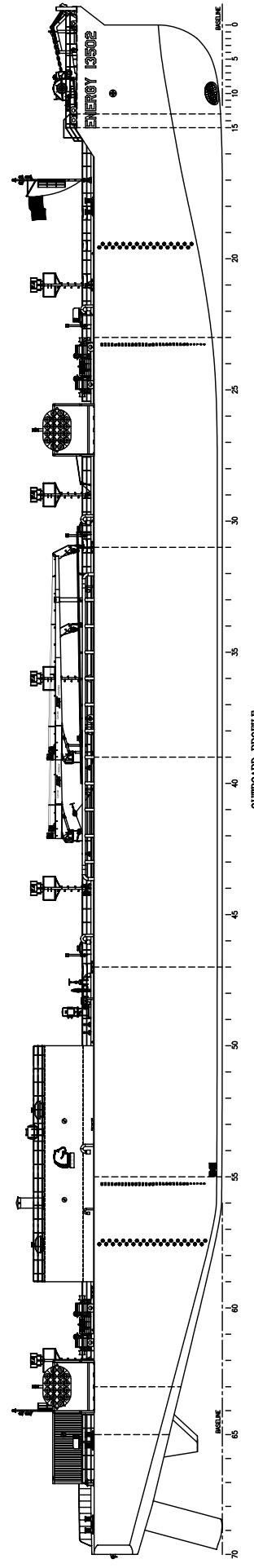




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<b>HORNBECK OFFSHORE TRANSPORTATION</b>			
DRAWN BY: JONATHAN LEJEUNE	<b>135K OIL BARGE ENERGY 13502</b>		
CH'KD. BY: ROBERT BICE	<b>TANK CAPACITY TABLES</b>		
APP'D. BY: MIKE JANNISE	SCALE: NONE	DATE: 10-15-2005	REV. 0
APP'D. BY:	DRAWING # 14.502	LVI HULL 339	



PREPARED FOR:  
Hornbeck Offshore Transportation, Inc.  
Mandeville, La.



PREPARED BY:  
Leevac Industries, LLC.  
Jennings, La.





**References**

- 1) Lines Plan, HORNBECK OFFSHORE TRANSPORTATION dwg. No. 1.002
- 2) Hold Arrangement and Tank Capacities, HORNBECK OFFSHORE TRANSPORTATION dwg. 1.003
- 3) Vents Fills & Sounds, HORNBECK OFFSHORE TRANSPORTATION dwg. 7.101

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**Table of Contents**

Assumptions	V
Tank Summary	VII
Tank Plan	VIII
TANKS AT ZERO TRIM – VOLUMES ONLY	Section 1
1. Sounding Table for Cargo Tank 1 Port	1
2. Sounding Table for Cargo Tank 1 Stbd	2
3. Sounding Table for Cargo Tank 2 Port	3
4. Sounding Table for Cargo Tank 2 Stbd	4
5. Sounding Table for Cargo Tank 3 Port	5
6. Sounding Table for Cargo Tank 3 Stbd	6
7. Sounding Table for Cargo Tank 4 Port	7
8. Sounding Table for Cargo Tank 4 Stbd	8
9. Sounding Table for Cargo Tank 5 Port	9
10. Sounding Table for Cargo Tank 5 Stbd	10
11. Sounding Table for Cargo Tank 6 Port	11
12. Sounding Table for Cargo Tank 6 Stbd	12
13. Sounding Table for Ballast Tank 1 Port	13
14. Sounding Table for Ballast Tank 1 Stbd	14
15. Sounding Table for Ballast Tank 2 Port	15
16. Sounding Table for Ballast Tank 2 Stbd	16
17. Sounding Table for Ballast Tank 3 Port	17
18. Sounding Table for Ballast Tank 3 Stbd	18
19. Sounding Table for Ballast Tank 4 Port	19
20. Sounding Table for Ballast Tank 4 Stbd	20
21. Sounding Table for Ballast Tank 5 Port	21
22. Sounding Table for Ballast Tank 5 Stbd	22
23. Sounding Table for Ballast Tank 6 Port	23
24. Sounding Table for Ballast Tank 6 Stbd	24
25. Sounding Table for Fuel Tank	25

**Table of Contents (continued)**

TANKS AT ZERO TRIM – MASS PROPERTIES

Section 2

26.	Sounding Table with Mass Properties for Cargo Tank 1 Port	26
27.	Sounding Table with Mass Properties for Cargo Tank 1 Stbd	38
28.	Sounding Table with Mass Properties for Cargo Tank 2 Port	50
29.	Sounding Table with Mass Properties for Cargo Tank 2 Stbd	62
30.	Sounding Table with Mass Properties for Cargo Tank 3 Port	74
31.	Sounding Table with Mass Properties for Cargo Tank 3 Stbd	86
32.	Sounding Table with Mass Properties for Cargo Tank 4 Port	98
33.	Sounding Table with Mass Properties for Cargo Tank 4 Stbd	110
34.	Sounding Table with Mass Properties for Cargo Tank 5 Port	122
35.	Sounding Table with Mass Properties for Cargo Tank 5 Stbd	134
36.	Sounding Table with Mass Properties for Cargo Tank 6 Port	146
37.	Sounding Table with Mass Properties for Cargo Tank 6 Stbd	158
38.	Sounding Table with Mass Properties for Ballast Tank 1 Port	170
39.	Sounding Table with Mass Properties for Ballast Tank 1 Stbd	184
40.	Sounding Table with Mass Properties for Ballast Tank 2 Port	198
41.	Sounding Table with Mass Properties for Ballast Tank 2 Stbd	212
42.	Sounding Table with Mass Properties for Ballast Tank 3 Port	226
43.	Sounding Table with Mass Properties for Ballast Tank 3 Stbd	240
44.	Sounding Table with Mass Properties for Ballast Tank 4 Port	254
45.	Sounding Table with Mass Properties for Ballast Tank 4 Stbd	268
46.	Sounding Table with Mass Properties for Ballast Tank 5 Port	282
47.	Sounding Table with Mass Properties for Ballast Tank 5 Stbd	296
48.	Sounding Table with Mass Properties for Ballast Tank 6 Port	310
49.	Sounding Table with Mass Properties for Ballast Tank 6 Stbd	324
50.	Sounding Table with Mass Properties for Fuel Tank	338

**Assumptions**

- Cargo tank volumes include a permeability listed bellow, based on a Saybolt inspection

Tank	Permeability
Oil #1 Port	.989
Oil #1 Stbd	.985
Oil #2 Port	.997
Oil #2 Stbd	.993
Oil #3 Port	.993
Oil #3 Stbd	.994
Oil #4 Port	.990
Oil #4 Stbd	.990
Oil #5 Port	.986
Oil #5 Stbd	.992
Oil #6 Port	.985
Oil #6 Stbd	.984

- Ballast tank volumes include a permeability of 98.5%
- Cargo tank capacities given on page VII for 1 foot ullage are measured from the mold line of the deck to the tank free surface at the sonar locations listed below

Tank	Long Location	Transverse Location
Oil #1 Port	23' 9" Fwd of Aft BHD	16' - 4" off CL
Oil #1 Stbd	26' 10" Fwd of Aft BHD	15' - 4" off CL
Oil #2 Port	23' -9" Fwd of Aft BHD	16' - 4" off CL
Oil #2 Stbd	24' 1" Fwd of Aft BHD	18' - 6" off CL
Oil #3 Port	28' 11" Fwd of Aft BHD	16' - 1" off CL
Oil #3 Stbd	29' 3" Fwd of Aft BHD	18' - 4" off CL
Oil #4 Port	28' 11" Fwd of Aft BHD	16' - 2" off CL
Oil #4 Stbd	29' 7" Fwd of Aft BHD	18' - 4"
Oil #5 Port	41' 2" Fwd of Aft BHD	16' - 4" off CL
Oil #5 Stbd	41' 5 1/8 " Fwd of Aft BHD	18' - 2" off CL
Oil #6 Port	4' 6" Aft of Fwd BHD	12' - 6" off CL
Oil #6 Stbd	4' 6" Aft of Fwd BHD	12' - 6" off CL

- Cargo tank sounding readings are measured from the manual sounding tube. All sounding tubes have a 3/8" striker plate.
- Ballast tank and fuel tank sounding are measured form the manual sounding tube. All sounding tubes have a 3/8" striker plate.
- Specific Gravities of Liquids (1.000 SG = 35.822 LT/cu.ft)

12 API OIL CARGO at 60F	.9861
12 API OIL CARGO at 160F	.9506
Fresh Water	1.000
Fuel Oil	0.876
Sea Water	1.025

**TANK SUMMARY**

**Cargo Tank Volumes (100%)**

Tanks		Volume (BBL)			CG @ 1' Ullage @ 160F		
		100%	1 foot Ullage*		Vert (ft ABL)	Long'l (ft aft Fr. 0)	Trans (ft off CL)
			@ 160F	@ 60F			
Cargo Tank 1	Port	9970.3	9,740.74	9390.07	21.42	61.98	14.70
	Stbd	9931.6	9,687.14	9338.40	21.43	61.98	14.70
Cargo Tank 2	Port	12007.2	11,710.06	11288.50	21.27	120.71	16.93
	Stbd	11948.4	11,656.74	11237.10	21.24	120.71	16.93
Cargo Tank 3	Port	11995.2	11,717.14	11295.32	21.27	181.98	16.97
	Stbd	11989.1	11,708.90	11287.38	21.24	181.98	16.97
Cargo Tank 4	Port	11948.4	11,651.85	11232.38	21.27	243.31	16.97
	Stbd	11937.0	11,643.07	11223.92	21.24	243.31	16.97
Cargo Tank 5	Port	11901.4	11,606.60	11188.76	21.27	304.64	16.97
	Stbd	11965.2	11,672.54	11252.33	21.24	304.64	16.97
Cargo Tank 6	Port	10061.8	9,844.42	9490.02	23.83	363.94	16.81
	Stbd	10049.4	9,832.45	9478.48	23.83	363.94	16.81
<b>TOTAL</b>		<b>135705</b>	<b>132472</b>	<b>127703</b>			

\* Based On Saybolt Tables

**Ballast Tank Volumes (100%)**

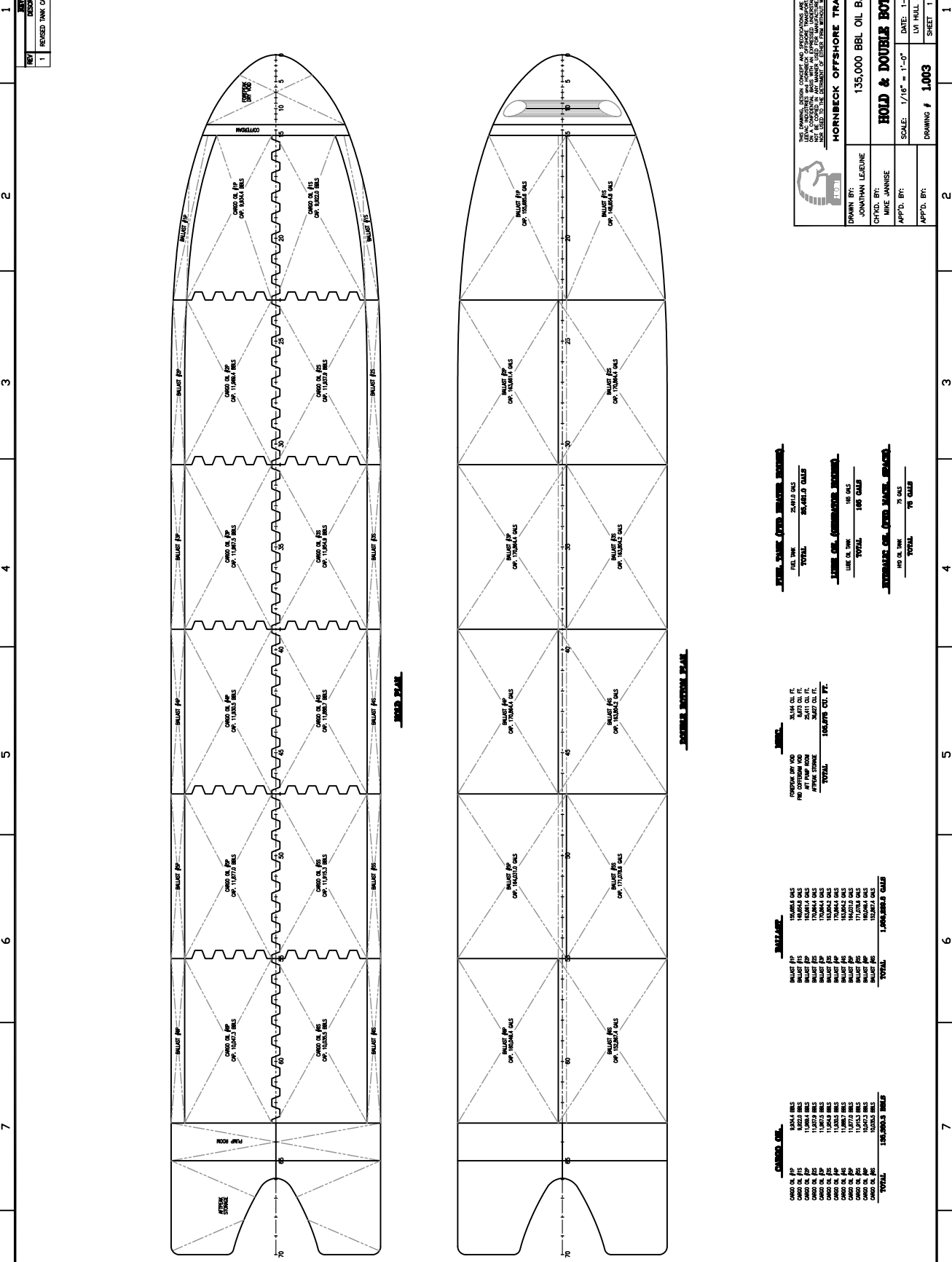
Tanks		Volume (BBL)	Weight (LT)	Center of Gravity		
				Vert (ft ABL)	Long'l (ft aft Fr. 0)	Trans (ft off CL)
Ballast Tank 1	Port	3706.8	594.6	11.66	61.68	11.66
	Stbd	3539.4	567.8	12.08	61.73	12.08
Ballast Tank 2	Port	3896.7	625.1	11.05	122.03	11.05
	Stbd	4064.2	652.0	10.70	122.03	10.70
Ballast Tank 3	Port	4068.2	652.6	10.69	183.33	10.69
	Stbd	3900.1	625.6	11.03	183.33	11.03
Ballast Tank 4	Port	4068.2	652.6	10.69	244.67	10.69
	Stbd	3900.1	625.6	11.03	244.67	11.03
Ballast Tank 5	Port	3905.5	626.5	11.03	306.03	11.03
	Stbd	4073.3	653.4	10.68	306.04	10.68
Ballast Tank 6	Port	3810.7	611.3	14.24	365.96	14.24
	Stbd	3639.7	583.9	14.53	365.91	14.53
<b>TOTAL</b>			<b>7470.9</b>			

**Fuel Tank (100%)**

Tanks		Volume (Gallons)	Weight (LT)	Center of Gravity		
				Vert (ft ABL)	Long'l (ft aft Fr. 0)	Trans (ft off CL)
Fuel Tank	Port	25491.0	82.6	46.53	306.00	24.07
	Stbd					
<b>TOTAL</b>			<b>82.6</b>			



REV	DESCRIPTION	DATE
1	REVISED TANK CAPACITY	3-18-05




INTERNAL VOLUME (GROSS INTERNAL VOLUME)	
NET TANK	28,000.0 GALLONS
TOTAL	28,000.0 GALLONS
INTERNAL VOLUME (NET INTERNAL VOLUME)	
NET TANK	158,000.0 GALLONS
TOTAL	158,000.0 GALLONS

INTERNAL VOLUME (NET INTERNAL VOLUME)	
NET TANK	158,000.0 GALLONS
TOTAL	158,000.0 GALLONS

INTERNAL VOLUME (NET INTERNAL VOLUME)	
NET TANK	158,000.0 GALLONS
TOTAL	158,000.0 GALLONS

INTERNAL VOLUME (NET INTERNAL VOLUME)	
NET TANK	158,000.0 GALLONS
TOTAL	158,000.0 GALLONS



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**HORNBECK OFFSHORE TRANSPORTATION**

DRAWN BY:	JONATHAN LEIDNE	135,000 BBL OIL BARGE
CHECKED BY:	MICHAEL JARVIS	<b>HOLD &amp; DOUBLE BOTTOM PLAN</b>
APP'D BY:	LW PULL 339	SCALE: 1/8" = 1'-0"
DATE:	1-29-2005	DATE: 1-29-2005
DRAWING #	<b>1003</b>	REV.:
SHEET	1 OF 1	SHEET

**SOUNDING TABLE for  
Cargo Tank #1 Port**  
Volume in Barrels

		Inches											
		0	1	2	3	4	5	6	7	8	9	10	11
Feet	0	0	33	51	69	88	108	129	149	170	192	214	236
	1	258	281	303	326	350	373	396	420	444	468	492	516
	2	540	565	589	614	638	663	688	712	737	762	787	812
	3	837	862	888	913	938	963	988	1013	1038	1064	1089	1114
	4	1139	1165	1190	1215	1240	1266	1291	1316	1342	1367	1393	1418
	5	1443	1469	1494	1520	1545	1570	1596	1621	1647	1672	1698	1723
	6	1749	1774	1800	1825	1851	1876	1902	1927	1953	1979	2004	2030
	7	2055	2081	2107	2132	2158	2183	2209	2235	2260	2286	2312	2337
	8	2363	2389	2414	2440	2466	2491	2517	2543	2568	2594	2620	2645
	9	2671	2697	2722	2748	2774	2799	2825	2851	2877	2902	2928	2954
	10	2979	3005	3031	3056	3082	3108	3134	3159	3185	3211	3236	3262
	11	3288	3314	3339	3365	3391	3416	3442	3468	3494	3519	3545	3571
	12	3596	3622	3648	3673	3699	3725	3751	3776	3802	3828	3853	3879
	13	3905	3931	3956	3982	4008	4033	4059	4085	4111	4136	4162	4188
	14	4213	4239	4265	4290	4316	4342	4368	4393	4419	4445	4470	4496
	15	4522	4548	4573	4599	4625	4650	4676	4702	4728	4753	4779	4805
	16	4830	4856	4882	4907	4933	4959	4985	5010	5036	5062	5087	5113
	17	5139	5165	5190	5216	5242	5267	5293	5319	5345	5370	5396	5422
	18	5447	5473	5499	5524	5550	5576	5602	5627	5653	5679	5704	5730
	19	5756	5782	5807	5833	5859	5884	5910	5936	5962	5987	6013	6039
	20	6064	6090	6116	6141	6167	6193	6219	6244	6270	6296	6321	6347
	21	6373	6399	6424	6450	6476	6501	6527	6553	6579	6604	6630	6656
	22	6681	6707	6733	6758	6784	6810	6836	6861	6887	6913	6938	6964
	23	6990	7016	7041	7067	7093	7118	7144	7170	7196	7221	7247	7273
	24	7298	7324	7350	7375	7401	7427	7453	7478	7504	7530	7555	7581
	25	7607	7633	7658	7684	7710	7735	7761	7787	7813	7838	7864	7890
	26	7915	7941	7967	7993	8018	8044	8070	8095	8121	8147	8172	8198
	27	8224	8250	8275	8301	8327	8352	8378	8404	8430	8455	8481	8507
	28	8532	8558	8584	8610	8635	8661	8687	8712	8738	8764	8789	8815
	29	8841	8867	8892	8918	8944	8969	8995	9021	9047	9072	9098	9124
	30	9149	9175	9201	9227	9252	9278	9304	9329	9355	9381	9407	9432
	31	9458	9484	9509	9535	9561	9586	9612	9638	9664	9689	9715	9741
	32	9766	9792	9818	9843	9866	9888	9907	9924	9938	9950	9959	9966
	33												
	34												
	35												
	36												
37													

**SOUNDING TABLE for  
Cargo Tank #1 Stbd**  
Volume in Barrels

		Inches											
		0	1	2	3	4	5	6	7	8	9	10	11
Feet	0	0	40	58	77	96	116	137	158	179	201	222	245
	1	267	290	313	336	359	382	406	430	453	477	501	526
	2	550	574	599	624	648	673	698	723	748	773	798	823
	3	848	873	898	923	948	974	999	1024	1049	1074	1100	1125
	4	1150	1176	1201	1226	1251	1277	1302	1328	1353	1378	1404	1429
	5	1455	1480	1505	1531	1556	1582	1607	1633	1658	1684	1709	1735
	6	1760	1786	1811	1837	1863	1888	1914	1939	1965	1990	2016	2042
	7	2067	2093	2119	2144	2170	2195	2221	2247	2272	2298	2324	2349
	8	2375	2401	2427	2452	2478	2504	2529	2555	2581	2606	2632	2658
	9	2684	2709	2735	2761	2786	2812	2838	2864	2889	2915	2941	2967
	10	2992	3018	3044	3069	3095	3121	3147	3172	3198	3224	3250	3275
	11	3301	3327	3353	3378	3404	3430	3455	3481	3507	3533	3558	3584
	12	3610	3636	3661	3687	3713	3739	3764	3790	3816	3842	3867	3893
	13	3919	3944	3970	3996	4022	4047	4073	4099	4125	4150	4176	4202
	14	4228	4253	4279	4305	4330	4356	4382	4408	4433	4459	4485	4511
	15	4536	4562	4588	4614	4639	4665	4691	4716	4742	4768	4794	4819
	16	4845	4871	4897	4922	4948	4974	5000	5025	5051	5077	5102	5128
	17	5154	5180	5205	5231	5257	5283	5308	5334	5360	5386	5411	5437
	18	5463	5488	5514	5540	5566	5591	5617	5643	5669	5694	5720	5746
	19	5772	5797	5823	5849	5875	5900	5926	5952	5977	6003	6029	6055
	20	6080	6106	6132	6158	6183	6209	6235	6261	6286	6312	6338	6363
	21	6389	6415	6441	6466	6492	6518	6544	6569	6595	6621	6647	6672
	22	6698	6724	6750	6775	6801	6827	6852	6878	6904	6930	6955	6981
	23	7007	7033	7058	7084	7110	7136	7161	7187	7213	7238	7264	7290
	24	7316	7341	7367	7393	7419	7444	7470	7496	7522	7547	7573	7599
	25	7624	7650	7676	7702	7727	7753	7779	7805	7830	7856	7882	7908
	26	7933	7959	7985	8011	8036	8062	8088	8113	8139	8165	8191	8216
	27	8242	8268	8294	8319	8345	8371	8397	8422	8448	8474	8499	8525
	28	8551	8577	8602	8628	8654	8680	8705	8731	8757	8783	8808	8834
	29	8860	8886	8911	8937	8963	8988	9014	9040	9066	9091	9117	9143
	30	9169	9194	9220	9246	9272	9297	9323	9349	9374	9400	9426	9452
	31	9477	9503	9529	9555	9580	9606	9632	9658	9683	9709	9735	9761
	32	9786	9812	9838	9862	9885	9906	9924	9940	9953	9964	9972	9978
	33												
	34												
	35												
	36												
37													

**SOUNDING TABLE for  
Cargo Tank #2 Port**  
Volume in Barrels

		Inches											
		0	1	2	3	4	5	6	7	8	9	10	11
Feet	0	0	40	62	88	118	149	180	211	241	272	303	333
	1	364	395	426	456	487	518	549	579	610	641	671	702
	2	733	764	794	825	856	887	917	948	979	1009	1040	1071
	3	1102	1132	1163	1194	1225	1255	1286	1317	1348	1378	1409	1440
	4	1471	1501	1532	1563	1593	1624	1655	1686	1716	1747	1778	1809
	5	1839	1870	1901	1932	1962	1993	2024	2054	2085	2116	2147	2177
	6	2208	2239	2270	2300	2331	2362	2393	2423	2454	2485	2516	2546
	7	2577	2608	2638	2669	2700	2731	2761	2792	2823	2854	2884	2915
	8	2946	2977	3007	3038	3069	3099	3130	3161	3192	3222	3253	3284
	9	3315	3345	3376	3407	3438	3468	3499	3530	3560	3591	3622	3653
	10	3683	3714	3745	3776	3806	3837	3868	3899	3929	3960	3991	4022
	11	4052	4083	4114	4144	4175	4206	4237	4267	4298	4329	4360	4390
	12	4421	4452	4483	4513	4544	4575	4605	4636	4667	4698	4728	4759
	13	4790	4821	4851	4882	4913	4944	4974	5005	5036	5066	5097	5128
	14	5159	5189	5220	5251	5282	5312	5343	5374	5405	5435	5466	5497
	15	5528	5558	5589	5620	5650	5681	5712	5743	5773	5804	5835	5866
	16	5896	5927	5958	5989	6019	6050	6081	6111	6142	6173	6204	6234
	17	6265	6296	6327	6357	6388	6419	6450	6480	6511	6542	6572	6603
	18	6634	6665	6695	6726	6757	6788	6818	6849	6880	6911	6941	6972
	19	7003	7034	7064	7095	7126	7156	7187	7218	7249	7279	7310	7341
	20	7372	7402	7433	7464	7495	7525	7556	7587	7617	7648	7679	7710
	21	7740	7771	7802	7833	7863	7894	7925	7956	7986	8017	8048	8078
	22	8109	8140	8171	8201	8232	8263	8294	8324	8355	8386	8417	8447
	23	8478	8509	8540	8570	8601	8632	8662	8693	8724	8755	8785	8816
	24	8847	8878	8908	8939	8970	9001	9031	9062	9093	9123	9154	9185
	25	9216	9246	9277	9308	9339	9369	9400	9431	9462	9492	9523	9554
	26	9585	9615	9646	9677	9707	9738	9769	9800	9830	9861	9892	9923
	27	9953	9984	10015	10046	10076	10107	10138	10168	10199	10230	10261	10291
	28	10322	10353	10384	10414	10445	10476	10507	10537	10568	10599	10629	10660
	29	10691	10722	10752	10783	10814	10845	10875	10906	10937	10968	10998	11029
	30	11060	11091	11121	11152	11183	11213	11244	11275	11306	11336	11367	11398
	31	11429	11459	11490	11521	11552	11582	11613	11644	11674	11705	11736	11767
	32	11797	11828	11859	11887	11912	11935	11955	11973	11988	12000	12010	12017
	33												
	34												
	35												
	36												
37													

**SOUNDING TABLE for  
Cargo Tank #2 Stbd**  
Volume in Barrels

		Inches											
		0	1	2	3	4	5	6	7	8	9	10	11
Feet	0	0	48	71	99	130	161	191	222	253	283	314	345
	1	375	406	437	467	498	529	559	590	621	651	682	713
	2	743	774	805	835	866	897	927	958	989	1019	1050	1081
	3	1111	1142	1173	1203	1234	1265	1295	1326	1357	1387	1418	1449
	4	1479	1510	1541	1571	1602	1633	1663	1694	1725	1755	1786	1817
	5	1847	1878	1909	1939	1970	2001	2031	2062	2093	2123	2154	2185
	6	2215	2246	2277	2308	2338	2369	2400	2430	2461	2492	2522	2553
	7	2584	2614	2645	2676	2706	2737	2768	2798	2829	2860	2890	2921
	8	2952	2982	3013	3044	3074	3105	3136	3166	3197	3228	3258	3289
	9	3320	3350	3381	3412	3442	3473	3504	3534	3565	3596	3626	3657
	10	3688	3718	3749	3780	3810	3841	3872	3903	3933	3964	3995	4025
	11	4056	4087	4117	4148	4179	4209	4240	4271	4301	4332	4363	4393
	12	4424	4455	4485	4516	4547	4577	4608	4639	4669	4700	4731	4761
	13	4792	4823	4853	4884	4915	4945	4976	5007	5037	5068	5099	5129
	14	5160	5191	5221	5252	5283	5313	5344	5375	5405	5436	5467	5497
	15	5528	5559	5590	5620	5651	5682	5712	5743	5774	5804	5835	5866
	16	5896	5927	5958	5988	6019	6050	6080	6111	6142	6172	6203	6234
	17	6264	6295	6326	6356	6387	6418	6448	6479	6510	6540	6571	6602
	18	6632	6663	6694	6724	6755	6786	6816	6847	6878	6908	6939	6970
	19	7000	7031	7062	7092	7123	7154	7185	7215	7246	7277	7307	7338
	20	7369	7399	7430	7461	7491	7522	7553	7583	7614	7645	7675	7706
	21	7737	7767	7798	7829	7859	7890	7921	7951	7982	8013	8043	8074
	22	8105	8135	8166	8197	8227	8258	8289	8319	8350	8381	8411	8442
	23	8473	8503	8534	8565	8595	8626	8657	8687	8718	8749	8780	8810
	24	8841	8872	8902	8933	8964	8994	9025	9056	9086	9117	9148	9178
	25	9209	9240	9270	9301	9332	9362	9393	9424	9454	9485	9516	9546
	26	9577	9608	9638	9669	9700	9730	9761	9792	9822	9853	9884	9914
	27	9945	9976	10006	10037	10068	10098	10129	10160	10190	10221	10252	10282
	28	10313	10344	10375	10405	10436	10467	10497	10528	10559	10589	10620	10651
	29	10681	10712	10743	10773	10804	10835	10865	10896	10927	10957	10988	11019
	30	11049	11080	11111	11141	11172	11203	11233	11264	11295	11325	11356	11387
	31	11417	11448	11479	11509	11540	11571	11601	11632	11663	11693	11724	11755
	32	11785	11816	11846	11873	11897	11919	11938	11955	11969	11980	11989	11994
	33												
	34												
	35												
	36												
37													

**SOUNDING TABLE for  
Cargo Tank #3 Port**  
Volume in Barrels

		Inches											
		0	1	2	3	4	5	6	7	8	9	10	11
Feet	0	0	41	63	90	120	151	182	212	243	274	305	335
	1	366	397	427	458	489	520	550	581	612	642	673	704
	2	735	765	796	827	857	888	919	950	980	1011	1042	1072
	3	1103	1134	1164	1195	1226	1257	1287	1318	1349	1379	1410	1441
	4	1472	1502	1533	1564	1594	1625	1656	1687	1717	1748	1779	1809
	5	1840	1871	1902	1932	1963	1994	2024	2055	2086	2117	2147	2178
	6	2209	2239	2270	2301	2332	2362	2393	2424	2454	2485	2516	2547
	7	2577	2608	2639	2669	2700	2731	2762	2792	2823	2854	2884	2915
	8	2946	2977	3007	3038	3069	3099	3130	3161	3192	3222	3253	3284
	9	3314	3345	3376	3407	3437	3468	3499	3529	3560	3591	3622	3652
	10	3683	3714	3744	3775	3806	3837	3867	3898	3929	3959	3990	4021
	11	4052	4082	4113	4144	4174	4205	4236	4267	4297	4328	4359	4389
	12	4420	4451	4482	4512	4543	4574	4604	4635	4666	4696	4727	4758
	13	4789	4819	4850	4881	4911	4942	4973	5004	5034	5065	5096	5126
	14	5157	5188	5219	5249	5280	5311	5341	5372	5403	5434	5464	5495
	15	5526	5556	5587	5618	5649	5679	5710	5741	5771	5802	5833	5864
	16	5894	5925	5956	5986	6017	6048	6079	6109	6140	6171	6201	6232
	17	6263	6294	6324	6355	6386	6416	6447	6478	6509	6539	6570	6601
	18	6631	6662	6693	6724	6754	6785	6816	6846	6877	6908	6939	6969
	19	7000	7031	7061	7092	7123	7154	7184	7215	7246	7276	7307	7338
	20	7369	7399	7430	7461	7491	7522	7553	7584	7614	7645	7676	7706
	21	7737	7768	7799	7829	7860	7891	7921	7952	7983	8014	8044	8075
	22	8106	8136	8167	8198	8229	8259	8290	8321	8351	8382	8413	8444
	23	8474	8505	8536	8566	8597	8628	8658	8689	8720	8751	8781	8812
	24	8843	8873	8904	8935	8966	8996	9027	9058	9088	9119	9150	9181
	25	9211	9242	9273	9303	9334	9365	9396	9426	9457	9488	9518	9549
	26	9580	9611	9641	9672	9703	9733	9764	9795	9826	9856	9887	9918
	27	9948	9979	10010	10041	10071	10102	10133	10163	10194	10225	10256	10286
	28	10317	10348	10378	10409	10440	10471	10501	10532	10563	10593	10624	10655
	29	10686	10716	10747	10778	10808	10839	10870	10901	10931	10962	10993	11023
	30	11054	11085	11116	11146	11177	11208	11238	11269	11300	11331	11361	11392
	31	11423	11453	11484	11515	11546	11576	11607	11638	11668	11699	11730	11761
	32	11791	11822	11852	11880	11906	11929	11949	11966	11981	11993	12003	12010
	33												
	34												
	35												
	36												
37													

**SOUNDING TABLE for  
Cargo Tank #3 Stbd**  
Volume in Barrels

		Inches											
		0	1	2	3	4	5	6	7	8	9	10	11
Feet	0	0	49	73	101	132	163	193	224	255	286	316	347
	1	378	408	439	470	501	531	562	593	623	654	685	716
	2	746	777	808	838	869	900	931	961	992	1023	1053	1084
	3	1115	1146	1176	1207	1238	1268	1299	1330	1361	1391	1422	1453
	4	1483	1514	1545	1576	1606	1637	1668	1698	1729	1760	1791	1821
	5	1852	1883	1913	1944	1975	2006	2036	2067	2098	2128	2159	2190
	6	2221	2251	2282	2313	2343	2374	2405	2436	2466	2497	2528	2558
	7	2589	2620	2651	2681	2712	2743	2773	2804	2835	2866	2896	2927
	8	2958	2988	3019	3050	3081	3111	3142	3173	3203	3234	3265	3295
	9	3326	3357	3388	3418	3449	3480	3510	3541	3572	3603	3633	3664
	10	3695	3725	3756	3787	3818	3848	3879	3910	3940	3971	4002	4033
	11	4063	4094	4125	4155	4186	4217	4248	4278	4309	4340	4370	4401
	12	4432	4463	4493	4524	4555	4585	4616	4647	4678	4708	4739	4770
	13	4800	4831	4862	4893	4923	4954	4985	5015	5046	5077	5108	5138
	14	5169	5200	5230	5261	5292	5323	5353	5384	5415	5445	5476	5507
	15	5538	5568	5599	5630	5660	5691	5722	5753	5783	5814	5845	5875
	16	5906	5937	5968	5998	6029	6060	6090	6121	6152	6183	6213	6244
	17	6275	6305	6336	6367	6398	6428	6459	6490	6520	6551	6582	6612
	18	6643	6674	6705	6735	6766	6797	6827	6858	6889	6920	6950	6981
	19	7012	7042	7073	7104	7135	7165	7196	7227	7257	7288	7319	7350
	20	7380	7411	7442	7472	7503	7534	7565	7595	7626	7657	7687	7718
	21	7749	7780	7810	7841	7872	7902	7933	7964	7995	8025	8056	8087
	22	8117	8148	8179	8210	8240	8271	8302	8332	8363	8394	8425	8455
	23	8486	8517	8547	8578	8609	8640	8670	8701	8732	8762	8793	8824
	24	8855	8885	8916	8947	8977	9008	9039	9070	9100	9131	9162	9192
	25	9223	9254	9285	9315	9346	9377	9407	9438	9469	9500	9530	9561
	26	9592	9622	9653	9684	9715	9745	9776	9807	9837	9868	9899	9930
	27	9960	9991	10022	10052	10083	10114	10145	10175	10206	10237	10267	10298
	28	10329	10360	10390	10421	10452	10482	10513	10544	10575	10605	10636	10667
	29	10697	10728	10759	10790	10820	10851	10882	10912	10943	10974	11005	11035
	30	11066	11097	11127	11158	11189	11219	11250	11281	11312	11342	11373	11404
	31	11434	11465	11496	11527	11557	11588	11619	11649	11680	11711	11742	11772
	32	11803	11834	11863	11890	11915	11937	11956	11972	11986	11997	12006	12012
	33												
	34												
	35												
	36												
37													

**SOUNDING TABLE for**  
**Cargo Tank #4 Port**  
Volume in Barrels

		Inches											
		0	1	2	3	4	5	6	7	8	9	10	11
Feet	0	0	41	63	89	120	151	181	212	242	273	304	334
	1	365	395	426	457	487	518	549	579	610	640	671	702
	2	732	763	794	824	855	885	916	947	977	1008	1038	1069
	3	1100	1130	1161	1192	1222	1253	1283	1314	1345	1375	1406	1437
	4	1467	1498	1528	1559	1590	1620	1651	1682	1712	1743	1773	1804
	5	1835	1865	1896	1926	1957	1988	2018	2049	2080	2110	2141	2171
	6	2202	2233	2263	2294	2325	2355	2386	2416	2447	2478	2508	2539
	7	2569	2600	2631	2661	2692	2723	2753	2784	2814	2845	2876	2906
	8	2937	2968	2998	3029	3059	3090	3121	3151	3182	3213	3243	3274
	9	3304	3335	3366	3396	3427	3457	3488	3519	3549	3580	3611	3641
	10	3672	3702	3733	3764	3794	3825	3856	3886	3917	3947	3978	4009
	11	4039	4070	4100	4131	4162	4192	4223	4254	4284	4315	4345	4376
	12	4407	4437	4468	4499	4529	4560	4590	4621	4652	4682	4713	4744
	13	4774	4805	4835	4866	4897	4927	4958	4988	5019	5050	5080	5111
	14	5142	5172	5203	5233	5264	5295	5325	5356	5387	5417	5448	5478
	15	5509	5540	5570	5601	5631	5662	5693	5723	5754	5785	5815	5846
	16	5876	5907	5938	5968	5999	6030	6060	6091	6121	6152	6183	6213
	17	6244	6275	6305	6336	6366	6397	6428	6458	6489	6519	6550	6581
	18	6611	6642	6673	6703	6734	6764	6795	6826	6856	6887	6918	6948
	19	6979	7009	7040	7071	7101	7132	7163	7193	7224	7254	7285	7316
	20	7346	7377	7407	7438	7469	7499	7530	7561	7591	7622	7652	7683
	21	7714	7744	7775	7806	7836	7867	7897	7928	7959	7989	8020	8050
	22	8081	8112	8142	8173	8204	8234	8265	8295	8326	8357	8387	8418
	23	8449	8479	8510	8540	8571	8602	8632	8663	8694	8724	8755	8785
	24	8816	8847	8877	8908	8938	8969	9000	9030	9061	9092	9122	9153
	25	9183	9214	9245	9275	9306	9337	9367	9398	9428	9459	9490	9520
	26	9551	9582	9612	9643	9673	9704	9735	9765	9796	9826	9857	9888
	27	9918	9949	9980	10010	10041	10071	10102	10133	10163	10194	10225	10255
	28	10286	10316	10347	10378	10408	10439	10469	10500	10531	10561	10592	10623
	29	10653	10684	10714	10745	10776	10806	10837	10868	10898	10929	10959	10990
	30	11021	11051	11082	11113	11143	11174	11204	11235	11266	11296	11327	11357
	31	11388	11419	11449	11480	11511	11541	11572	11602	11633	11664	11694	11725
	32	11756	11786	11816	11844	11870	11892	11913	11930	11945	11957	11967	11974
	33												
	34												
	35												
	36												
37													



**SOUNDING TABLE for  
Cargo Tank #4 Stbd**  
Volume in Barrels

		Inches											
		0	1	2	3	4	5	6	7	8	9	10	11
Feet	0	0	48	72	101	131	162	192	223	254	284	315	345
	1	376	406	437	468	498	529	559	590	620	651	681	712
	2	743	773	804	834	865	895	926	956	987	1018	1048	1079
	3	1109	1140	1170	1201	1231	1262	1293	1323	1354	1384	1415	1445
	4	1476	1506	1537	1568	1598	1629	1659	1690	1720	1751	1782	1812
	5	1843	1873	1904	1934	1965	1995	2026	2057	2087	2118	2148	2179
	6	2209	2240	2270	2301	2332	2362	2393	2423	2454	2484	2515	2545
	7	2576	2607	2637	2668	2698	2729	2759	2790	2820	2851	2882	2912
	8	2943	2973	3004	3034	3065	3096	3126	3157	3187	3218	3248	3279
	9	3309	3340	3371	3401	3432	3462	3493	3523	3554	3584	3615	3646
	10	3676	3707	3737	3768	3798	3829	3859	3890	3921	3951	3982	4012
	11	4043	4073	4104	4134	4165	4196	4226	4257	4287	4318	4348	4379
	12	4410	4440	4471	4501	4532	4562	4593	4623	4654	4685	4715	4746
	13	4776	4807	4837	4868	4898	4929	4960	4990	5021	5051	5082	5112
	14	5143	5173	5204	5235	5265	5296	5326	5357	5387	5418	5448	5479
	15	5510	5540	5571	5601	5632	5662	5693	5724	5754	5785	5815	5846
	16	5876	5907	5937	5968	5999	6029	6060	6090	6121	6151	6182	6212
	17	6243	6274	6304	6335	6365	6396	6426	6457	6487	6518	6549	6579
	18	6610	6640	6671	6701	6732	6762	6793	6824	6854	6885	6915	6946
	19	6976	7007	7038	7068	7099	7129	7160	7190	7221	7251	7282	7313
	20	7343	7374	7404	7435	7465	7496	7526	7557	7588	7618	7649	7679
	21	7710	7740	7771	7801	7832	7863	7893	7924	7954	7985	8015	8046
	22	8076	8107	8138	8168	8199	8229	8260	8290	8321	8352	8382	8413
	23	8443	8474	8504	8535	8565	8596	8627	8657	8688	8718	8749	8779
	24	8810	8840	8871	8902	8932	8963	8993	9024	9054	9085	9115	9146
	25	9177	9207	9238	9268	9299	9329	9360	9391	9421	9452	9482	9513
	26	9543	9574	9604	9635	9666	9696	9727	9757	9788	9818	9849	9879
	27	9910	9941	9971	10002	10032	10063	10093	10124	10154	10185	10216	10246
	28	10277	10307	10338	10368	10399	10429	10460	10491	10521	10552	10582	10613
	29	10643	10674	10705	10735	10766	10796	10827	10857	10888	10918	10949	10980
	30	11010	11041	11071	11102	11132	11163	11193	11224	11255	11285	11316	11346
	31	11377	11407	11438	11468	11499	11530	11560	11591	11621	11652	11682	11713
	32	11743	11774	11804	11830	11855	11876	11895	11912	11926	11937	11945	11951
	33												
	34												
	35												
	36												
37													

**SOUNDING TABLE for  
Cargo Tank #5 Port**  
Volume in Barrels

		Inches											
		0	1	2	3	4	5	6	7	8	9	10	11
Feet	0	0	39	61	87	117	147	177	208	238	268	299	329
	1	360	390	421	451	482	512	543	573	604	634	665	695
	2	726	756	787	817	848	878	909	939	970	1000	1031	1061
	3	1092	1122	1153	1183	1214	1244	1275	1305	1336	1366	1397	1427
	4	1458	1488	1519	1549	1580	1610	1641	1671	1702	1732	1763	1793
	5	1824	1854	1885	1915	1946	1976	2007	2037	2068	2098	2129	2159
	6	2190	2220	2251	2281	2312	2342	2373	2403	2434	2464	2495	2525
	7	2556	2586	2617	2647	2678	2708	2739	2769	2799	2830	2860	2891
	8	2921	2952	2982	3013	3043	3074	3104	3135	3165	3196	3226	3257
	9	3287	3318	3348	3379	3409	3440	3470	3501	3531	3562	3592	3623
	10	3653	3684	3714	3745	3775	3806	3836	3867	3897	3928	3958	3989
	11	4019	4050	4080	4111	4141	4172	4202	4233	4263	4294	4324	4355
	12	4385	4416	4446	4477	4507	4538	4568	4599	4629	4660	4690	4721
	13	4751	4782	4812	4843	4873	4904	4934	4965	4995	5026	5056	5087
	14	5117	5148	5178	5209	5239	5270	5300	5331	5361	5391	5422	5452
	15	5483	5513	5544	5574	5605	5635	5666	5696	5727	5757	5788	5818
	16	5849	5879	5910	5940	5971	6001	6032	6062	6093	6123	6154	6184
	17	6215	6245	6276	6306	6337	6367	6398	6428	6459	6489	6520	6550
	18	6581	6611	6642	6672	6703	6733	6764	6794	6825	6855	6886	6916
	19	6947	6977	7008	7038	7069	7099	7130	7160	7191	7221	7252	7282
	20	7313	7343	7374	7404	7435	7465	7496	7526	7557	7587	7618	7648
	21	7679	7709	7740	7770	7801	7831	7862	7892	7923	7953	7984	8014
	22	8045	8075	8106	8136	8166	8197	8227	8258	8288	8319	8349	8380
	23	8410	8441	8471	8502	8532	8563	8593	8624	8654	8685	8715	8746
	24	8776	8807	8837	8868	8898	8929	8959	8990	9020	9051	9081	9112
	25	9142	9173	9203	9234	9264	9295	9325	9356	9386	9417	9447	9478
	26	9508	9539	9569	9600	9630	9661	9691	9722	9752	9783	9813	9844
	27	9874	9905	9935	9966	9996	10027	10057	10088	10118	10149	10179	10210
	28	10240	10271	10301	10332	10362	10393	10423	10454	10484	10515	10545	10576
	29	10606	10637	10667	10698	10728	10759	10789	10820	10850	10881	10911	10942
	30	10972	11002	11033	11063	11094	11124	11155	11185	11216	11246	11277	11307
	31	11338	11368	11399	11429	11460	11490	11521	11551	11582	11612	11643	11673
	32	11704	11734	11765	11792	11818	11840	11860	11878	11892	11904	11914	11921
	33												
	34												
	35												
	36												
37													

**SOUNDING TABLE for  
Cargo Tank #5 Stbd**  
Volume in Barrels

		Inches											
		0	1	2	3	4	5	6	7	8	9	10	11
Feet	0	0	47	70	99	129	159	190	220	251	281	312	343
	1	373	404	434	465	496	526	557	587	618	649	679	710
	2	741	771	802	832	863	894	924	955	986	1016	1047	1077
	3	1108	1139	1169	1200	1230	1261	1292	1322	1353	1384	1414	1445
	4	1475	1506	1537	1567	1598	1629	1659	1690	1720	1751	1782	1812
	5	1843	1873	1904	1935	1965	1996	2027	2057	2088	2118	2149	2180
	6	2210	2241	2271	2302	2333	2363	2394	2425	2455	2486	2516	2547
	7	2578	2608	2639	2670	2700	2731	2761	2792	2823	2853	2884	2914
	8	2945	2976	3006	3037	3068	3098	3129	3159	3190	3221	3251	3282
	9	3313	3343	3374	3404	3435	3466	3496	3527	3557	3588	3619	3649
	10	3680	3711	3741	3772	3802	3833	3864	3894	3925	3956	3986	4017
	11	4047	4078	4109	4139	4170	4200	4231	4262	4292	4323	4354	4384
	12	4415	4445	4476	4507	4537	4568	4598	4629	4660	4690	4721	4752
	13	4782	4813	4843	4874	4905	4935	4966	4997	5027	5058	5088	5119
	14	5150	5180	5211	5241	5272	5303	5333	5364	5395	5425	5456	5486
	15	5517	5548	5578	5609	5640	5670	5701	5731	5762	5793	5823	5854
	16	5884	5915	5946	5976	6007	6038	6068	6099	6129	6160	6191	6221
	17	6252	6282	6313	6344	6374	6405	6436	6466	6497	6527	6558	6589
	18	6619	6650	6681	6711	6742	6772	6803	6834	6864	6895	6925	6956
	19	6987	7017	7048	7079	7109	7140	7170	7201	7232	7262	7293	7324
	20	7354	7385	7415	7446	7477	7507	7538	7568	7599	7630	7660	7691
	21	7722	7752	7783	7813	7844	7875	7905	7936	7967	7997	8028	8058
	22	8089	8120	8150	8181	8211	8242	8273	8303	8334	8365	8395	8426
	23	8456	8487	8518	8548	8579	8609	8640	8671	8701	8732	8763	8793
	24	8824	8854	8885	8916	8946	8977	9008	9038	9069	9099	9130	9161
	25	9191	9222	9252	9283	9314	9344	9375	9406	9436	9467	9497	9528
	26	9559	9589	9620	9651	9681	9712	9742	9773	9804	9834	9865	9895
	27	9926	9957	9987	10018	10049	10079	10110	10140	10171	10202	10232	10263
	28	10294	10324	10355	10385	10416	10447	10477	10508	10538	10569	10600	10630
	29	10661	10692	10722	10753	10783	10814	10845	10875	10906	10936	10967	10998
	30	11028	11059	11090	11120	11151	11181	11212	11243	11273	11304	11335	11365
	31	11396	11426	11457	11488	11518	11549	11579	11610	11641	11671	11702	11733
	32	11763	11794	11823	11850	11875	11896	11915	11932	11946	11957	11965	11971
	33												
	34												
	35												
	36												
37													

**SOUNDING TABLE for  
Cargo Tank #6 Port**  
Volume in Barrels

		Inches											
		0	1	2	3	4	5	6	7	8	9	10	11
Feet	0	0	4	6	8	11	14	18	22	27	32	38	44
	1	51	58	65	73	81	89	98	106	115	124	133	143
	2	152	162	172	182	192	203	213	224	235	246	258	269
	3	281	293	305	317	330	342	355	368	381	394	408	421
	4	435	449	463	478	492	507	522	537	552	567	583	598
	5	614	630	647	663	679	696	713	730	747	765	783	800
	6	818	836	855	873	892	911	930	949	968	988	1007	1027
	7	1047	1067	1088	1108	1129	1150	1171	1192	1214	1235	1257	1279
	8	1301	1323	1346	1368	1391	1414	1437	1460	1484	1508	1531	1555
	9	1580	1604	1628	1653	1678	1703	1728	1754	1779	1805	1831	1857
	10	1883	1910	1936	1963	1990	2017	2044	2072	2099	2127	2155	2183
	11	2212	2240	2269	2298	2327	2356	2385	2415	2445	2474	2504	2534
	12	2565	2595	2625	2655	2686	2716	2746	2777	2807	2838	2868	2898
	13	2929	2959	2990	3021	3051	3082	3112	3143	3174	3204	3235	3266
	14	3296	3327	3358	3389	3419	3450	3481	3512	3543	3574	3605	3635
	15	3666	3697	3728	3759	3790	3821	3852	3883	3914	3945	3976	4007
	16	4038	4069	4100	4131	4163	4194	4225	4256	4287	4318	4349	4380
	17	4411	4442	4474	4505	4536	4567	4598	4629	4660	4691	4722	4753
	18	4785	4816	4847	4879	4910	4941	4972	5003	5034	5065	5096	5127
	19	5159	5190	5221	5253	5284	5315	5346	5377	5408	5440	5471	5502
	20	5533	5564	5595	5626	5658	5689	5720	5751	5782	5813	5845	5876
	21	5907	5938	5969	6000	6032	6063	6094	6125	6156	6187	6219	6250
	22	6281	6312	6343	6374	6406	6437	6468	6499	6530	6561	6592	6624
	23	6655	6686	6717	6748	6779	6811	6842	6873	6904	6935	6966	6998
	24	7029	7060	7091	7122	7153	7185	7216	7247	7278	7309	7340	7372
	25	7403	7434	7465	7496	7527	7558	7590	7621	7652	7683	7714	7745
	26	7777	7808	7839	7870	7901	7932	7964	7995	8026	8057	8088	8119
	27	8151	8182	8213	8244	8275	8306	8338	8369	8400	8431	8462	8493
	28	8525	8556	8587	8618	8649	8680	8711	8743	8774	8805	8836	8867
	29	8898	8930	8961	8992	9023	9054	9085	9117	9148	9179	9210	9241
	30	9272	9304	9335	9366	9397	9428	9459	9491	9522	9553	9584	9615
	31	9646	9677	9709	9740	9771	9802	9833	9864	9896	9926	9953	9978
	32	10000	10020	10036	10051	10062	10071	10077					
	33												
	34												
	35												
	36												
37													

**SOUNDING TABLE for  
Cargo Tank #6 Stbd**  
Volume in Barrels

		Inches											
		0	1	2	3	4	5	6	7	8	9	10	11
Feet	0	0	4	6	8	11	14	18	22	27	32	38	44
	1	51	58	65	73	81	89	98	106	115	124	133	142
	2	152	162	172	182	192	202	213	224	235	246	257	269
	3	281	292	305	317	329	342	355	367	381	394	407	421
	4	435	449	463	477	492	506	521	536	551	567	582	598
	5	614	630	646	662	679	696	712	729	747	764	782	799
	6	817	836	854	872	891	910	929	948	967	987	1006	1026
	7	1046	1066	1087	1107	1128	1149	1170	1191	1212	1234	1256	1278
	8	1300	1322	1344	1367	1390	1413	1436	1459	1482	1506	1530	1554
	9	1578	1602	1627	1652	1676	1701	1727	1752	1777	1803	1829	1855
	10	1881	1908	1934	1961	1988	2015	2042	2070	2097	2125	2153	2181
	11	2209	2238	2267	2295	2324	2354	2383	2412	2442	2472	2502	2532
	12	2562	2592	2622	2653	2683	2713	2744	2774	2804	2835	2865	2895
	13	2926	2956	2987	3017	3048	3079	3109	3140	3170	3201	3232	3262
	14	3293	3324	3355	3385	3416	3447	3478	3508	3539	3570	3601	3632
	15	3663	3694	3724	3755	3786	3817	3848	3879	3910	3941	3972	4003
	16	4034	4065	4096	4127	4158	4189	4220	4251	4283	4314	4345	4376
	17	4407	4438	4469	4500	4531	4562	4594	4625	4656	4687	4718	4749
	18	4780	4811	4843	4874	4905	4936	4967	4998	5029	5060	5092	5123
	19	5154	5185	5216	5247	5278	5309	5341	5372	5403	5434	5465	5496
	20	5527	5559	5590	5621	5652	5683	5714	5745	5776	5808	5839	5870
	21	5901	5932	5963	5994	6025	6057	6088	6119	6150	6181	6212	6243
	22	6274	6306	6337	6368	6399	6430	6461	6492	6524	6555	6586	6617
	23	6648	6679	6710	6741	6773	6804	6835	6866	6897	6928	6959	6990
	24	7022	7053	7084	7115	7146	7177	7208	7240	7271	7302	7333	7364
	25	7395	7426	7457	7489	7520	7551	7582	7613	7644	7675	7706	7738
	26	7769	7800	7831	7862	7893	7924	7956	7987	8018	8049	8080	8111
	27	8142	8173	8205	8236	8267	8298	8329	8360	8391	8422	8454	8485
	28	8516	8547	8578	8609	8640	8671	8703	8734	8765	8796	8827	8858
	29	8889	8921	8952	8983	9014	9045	9076	9107	9138	9170	9201	9232
	30	9263	9294	9325	9356	9387	9419	9450	9481	9512	9543	9574	9605
	31	9637	9668	9699	9730	9761	9792	9823	9854	9886	9916	9943	9968
	32	9990	10009	10026	10040	10052	10060	10066					
	33												
	34												
	35												
	36												
37													

**SOUNDING TABLE for  
Ballast Tank #1 Port**  
Volume in Gallons

	Inches											
	0	1	2	3	4	5	6	7	8	9	10	11
0	0	1195	2142	3141	4185	5255	6345	7450	8570	9702	10846	11999
1	13162	14334	15514	16701	17895	19096	20303	21515	22734	23957	25186	26419
2	27656	28898	30144	31393	32647	33903	35164	36427	37694	38963	40236	41511
3	42789	44069	45352	46636	47923	49212	50504	51797	53092	54389	55688	56988
4	58291	59594	60900	62207	63515	64825	66136	67448	68762	70077	71393	72710
5	74028	75348	76639	77731	78642	79370	79952	80439	80887	81309	81707	82086
6	82448	82797	83133	83458	83773	84078	84375	84663	84944	85217	85484	85745
7	86000	86250	86495	86736	86972	87204	87433	87658	87881	88100	88317	88531
8	88744	88954	89163	89371	89577	89782	89987	90191	90394	90597	90800	91002
9	91205	91406	91608	91809	92010	92211	92411	92611	92811	93010	93209	93408
10	93606	93804	94002	94200	94397	94594	94790	94986	95182	95378	95573	95768
11	95963	96158	96352	96546	96740	96933	97126	97319	97512	97704	97896	98088
12	98280	98472	98663	98854	99045	99235	99426	99616	99806	99996	100185	100375
13	100564	100753	100942	101131	101319	101508	101696	101884	102072	102260	102448	102636
14	102823	103011	103198	103385	103573	103760	103947	104134	104321	104507	104694	104881
15	105067	105254	105441	105627	105814	106000	106187	106373	106560	106746	106933	107119
16	107306	107492	107679	107865	108051	108238	108424	108611	108797	108984	109170	109357
17	109543	109730	109916	110103	110289	110476	110662	110849	111035	111222	111408	111595
18	111781	111968	112154	112341	112527	112714	112900	113087	113273	113460	113646	113833
19	114019	114206	114392	114579	114765	114952	115138	115325	115512	115698	115885	116071
20	116258	116444	116631	116817	117004	117190	117377	117563	117750	117936	118123	118309
21	118496	118682	118869	119055	119242	119428	119615	119801	119988	120175	120361	120548
22	120734	120921	121107	121294	121480	121667	121853	122040	122226	122413	122599	122786
23	122973	123159	123346	123532	123719	123905	124092	124278	124465	124651	124838	125024
24	125211	125398	125584	125771	125957	126144	126330	126517	126703	126890	127076	127263
25	127450	127636	127823	128009	128196	128382	128569	128755	128942	129129	129315	129502
26	129688	129875	130061	130248	130434	130621	130808	130994	131181	131367	131554	131740
27	131927	132113	132300	132487	132673	132860	133046	133233	133419	133606	133793	133979
28	134166	134352	134539	134725	134912	135099	135285	135472	135658	135845	136031	136218
29	136405	136591	136778	136964	137151	137338	137524	137711	137897	138084	138270	138457
30	138644	138830	139017	139203	139390	139577	139763	139950	140136	140323	140510	140696
31	140883	141069	141256	141442	141629	141816	142002	142189	142376	142562	142749	142935
32	143122	143308	143495	143682	143868	144055	144241	144428	144615	144801	144988	145174
33	145361	145548	145734	145921	146107	146294	146481	146667	146854	147040	147227	147414
34	147600	147787	147974	148160	148347	148533	148720	148907	149093	149280	149466	149653
35	149840	150026	150213	150400	150586	150773	150959	151146	151333	151519	151706	151893
36	152079	152266	152452	152639	152826	153012	153199	153385	153572	153757	153943	154127
37	154310	154493	154674	154852	155027	155199	155364	155518	155542			

**SOUNDING TABLE for  
Ballast Tank #1 Stbd**  
Volume in Gallons

		Inches											
		0	1	2	3	4	5	6	7	8	9	10	11
Feet	0	0	1058	1902	2794	3725	4683	5659	6652	7658	8678	9708	10749
	1	11799	12858	13924	14998	16080	17167	18261	19361	20467	21577	22693	23813
	2	24937	26066	27199	28335	29476	30619	31767	32917	34071	35227	36387	37549
	3	38714	39881	41051	42223	43397	44573	45751	46931	48113	49297	50483	51671
	4	52860	54051	55244	56438	57633	58830	60028	61227	62428	63630	64833	66037
	5	67242	68449	69648	70720	71619	72340	72920	73407	73855	74277	74675	75054
	6	75416	75765	76101	76426	76741	77046	77343	77631	77912	78185	78452	78713
	7	78968	79218	79463	79704	79940	80172	80401	80626	80849	81068	81285	81499
	8	81712	81922	82131	82339	82545	82750	82955	83159	83362	83565	83768	83970
	9	84173	84374	84576	84777	84978	85179	85379	85579	85779	85978	86177	86376
	10	86574	86773	86970	87168	87365	87562	87758	87954	88150	88346	88541	88736
	11	88931	89126	89320	89514	89708	89901	90094	90287	90480	90672	90864	91056
	12	91248	91440	91631	91822	92013	92203	92394	92584	92774	92964	93153	93343
	13	93532	93721	93910	94099	94287	94476	94664	94852	95040	95228	95416	95604
	14	95791	95979	96166	96353	96541	96728	96915	97102	97288	97475	97662	97849
	15	98035	98222	98409	98595	98782	98968	99155	99341	99528	99714	99901	100087
	16	100274	100460	100647	100833	101019	101206	101392	101579	101765	101952	102138	102325
	17	102511	102698	102884	103071	103257	103444	103630	103817	104003	104190	104376	104563
	18	104749	104936	105122	105309	105495	105682	105868	106055	106241	106428	106614	106801
	19	106987	107174	107360	107547	107733	107920	108107	108293	108480	108666	108853	109039
	20	109226	109412	109599	109785	109972	110158	110345	110531	110718	110904	111091	111277
	21	111464	111650	111837	112023	112210	112396	112583	112769	112956	113143	113329	113516
	22	113702	113889	114075	114262	114448	114635	114821	115008	115194	115381	115567	115754
	23	115941	116127	116314	116500	116687	116873	117060	117246	117433	117619	117806	117992
	24	118179	118366	118552	118739	118925	119112	119298	119485	119671	119858	120044	120231
	25	120418	120604	120791	120977	121164	121350	121537	121723	121910	122097	122283	122470
	26	122656	122843	123029	123216	123402	123589	123776	123962	124149	124335	124522	124708
	27	124895	125081	125268	125455	125641	125828	126014	126201	126387	126574	126761	126947
	28	127134	127320	127507	127693	127880	128067	128253	128440	128626	128813	128999	129186
	29	129373	129559	129746	129932	130119	130306	130492	130679	130865	131052	131238	131425
	30	131612	131798	131985	132171	132358	132545	132731	132918	133104	133291	133478	133664
	31	133851	134037	134224	134410	134597	134784	134970	135157	135343	135530	135717	135903
	32	136090	136276	136463	136650	136836	137023	137209	137396	137583	137769	137956	138142
	33	138329	138516	138702	138889	139075	139262	139449	139635	139822	140009	140195	140382
	34	140568	140755	140942	141128	141315	141501	141688	141875	142061	142248	142434	142621
	35	142808	142994	143181	143368	143554	143741	143927	144114	144301	144487	144674	144860
	36	145047	145234	145420	145607	145794	145980	146167	146353	146540	146725	146910	147095
37	147278	147461	147642	147820	147995	148167	148332	148486	148510				

**SOUNDING TABLE for  
Ballast Tank #2 Port**  
Volume in Gallons

		Inches											
		0	1	2	3	4	5	6	7	8	9	10	11
Feet	0	0	1883	3252	4629	6011	7398	8787	10180	11576	12974	14375	15776
	1	17179	18584	19989	21396	22803	24210	25618	27027	28435	29844	31253	32661
	2	34070	35479	36888	38297	39707	41116	42525	43934	45343	46752	48162	49571
	3	50980	52389	53799	55208	56617	58027	59436	60845	62254	63664	65073	66482
	4	67891	69301	70710	72119	73528	74938	76347	77756	79165	80575	81984	83393
	5	84802	86212	87617	88879	89948	90822	91502	91987	92278	92472	92660	92848
	6	93035	93223	93411	93598	93786	93973	94160	94348	94535	94722	94909	95096
	7	95284	95470	95657	95844	96031	96218	96405	96591	96778	96965	97152	97338
	8	97525	97712	97898	98085	98272	98459	98645	98832	99019	99206	99392	99579
	9	99766	99952	100139	100326	100513	100699	100886	101073	101260	101446	101633	101820
	10	102006	102193	102380	102567	102753	102940	103127	103314	103500	103687	103874	104060
	11	104247	104434	104621	104807	104994	105181	105367	105554	105741	105928	106114	106301
	12	106488	106675	106861	107048	107235	107421	107608	107795	107982	108168	108355	108542
	13	108729	108915	109102	109289	109475	109662	109849	110036	110222	110409	110596	110782
	14	110969	111156	111343	111529	111716	111903	112090	112276	112463	112650	112836	113023
	15	113210	113397	113583	113770	113957	114143	114330	114517	114704	114890	115077	115264
	16	115451	115637	115824	116011	116197	116384	116571	116758	116944	117131	117318	117505
	17	117691	117878	118065	118251	118438	118625	118812	118998	119185	119372	119559	119745
	18	119932	120119	120305	120492	120679	120866	121052	121239	121426	121612	121799	121986
	19	122173	122359	122546	122733	122920	123106	123293	123480	123666	123853	124040	124227
	20	124413	124600	124787	124974	125160	125347	125534	125720	125907	126094	126281	126467
	21	126654	126841	127028	127214	127401	127588	127774	127961	128148	128335	128521	128708
	22	128895	129082	129268	129455	129642	129828	130015	130202	130389	130575	130762	130949
	23	131136	131322	131509	131696	131882	132069	132256	132443	132629	132816	133003	133189
	24	133376	133563	133750	133936	134123	134310	134497	134683	134870	135057	135243	135430
	25	135617	135804	135990	136177	136364	136551	136737	136924	137111	137297	137484	137671
	26	137858	138044	138231	138418	138605	138791	138978	139165	139351	139538	139725	139912
	27	140098	140285	140472	140659	140845	141032	141219	141405	141592	141779	141966	142152
	28	142339	142526	142712	142899	143086	143273	143459	143646	143833	144020	144206	144393
	29	144580	144766	144953	145140	145327	145513	145700	145887	146074	146260	146447	146634
	30	146820	147007	147194	147381	147567	147754	147941	148128	148314	148501	148688	148874
	31	149061	149248	149435	149621	149808	149995	150181	150368	150555	150742	150928	151115
	32	151302	151489	151675	151862	152049	152235	152422	152609	152796	152982	153169	153356
	33	153543	153729	153916	154103	154289	154476	154663	154850	155036	155223	155410	155596
	34	155783	155970	156157	156343	156530	156717	156903	157090	157277	157464	157650	157837
	35	158024	158211	158397	158584	158771	158957	159144	159331	159518	159704	159891	160078
	36	160264	160451	160638	160825	161011	161198	161385	161571	161757	161944	162125	162309
37	162491	162672	162849	163024	163195	163361	163517	163653					



**SOUNDING TABLE for  
Ballast Tank #2 Stbd**  
Volume in Gallons

		Inches											
		0	1	2	3	4	5	6	7	8	9	10	11
Feet	0	0	2041	3523	5012	6507	8007	9509	11015	12524	14035	15549	17063
	1	18579	20097	21615	23135	24655	26175	27696	29217	30739	32261	33782	35304
	2	36826	38348	39870	41392	42914	44436	45959	47481	49003	50525	52047	53570
	3	55092	56614	58136	59658	61181	62703	64225	65747	67270	68792	70314	71836
	4	73359	74881	76403	77925	79448	80970	82492	84014	85537	87059	88581	90103
	5	91626	93148	94651	95913	96982	97856	98536	99021	99312	99506	99694	99882
	6	100069	100257	100445	100632	100820	101007	101194	101382	101569	101756	101943	102130
	7	102318	102505	102691	102878	103065	103252	103439	103625	103812	103999	104186	104372
	8	104559	104746	104933	105119	105306	105493	105679	105866	106053	106240	106426	106613
	9	106800	106986	107173	107360	107547	107733	107920	108107	108294	108480	108667	108854
	10	109040	109227	109414	109601	109787	109974	110161	110347	110534	110721	110908	111094
	11	111281	111468	111655	111841	112028	112215	112401	112588	112775	112962	113148	113335
	12	113522	113709	113895	114082	114269	114455	114642	114829	115016	115202	115389	115576
	13	115762	115949	116136	116323	116509	116696	116883	117070	117256	117443	117630	117816
	14	118003	118190	118377	118563	118750	118937	119124	119310	119497	119684	119870	120057
	15	120244	120431	120617	120804	120991	121177	121364	121551	121738	121924	122111	122298
	16	122485	122671	122858	123045	123231	123418	123605	123792	123978	124165	124352	124539
	17	124725	124912	125099	125285	125472	125659	125846	126032	126219	126406	126592	126779
	18	126966	127153	127339	127526	127713	127900	128086	128273	128460	128646	128833	129020
	19	129207	129393	129580	129767	129954	130140	130327	130514	130700	130887	131074	131261
	20	131447	131634	131821	132008	132194	132381	132568	132754	132941	133128	133315	133501
	21	133688	133875	134062	134248	134435	134622	134808	134995	135182	135369	135555	135742
	22	135929	136115	136302	136489	136676	136862	137049	137236	137423	137609	137796	137983
	23	138169	138356	138543	138730	138916	139103	139290	139477	139663	139850	140037	140223
	24	140410	140597	140784	140970	141157	141344	141531	141717	141904	142091	142277	142464
	25	142651	142838	143024	143211	143398	143585	143771	143958	144145	144331	144518	144705
	26	144892	145078	145265	145452	145639	145825	146012	146199	146385	146572	146759	146946
	27	147132	147319	147506	147692	147879	148066	148253	148439	148626	148813	149000	149186
	28	149373	149560	149746	149933	150120	150307	150493	150680	150867	151054	151240	151427
	29	151614	151800	151987	152174	152361	152547	152734	152921	153108	153294	153481	153668
	30	153854	154041	154228	154415	154601	154788	154975	155161	155348	155535	155722	155908
	31	156095	156282	156469	156655	156842	157029	157215	157402	157589	157776	157962	158149
	32	158336	158523	158709	158896	159083	159269	159456	159643	159830	160016	160203	160390
	33	160576	160763	160950	161137	161323	161510	161697	161884	162070	162257	162444	162630
	34	162817	163004	163191	163377	163564	163751	163937	164124	164311	164498	164684	164871
	35	165058	165245	165431	165618	165805	165991	166178	166365	166552	166738	166925	167112
	36	167298	167485	167672	167859	168045	168232	168419	168605	168791	168975	169159	169343
37	169525	169706	169883	170057	170229	170395	170551	170687					

**SOUNDING TABLE for  
Ballast Tank #3 Port**  
Volume in Gallons

		Inches											
		0	1	2	3	4	5	6	7	8	9	10	11
Feet	0	0	2068	3559	5057	6560	8067	9576	11088	12602	14120	15639	17159
	1	18680	20202	21725	23249	24774	26299	27824	29349	30874	32399	33925	35450
	2	36975	38500	40025	41551	43076	44601	46126	47651	49176	50702	52227	53752
	3	55277	56802	58328	59853	61378	62903	64428	65954	67479	69004	70529	72054
	4	73580	75105	76630	78155	79680	81206	82731	84256	85781	87306	88832	90357
	5	91882	93407	94932	96457	97982	99507	101032	102557	104082	105607	107132	108657
	6	100259	100446	100633	100819	101006	101193	101379	101566	101753	101940	102126	102313
	7	102500	102686	102873	103060	103247	103433	103620	103807	103993	104180	104367	104554
	8	104740	104927	105114	105301	105487	105674	105861	106047	106234	106421	106608	106794
	9	106981	107168	107354	107541	107728	107915	108101	108288	108475	108661	108848	109035
	10	109222	109408	109595	109782	109968	110155	110342	110529	110715	110902	111089	111275
	11	111462	111649	111836	112022	112209	112396	112583	112769	112956	113143	113329	113516
	12	113703	113890	114076	114263	114450	114636	114823	115010	115197	115383	115570	115757
	13	115943	116130	116317	116504	116690	116877	117064	117250	117437	117624	117811	117997
	14	118184	118371	118557	118744	118931	119118	119304	119491	119678	119864	120051	120238
	15	120425	120611	120798	120985	121172	121358	121545	121732	121918	122105	122292	122479
	16	122665	122852	123039	123225	123412	123599	123786	123972	124159	124346	124532	124719
	17	124906	125093	125279	125466	125653	125840	126026	126213	126400	126586	126773	126960
	18	127147	127333	127520	127707	127893	128080	128267	128454	128640	128827	129014	129200
	19	129387	129574	129761	129947	130134	130321	130507	130694	130881	131068	131254	131441
	20	131628	131815	132001	132188	132375	132561	132748	132935	133122	133308	133495	133682
	21	133868	134055	134242	134429	134615	134802	134989	135176	135362	135549	135736	135922
	22	136109	136296	136483	136669	136856	137043	137229	137416	137603	137790	137976	138163
	23	138350	138536	138723	138910	139097	139283	139470	139657	139844	140030	140217	140404
	24	140590	140777	140964	141151	141337	141524	141711	141897	142084	142271	142458	142644
	25	142831	143018	143204	143391	143578	143765	143951	144138	144325	144511	144698	144885
	26	145072	145258	145445	145632	145819	146005	146192	146379	146565	146752	146939	147126
	27	147312	147499	147686	147872	148059	148246	148433	148619	148806	148993	149180	149366
	28	149553	149740	149926	150113	150300	150487	150673	150860	151047	151233	151420	151607
	29	151794	151980	152167	152354	152540	152727	152914	153101	153287	153474	153661	153847
	30	154034	154221	154408	154594	154781	154968	155155	155341	155528	155715	155901	156088
	31	156275	156462	156648	156835	157022	157208	157395	157582	157769	157955	158142	158329
	32	158515	158702	158889	159076	159262	159449	159636	159823	160009	160196	160383	160569
	33	160756	160943	161130	161316	161503	161690	161876	162063	162250	162437	162623	162810
	34	162997	163183	163370	163557	163744	163930	164117	164304	164490	164677	164864	165051
	35	165237	165424	165611	165797	165984	166171	166358	166544	166731	166918	167104	167291
	36	167478	167665	167851	168038	168225	168411	168598	168784	168970	169155	169338	169522
37	169704	169884	170060	170234	170405	170570	170726	170860					

**SOUNDING TABLE for  
Ballast Tank #3 Stbd**  
Volume in Gallons

		Inches											
		0	1	2	3	4	5	6	7	8	9	10	11
Feet	0	0	1910	3289	4673	6063	7457	8853	10252	11654	13058	14464	15871
	1	17279	18689	20099	21510	22921	24333	25745	27158	28570	29982	31394	32806
	2	34219	35631	37043	38455	39868	41280	42692	44104	45516	46929	48341	49753
	3	51165	52577	53990	55402	56814	58226	59639	61051	62463	63875	65287	66700
	4	68112	69524	70936	72348	73761	75173	76585	77997	79410	80822	82234	83646
	5	85058	86471	87878	89141	90203	91064	91726	92187	92450	92637	92824	93010
	6	93197	93384	93571	93757	93944	94131	94317	94504	94691	94878	95064	95251
	7	95438	95625	95811	95998	96185	96371	96558	96745	96932	97118	97305	97492
	8	97678	97865	98052	98239	98425	98612	98799	98985	99172	99359	99546	99732
	9	99919	100106	100293	100479	100666	100853	101039	101226	101413	101600	101786	101973
	10	102160	102346	102533	102720	102907	103093	103280	103467	103653	103840	104027	104214
	11	104400	104587	104774	104960	105147	105334	105521	105707	105894	106081	106267	106454
	12	106641	106828	107014	107201	107388	107575	107761	107948	108135	108321	108508	108695
	13	108882	109068	109255	109442	109628	109815	110002	110189	110375	110562	110749	110935
	14	111122	111309	111496	111682	111869	112056	112242	112429	112616	112803	112989	113176
	15	113363	113549	113736	113923	114110	114296	114483	114670	114856	115043	115230	115417
	16	115603	115790	115977	116164	116350	116537	116724	116910	117097	117284	117471	117657
	17	117844	118031	118217	118404	118591	118778	118964	119151	119338	119524	119711	119898
	18	120085	120271	120458	120645	120832	121018	121205	121392	121578	121765	121952	122139
	19	122325	122512	122699	122885	123072	123259	123446	123632	123819	124006	124192	124379
	20	124566	124753	124939	125126	125313	125500	125686	125873	126060	126246	126433	126620
	21	126807	126993	127180	127367	127553	127740	127927	128114	128300	128487	128674	128860
	22	129047	129234	129421	129607	129794	129981	130168	130354	130541	130728	130914	131101
	23	131288	131475	131661	131848	132035	132221	132408	132595	132782	132968	133155	133342
	24	133528	133715	133902	134089	134275	134462	134649	134836	135022	135209	135396	135582
	25	135769	135956	136143	136329	136516	136703	136889	137076	137263	137450	137636	137823
	26	138010	138196	138383	138570	138757	138943	139130	139317	139504	139690	139877	140064
	27	140250	140437	140624	140811	140997	141184	141371	141557	141744	141931	142118	142304
	28	142491	142678	142864	143051	143238	143425	143611	143798	143985	144172	144358	144545
	29	144732	144918	145105	145292	145479	145665	145852	146039	146225	146412	146599	146786
	30	146972	147159	147346	147532	147719	147906	148093	148279	148466	148653	148840	149026
	31	149213	149400	149586	149773	149960	150147	150333	150520	150707	150893	151080	151267
	32	151454	151640	151827	152014	152200	152387	152574	152761	152947	153134	153321	153507
	33	153694	153881	154068	154254	154441	154628	154814	155001	155188	155375	155561	155748
	34	155935	156121	156308	156495	156682	156868	157055	157242	157429	157615	157802	157989
	35	158175	158362	158549	158736	158922	159109	159296	159482	159669	159856	160043	160229
	36	160416	160603	160789	160976	161163	161350	161536	161723	161909	162096	162282	162469
37	162642	162822	162998	163172	163343	163509	163664	163798					

**SOUNDING TABLE for  
Ballast Tank #4 Port**  
Volume in Gallons

		Inches											
		0	1	2	3	4	5	6	7	8	9	10	11
Feet	0	0	1910	3289	4673	6063	7457	8853	10252	11654	13058	14464	15871
	1	17279	18688	20098	21509	22921	24333	25745	27157	28569	29982	31394	32806
	2	34218	35630	37043	38455	39867	41279	42691	44104	45516	46928	48340	49753
	3	51165	52577	53989	55401	56814	58226	59638	61050	62462	63875	65287	66699
	4	68111	69523	70936	72348	73760	75172	76585	77997	79409	80821	82233	83646
	5	85058	86470	87878	89140	90202	91064	91726	92187	92450	92636	92823	93010
	6	93197	93383	93570	93757	93944	94130	94317	94504	94690	94877	95064	95251
	7	95437	95624	95811	95997	96184	96371	96558	96744	96931	97118	97304	97491
	8	97678	97865	98051	98238	98425	98611	98798	98985	99172	99358	99545	99732
	9	99919	100105	100292	100479	100665	100852	101039	101226	101412	101599	101786	101972
	10	102159	102346	102533	102719	102906	103093	103279	103466	103653	103840	104026	104213
	11	104400	104587	104773	104960	105147	105333	105520	105707	105894	106080	106267	106454
	12	106640	106827	107014	107201	107387	107574	107761	107947	108134	108321	108508	108694
	13	108881	109068	109254	109441	109628	109815	110001	110188	110375	110561	110748	110935
	14	111122	111308	111495	111682	111868	112055	112242	112429	112615	112802	112989	113176
	15	113362	113549	113736	113922	114109	114296	114483	114669	114856	115043	115229	115416
	16	115603	115790	115976	116163	116350	116536	116723	116910	117097	117283	117470	117657
	17	117843	118030	118217	118404	118590	118777	118964	119151	119337	119524	119711	119897
	18	120084	120271	120458	120644	120831	121018	121204	121391	121578	121765	121951	122138
	19	122325	122511	122698	122885	123072	123258	123445	123632	123819	124005	124192	124379
	20	124565	124752	124939	125126	125312	125499	125686	125872	126059	126246	126433	126619
	21	126806	126993	127180	127366	127553	127740	127926	128113	128300	128487	128673	128860
	22	129047	129233	129420	129607	129794	129980	130167	130354	130540	130727	130914	131101
	23	131287	131474	131661	131848	132034	132221	132408	132594	132781	132968	133155	133341
	24	133528	133715	133901	134088	134275	134462	134648	134835	135022	135208	135395	135582
	25	135769	135955	136142	136329	136516	136702	136889	137076	137262	137449	137636	137823
	26	138009	138196	138383	138569	138756	138943	139130	139316	139503	139690	139876	140063
	27	140250	140437	140623	140810	140997	141183	141370	141557	141744	141930	142117	142304
	28	142491	142677	142864	143051	143237	143424	143611	143798	143984	144171	144358	144544
	29	144731	144918	145105	145291	145478	145665	145852	146038	146225	146412	146598	146785
	30	146972	147159	147345	147532	147719	147905	148092	148279	148466	148652	148839	149026
	31	149212	149399	149586	149773	149959	150146	150333	150520	150706	150893	151080	151266
	32	151453	151640	151827	152013	152200	152387	152573	152760	152947	153134	153320	153507
	33	153694	153880	154067	154254	154441	154627	154814	155001	155187	155374	155561	155748
	34	155934	156121	156308	156494	156681	156868	157055	157241	157428	157615	157801	157988
	35	158175	158362	158548	158735	158922	159108	159295	159482	159669	159855	160042	160229
	36	160415	160602	160789	160976	161162	161349	161536	161722	161908	162092	162276	162459
37	162641	162821	162998	163172	163342	163508	163663	163798					

**SOUNDING TABLE for  
Ballast Tank #4 Stbd**  
Volume in Gallons

		Inches											
		0	1	2	3	4	5	6	7	8	9	10	11
Feet	0	0	2068	3559	5057	6560	8067	9576	11088	12602	14120	15638	17158
	1	18679	20201	21725	23249	24773	26298	27823	29348	30874	32399	33924	35449
	2	36974	38500	40025	41550	43075	44600	46126	47651	49176	50701	52226	53752
	3	55277	56802	58327	59852	61378	62903	64428	65953	67478	69003	70529	72054
	4	73579	75104	76629	78155	79680	81205	82730	84255	85781	87306	88831	90356
	5	91881	93407	94932	96457	97982	99507	101032	102557	104082	105607	107132	108657
	6	100259	100445	100632	100819	101005	101192	101379	101566	101752	101939	102126	102312
	7	102499	102686	102873	103059	103246	103433	103620	103806	103993	104180	104366	104553
	8	104740	104927	105113	105300	105487	105673	105860	106047	106234	106420	106607	106794
	9	106980	107167	107354	107541	107727	107914	108101	108287	108474	108661	108848	109034
	10	109221	109408	109594	109781	109968	110155	110341	110528	110715	110902	111088	111275
	11	111462	111648	111835	112022	112209	112395	112582	112769	112955	113142	113329	113516
	12	113702	113889	114076	114262	114449	114636	114823	115009	115196	115383	115569	115756
	13	115943	116130	116316	116503	116690	116876	117063	117250	117437	117623	117810	117997
	14	118184	118370	118557	118744	118930	119117	119304	119491	119677	119864	120051	120237
	15	120424	120611	120798	120984	121171	121358	121544	121731	121918	122105	122291	122478
	16	122665	122851	123038	123225	123412	123598	123785	123972	124159	124345	124532	124719
	17	124905	125092	125279	125466	125652	125839	126026	126212	126399	126586	126773	126959
	18	127146	127333	127519	127706	127893	128080	128266	128453	128640	128827	129013	129200
	19	129387	129573	129760	129947	130134	130320	130507	130694	130880	131067	131254	131441
	20	131627	131814	132001	132187	132374	132561	132748	132934	133121	133308	133495	133681
	21	133868	134055	134241	134428	134615	134802	134988	135175	135362	135548	135735	135922
	22	136109	136295	136482	136669	136855	137042	137229	137416	137602	137789	137976	138163
	23	138349	138536	138723	138909	139096	139283	139470	139656	139843	140030	140216	140403
	24	140590	140777	140963	141150	141337	141523	141710	141897	142084	142270	142457	142644
	25	142831	143017	143204	143391	143577	143764	143951	144138	144324	144511	144698	144884
	26	145071	145258	145445	145631	145818	146005	146191	146378	146565	146752	146938	147125
	27	147312	147499	147685	147872	148059	148245	148432	148619	148806	148992	149179	149366
	28	149552	149739	149926	150113	150299	150486	150673	150859	151046	151233	151420	151606
	29	151793	151980	152167	152353	152540	152727	152913	153100	153287	153474	153660	153847
	30	154034	154220	154407	154594	154781	154967	155154	155341	155527	155714	155901	156088
	31	156274	156461	156648	156835	157021	157208	157395	157581	157768	157955	158142	158328
	32	158515	158702	158888	159075	159262	159449	159635	159822	160009	160195	160382	160569
	33	160756	160942	161129	161316	161502	161689	161876	162063	162249	162436	162623	162809
	34	162996	163183	163370	163556	163743	163930	164116	164303	164490	164677	164863	165050
	35	165237	165423	165610	165797	165984	166170	166357	166544	166730	166917	167104	167291
	36	167477	167664	167851	168038	168224	168411	168598	168784	168969	169154	169338	169521
37	169703	169883	170060	170234	170404	170570	170725	170859					

**SOUNDING TABLE for  
Ballast Tank #5 Port**  
Volume in Gallons

		Inches											
		0	1	2	3	4	5	6	7	8	9	10	11
Feet	0	0	3136	4632	6134	7640	9148	10660	12174	13690	15209	16728	18249
	1	19771	21294	22817	24341	25866	27391	28916	30441	31967	33492	35017	36542
	2	38068	39593	41118	42643	44168	45694	47219	48744	50269	51794	53320	54845
	3	56370	57895	59421	60946	62471	63996	65521	67047	68572	70097	71622	73148
	4	74673	76198	77723	79248	80774	82299	83824	85349	86875	88400	89925	91450
	5	92975	94501	95843	96984	97932	98686	99243	99600	99822	100029	100225	100415
	6	100604	100791	100979	101166	101353	101540	101726	101913	102100	102286	102473	102660
	7	102847	103033	103220	103407	103594	103780	103967	104154	104340	104527	104714	104901
	8	105087	105274	105461	105647	105834	106021	106208	106394	106581	106768	106954	107141
	9	107328	107515	107701	107888	108075	108262	108448	108635	108822	109008	109195	109382
	10	109569	109755	109942	110129	110315	110502	110689	110876	111062	111249	111436	111623
	11	111809	111996	112183	112369	112556	112743	112930	113116	113303	113490	113676	113863
	12	114050	114237	114423	114610	114797	114983	115170	115357	115544	115730	115917	116104
	13	116291	116477	116664	116851	117037	117224	117411	117598	117784	117971	118158	118344
	14	118531	118718	118905	119091	119278	119465	119652	119838	120025	120212	120398	120585
	15	120772	120959	121145	121332	121519	121705	121892	122079	122266	122452	122639	122826
	16	123012	123199	123386	123573	123759	123946	124133	124320	124506	124693	124880	125066
	17	125253	125440	125627	125813	126000	126187	126373	126560	126747	126934	127120	127307
	18	127494	127681	127867	128054	128241	128427	128614	128801	128988	129174	129361	129548
	19	129735	129921	130108	130295	130481	130668	130855	131042	131228	131415	131602	131788
	20	131975	132162	132349	132535	132722	132909	133096	133282	133469	133656	133842	134029
	21	134216	134403	134589	134776	134963	135149	135336	135523	135710	135896	136083	136270
	22	136457	136643	136830	137017	137203	137390	137577	137764	137950	138137	138324	138511
	23	138697	138884	139071	139257	139444	139631	139818	140004	140191	140378	140564	140751
	24	140938	141125	141311	141498	141685	141871	142058	142245	142432	142618	142805	142992
	25	143179	143365	143552	143739	143926	144112	144299	144486	144672	144859	145046	145233
	26	145419	145606	145793	145979	146166	146353	146540	146726	146913	147100	147286	147473
	27	147660	147847	148033	148220	148407	148594	148780	148967	149154	149340	149527	149714
	28	149901	150087	150274	150461	150647	150834	151021	151208	151394	151581	151768	151955
	29	152141	152328	152515	152701	152888	153075	153262	153448	153635	153822	154008	154195
	30	154382	154569	154755	154942	155129	155316	155502	155689	155876	156063	156249	156436
	31	156623	156809	156996	157183	157369	157556	157743	157930	158116	158303	158490	158677
	32	158863	159050	159237	159423	159610	159797	159984	160170	160357	160544	160730	160917
	33	161104	161291	161477	161664	161851	162038	162224	162411	162598	162784	162971	163158
	34	163345	163531	163718	163905	164091	164278	164465	164652	164838	165025	165212	165398
	35	165585	165772	165959	166145	166332	166519	166706	166892	167079	167266	167452	167639
	36	167826	168013	168199	168386	168573	168759	168946	169132	169317	169501	169684	169867
37	170048	170225	170400	170572	170740	170898	171045						

**SOUNDING TABLE for  
Ballast Tank #5 Stbd**

Volume in Gallons

		Inches											
		0	1	2	3	4	5	6	7	8	9	10	11
Feet	0	0	2897	4280	5669	7062	8458	9856	11257	12661	14066	15473	16881
	1	18289	19699	21110	22521	23933	25345	26757	28169	29581	30994	32406	33818
	2	35230	36642	38055	39467	40879	42291	43704	45116	46528	47940	49353	50765
	3	52177	53589	55002	56414	57826	59238	60650	62063	63475	64887	66299	67712
	4	69124	70536	71948	73361	74773	76185	77597	79010	80422	81834	83246	84659
	5	86071	87483	88896	89940	90885	91636	92192	92550	92772	92978	93175	93365
	6	93553	93741	93928	94115	94302	94489	94676	94863	95049	95236	95423	95609
	7	95796	95983	96170	96356	96543	96730	96917	97103	97290	97477	97663	97850
	8	98037	98224	98410	98597	98784	98970	99157	99344	99531	99717	99904	100091
	9	100278	100464	100651	100838	101024	101211	101398	101585	101771	101958	102145	102332
	10	102518	102705	102892	103078	103265	103452	103639	103825	104012	104199	104385	104572
	11	104759	104946	105132	105319	105506	105692	105879	106066	106253	106439	106626	106813
	12	106999	107186	107373	107560	107746	107933	108120	108307	108493	108680	108867	109053
	13	109240	109427	109614	109800	109987	110174	110361	110547	110734	110921	111107	111294
	14	111481	111668	111854	112041	112228	112414	112601	112788	112975	113161	113348	113535
	15	113721	113908	114095	114282	114468	114655	114842	115029	115215	115402	115589	115775
	16	115962	116149	116336	116522	116709	116896	117082	117269	117456	117643	117829	118016
	17	118203	118390	118576	118763	118950	119136	119323	119510	119697	119883	120070	120257
	18	120443	120630	120817	121004	121190	121377	121564	121751	121937	122124	122311	122497
	19	122684	122871	123058	123244	123431	123618	123804	123991	124178	124365	124551	124738
	20	124925	125112	125298	125485	125672	125858	126045	126232	126419	126605	126792	126979
	21	127165	127352	127539	127726	127912	128099	128286	128473	128659	128846	129033	129219
	22	129406	129593	129780	129966	130153	130340	130527	130713	130900	131087	131273	131460
	23	131647	131834	132020	132207	132394	132580	132767	132954	133141	133327	133514	133701
	24	133888	134074	134261	134448	134634	134821	135008	135195	135381	135568	135755	135941
	25	136128	136315	136502	136688	136875	137062	137249	137435	137622	137809	137995	138182
	26	138369	138556	138742	138929	139116	139302	139489	139676	139863	140049	140236	140423
	27	140610	140796	140983	141170	141356	141543	141730	141917	142103	142290	142477	142663
	28	142850	143037	143224	143410	143597	143784	143971	144157	144344	144531	144717	144904
	29	145091	145278	145464	145651	145838	146024	146211	146398	146585	146771	146958	147145
	30	147332	147518	147705	147892	148078	148265	148452	148639	148825	149012	149199	149386
	31	149572	149759	149946	150132	150319	150506	150693	150879	151066	151253	151439	151626
	32	151813	152000	152186	152373	152560	152746	152933	153120	153307	153493	153680	153867
	33	154054	154240	154427	154614	154800	154987	155174	155361	155547	155734	155921	156107
	34	156294	156481	156668	156854	157041	157228	157414	157601	157788	157975	158161	158348
	35	158535	158721	158908	159095	159282	159468	159655	159842	160029	160215	160402	160589
	36	160775	160962	161149	161336	161522	161709	161895	162081	162266	162450	162634	162816
37	162997	163175	163350	163521	163689	163848	163994						

**SOUNDING TABLE for  
Ballast Tank #6 Port**  
Volume in Gallons

		Inches											
		0	1	2	3	4	5	6	7	8	9	10	11
Feet	0	0	65	146	253	384	537	708	899	1107	1331	1571	1826
	1	2095	2379	2675	2985	3307	3642	3988	4346	4715	5094	5483	5881
	2	6288	6704	7128	7560	7999	8447	8902	9365	9835	10314	10799	11292
	3	11794	12303	12818	13343	13875	14416	14962	15515	16080	16648	17224	17812
	4	18401	19001	19611	20223	20845	21477	22113	22758	23412	24070	24737	25413
	5	26094	26785	27483	28187	28900	29620	30346	31076	31806	32533	33254	33965
	6	34664	35351	36026	36690	37341	37981	38609	39225	39829	40423	41007	41584
	7	42159	42729	43300	43873	44443	45015	45587	46158	46729	47302	47873	48445
	8	49017	49589	50162	50735	51307	51881	52455	53029	53603	54178	54753	55328
	9	55905	56482	57060	57638	58217	58797	59378	59959	60540	61123	61707	62291
	10	62876	63461	64048	64635	65223	65811	66400	66990	67581	68172	68765	69358
	11	69951	70546	71142	71737	72335	72933	73531	74131	74732	75333	75935	76538
	12	77142	77747	78352	78959	79565	80170	80774	81377	81977	82575	83170	83760
	13	84347	84929	85505	86077	86641	87201	87754	88301	88843	89378	89907	90431
	14	90947	91458	91963	92461	92952	93438	93917	94390	94857	95316	95770	96216
	15	96656	97091	97518	97939	98354	98761	99162	99558	99946	100327	100702	101070
	16	101432	101787	102135	102476	102811	103138	103460	103774	104081	104382	104676	104963
	17	105243	105516	105784	106043	106296	106543	106785	107020	107253	107483	107711	107938
	18	108164	108389	108613	108835	109057	109278	109498	109717	109935	110152	110368	110583
	19	110797	111011	111223	111435	111646	111856	112066	112275	112483	112690	112897	113103
	20	113308	113512	113716	113919	114121	114323	114525	114725	114926	115125	115324	115523
	21	115721	115918	116115	116312	116508	116704	116899	117094	117289	117483	117677	117870
	22	118063	118256	118449	118641	118833	119024	119216	119407	119598	119789	119979	120170
	23	120360	120550	120740	120929	121119	121309	121498	121687	121877	122066	122255	122444
	24	122633	122822	123011	123200	123389	123578	123767	123956	124145	124334	124523	124712
	25	124901	125090	125279	125468	125657	125846	126035	126224	126412	126601	126790	126979
	26	127168	127356	127545	127734	127923	128111	128300	128489	128678	128866	129055	129244
	27	129432	129621	129809	129998	130187	130375	130564	130752	130941	131129	131318	131506
	28	131695	131883	132072	132260	132449	132637	132825	133014	133202	133391	133579	133767
	29	133956	134144	134332	134521	134709	134897	135085	135274	135462	135650	135838	136027
	30	136215	136403	136591	136779	136967	137155	137344	137532	137720	137908	138096	138284
	31	138472	138660	138848	139036	139224	139412	139600	139788	139976	140164	140351	140539
	32	140727	140915	141103	141291	141479	141666	141854	142042	142230	142418	142605	142793
	33	142981	143168	143356	143544	143731	143919	144107	144294	144482	144670	144857	145045
	34	145232	145420	145607	145795	145982	146170	146357	146545	146732	146920	147107	147295
	35	147482	147670	147857	148044	148232	148419	148606	148794	148981	149168	149356	149543
	36	149730	149917	150105	150292	150479	150666	150853	151039	151224	151408	151592	151774
37	151953	152130	152303	152473	152636	152791	152859						



**SOUNDING TABLE for  
Ballast Tank #6 Stbd**  
Volume in Gallons

		Inches											
		0	1	2	3	4	5	6	7	8	9	10	11
Feet	0	0	70	158	274	416	581	767	973	1198	1440	1700	1976
	1	2267	2574	2895	3230	3578	3940	4314	4701	5100	5510	5931	6362
	2	6802	7252	7710	8178	8653	9137	9630	10130	10638	11156	11682	12215
	3	12757	13308	13866	14433	15009	15595	16185	16784	17395	18009	18633	19269
	4	19908	20556	21216	21879	22553	23237	23925	24623	25331	26044	26767	27499
	5	28236	28984	29740	30502	31274	32054	32840	33629	34416	35198	35974	36737
	6	37488	38227	38951	39663	40361	41046	41719	42378	43024	43660	44285	44904
	7	45520	46132	46744	47358	47970	48582	49196	49808	50421	51034	51647	52260
	8	52874	53487	54101	54715	55329	55944	56559	57173	57789	58405	59020	59637
	9	60255	60873	61492	62112	62731	63352	63974	64596	65219	65843	66467	67092
	10	67718	68345	68972	69600	70229	70858	71488	72119	72750	73382	74016	74650
	11	75284	75920	76556	77193	77831	78470	79109	79750	80391	81033	81676	82319
	12	82964	83609	84255	84903	85548	86193	86837	87477	88115	88750	89380	90007
	13	90628	91244	91854	92458	93055	93646	94230	94808	95379	95943	96500	97051
	14	97595	98132	98662	99185	99701	100211	100713	101208	101696	102176	102650	103117
	15	103576	104029	104473	104911	105343	105766	106183	106592	106993	107389	107776	108156
	16	108529	108894	109251	109602	109945	110280	110609	110929	111243	111549	111847	112138
	17	112422	112697	112967	113227	113481	113729	113970	114206	114439	114669	114897	115124
	18	115350	115574	115798	116021	116243	116463	116683	116902	117120	117337	117553	117768
	19	117983	118196	118409	118621	118832	119042	119251	119460	119668	119875	120082	120288
	20	120493	120697	120901	121104	121307	121509	121710	121911	122111	122310	122509	122708
	21	122906	123104	123301	123497	123693	123889	124085	124280	124474	124668	124862	125056
	22	125249	125442	125634	125826	126018	126210	126401	126592	126783	126974	127165	127355
	23	127545	127735	127925	128115	128304	128494	128683	128873	129062	129251	129440	129629
	24	129818	130008	130197	130386	130575	130764	130953	131142	131331	131520	131709	131898
	25	132087	132276	132464	132653	132842	133031	133220	133409	133598	133787	133975	134164
	26	134353	134542	134731	134919	135108	135297	135485	135674	135863	136052	136240	136429
	27	136618	136806	136995	137183	137372	137561	137749	137938	138126	138315	138503	138692
	28	138880	139069	139257	139446	139634	139822	140011	140199	140388	140576	140764	140953
	29	141141	141329	141518	141706	141894	142083	142271	142459	142647	142835	143024	143212
	30	143400	143588	143776	143964	144153	144341	144529	144717	144905	145093	145281	145469
	31	145657	145845	146033	146221	146409	146597	146785	146973	147161	147349	147537	147725
	32	147913	148100	148288	148476	148664	148852	149040	149227	149415	149603	149791	149978
	33	150166	150354	150541	150729	150917	151104	151292	151480	151667	151855	152043	152230
	34	152418	152605	152793	152980	153168	153355	153543	153730	153918	154105	154293	154480
	35	154668	154855	155042	155230	155417	155604	155792	155979	156166	156354	156541	156728
	36	156915	157103	157290	157477	157664	157851	158038	158224	158409	158594	158777	158959
37	159138	159315	159489	159658	159821	159976	160044						

**SOUNDING TABLE for  
Fuel Tank**  
Volume in Gallons

		Inches											
		0	1	2	3	4	5	6	7	8	9	10	11
Feet	0	0	256	443	630	816	1003	1190	1377	1563	1750	1937	2124
	1	2310	2497	2684	2871	3057	3244	3431	3617	3804	3991	4178	4364
	2	4551	4738	4925	5111	5298	5485	5672	5858	6045	6232	6419	6605
	3	6792	6979	7165	7352	7539	7726	7912	8099	8286	8473	8659	8846
	4	9033	9220	9406	9593	9780	9967	10153	10340	10527	10713	10900	11087
	5	11274	11460	11647	11834	12021	12207	12394	12581	12768	12954	13141	13328
	6	13515	13701	13888	14075	14261	14448	14635	14822	15008	15195	15382	15569
	7	15755	15942	16129	16316	16502	16689	16876	17063	17249	17436	17623	17809
	8	17996	18183	18370	18556	18743	18930	19117	19303	19490	19677	19864	20050
	9	20237	20424	20611	20797	20984	21171	21357	21544	21731	21918	22104	22291
	10	22478	22665	22851	23038	23225	23412	23598	23785	23972	24159	24345	24532
	11	24719	24905	25092	25279	25425	25488						
	12												
	13												
	14												
	15												
	16												
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	35												
	36												
37													

Tank		Oil #1 PORT											
Specific Gravity		1											
Trim		0											
Capacity		9,966 BBL											
Label(s)		Oil#1.p											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
0' 1	35' 5	0	1404	33	5316	5	5	65	7	5	29	338	1119
0' 2	35' 4	0	2125	51	8043	8	8	65	8	6	44	512	1800
0' 3	35' 3	0	2905	69	10997	11	11	65	9	6	60	701	2080
0' 4	35' 2	0	3712	88	14050	14	14	65	10	6	77	898	2319
0' 5	35' 1	0	4544	108	17200	17	17	65	10	6	96	1101	2557
0' 6	35' 0	0	5398	129	20435	20	20	65	11	6	114	1309	2723
0' 7	34' 11	0	6272	149	23740	24	23	65	11	6	134	1522	2842
0' 8	34' 10	0	7160	170	27104	27	27	65	11	6	154	1738	2933
0' 9	34' 9	0	8063	192	30521	31	30	65	12	6	175	1957	3007
0' 10	34' 8	0	8978	214	33984	34	33	65	12	6	196	2178	3069
0' 11	34' 7	0	9904	236	37491	37	37	65	12	6	218	2401	3123
1' 0	34' 6	0	10841	258	41037	41	40	65	12	6	241	2627	3169
1' 1	34' 5	0	11788	281	44621	45	44	65	12	6	264	2854	3209
1' 2	34' 4	0	12743	303	48239	48	47	65	12	6	287	3083	3245
1' 3	34' 3	0	13708	326	51889	52	51	65	12	6	312	3313	3277
1' 4	34' 2	0	14680	350	55569	56	55	65	13	6	336	3544	3305
1' 5	34' 1	0	15659	373	59277	59	58	65	13	6	361	3778	3331
1' 6	34' 0	0	16646	396	63012	63	62	65	13	6	386	4011	3355
1' 7	33' 11	0	17639	420	66770	67	66	65	13	6	413	4246	3375
1' 8	33' 10	0	18638	444	70552	71	69	65	13	6	439	4483	3393
1' 9	33' 9	0	19642	468	74354	74	73	64	13	6	465	4719	3410
1' 10	33' 8	0	20652	492	78177	78	77	64	13	6	493	4957	3426
1' 11	33' 7	0	21667	516	82018	82	81	64	13	6	521	5196	3440
2' 0	33' 6	0	22686	540	85876	86	85	64	13	7	549	5435	3453
2' 1	33' 5	0	23709	565	89750	90	88	64	13	7	578	5674	3465
2' 2	33' 4	0	24737	589	93639	94	92	64	13	7	607	5916	3477
2' 3	33' 3	0	25768	614	97541	98	96	64	13	7	636	6156	3488
2' 4	33' 2	0	26802	638	101457	101	100	64	13	7	666	6397	3497
2' 5	33' 1	0	27840	663	105384	105	104	64	13	7	697	6640	3507
2' 6	33' 0	0	28880	688	109322	109	108	64	13	7	727	6881	3515
2' 7	32' 11	0	29923	712	113270	113	111	64	13	7	759	7125	3523
2' 8	32' 10	0	30968	737	117226	117	115	64	13	7	790	7368	3530
2' 9	32' 9	0	32015	762	121191	121	119	64	13	7	822	7611	3537

Tank		Oil #1 PORT											
Specific Gravity		1											
Trim		0											
Capacity		9,966 BBL											
Label(s)		Oil#1.p											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
2' 10	32' 8	0	33064	787	125162	125	123	64	14	7	855	7854	3544
2' 11	32' 7	0	34115	812	129140	129	127	64	14	7	887	8099	3550
3' 0	32' 6	0	35167	837	133123	133	131	64	14	7	920	8342	3556
3' 1	32' 5	8.65%	36,221	862	137,111	137.11	134.94	63.63	13.61	7.07	954.0	8,586	3,560.9
3' 2	32' 4	8.91%	37,275	888	141,102	141.10	138.87	63.59	13.64	7.11	987.4	8,831	3,565.7
3' 3	32' 3	9.16%	38,330	913	145,096	145.10	142.80	63.55	13.66	7.15	1,021.0	9,075	3,570.3
3' 4	32' 2	9.41%	39,386	938	149,093	149.09	146.73	63.52	13.69	7.20	1,056.5	9,320	3,574.5
3' 5	32' 1	9.66%	40,443	963	153,092	153.09	150.67	63.48	13.71	7.24	1,090.9	9,565	3,578.7
3' 6	32' 0	9.91%	41,500	988	157,093	157.09	154.61	63.45	13.74	7.28	1,125.6	9,810	3,582.8
3' 7	31' 11	10.17%	42,557	1,013	161,096	161.10	158.55	63.42	13.76	7.33	1,162.2	10,055	3,586.8
3' 8	31' 10	10.42%	43,615	1,038	165,102	165.10	162.49	63.39	13.78	7.37	1,197.6	10,300	3,590.8
3' 9	31' 9	10.67%	44,674	1,064	169,109	169.11	166.43	63.36	13.80	7.41	1,233.2	10,545	3,594.7
3' 10	31' 8	10.93%	45,733	1,089	173,119	173.12	170.38	63.33	13.82	7.46	1,271.0	10,790	3,598.5
3' 11	31' 7	11.18%	46,793	1,114	177,131	177.13	174.33	63.30	13.84	7.50	1,307.5	11,035	3,602.1
4' 0	31' 6	11.43%	47,853	1,139	181,145	181.15	178.28	63.28	13.85	7.54	1,344.2	11,282	3,605.8
4' 1	31' 5	11.69%	48,914	1,165	185,161	185.16	182.23	63.25	13.87	7.59	1,383.1	11,526	3,609.3
4' 2	31' 4	11.94%	49,976	1,190	189,179	189.18	186.19	63.23	13.89	7.63	1,420.6	11,773	3,612.8
4' 3	31' 3	12.19%	51,038	1,215	193,199	193.20	190.14	63.21	13.90	7.67	1,458.4	12,019	3,616.2
4' 4	31' 2	12.45%	52,100	1,240	197,221	197.22	194.10	63.19	13.92	7.71	1,496.5	12,265	3,619.4
4' 5	31' 1	12.70%	53,163	1,266	201,245	201.24	198.06	63.16	13.93	7.76	1,536.9	12,509	3,622.7
4' 6	31' 0	12.96%	54,227	1,291	205,271	205.27	202.02	63.14	13.95	7.80	1,575.8	12,756	3,625.8
4' 7	30' 11	13.21%	55,291	1,316	209,298	209.30	205.99	63.12	13.96	7.84	1,615.0	13,002	3,628.9
4' 8	30' 10	13.46%	56,355	1,342	213,328	213.33	209.95	63.10	13.97	7.89	1,656.5	13,248	3,631.9
4' 9	30' 9	13.72%	57,420	1,367	217,359	217.36	213.92	63.08	13.99	7.93	1,696.4	13,494	3,634.8
4' 10	30' 8	13.97%	58,486	1,393	221,392	221.39	217.89	63.07	14.00	7.97	1,736.6	13,742	3,637.6
4' 11	30' 7	14.23%	59,552	1,418	225,427	225.43	221.86	63.05	14.01	8.01	1,777.1	13,988	3,640.4
5' 0	30' 6	14.48%	60,618	1,443	229,464	229.46	225.83	63.03	14.03	8.06	1,820.2	14,234	3,643.0
5' 1	30' 5	14.74%	61,685	1,469	233,502	233.50	229.81	63.01	14.04	8.10	1,861.5	14,480	3,645.6
5' 2	30' 4	14.99%	62,752	1,494	237,542	237.54	233.78	63.00	14.05	8.14	1,903.0	14,728	3,648.2
5' 3	30' 3	15.25%	63,820	1,520	241,583	241.58	237.76	62.98	14.06	8.18	1,944.9	14,974	3,650.5
5' 4	30' 2	15.50%	64,888	1,545	245,626	245.63	241.74	62.96	14.07	8.23	1,989.5	15,220	3,652.9
5' 5	30' 1	15.76%	65,956	1,570	249,671	249.67	245.72	62.95	14.08	8.27	2,032.1	15,468	3,655.2
5' 6	30' 0	16.01%	67,025	1,596	253,717	253.72	249.70	62.93	14.09	8.31	2,075.0	15,714	3,657.5

Tank		Oil #1 PORT											
Specific Gravity		1											
Trim		0											
Capacity		9,966 BBL											
Label(s)		Oil#1.p											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
5' 7	29' 11	16.27%	68,094	1,621	257,765	257.76	<b>253.69</b>	62.92	14.10	8.35	<b>2,118.3</b>	<b>15,962</b>	3,659.5
5' 8	29' 10	16.52%	69,164	1,647	261,814	261.81	<b>257.67</b>	62.91	14.11	8.40	<b>2,164.4</b>	<b>16,210</b>	3,661.6
5' 9	29' 9	16.78%	70,234	1,672	265,865	265.86	<b>261.66</b>	62.89	14.12	8.44	<b>2,208.4</b>	<b>16,456</b>	3,663.7
5' 10	29' 8	17.04%	71,304	1,698	269,917	269.92	<b>265.65</b>	62.88	14.13	8.48	<b>2,252.7</b>	<b>16,704</b>	3,665.6
5' 11	29' 7	17.29%	72,375	1,723	273,970	273.97	<b>269.64</b>	62.86	14.14	8.52	<b>2,297.3</b>	<b>16,950</b>	3,667.4
6' 0	29' 6	17.55%	73,446	1,749	278,025	278.02	<b>273.63</b>	62.85	14.15	8.57	<b>2,345.0</b>	<b>17,198</b>	3,669.3
6' 1	29' 5	17.80%	74,518	1,774	282,081	282.08	<b>277.62</b>	62.84	14.16	8.61	<b>2,390.3</b>	<b>17,446</b>	3,671.1
6' 2	29' 4	18.06%	75,590	1,800	286,138	286.14	<b>281.61</b>	62.83	14.16	8.65	<b>2,435.9</b>	<b>17,694</b>	3,672.7
6' 3	29' 3	18.32%	76,662	1,825	290,197	290.20	<b>285.61</b>	62.81	14.17	8.69	<b>2,482.0</b>	<b>17,939</b>	3,674.3
6' 4	29' 2	18.57%	77,734	1,851	294,257	294.26	<b>289.60</b>	62.80	14.18	8.74	<b>2,531.1</b>	<b>18,187</b>	3,676.0
6' 5	29' 1	18.83%	78,807	1,876	298,318	298.32	<b>293.60</b>	62.79	14.19	8.78	<b>2,577.8</b>	<b>18,435</b>	3,677.4
6' 6	29' 0	19.08%	79,880	1,902	302,380	302.38	<b>297.60</b>	62.78	14.20	8.82	<b>2,624.8</b>	<b>18,683</b>	3,678.9
6' 7	28' 11	19.34%	80,954	1,927	306,443	306.44	<b>301.60</b>	62.77	14.20	8.86	<b>2,672.2</b>	<b>18,931</b>	3,680.3
6' 8	28' 10	19.60%	82,027	1,953	310,508	310.51	<b>305.60</b>	62.76	14.21	8.91	<b>2,722.9</b>	<b>19,179</b>	3,681.7
6' 9	28' 9	19.85%	83,101	1,979	314,573	314.57	<b>309.60</b>	62.75	14.22	8.95	<b>2,770.9</b>	<b>19,427</b>	3,683.0
6' 10	28' 8	20.11%	84,176	2,004	318,640	318.64	<b>313.60</b>	62.73	14.23	8.99	<b>2,819.3</b>	<b>19,672</b>	3,684.2
6' 11	28' 7	20.37%	85,250	2,030	322,707	322.71	<b>317.60</b>	62.72	14.23	9.03	<b>2,867.9</b>	<b>19,920</b>	3,685.4
7' 0	28' 6	20.62%	86,325	2,055	326,776	326.78	<b>321.61</b>	62.71	14.24	9.08	<b>2,920.2</b>	<b>20,168</b>	3,686.6
7' 1	28' 5	20.88%	87,400	2,081	330,845	330.85	<b>325.61</b>	62.70	14.25	9.12	<b>2,969.6</b>	<b>20,416</b>	3,687.7
7' 2	28' 4	21.14%	88,475	2,107	334,916	334.92	<b>329.62</b>	62.69	14.25	9.16	<b>3,019.3</b>	<b>20,664</b>	3,688.7
7' 3	28' 3	21.40%	89,551	2,132	338,987	338.99	<b>333.63</b>	62.68	14.26	9.20	<b>3,069.4</b>	<b>20,912</b>	3,689.7
7' 4	28' 2	21.65%	90,627	2,158	343,059	343.06	<b>337.63</b>	62.67	14.27	9.25	<b>3,123.1</b>	<b>21,159</b>	3,690.7
7' 5	28' 1	21.91%	91,703	2,183	347,132	347.13	<b>341.64</b>	62.66	14.27	9.29	<b>3,173.8</b>	<b>21,407</b>	3,691.7
7' 6	28' 0	22.17%	92,779	2,209	351,206	351.21	<b>345.65</b>	62.66	14.28	9.33	<b>3,224.9</b>	<b>21,658</b>	3,692.5
7' 7	27' 11	22.42%	93,855	2,235	355,281	355.28	<b>349.66</b>	62.65	14.28	9.37	<b>3,276.3</b>	<b>21,906</b>	3,693.4
7' 8	27' 10	22.68%	94,932	2,260	359,356	359.36	<b>353.67</b>	62.64	14.29	9.41	<b>3,328.0</b>	<b>22,154</b>	3,694.2
7' 9	27' 9	22.94%	96,009	2,286	363,433	363.43	<b>357.68</b>	62.63	14.30	9.46	<b>3,383.7</b>	<b>22,401</b>	3,695.0
7' 10	27' 8	23.20%	97,086	2,312	367,510	367.51	<b>361.70</b>	62.62	14.30	9.50	<b>3,436.2</b>	<b>22,650</b>	3,695.8
7' 11	27' 7	23.45%	98,163	2,337	371,587	371.59	<b>365.71</b>	62.61	14.31	9.54	<b>3,488.9</b>	<b>22,897</b>	3,696.4
8' 0	27' 6	23.71%	99,240	2,363	375,666	375.67	<b>369.72</b>	62.60	14.31	9.58	<b>3,541.9</b>	<b>23,144</b>	3,697.1
8' 1	27' 5	23.97%	100,318	2,389	379,745	379.74	<b>373.74</b>	62.59	14.32	9.63	<b>3,599.1</b>	<b>23,392</b>	3,697.7
8' 2	27' 4	24.23%	101,396	2,414	383,824	383.82	<b>377.75</b>	62.59	14.32	9.67	<b>3,652.8</b>	<b>23,643</b>	3,698.4
8' 3	27' 3	24.48%	102,474	2,440	387,904	387.90	<b>381.77</b>	62.58	14.33	9.71	<b>3,707.0</b>	<b>23,891</b>	3,699.0

Tank		Oil #1 PORT											
Specific Gravity		1											
Trim		0											
Capacity		9,966 BBL											
Label(s)		Oil#1.p											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
8' 4	27' 2	24.74%	103,552	2,466	391,985	391.99	<b>385.79</b>	62.57	14.33	9.75	<b>3,761.5</b>	<b>24,139</b>	3,699.5
8' 5	27' 1	25.00%	104,630	2,491	396,066	396.07	<b>389.80</b>	62.56	14.34	9.79	<b>3,816.1</b>	<b>24,386</b>	3,700.0
8' 6	27' 0	25.26%	105,708	2,517	400,148	400.15	<b>393.82</b>	62.55	14.34	9.84	<b>3,875.2</b>	<b>24,633</b>	3,700.5
8' 7	26' 11	25.51%	106,786	2,543	404,230	404.23	<b>397.84</b>	62.55	14.35	9.88	<b>3,930.7</b>	<b>24,885</b>	3,701.0
8' 8	26' 10	25.77%	107,865	2,568	408,313	408.31	<b>401.86</b>	62.54	14.35	9.92	<b>3,986.5</b>	<b>25,132</b>	3,701.4
8' 9	26' 9	26.03%	108,944	2,594	412,396	412.40	<b>405.87</b>	62.53	14.36	9.96	<b>4,042.5</b>	<b>25,379</b>	3,701.7
8' 10	26' 8	26.29%	110,022	2,620	416,480	416.48	<b>409.89</b>	62.53	14.36	10.01	<b>4,103.0</b>	<b>25,630</b>	3,702.1
8' 11	26' 7	26.54%	111,101	2,645	420,564	420.56	<b>413.91</b>	62.52	14.37	10.05	<b>4,159.8</b>	<b>25,878</b>	3,702.5
9' 0	26' 6	26.80%	112,180	2,671	424,649	424.65	<b>417.93</b>	62.51	14.37	10.09	<b>4,216.9</b>	<b>26,125</b>	3,702.8
9' 1	26' 5	27.06%	113,259	2,697	428,733	428.73	<b>421.95</b>	62.50	14.37	10.13	<b>4,274.4</b>	<b>26,372</b>	3,703.1
9' 2	26' 4	27.32%	114,339	2,722	432,819	432.82	<b>425.97</b>	62.50	14.38	10.18	<b>4,336.4</b>	<b>26,623</b>	3,703.3
9' 3	26' 3	27.58%	115,418	2,748	436,904	436.90	<b>429.99</b>	62.49	14.38	10.22	<b>4,394.5</b>	<b>26,870</b>	3,703.6
9' 4	26' 2	27.83%	116,497	2,774	440,989	440.99	<b>434.01</b>	62.48	14.39	10.26	<b>4,452.9</b>	<b>27,117</b>	3,703.8
9' 5	26' 1	28.09%	117,577	2,799	445,075	445.08	<b>438.04</b>	62.48	14.39	10.30	<b>4,511.8</b>	<b>27,369</b>	3,704.1
9' 6	26' 0	28.35%	118,656	2,825	449,162	449.16	<b>442.06</b>	62.47	14.39	10.34	<b>4,570.9</b>	<b>27,615</b>	3,704.2
9' 7	25' 11	28.61%	119,736	2,851	453,248	453.25	<b>446.08</b>	62.47	14.40	10.39	<b>4,634.8</b>	<b>27,867</b>	3,704.3
9' 8	25' 10	28.86%	120,815	2,877	457,335	457.33	<b>450.10</b>	62.46	14.40	10.43	<b>4,694.5</b>	<b>28,113</b>	3,704.5
9' 9	25' 9	29.12%	121,895	2,902	461,422	461.42	<b>454.12</b>	62.45	14.41	10.47	<b>4,754.6</b>	<b>28,360</b>	3,704.6
9' 10	25' 8	29.38%	122,974	2,928	465,508	465.51	<b>458.15</b>	62.45	14.41	10.51	<b>4,815.2</b>	<b>28,611</b>	3,704.7
9' 11	25' 7	29.64%	124,054	2,954	469,595	469.60	<b>462.17</b>	62.44	14.41	10.55	<b>4,875.9</b>	<b>28,858</b>	3,704.8
10' 0	25' 6	29.90%	125,134	2,979	473,682	473.68	<b>466.19</b>	62.44	14.42	10.60	<b>4,941.6</b>	<b>29,109</b>	3,704.8
10' 1	25' 5	30.15%	126,213	3,005	477,769	477.77	<b>470.21</b>	62.43	14.42	10.64	<b>5,003.0</b>	<b>29,355</b>	3,704.9
10' 2	25' 4	30.41%	127,293	3,031	481,856	481.86	<b>474.24</b>	62.42	14.42	10.68	<b>5,064.9</b>	<b>29,602</b>	3,704.9
10' 3	25' 3	30.67%	128,373	3,056	485,944	485.94	<b>478.26</b>	62.42	14.43	10.72	<b>5,126.9</b>	<b>29,853</b>	3,704.9
10' 4	25' 2	30.93%	129,453	3,082	490,031	490.03	<b>482.28</b>	62.41	14.43	10.77	<b>5,194.2</b>	<b>30,099</b>	3,704.9
10' 5	25' 1	31.19%	130,532	3,108	494,118	494.12	<b>486.30</b>	62.41	14.43	10.81	<b>5,256.9</b>	<b>30,350</b>	3,704.9
10' 6	25' 0	31.44%	131,612	3,134	498,205	498.21	<b>490.33</b>	62.40	14.44	10.85	<b>5,320.1</b>	<b>30,597</b>	3,704.9
10' 7	24' 11	31.70%	132,692	3,159	502,292	502.29	<b>494.35</b>	62.40	14.44	10.89	<b>5,383.5</b>	<b>30,847</b>	3,704.9
10' 8	24' 10	31.96%	133,771	3,185	506,380	506.38	<b>498.37</b>	62.39	14.44	10.93	<b>5,447.2</b>	<b>31,093</b>	3,705.0
10' 9	24' 9	32.22%	134,851	3,211	510,467	510.47	<b>502.39</b>	62.39	14.45	10.98	<b>5,516.2</b>	<b>31,344</b>	3,705.0
10' 10	24' 8	32.48%	135,931	3,236	514,554	514.55	<b>506.42</b>	62.38	14.45	11.02	<b>5,580.7</b>	<b>31,590</b>	3,705.0
10' 11	24' 7	32.73%	137,011	3,262	518,641	518.64	<b>510.44</b>	62.38	14.45	11.06	<b>5,645.5</b>	<b>31,841</b>	3,705.0
11' 0	24' 6	32.99%	138,090	3,288	522,729	522.73	<b>514.46</b>	62.37	14.46	11.10	<b>5,710.5</b>	<b>32,087</b>	3,705.0

Tank		Oil #1 PORT											
Specific Gravity		1											
Trim		0											
Capacity		9,966 BBL											
Label(s)		Oil#1.p											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
11' 1	24' 5	33.25%	139,170	3,314	526,816	526.82	518.48	62.37	14.46	11.14	5,775.9	32,338	3,705.0
11' 2	24' 4	33.51%	140,250	3,339	530,903	530.90	522.51	62.36	14.46	11.19	5,846.9	32,584	3,705.0
11' 3	24' 3	33.77%	141,330	3,365	534,990	534.99	526.53	62.36	14.46	11.23	5,912.9	32,834	3,705.0
11' 4	24' 2	34.02%	142,409	3,391	539,077	539.08	530.55	62.36	14.47	11.27	5,979.3	33,085	3,705.0
11' 5	24' 1	34.28%	143,489	3,416	543,165	543.16	534.57	62.35	14.47	11.31	6,046.0	33,330	3,705.0
11' 6	24' 0	34.54%	144,569	3,442	547,252	547.25	538.60	62.35	14.47	11.35	6,113.1	33,582	3,705.0
11' 7	23' 11	34.80%	145,648	3,468	551,339	551.34	542.62	62.34	14.47	11.40	6,185.9	33,827	3,705.0
11' 8	23' 10	35.06%	146,728	3,494	555,426	555.43	546.64	62.34	14.48	11.44	6,253.6	34,078	3,705.0
11' 9	23' 9	35.31%	147,808	3,519	559,513	559.51	550.66	62.33	14.48	11.48	6,321.6	34,323	3,705.0
11' 10	23' 8	35.57%	148,888	3,545	563,600	563.60	554.69	62.33	14.48	11.52	6,390.0	34,574	3,705.0
11' 11	23' 7	35.83%	149,967	3,571	567,688	567.69	558.71	62.33	14.48	11.56	6,458.7	34,824	3,705.0
12' 0	23' 6	36.09%	151,047	3,596	571,775	571.78	562.73	62.32	14.49	11.61	6,533.3	35,069	3,705.0
12' 1	23' 5	36.35%	152,127	3,622	575,862	575.86	566.75	62.32	14.49	11.65	6,602.6	35,320	3,705.0
12' 2	23' 4	36.60%	153,206	3,648	579,949	579.95	570.78	62.31	14.49	11.69	6,672.4	35,565	3,705.0
12' 3	23' 3	36.86%	154,286	3,673	584,036	584.04	574.80	62.31	14.49	11.73	6,742.4	35,816	3,705.0
12' 4	23' 2	37.12%	155,366	3,699	588,124	588.12	578.82	62.31	14.50	11.77	6,812.7	36,066	3,705.0
12' 5	23' 1	37.38%	156,446	3,725	592,211	592.21	582.85	62.30	14.50	11.82	6,889.3	36,312	3,705.0
12' 6	23' 0	37.64%	157,525	3,751	596,299	596.30	586.87	62.30	14.50	11.86	6,960.3	36,562	3,705.0
12' 7	22' 11	37.89%	158,605	3,776	600,386	600.39	590.89	62.30	14.50	11.90	7,031.6	36,812	3,705.0
12' 8	22' 10	38.15%	159,685	3,802	604,473	604.47	594.91	62.29	14.51	11.94	7,103.2	37,057	3,705.0
12' 9	22' 9	38.41%	160,765	3,828	608,560	608.56	598.94	62.29	14.51	11.98	7,175.3	37,308	3,705.1
12' 10	22' 8	38.67%	161,844	3,853	612,647	612.65	602.96	62.29	14.51	12.03	7,253.6	37,558	3,705.1
12' 11	22' 7	38.93%	162,924	3,879	616,734	616.73	606.98	62.28	14.51	12.07	7,326.2	37,803	3,705.1
13' 0	22' 6	39.18%	164,004	3,905	620,822	620.82	611.0	62.28	14.51	12.11	7,399.2	38,053	3,705.1
13' 1	22' 5	39.44%	165,084	3,931	624,909	624.91	615.03	62.28	14.52	12.15	7,472.6	38,304	3,705.1
13' 2	22' 4	39.70%	166,163	3,956	628,996	629.0	619.05	62.27	14.52	12.19	7,546.2	38,548	3,705.1
13' 3	22' 3	39.96%	167,243	3,982	633,083	633.08	623.07	62.27	14.52	12.24	7,626.4	38,799	3,705.1
13' 4	22' 2	40.21%	168,323	4,008	637,171	637.17	627.09	62.27	14.52	12.28	7,700.7	39,049	3,705.1
13' 5	22' 1	40.47%	169,402	4,033	641,258	641.26	631.12	62.26	14.52	12.32	7,775.4	39,294	3,705.1
13' 6	22' 0	40.73%	170,482	4,059	645,345	645.35	635.14	62.26	14.53	12.36	7,850.3	39,544	3,705.1
13' 7	21' 11	40.99%	171,562	4,085	649,432	649.43	639.16	62.26	14.53	12.40	7,925.6	39,794	3,705.1
13' 8	21' 10	41.25%	172,642	4,111	653,520	653.52	643.18	62.25	14.53	12.44	8,001.2	40,038	3,705.1
13' 9	21' 9	41.50%	173,721	4,136	657,607	657.61	647.21	62.25	14.53	12.49	8,083.7	40,289	3,705.1

Tank		Oil #1 PORT											
Specific Gravity		1											
Trim		0											
Capacity		9,966 BBL											
Label(s)		Oil#1.p											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
13' 10	21' 8	41.76%	174,801	4,162	661,694	661.69	<b>651.23</b>	62.25	14.53	12.53	<b>8,159.9</b>	<b>40,539</b>	3,705.1
13' 11	21' 7	42.02%	175,881	4,188	665,781	665.78	<b>655.25</b>	62.24	14.53	12.57	<b>8,236.5</b>	<b>40,783</b>	3,705.1
14' 0	21' 6	42.28%	176,961	4,213	669,868	669.87	<b>659.27</b>	62.24	14.54	12.61	<b>8,313.4</b>	<b>41,033</b>	3,705.1
14' 1	21' 5	42.54%	178,040	4,239	673,955	673.96	<b>663.30</b>	62.24	14.54	12.65	<b>8,390.7</b>	<b>41,284</b>	3,705.1
14' 2	21' 4	42.79%	179,120	4,265	678,043	678.04	<b>667.32</b>	62.24	14.54	12.70	<b>8,475.0</b>	<b>41,534</b>	3,705.1
14' 3	21' 3	43.05%	180,200	4,290	682,130	682.13	<b>671.34</b>	62.23	14.54	12.74	<b>8,552.9</b>	<b>41,777</b>	3,705.1
14' 4	21' 2	43.31%	181,279	4,316	686,217	686.22	<b>675.36</b>	62.23	14.54	12.78	<b>8,631.1</b>	<b>42,028</b>	3,705.1
14' 5	21' 1	43.57%	182,359	4,342	690,305	690.30	<b>679.39</b>	62.23	14.55	12.82	<b>8,709.8</b>	<b>42,278</b>	3,705.1
14' 6	21' 0	43.83%	183,439	4,368	694,392	694.39	<b>683.41</b>	62.23	14.55	12.86	<b>8,788.7</b>	<b>42,529</b>	3,705.1
14' 7	20' 11	44.08%	184,519	4,393	698,479	698.48	<b>687.43</b>	62.22	14.55	12.91	<b>8,874.7</b>	<b>42,772</b>	3,705.1
14' 8	20' 10	44.34%	185,598	4,419	702,566	702.57	<b>691.45</b>	62.22	14.55	12.95	<b>8,954.3</b>	<b>43,022</b>	3,705.1
14' 9	20' 9	44.60%	186,678	4,445	706,654	706.65	<b>695.48</b>	62.22	14.55	12.99	<b>9,034.3</b>	<b>43,273</b>	3,705.1
14' 10	20' 8	44.86%	187,758	4,470	710,741	710.74	<b>699.50</b>	62.22	14.55	13.03	<b>9,114.5</b>	<b>43,523</b>	3,705.2
14' 11	20' 7	45.12%	188,838	4,496	714,828	714.83	<b>703.52</b>	62.21	14.55	13.07	<b>9,195.0</b>	<b>43,766</b>	3,705.2
15' 0	20' 6	45.37%	189,917	4,522	718,915	718.92	<b>707.55</b>	62.21	14.56	13.11	<b>9,276.0</b>	<b>44,017</b>	3,705.2
15' 1	20' 5	45.63%	190,997	4,548	723,003	723.0	<b>711.57</b>	62.21	14.56	13.16	<b>9,364.3</b>	<b>44,267</b>	3,705.2
15' 2	20' 4	45.89%	192,077	4,573	727,090	727.09	<b>715.59</b>	62.21	14.56	13.20	<b>9,445.8</b>	<b>44,517</b>	3,705.2
15' 3	20' 3	46.15%	193,157	4,599	731,177	731.18	<b>719.61</b>	62.20	14.56	13.24	<b>9,527.6</b>	<b>44,760</b>	3,705.2
15' 4	20' 2	46.41%	194,236	4,625	735,264	735.26	<b>723.64</b>	62.20	14.56	13.28	<b>9,609.9</b>	<b>45,010</b>	3,705.2
15' 5	20' 1	46.66%	195,316	4,650	739,351	739.35	<b>727.66</b>	62.20	14.56	13.32	<b>9,692.4</b>	<b>45,260</b>	3,705.2
15' 6	20' 0	46.92%	196,396	4,676	743,439	743.44	<b>731.68</b>	62.20	14.57	13.37	<b>9,782.6</b>	<b>45,510</b>	3,705.2
15' 7	19' 11	47.18%	197,476	4,702	747,526	747.53	<b>735.70</b>	62.19	14.57	13.41	<b>9,865.7</b>	<b>45,753</b>	3,705.2
15' 8	19' 10	47.44%	198,555	4,728	751,614	751.61	<b>739.73</b>	62.19	14.57	13.45	<b>9,949.4</b>	<b>46,004</b>	3,705.2
15' 9	19' 9	47.70%	199,635	4,753	755,701	755.70	<b>743.75</b>	62.19	14.57	13.49	<b>10,033.2</b>	<b>46,254</b>	3,705.2
15' 10	19' 8	47.95%	200,715	4,779	759,788	759.79	<b>747.77</b>	62.19	14.57	13.53	<b>10,117.3</b>	<b>46,504</b>	3,705.2
15' 11	19' 7	48.21%	201,795	4,805	763,875	763.88	<b>751.79</b>	62.18	14.57	13.58	<b>10,209.3</b>	<b>46,746</b>	3,705.2
16' 0	19' 6	48.47%	202,874	4,830	767,962	767.96	<b>755.82</b>	62.18	14.57	13.62	<b>10,294.3</b>	<b>46,997</b>	3,705.2
16' 1	19' 5	48.73%	203,954	4,856	772,049	772.05	<b>759.84</b>	62.18	14.57	13.66	<b>10,379.4</b>	<b>47,247</b>	3,705.2
16' 2	19' 4	48.99%	205,034	4,882	776,137	776.14	<b>763.86</b>	62.18	14.58	13.70	<b>10,464.9</b>	<b>47,497</b>	3,705.2
16' 3	19' 3	49.24%	206,114	4,907	780,224	780.22	<b>767.88</b>	62.18	14.58	13.74	<b>10,550.7</b>	<b>47,747</b>	3,705.2
16' 4	19' 2	49.50%	207,193	4,933	784,312	784.31	<b>771.91</b>	62.17	14.58	13.78	<b>10,636.9</b>	<b>47,990</b>	3,705.2
16' 5	19' 1	49.76%	208,273	4,959	788,399	788.40	<b>775.93</b>	62.17	14.58	13.83	<b>10,731.1</b>	<b>48,240</b>	3,705.2
16' 6	19' 0	50.02%	209,353	4,985	792,486	792.49	<b>779.95</b>	62.17	14.58	13.87	<b>10,817.9</b>	<b>48,489</b>	3,705.2



Tank		Oil #1 PORT											
Specific Gravity		1											
Trim		0											
Capacity		9,966 BBL											
Label(s)		Oil#1.p											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
16' 7	18' 11	50.28%	210,432	5,010	796,573	796.57	<b>783.98</b>	62.17	14.58	13.91	<b>10,905.2</b>	<b>48,740</b>	3,705.2
16' 8	18' 10	50.53%	211,512	5,036	800,661	800.66	<b>788.0</b>	62.17	14.58	13.95	<b>10,992.6</b>	<b>48,990</b>	3,705.2
16' 9	18' 9	50.79%	212,592	5,062	804,748	804.75	<b>792.02</b>	62.16	14.58	13.99	<b>11,080.4</b>	<b>49,232</b>	3,705.2
16' 10	18' 8	51.05%	213,672	5,087	808,835	808.84	<b>796.04</b>	62.16	14.59	14.04	<b>11,176.4</b>	<b>49,482</b>	3,705.3
16' 11	18' 7	51.31%	214,752	5,113	812,923	812.92	<b>800.07</b>	62.16	14.59	14.08	<b>11,265.0</b>	<b>49,732</b>	3,705.3
17' 0	18' 6	51.57%	215,831	5,139	817,010	817.01	<b>804.09</b>	62.16	14.59	14.12	<b>11,353.8</b>	<b>49,982</b>	3,705.3
17' 1	18' 5	51.82%	216,911	5,165	821,097	821.10	<b>808.11</b>	62.16	14.59	14.16	<b>11,442.8</b>	<b>50,232</b>	3,705.3
17' 2	18' 4	52.08%	217,991	5,190	825,185	825.18	<b>812.13</b>	62.15	14.59	14.20	<b>11,532.2</b>	<b>50,474</b>	3,705.3
17' 3	18' 3	52.34%	219,071	5,216	829,272	829.27	<b>816.16</b>	62.15	14.59	14.24	<b>11,622.1</b>	<b>50,724</b>	3,705.3
17' 4	18' 2	52.60%	220,150	5,242	833,360	833.36	<b>820.18</b>	62.15	14.59	14.29	<b>11,720.4</b>	<b>50,974</b>	3,705.3
17' 5	18' 1	52.86%	221,230	5,267	837,447	837.45	<b>824.20</b>	62.15	14.59	14.33	<b>11,810.8</b>	<b>51,224</b>	3,705.3
17' 6	18' 0	53.11%	222,310	5,293	841,534	841.53	<b>828.22</b>	62.15	14.60	14.37	<b>11,901.5</b>	<b>51,474</b>	3,705.3
17' 7	17' 11	53.37%	223,390	5,319	845,621	845.62	<b>832.25</b>	62.14	14.60	14.41	<b>11,992.7</b>	<b>51,716</b>	3,705.3
17' 8	17' 10	53.63%	224,469	5,345	849,709	849.71	<b>836.27</b>	62.14	14.60	14.45	<b>12,084.1</b>	<b>51,966</b>	3,705.3
17' 9	17' 9	53.89%	225,549	5,370	853,796	853.80	<b>840.29</b>	62.14	14.60	14.50	<b>12,184.2</b>	<b>52,216</b>	3,705.3
17' 10	17' 8	54.15%	226,629	5,396	857,883	857.88	<b>844.32</b>	62.14	14.60	14.54	<b>12,276.4</b>	<b>52,466</b>	3,705.3
17' 11	17' 7	54.40%	227,709	5,422	861,971	861.97	<b>848.34</b>	62.14	14.60	14.58	<b>12,368.8</b>	<b>52,716</b>	3,705.3
18' 0	17' 6	54.66%	228,788	5,447	866,058	866.06	<b>852.36</b>	62.14	14.60	14.62	<b>12,461.5</b>	<b>52,966</b>	3,705.3
18' 1	17' 5	54.92%	229,868	5,473	870,145	870.15	<b>856.38</b>	62.13	14.60	14.66	<b>12,554.5</b>	<b>53,207</b>	3,705.3
18' 2	17' 4	55.18%	230,948	5,499	874,233	874.23	<b>860.41</b>	62.13	14.60	14.70	<b>12,648.0</b>	<b>53,457</b>	3,705.3
18' 3	17' 3	55.44%	232,028	5,524	878,320	878.32	<b>864.43</b>	62.13	14.61	14.75	<b>12,750.3</b>	<b>53,707</b>	3,705.3
18' 4	17' 2	55.69%	233,107	5,550	882,407	882.41	<b>868.45</b>	62.13	14.61	14.79	<b>12,844.4</b>	<b>53,957</b>	3,705.3
18' 5	17' 1	55.95%	234,187	5,576	886,495	886.49	<b>872.47</b>	62.13	14.61	14.83	<b>12,938.7</b>	<b>54,207</b>	3,705.3
18' 6	17' 0	56.21%	235,267	5,602	890,582	890.58	<b>876.50</b>	62.13	14.61	14.87	<b>13,033.6</b>	<b>54,457</b>	3,705.3
18' 7	16' 11	56.47%	236,347	5,627	894,669	894.67	<b>880.52</b>	62.12	14.61	14.91	<b>13,128.6</b>	<b>54,698</b>	3,705.3
18' 8	16' 10	56.72%	237,426	5,653	898,757	898.76	<b>884.54</b>	62.12	14.61	14.96	<b>13,232.7</b>	<b>54,948</b>	3,705.3
18' 9	16' 9	56.98%	238,506	5,679	902,844	902.84	<b>888.57</b>	62.12	14.61	15.00	<b>13,328.6</b>	<b>55,198</b>	3,705.3
18' 10	16' 8	57.24%	239,586	5,704	906,931	906.93	<b>892.59</b>	62.12	14.61	15.04	<b>13,424.6</b>	<b>55,448</b>	3,705.3
18' 11	16' 7	57.50%	240,666	5,730	911,019	911.02	<b>896.61</b>	62.12	14.61	15.08	<b>13,520.9</b>	<b>55,697</b>	3,705.3
19' 0	16' 6	57.76%	241,745	5,756	915,106	915.11	<b>900.63</b>	62.12	14.61	15.12	<b>13,617.5</b>	<b>55,947</b>	3,705.4
19' 1	16' 5	58.01%	242,825	5,782	919,193	919.19	<b>904.66</b>	62.12	14.61	15.16	<b>13,714.6</b>	<b>56,197</b>	3,705.4
19' 2	16' 4	58.27%	243,905	5,807	923,281	923.28	<b>908.68</b>	62.11	14.62	15.21	<b>13,821.0</b>	<b>56,438</b>	3,705.4
19' 3	16' 3	58.53%	244,985	5,833	927,368	927.37	<b>912.70</b>	62.11	14.62	15.25	<b>13,918.7</b>	<b>56,688</b>	3,705.4

Tank		Oil #1 PORT												
Specific Gravity		1												
Trim		0												
Capacity		9,966 BBL												
Label(s)		Oil#1.p												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
19' 4	16' 2	58.79%	246,065	5,859	931,455	931.46	<b>916.72</b>	62.11	14.62	15.29	<b>14,016.6</b>	<b>56,937</b>	3,705.4	
19' 5	16' 1	59.05%	247,144	5,884	935,543	935.54	<b>920.75</b>	62.11	14.62	15.33	<b>14,115.1</b>	<b>57,188</b>	3,705.4	
19' 6	16' 0	59.30%	248,224	5,910	939,630	939.63	<b>924.77</b>	62.11	14.62	15.37	<b>14,213.7</b>	<b>57,437</b>	3,705.4	
19' 7	15' 11	59.56%	249,304	5,936	943,718	943.72	<b>928.79</b>	62.11	14.62	15.42	<b>14,321.9</b>	<b>57,687</b>	3,705.4	
19' 8	15' 10	59.82%	250,384	5,962	947,805	947.80	<b>932.81</b>	62.11	14.62	15.46	<b>14,421.2</b>	<b>57,937</b>	3,705.4	
19' 9	15' 9	60.08%	251,463	5,987	951,892	951.89	<b>936.84</b>	62.10	14.62	15.50	<b>14,521.0</b>	<b>58,178</b>	3,705.4	
19' 10	15' 8	60.34%	252,543	6,013	955,979	955.98	<b>940.86</b>	62.10	14.62	15.54	<b>14,621.0</b>	<b>58,427</b>	3,705.4	
19' 11	15' 7	60.59%	253,623	6,039	960,067	960.07	<b>944.88</b>	62.10	14.62	15.58	<b>14,721.2</b>	<b>58,677</b>	3,705.4	
20' 0	15' 6	60.85%	254,703	6,064	964,154	964.15	<b>948.91</b>	62.10	14.62	15.62	<b>14,822.0</b>	<b>58,927</b>	3,705.4	
20' 1	15' 5	61.11%	255,782	6,090	968,242	968.24	<b>952.93</b>	62.10	14.63	15.67	<b>14,932.4</b>	<b>59,177</b>	3,705.4	
20' 2	15' 4	61.37%	256,862	6,116	972,329	972.33	<b>956.95</b>	62.10	14.63	15.71	<b>15,033.7</b>	<b>59,427</b>	3,705.4	
20' 3	15' 3	61.63%	257,942	6,141	976,416	976.42	<b>960.97</b>	62.10	14.63	15.75	<b>15,135.3</b>	<b>59,676</b>	3,705.4	
20' 4	15' 2	61.88%	259,022	6,167	980,503	980.50	<b>965.0</b>	62.09	14.63	15.79	<b>15,237.4</b>	<b>59,917</b>	3,705.4	
20' 5	15' 1	62.14%	260,101	6,193	984,591	984.59	<b>969.02</b>	62.09	14.63	15.83	<b>15,339.6</b>	<b>60,166</b>	3,705.4	
20' 6	15' 0	62.40%	261,181	6,219	988,678	988.68	<b>973.04</b>	62.09	14.63	15.87	<b>15,442.1</b>	<b>60,416</b>	3,705.4	
20' 7	14' 11	62.66%	262,261	6,244	992,766	992.77	<b>977.06</b>	62.09	14.63	15.92	<b>15,554.8</b>	<b>60,666</b>	3,705.4	
20' 8	14' 10	62.92%	263,341	6,270	996,853	996.85	<b>981.09</b>	62.09	14.63	15.96	<b>15,658.2</b>	<b>60,916</b>	3,705.4	
20' 9	14' 9	63.17%	264,420	6,296	1,000,940	1,000.94	<b>985.11</b>	62.09	14.63	16.00	<b>15,761.8</b>	<b>61,165</b>	3,705.4	
20' 10	14' 8	63.43%	265,500	6,321	1,005,028	1,005.03	<b>989.13</b>	62.09	14.63	16.04	<b>15,865.6</b>	<b>61,415</b>	3,705.4	
20' 11	14' 7	63.69%	266,580	6,347	1,009,115	1,009.11	<b>993.16</b>	62.08	14.63	16.08	<b>15,970.0</b>	<b>61,655</b>	3,705.4	
21' 0	14' 6	63.95%	267,660	6,373	1,013,202	1,013.20	<b>997.18</b>	62.08	14.63	16.13	<b>16,084.5</b>	<b>61,905</b>	3,705.5	
21' 1	14' 5	64.21%	268,740	6,399	1,017,290	1,017.29	<b>1,001.20</b>	62.08	14.64	16.17	<b>16,189.4</b>	<b>62,154</b>	3,705.5	
21' 2	14' 4	64.46%	269,819	6,424	1,021,377	1,021.38	<b>1,005.22</b>	62.08	14.64	16.21	<b>16,294.6</b>	<b>62,404</b>	3,705.5	
21' 3	14' 3	64.72%	270,899	6,450	1,025,464	1,025.46	<b>1,009.25</b>	62.08	14.64	16.25	<b>16,400.3</b>	<b>62,654</b>	3,705.5	
21' 4	14' 2	64.98%	271,979	6,476	1,029,552	1,029.55	<b>1,013.27</b>	62.08	14.64	16.29	<b>16,506.2</b>	<b>62,904</b>	3,705.5	
21' 5	14' 1	65.24%	273,059	6,501	1,033,639	1,033.64	<b>1,017.29</b>	62.08	14.64	16.33	<b>16,612.3</b>	<b>63,153</b>	3,705.5	
21' 6	14' 0	65.50%	274,138	6,527	1,037,726	1,037.73	<b>1,021.31</b>	62.08	14.64	16.38	<b>16,729.1</b>	<b>63,403</b>	3,705.5	
21' 7	13' 11	65.75%	275,218	6,553	1,041,814	1,041.81	<b>1,025.34</b>	62.08	14.64	16.42	<b>16,836.1</b>	<b>63,653</b>	3,705.5	
21' 8	13' 10	66.01%	276,298	6,579	1,045,901	1,045.90	<b>1,029.36</b>	62.07	14.64	16.46	<b>16,943.3</b>	<b>63,892</b>	3,705.5	
21' 9	13' 9	66.27%	277,378	6,604	1,049,989	1,049.99	<b>1,033.38</b>	62.07	14.64	16.50	<b>17,050.8</b>	<b>64,142</b>	3,705.5	
21' 10	13' 8	66.53%	278,458	6,630	1,054,076	1,054.08	<b>1,037.41</b>	62.07	14.64	16.54	<b>17,158.8</b>	<b>64,392</b>	3,705.5	
21' 11	13' 7	66.79%	279,537	6,656	1,058,163	1,058.16	<b>1,041.43</b>	62.07	14.64	16.58	<b>17,266.9</b>	<b>64,642</b>	3,705.5	
22' 0	13' 6	67.04%	280,617	6,681	1,062,251	1,062.25	<b>1,045.45</b>	62.07	14.64	16.63	<b>17,385.8</b>	<b>64,891</b>	3,705.5	

Tank		Oil #1 PORT											
Specific Gravity		1											
Trim		0											
Capacity		9,966 BBL											
Label(s)		Oil#1.p											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
22' 1	13' 5	67.30%	281,697	6,707	1,066,338	1,066.34	<b>1,049.47</b>	62.07	14.64	16.67	<b>17,494.7</b>	<b>65,141</b>	3,705.5
22' 2	13' 4	67.56%	282,777	6,733	1,070,425	1,070.43	<b>1,053.50</b>	62.07	14.64	16.71	<b>17,604.0</b>	<b>65,391</b>	3,705.5
22' 3	13' 3	67.82%	283,856	6,758	1,074,513	1,074.51	<b>1,057.52</b>	62.07	14.65	16.75	<b>17,713.5</b>	<b>65,640</b>	3,705.5
22' 4	13' 2	68.08%	284,936	6,784	1,078,600	1,078.60	<b>1,061.54</b>	62.07	14.65	16.79	<b>17,823.3</b>	<b>65,890</b>	3,705.5
22' 5	13' 1	68.33%	286,016	6,810	1,082,688	1,082.69	<b>1,065.56</b>	62.06	14.65	16.84	<b>17,944.0</b>	<b>66,129</b>	3,705.5
22' 6	13' 0	68.59%	287,096	6,836	1,086,775	1,086.78	<b>1,069.59</b>	62.06	14.65	16.88	<b>18,054.7</b>	<b>66,379</b>	3,705.5
22' 7	12' 11	68.85%	288,175	6,861	1,090,862	1,090.86	<b>1,073.61</b>	62.06	14.65	16.92	<b>18,165.5</b>	<b>66,628</b>	3,705.5
22' 8	12' 10	69.11%	289,255	6,887	1,094,950	1,094.95	<b>1,077.63</b>	62.06	14.65	16.96	<b>18,276.6</b>	<b>66,878</b>	3,705.5
22' 9	12' 9	69.37%	290,335	6,913	1,099,037	1,099.04	<b>1,081.66</b>	62.06	14.65	17.00	<b>18,388.2</b>	<b>67,128</b>	3,705.5
22' 10	12' 8	69.62%	291,415	6,938	1,103,124	1,103.12	<b>1,085.68</b>	62.06	14.65	17.04	<b>18,500.0</b>	<b>67,377</b>	3,705.5
22' 11	12' 7	69.88%	292,495	6,964	1,107,212	1,107.21	<b>1,089.70</b>	62.06	14.65	17.09	<b>18,623.0</b>	<b>67,627</b>	3,705.5
23' 0	12' 6	70.14%	293,574	6,990	1,111,299	1,111.30	<b>1,093.72</b>	62.06	14.65	17.13	<b>18,735.4</b>	<b>67,876</b>	3,705.5
23' 1	12' 5	70.40%	294,654	7,016	1,115,387	1,115.39	<b>1,097.75</b>	62.06	14.65	17.17	<b>18,848.4</b>	<b>68,126</b>	3,705.6
23' 2	12' 4	70.66%	295,734	7,041	1,119,474	1,119.47	<b>1,101.77</b>	62.05	14.65	17.21	<b>18,961.5</b>	<b>68,365</b>	3,705.6
23' 3	12' 3	70.91%	296,814	7,067	1,123,561	1,123.56	<b>1,105.79</b>	62.05	14.65	17.25	<b>19,074.9</b>	<b>68,614</b>	3,705.6
23' 4	12' 2	71.17%	297,893	7,093	1,127,649	1,127.65	<b>1,109.81</b>	62.05	14.65	17.29	<b>19,188.6</b>	<b>68,864</b>	3,705.6
23' 5	12' 1	71.43%	298,973	7,118	1,131,736	1,131.74	<b>1,113.84</b>	62.05	14.65	17.34	<b>19,314.0</b>	<b>69,114</b>	3,705.6
23' 6	12' 0	71.69%	300,053	7,144	1,135,824	1,135.82	<b>1,117.86</b>	62.05	14.65	17.38	<b>19,428.4</b>	<b>69,363</b>	3,705.6
23' 7	11' 11	71.95%	301,133	7,170	1,139,911	1,139.91	<b>1,121.88</b>	62.05	14.66	17.42	<b>19,543.1</b>	<b>69,613</b>	3,705.6
23' 8	11' 10	72.20%	302,212	7,196	1,143,998	1,144.0	<b>1,125.91</b>	62.05	14.66	17.46	<b>19,658.4</b>	<b>69,863</b>	3,705.6
23' 9	11' 9	72.46%	303,292	7,221	1,148,086	1,148.09	<b>1,129.93</b>	62.05	14.66	17.50	<b>19,773.8</b>	<b>70,112</b>	3,705.6
23' 10	11' 8	72.72%	304,372	7,247	1,152,173	1,152.17	<b>1,133.95</b>	62.05	14.66	17.54	<b>19,889.5</b>	<b>70,362</b>	3,705.6
23' 11	11' 7	72.98%	305,452	7,273	1,156,260	1,156.26	<b>1,137.97</b>	62.05	14.66	17.59	<b>20,016.9</b>	<b>70,611</b>	3,705.6
24' 0	11' 6	73.24%	306,532	7,298	1,160,348	1,160.35	<b>1,142.0</b>	62.04	14.66	17.63	<b>20,133.5</b>	<b>70,850</b>	3,705.6
24' 1	11' 5	73.49%	307,611	7,324	1,164,435	1,164.44	<b>1,146.02</b>	62.04	14.66	17.67	<b>20,250.2</b>	<b>71,099</b>	3,705.6
24' 2	11' 4	73.75%	308,691	7,350	1,168,523	1,168.52	<b>1,150.04</b>	62.04	14.66	17.71	<b>20,367.2</b>	<b>71,348</b>	3,705.6
24' 3	11' 3	74.01%	309,771	7,375	1,172,610	1,172.61	<b>1,154.06</b>	62.04	14.66	17.75	<b>20,484.6</b>	<b>71,598</b>	3,705.6
24' 4	11' 2	74.27%	310,851	7,401	1,176,698	1,176.70	<b>1,158.09</b>	62.04	14.66	17.80	<b>20,614.0</b>	<b>71,848</b>	3,705.6
24' 5	11' 1	74.53%	311,930	7,427	1,180,785	1,180.79	<b>1,162.11</b>	62.04	14.66	17.84	<b>20,732.0</b>	<b>72,097</b>	3,705.6
24' 6	11' 0	74.78%	313,010	7,453	1,184,872	1,184.87	<b>1,166.13</b>	62.04	14.66	17.88	<b>20,850.4</b>	<b>72,347</b>	3,705.6
24' 7	10' 11	75.04%	314,090	7,478	1,188,960	1,188.96	<b>1,170.16</b>	62.04	14.66	17.92	<b>20,969.3</b>	<b>72,597</b>	3,705.6
24' 8	10' 10	75.30%	315,170	7,504	1,193,047	1,193.05	<b>1,174.18</b>	62.04	14.66	17.96	<b>21,088.3</b>	<b>72,846</b>	3,705.6
24' 9	10' 9	75.56%	316,250	7,530	1,197,135	1,197.13	<b>1,178.20</b>	62.04	14.66	18.00	<b>21,207.6</b>	<b>73,096</b>	3,705.6

Tank		Oil #1 PORT											
Specific Gravity		1											
Trim		0											
Capacity		9,966 BBL											
Label(s)		Oil#1.p											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
24' 10	10' 8	75.82%	317,329	7,555	1,201,222	1,201.22	<b>1,182.22</b>	62.04	14.66	18.05	<b>21,339.1</b>	<b>73,345</b>	3,705.6
24' 11	10' 7	76.07%	318,409	7,581	1,205,309	1,205.31	<b>1,186.25</b>	62.03	14.66	18.09	<b>21,459.3</b>	<b>73,583</b>	3,705.6
25' 0	10' 6	76.33%	319,489	7,607	1,209,397	1,209.40	<b>1,190.27</b>	62.03	14.67	18.13	<b>21,579.6</b>	<b>73,832</b>	3,705.6
25' 1	10' 5	76.59%	320,569	7,633	1,213,484	1,213.48	<b>1,194.29</b>	62.03	14.67	18.17	<b>21,700.2</b>	<b>74,082</b>	3,705.6
25' 2	10' 4	76.85%	321,648	7,658	1,217,571	1,217.57	<b>1,198.32</b>	62.03	14.67	18.21	<b>21,821.4</b>	<b>74,332</b>	3,705.7
25' 3	10' 3	77.10%	322,728	7,684	1,221,659	1,221.66	<b>1,202.34</b>	62.03	14.67	18.25	<b>21,942.7</b>	<b>74,581</b>	3,705.7
25' 4	10' 2	77.36%	323,808	7,710	1,225,746	1,225.75	<b>1,206.36</b>	62.03	14.67	18.30	<b>22,076.4</b>	<b>74,831</b>	3,705.7
25' 5	10' 1	77.62%	324,888	7,735	1,229,833	1,229.83	<b>1,210.38</b>	62.03	14.67	18.34	<b>22,198.4</b>	<b>75,080</b>	3,705.7
25' 6	10' 0	77.88%	325,968	7,761	1,233,921	1,233.92	<b>1,214.41</b>	62.03	14.67	18.38	<b>22,320.9</b>	<b>75,330</b>	3,705.7
25' 7	9' 11	78.14%	327,047	7,787	1,238,009	1,238.01	<b>1,218.43</b>	62.03	14.67	18.42	<b>22,443.5</b>	<b>75,579</b>	3,705.7
25' 8	9' 10	78.39%	328,127	7,813	1,242,096	1,242.10	<b>1,222.45</b>	62.03	14.67	18.46	<b>22,566.4</b>	<b>75,829</b>	3,705.7
25' 9	9' 9	78.65%	329,207	7,838	1,246,183	1,246.18	<b>1,226.47</b>	62.03	14.67	18.50	<b>22,689.7</b>	<b>76,078</b>	3,705.7
25' 10	9' 8	78.91%	330,287	7,864	1,250,271	1,250.27	<b>1,230.50</b>	62.03	14.67	18.55	<b>22,825.8</b>	<b>76,328</b>	3,705.7
25' 11	9' 7	79.17%	331,366	7,890	1,254,358	1,254.36	<b>1,234.52</b>	62.02	14.67	18.59	<b>22,949.7</b>	<b>76,565</b>	3,705.7
26' 0	9' 6	79.43%	332,446	7,915	1,258,445	1,258.45	<b>1,238.54</b>	62.02	14.67	18.63	<b>23,074.0</b>	<b>76,814</b>	3,705.7
26' 1	9' 5	79.68%	333,526	7,941	1,262,533	1,262.53	<b>1,242.57</b>	62.02	14.67	18.67	<b>23,198.8</b>	<b>77,064</b>	3,705.7
26' 2	9' 4	79.94%	334,606	7,967	1,266,620	1,266.62	<b>1,246.59</b>	62.02	14.67	18.71	<b>23,323.7</b>	<b>77,314</b>	3,705.7
26' 3	9' 3	80.20%	335,686	7,993	1,270,708	1,270.71	<b>1,250.61</b>	62.02	14.67	18.76	<b>23,461.4</b>	<b>77,563</b>	3,705.7
26' 4	9' 2	80.46%	336,765	8,018	1,274,795	1,274.80	<b>1,254.63</b>	62.02	14.67	18.80	<b>23,587.0</b>	<b>77,812</b>	3,705.7
26' 5	9' 1	80.72%	337,845	8,044	1,278,882	1,278.88	<b>1,258.66</b>	62.02	14.67	18.84	<b>23,713.2</b>	<b>78,062</b>	3,705.7
26' 6	9' 0	80.97%	338,925	8,070	1,282,970	1,282.97	<b>1,262.68</b>	62.02	14.67	18.88	<b>23,839.4</b>	<b>78,311</b>	3,705.7
26' 7	8' 11	81.23%	340,005	8,095	1,287,057	1,287.06	<b>1,266.70</b>	62.02	14.67	18.92	<b>23,966.0</b>	<b>78,561</b>	3,705.7
26' 8	8' 10	81.49%	341,084	8,121	1,291,145	1,291.14	<b>1,270.72</b>	62.02	14.68	18.96	<b>24,092.9</b>	<b>78,810</b>	3,705.7
26' 9	8' 9	81.75%	342,164	8,147	1,295,232	1,295.23	<b>1,274.75</b>	62.02	14.68	19.01	<b>24,233.0</b>	<b>79,060</b>	3,705.7
26' 10	8' 8	82.01%	343,244	8,172	1,299,320	1,299.32	<b>1,278.77</b>	62.02	14.68	19.05	<b>24,360.6</b>	<b>79,309</b>	3,705.7
26' 11	8' 7	82.26%	344,324	8,198	1,303,407	1,303.41	<b>1,282.79</b>	62.02	14.68	19.09	<b>24,488.5</b>	<b>79,559</b>	3,705.7
27' 0	8' 6	82.52%	345,404	8,224	1,307,495	1,307.49	<b>1,286.82</b>	62.01	14.68	19.13	<b>24,616.9</b>	<b>79,796</b>	3,705.7
27' 1	8' 5	82.78%	346,483	8,250	1,311,582	1,311.58	<b>1,290.84</b>	62.01	14.68	19.17	<b>24,745.4</b>	<b>80,045</b>	3,705.7
27' 2	8' 4	83.04%	347,563	8,275	1,315,670	1,315.67	<b>1,294.86</b>	62.01	14.68	19.21	<b>24,874.3</b>	<b>80,294</b>	3,705.7
27' 3	8' 3	83.30%	348,643	8,301	1,319,757	1,319.76	<b>1,298.88</b>	62.01	14.68	19.26	<b>25,016.4</b>	<b>80,544</b>	3,705.8
27' 4	8' 2	83.55%	349,723	8,327	1,323,844	1,323.84	<b>1,302.91</b>	62.01	14.68	19.30	<b>25,146.2</b>	<b>80,793</b>	3,705.8
27' 5	8' 1	83.81%	350,803	8,352	1,327,932	1,327.93	<b>1,306.93</b>	62.01	14.68	19.34	<b>25,276.0</b>	<b>81,043</b>	3,705.8
27' 6	8' 0	84.07%	351,882	8,378	1,332,019	1,332.02	<b>1,310.95</b>	62.01	14.68	19.38	<b>25,406.2</b>	<b>81,292</b>	3,705.8

Tank		Oil #1 PORT												
Specific Gravity		1												
Trim		0												
Capacity		9,966 BBL												
Label(s)		Oil#1.p												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
27' 7	7' 11	84.33%	352,962	8,404	1,336,107	1,336.11	<b>1,314.97</b>	62.01	14.68	19.42	<b>25,536.7</b>	<b>81,541</b>	3,705.8	
27' 8	7' 10	84.59%	354,042	8,430	1,340,194	1,340.19	<b>1,319.0</b>	62.01	14.68	19.46	<b>25,667.7</b>	<b>81,791</b>	3,705.8	
27' 9	7' 9	84.84%	355,122	8,455	1,344,281	1,344.28	<b>1,323.02</b>	62.01	14.68	19.51	<b>25,812.1</b>	<b>82,040</b>	3,705.8	
27' 10	7' 8	85.10%	356,201	8,481	1,348,369	1,348.37	<b>1,327.04</b>	62.01	14.68	19.55	<b>25,943.6</b>	<b>82,290</b>	3,705.8	
27' 11	7' 7	85.36%	357,281	8,507	1,352,456	1,352.46	<b>1,331.07</b>	62.01	14.68	19.59	<b>26,075.7</b>	<b>82,540</b>	3,705.8	
28' 0	7' 6	85.62%	358,361	8,532	1,356,544	1,356.54	<b>1,335.09</b>	62.01	14.68	19.63	<b>26,207.8</b>	<b>82,789</b>	3,705.8	
28' 1	7' 5	85.88%	359,441	8,558	1,360,631	1,360.63	<b>1,339.11</b>	62.00	14.68	19.67	<b>26,340.3</b>	<b>83,025</b>	3,705.8	
28' 2	7' 4	86.13%	360,521	8,584	1,364,719	1,364.72	<b>1,343.14</b>	62.00	14.68	19.72	<b>26,486.7</b>	<b>83,275</b>	3,705.8	
28' 3	7' 3	86.39%	361,600	8,610	1,368,806	1,368.81	<b>1,347.16</b>	62.00	14.68	19.76	<b>26,619.9</b>	<b>83,524</b>	3,705.8	
28' 4	7' 2	86.65%	362,680	8,635	1,372,894	1,372.89	<b>1,351.18</b>	62.00	14.68	19.80	<b>26,753.4</b>	<b>83,773</b>	3,705.8	
28' 5	7' 1	86.91%	363,760	8,661	1,376,981	1,376.98	<b>1,355.20</b>	62.00	14.68	19.84	<b>26,887.2</b>	<b>84,022</b>	3,705.8	
28' 6	7' 0	87.17%	364,840	8,687	1,381,068	1,381.07	<b>1,359.23</b>	62.00	14.69	19.88	<b>27,021.5</b>	<b>84,272</b>	3,705.8	
28' 7	6' 11	87.42%	365,920	8,712	1,385,156	1,385.16	<b>1,363.25</b>	62.00	14.69	19.92	<b>27,155.9</b>	<b>84,522</b>	3,705.8	
28' 8	6' 10	87.68%	366,999	8,738	1,389,243	1,389.24	<b>1,367.27</b>	62.00	14.69	19.97	<b>27,304.4</b>	<b>84,771</b>	3,705.8	
28' 9	6' 9	87.94%	368,079	8,764	1,393,331	1,393.33	<b>1,371.29</b>	62.00	14.69	20.01	<b>27,439.5</b>	<b>85,020</b>	3,705.8	
28' 10	6' 8	88.20%	369,159	8,789	1,397,418	1,397.42	<b>1,375.32</b>	62.00	14.69	20.05	<b>27,575.2</b>	<b>85,270</b>	3,705.8	
28' 11	6' 7	88.46%	370,239	8,815	1,401,506	1,401.51	<b>1,379.34</b>	62.00	14.69	20.09	<b>27,710.9</b>	<b>85,519</b>	3,705.8	
29' 0	6' 6	88.71%	371,318	8,841	1,405,593	1,405.59	<b>1,383.36</b>	62.00	14.69	20.13	<b>27,847.0</b>	<b>85,768</b>	3,705.8	
29' 1	6' 5	88.97%	372,398	8,867	1,409,681	1,409.68	<b>1,387.39</b>	62.00	14.69	20.17	<b>27,983.7</b>	<b>86,018</b>	3,705.8	
29' 2	6' 4	89.23%	373,478	8,892	1,413,768	1,413.77	<b>1,391.41</b>	62.00	14.69	20.22	<b>28,134.3</b>	<b>86,267</b>	3,705.8	
29' 3	6' 3	89.49%	374,558	8,918	1,417,856	1,417.86	<b>1,395.43</b>	62.00	14.69	20.26	<b>28,271.4</b>	<b>86,517</b>	3,705.8	
29' 4	6' 2	89.75%	375,638	8,944	1,421,943	1,421.94	<b>1,399.45</b>	62.00	14.69	20.30	<b>28,408.8</b>	<b>86,766</b>	3,705.9	
29' 5	6' 1	90.00%	376,717	8,969	1,426,030	1,426.03	<b>1,403.48</b>	61.99	14.69	20.34	<b>28,546.8</b>	<b>87,002</b>	3,705.9	
29' 6	6' 0	90.26%	377,797	8,995	1,430,118	1,430.12	<b>1,407.50</b>	61.99	14.69	20.38	<b>28,684.9</b>	<b>87,251</b>	3,705.9	
29' 7	5' 11	90.52%	378,877	9,021	1,434,205	1,434.21	<b>1,411.52</b>	61.99	14.69	20.42	<b>28,823.2</b>	<b>87,500</b>	3,705.9	
29' 8	5' 10	90.78%	379,957	9,047	1,438,293	1,438.29	<b>1,415.55</b>	61.99	14.69	20.47	<b>28,976.3</b>	<b>87,750</b>	3,705.9	
29' 9	5' 9	91.04%	381,037	9,072	1,442,380	1,442.38	<b>1,419.57</b>	61.99	14.69	20.51	<b>29,115.4</b>	<b>87,999</b>	3,705.9	
29' 10	5' 8	91.29%	382,116	9,098	1,446,467	1,446.47	<b>1,423.59</b>	61.99	14.69	20.55	<b>29,254.8</b>	<b>88,248</b>	3,705.9	
29' 11	5' 7	91.55%	383,196	9,124	1,450,555	1,450.56	<b>1,427.61</b>	61.99	14.69	20.59	<b>29,394.5</b>	<b>88,498</b>	3,705.9	
30' 0	5' 6	91.81%	384,276	9,149	1,454,643	1,454.64	<b>1,431.64</b>	61.99	14.69	20.63	<b>29,534.7</b>	<b>88,747</b>	3,705.9	
30' 1	5' 5	92.07%	385,356	9,175	1,458,730	1,458.73	<b>1,435.66</b>	61.99	14.69	20.67	<b>29,675.1</b>	<b>88,997</b>	3,705.9	
30' 2	5' 4	92.33%	386,436	9,201	1,462,817	1,462.82	<b>1,439.68</b>	61.99	14.69	20.72	<b>29,830.2</b>	<b>89,246</b>	3,705.9	
30' 3	5' 3	92.58%	387,515	9,227	1,466,905	1,466.90	<b>1,443.70</b>	61.99	14.69	20.76	<b>29,971.2</b>	<b>89,495</b>	3,705.9	

Tank		Oil #1 PORT												
Specific Gravity		1												
Trim		0												
Capacity		9,966 BBL												
Label(s)		Oil#1.p												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
30' 4	5' 2	92.84%	388,595	9,252	1,470,992	1,470.99	1,447.73	61.99	14.69	20.80	30,112.8	89,745	3,705.9	
30' 5	5' 1	93.10%	389,675	9,278	1,475,080	1,475.08	1,451.75	61.99	14.69	20.84	30,254.5	89,994	3,705.9	
30' 6	5' 0	93.36%	390,755	9,304	1,479,167	1,479.17	1,455.77	61.99	14.69	20.88	30,396.5	90,243	3,705.9	
30' 7	4' 11	93.62%	391,835	9,329	1,483,255	1,483.25	1,459.80	61.99	14.69	20.92	30,539.0	90,493	3,705.9	
30' 8	4' 10	93.87%	392,914	9,355	1,487,342	1,487.34	1,463.82	61.99	14.70	20.97	30,696.3	90,742	3,705.9	
30' 9	4' 9	94.13%	393,994	9,381	1,491,430	1,491.43	1,467.84	61.98	14.70	21.01	30,839.3	90,977	3,705.9	
30' 10	4' 8	94.39%	395,074	9,407	1,495,517	1,495.52	1,471.87	61.98	14.70	21.05	30,982.9	91,227	3,705.9	
30' 11	4' 7	94.65%	396,154	9,432	1,499,605	1,499.60	1,475.89	61.98	14.70	21.09	31,126.5	91,476	3,705.9	
31' 0	4' 6	94.91%	397,234	9,458	1,503,692	1,503.69	1,479.91	61.98	14.70	21.13	31,270.5	91,725	3,705.9	
31' 1	4' 5	95.16%	398,313	9,484	1,507,779	1,507.78	1,483.93	61.98	14.70	21.18	31,429.6	91,974	3,705.9	
31' 2	4' 4	95.42%	399,393	9,509	1,511,867	1,511.87	1,487.96	61.98	14.70	21.22	31,574.5	92,224	3,705.9	
31' 3	4' 3	95.68%	400,473	9,535	1,515,954	1,515.95	1,491.98	61.98	14.70	21.26	31,719.5	92,473	3,705.9	
31' 4	4' 2	95.94%	401,553	9,561	1,520,042	1,520.04	1,496.0	61.98	14.70	21.30	31,864.8	92,722	3,705.9	
31' 5	4' 1	96.20%	402,632	9,586	1,524,129	1,524.13	1,500.03	61.98	14.70	21.34	32,010.6	92,972	3,706.0	
31' 6	4' 0	96.45%	403,712	9,612	1,528,217	1,528.22	1,504.05	61.98	14.70	21.38	32,156.6	93,221	3,706.0	
31' 7	3' 11	96.71%	404,792	9,638	1,532,304	1,532.30	1,508.07	61.98	14.70	21.43	32,317.9	93,470	3,706.0	
31' 8	3' 10	96.97%	405,872	9,664	1,536,392	1,536.39	1,512.09	61.98	14.70	21.47	32,464.6	93,719	3,706.0	
31' 9	3' 9	97.23%	406,952	9,689	1,540,479	1,540.48	1,516.12	61.98	14.70	21.51	32,611.7	93,969	3,706.0	
31' 10	3' 8	97.49%	408,032	9,715	1,544,567	1,544.57	1,520.14	61.98	14.70	21.55	32,759.0	94,218	3,706.0	
31' 11	3' 7	97.74%	409,111	9,741	1,548,654	1,548.65	1,524.16	61.98	14.70	21.59	32,906.6	94,467	3,706.0	
32' 0	3' 6	98.00%	410,191	9,766	1,552,742	1,552.74	1,528.18	61.98	14.70	21.63	33,054.5	94,717	3,706.0	
32' 1	3' 5	98.26%	411,271	9,792	1,556,829	1,556.83	1,532.21	61.98	14.70	21.68	33,218.3	94,966	3,706.0	
32' 2	3' 4	98.52%	412,349	9,818	1,560,912	1,560.91	1,536.22	61.98	14.70	21.72	33,366.7	95,215	3,615.0	
32' 3	3' 3	98.77%	413,401	9,843	1,564,893	1,564.89	1,540.14	61.97	14.70	21.76	33,513.4	95,442	3,064.2	
32' 4	3' 2	99.00%	414,390	9,866	1,568,638	1,568.64	1,543.83	61.97	14.70	21.80	33,655.5	95,671	2,403.2	
32' 5	3' 1	99.22%	415,295	9,888	1,572,062	1,572.06	1,547.20	61.97	14.69	21.83	33,775.4	95,880	1,747.3	
32' 6	3' 0	99.41%	416,100	9,907	1,575,110	1,575.11	1,550.20	61.96	14.69	21.86	33,887.4	96,050	1,191.4	
32' 7	2' 11	99.58%	416,803	9,924	1,577,770	1,577.77	1,552.82	61.96	14.68	21.89	33,991.2	96,213	762.3	
32' 8	2' 10	99.72%	417,398	9,938	1,580,025	1,580.02	1,555.04	61.96	14.67	21.91	34,070.9	96,350	442.9	
32' 9	2' 9	99.84%	417,890	9,950	1,581,885	1,581.88	1,556.87	61.96	14.66	21.93	34,142.2	96,464	235.9	
32' 10	2' 8	99.93%	418,277	9,959	1,583,350	1,583.35	1,558.31	61.95	14.65	21.95	34,204.9	96,537	103.1	
32' 11	2' 7	100.00%	418,557	9,966	1,584,411	1,584.41	1,559.35	61.95	14.64	21.96	34,243.3	96,602	32.4	

Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
0' 1	35' 5	0	1671	40	6327	6	6	65	8	5	34	402	1384
0' 2	35' 4	0	2423	58	9173	9	9	65	9	6	50	584	1958
0' 3	35' 3	0	3215	77	12171	12	12	65	9	6	67	777	2170
0' 4	35' 2	0	4032	96	15264	15	15	65	10	6	84	976	2419
0' 5	35' 1	0	4875	116	18452	18	18	65	10	6	103	1182	2631
0' 6	35' 0	0	5738	137	21719	22	21	65	11	6	122	1392	2776
0' 7	34' 11	0	6618	158	25051	25	25	65	11	6	142	1606	2883
0' 8	34' 10	0	7513	179	28439	28	28	65	11	6	162	1824	2967
0' 9	34' 9	0	8421	201	31878	32	31	65	12	6	184	2043	3035
0' 10	34' 8	0	9342	222	35362	35	35	65	12	6	205	2266	3093
0' 11	34' 7	0	10273	245	38887	39	38	65	12	6	227	2490	3143
1' 0	34' 6	0	11215	267	42452	42	42	65	12	6	250	2717	3187
1' 1	34' 5	0	12166	290	46053	46	45	65	12	6	273	2944	3227
1' 2	34' 4	0	13126	313	49687	50	49	65	12	6	297	3174	3261
1' 3	34' 3	0	14094	336	53353	53	53	65	12	6	321	3405	3292
1' 4	34' 2	0	15070	359	57048	57	56	65	13	6	346	3638	3319
1' 5	34' 1	0	16054	382	60770	61	60	65	13	6	371	3872	3343
1' 6	34' 0	0	17044	406	64518	65	64	65	13	6	397	4106	3366
1' 7	33' 11	0	18040	430	68289	68	67	65	13	6	423	4342	3386
1' 8	33' 10	0	19042	453	72083	72	71	65	13	6	450	4578	3404
1' 9	33' 9	0	20050	477	75897	76	75	64	13	6	477	4816	3420
1' 10	33' 8	0	21063	501	79731	80	78	64	13	6	505	5054	3435
1' 11	33' 7	0	22080	526	83582	84	82	64	13	6	532	5293	3449
2' 0	33' 6	0	23102	550	87450	87	86	64	13	7	560	5533	3461
2' 1	33' 5	0	24128	574	91334	91	90	64	13	7	590	5773	3474
2' 2	33' 4	0	25158	599	95232	95	94	64	13	7	619	6014	3484
2' 3	33' 3	0	26191	624	99144	99	98	64	13	7	649	6256	3495
2' 4	33' 2	0	27228	648	103068	103	101	64	13	7	679	6497	3504
2' 5	33' 1	0	28267	673	107004	107	105	64	13	7	709	6739	3513
2' 6	33' 0	0	29310	698	110950	111	109	64	13	7	740	6982	3522
2' 7	32' 11	0	30355	723	114905	115	113	64	13	7	771	7225	3529
2' 8	32' 10	0	31402	748	118869	119	117	64	13	7	804	7469	3537
2' 9	32' 9	0	32451	773	122840	123	121	64	14	7	835	7712	3544

Tank		Oil #1 STBD											
Specific Gravity		1											
Trim		0											
Capacity		9,978 BBL											
Label(s)		Oil#1.s											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
2' 10	32' 8	0	33502	798	126818	127	125	64	14	7	867	7957	3550
2' 11	32' 7	0	34554	823	130802	131	129	64	14	7	901	8200	3556
3' 0	32' 6	0	35608	848	134791	135	133	64	14	7	934	8445	3561
3' 1	32' 5	8.75%	36,663	873	138,784	138.78	136.59	63.62	13.62	7.08	967.1	8,690	3,566.4
3' 2	32' 4	9.00%	37,719	898	142,780	142.78	140.52	63.58	13.65	7.13	1,001.9	8,934	3,571.1
3' 3	32' 3	9.25%	38,775	923	146,780	146.78	144.46	63.54	13.67	7.17	1,035.8	9,179	3,575.6
3' 4	32' 2	9.51%	39,832	948	150,781	150.78	148.40	63.50	13.70	7.21	1,070.0	9,423	3,579.8
3' 5	32' 1	9.76%	40,890	974	154,785	154.79	152.34	63.47	13.72	7.26	1,106.0	9,669	3,584.0
3' 6	32' 0	10.01%	41,948	999	158,791	158.79	156.28	63.44	13.74	7.30	1,140.8	9,914	3,588.0
3' 7	31' 11	10.26%	43,007	1,024	162,799	162.80	160.22	63.41	13.77	7.34	1,176.0	10,160	3,592.0
3' 8	31' 10	10.52%	44,067	1,049	166,810	166.81	164.17	63.38	13.79	7.39	1,213.2	10,405	3,595.9
3' 9	31' 9	10.77%	45,127	1,074	170,822	170.82	168.12	63.35	13.80	7.43	1,249.1	10,650	3,599.8
3' 10	31' 8	11.02%	46,187	1,100	174,837	174.84	172.07	63.32	13.82	7.47	1,285.4	10,895	3,603.5
3' 11	31' 7	11.27%	47,248	1,125	178,854	178.85	176.03	63.29	13.84	7.52	1,323.7	11,141	3,607.2
4' 0	31' 6	11.53%	48,310	1,150	182,873	182.87	179.98	63.27	13.86	7.56	1,360.6	11,387	3,610.8
4' 1	31' 5	11.78%	49,372	1,176	186,893	186.89	183.94	63.25	13.88	7.60	1,397.9	11,634	3,614.3
4' 2	31' 4	12.04%	50,435	1,201	190,916	190.92	187.90	63.22	13.89	7.64	1,435.6	11,879	3,617.8
4' 3	31' 3	12.29%	51,498	1,226	194,941	194.94	191.86	63.20	13.91	7.69	1,475.4	12,126	3,621.1
4' 4	31' 2	12.54%	52,562	1,251	198,968	198.97	195.82	63.18	13.92	7.73	1,513.7	12,372	3,624.4
4' 5	31' 1	12.80%	53,626	1,277	202,997	203.0	199.79	63.16	13.94	7.77	1,552.4	12,619	3,627.6
4' 6	31' 0	13.05%	54,691	1,302	207,027	207.03	203.75	63.13	13.95	7.82	1,593.3	12,863	3,630.7
4' 7	30' 11	13.30%	55,756	1,328	211,060	211.06	207.72	63.11	13.97	7.86	1,632.7	13,109	3,633.7
4' 8	30' 10	13.56%	56,822	1,353	215,094	215.09	211.69	63.10	13.98	7.90	1,672.4	13,358	3,636.7
4' 9	30' 9	13.81%	57,888	1,378	219,130	219.13	215.66	63.08	13.99	7.94	1,712.3	13,604	3,639.5
4' 10	30' 8	14.07%	58,955	1,404	223,168	223.17	219.64	63.06	14.01	7.99	1,754.9	13,850	3,642.3
4' 11	30' 7	14.32%	60,022	1,429	227,208	227.21	223.61	63.04	14.02	8.03	1,795.6	14,096	3,645.1
5' 0	30' 6	14.58%	61,089	1,455	231,249	231.25	227.59	63.02	14.03	8.07	1,836.7	14,343	3,647.7
5' 1	30' 5	14.83%	62,158	1,480	235,292	235.29	231.57	63.01	14.04	8.11	1,878.0	14,591	3,650.3
5' 2	30' 4	15.09%	63,226	1,505	239,336	239.34	235.55	62.99	14.05	8.16	1,922.1	14,837	3,652.8
5' 3	30' 3	15.34%	64,295	1,531	243,383	243.38	239.53	62.97	14.06	8.20	1,964.1	15,083	3,655.2
5' 4	30' 2	15.60%	65,364	1,556	247,430	247.43	243.52	62.96	14.07	8.24	2,006.6	15,332	3,657.5
5' 5	30' 1	15.85%	66,434	1,582	251,480	251.48	247.50	62.94	14.08	8.29	2,051.8	15,578	3,659.8
5' 6	30' 0	16.11%	67,504	1,607	255,531	255.53	251.49	62.93	14.09	8.33	2,094.9	15,826	3,662.0



Tank		Oil #1 STBD												
Specific Gravity		1												
Trim		0												
Capacity		9,978 BBL												
Label(s)		Oil#1.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
5' 7	29' 11	16.36%	68,575	1,633	259,583	259.58	<b>255.48</b>	62.91	14.10	8.37	<b>2,138.4</b>	<b>16,072</b>	3,664.1	
5' 8	29' 10	16.62%	69,646	1,658	263,637	263.64	<b>259.47</b>	62.90	14.11	8.41	<b>2,182.1</b>	<b>16,321</b>	3,666.2	
5' 9	29' 9	16.87%	70,717	1,684	267,692	267.69	<b>263.46</b>	62.89	14.12	8.46	<b>2,228.9</b>	<b>16,569</b>	3,668.2	
5' 10	29' 8	17.13%	71,788	1,709	271,749	271.75	<b>267.45</b>	62.87	14.13	8.50	<b>2,273.3</b>	<b>16,815</b>	3,670.0	
5' 11	29' 7	17.39%	72,860	1,735	275,807	275.81	<b>271.44</b>	62.86	14.14	8.54	<b>2,318.1</b>	<b>17,063</b>	3,671.9	
6' 0	29' 6	17.64%	73,933	1,760	279,866	279.87	<b>275.44</b>	62.85	14.15	8.58	<b>2,363.3</b>	<b>17,311</b>	3,673.8	
6' 1	29' 5	17.90%	75,006	1,786	283,927	283.93	<b>279.44</b>	62.83	14.16	8.63	<b>2,411.6</b>	<b>17,557</b>	3,675.4	
6' 2	29' 4	18.15%	76,079	1,811	287,989	287.99	<b>283.43</b>	62.82	14.17	8.67	<b>2,457.3</b>	<b>17,805</b>	3,677.1	
6' 3	29' 3	18.41%	77,152	1,837	292,052	292.05	<b>287.43</b>	62.81	14.18	8.71	<b>2,503.5</b>	<b>18,053</b>	3,678.7	
6' 4	29' 2	18.67%	78,226	1,863	296,117	296.12	<b>291.43</b>	62.80	14.18	8.75	<b>2,550.0</b>	<b>18,302</b>	3,680.3	
6' 5	29' 1	18.92%	79,300	1,888	300,182	300.18	<b>295.43</b>	62.79	14.19	8.79	<b>2,596.8</b>	<b>18,550</b>	3,681.7	
6' 6	29' 0	19.18%	80,374	1,914	304,249	304.25	<b>299.44</b>	62.77	14.20	8.84	<b>2,647.0</b>	<b>18,796</b>	3,683.1	
6' 7	28' 11	19.44%	81,449	1,939	308,317	308.32	<b>303.44</b>	62.76	14.21	8.88	<b>2,694.5</b>	<b>19,044</b>	3,684.6	
6' 8	28' 10	19.69%	82,524	1,965	312,386	312.39	<b>307.45</b>	62.75	14.21	8.92	<b>2,742.5</b>	<b>19,292</b>	3,686.0	
6' 9	28' 9	19.95%	83,599	1,990	316,456	316.46	<b>311.45</b>	62.74	14.22	8.96	<b>2,790.6</b>	<b>19,540</b>	3,687.2	
6' 10	28' 8	20.21%	84,674	2,016	320,527	320.53	<b>315.46</b>	62.73	14.23	9.01	<b>2,842.3</b>	<b>19,789</b>	3,688.4	
6' 11	28' 7	20.46%	85,750	2,042	324,599	324.60	<b>319.47</b>	62.72	14.24	9.05	<b>2,891.2</b>	<b>20,037</b>	3,689.6	
7' 0	28' 6	20.72%	86,826	2,067	328,672	328.67	<b>323.47</b>	62.71	14.24	9.09	<b>2,940.3</b>	<b>20,285</b>	3,690.8	
7' 1	28' 5	20.98%	87,902	2,093	332,746	332.75	<b>327.48</b>	62.70	14.25	9.13	<b>2,989.9</b>	<b>20,533</b>	3,691.8	
7' 2	28' 4	21.23%	88,979	2,119	336,821	336.82	<b>331.49</b>	62.69	14.26	9.18	<b>3,043.1</b>	<b>20,781</b>	3,692.8	
7' 3	28' 3	21.49%	90,055	2,144	340,897	340.90	<b>335.51</b>	62.68	14.26	9.22	<b>3,093.4</b>	<b>21,030</b>	3,693.8	
7' 4	28' 2	21.75%	91,132	2,170	344,973	344.97	<b>339.52</b>	62.67	14.27	9.26	<b>3,144.0</b>	<b>21,278</b>	3,694.9	
7' 5	28' 1	22.00%	92,209	2,195	349,051	349.05	<b>343.53</b>	62.66	14.27	9.30	<b>3,194.8</b>	<b>21,526</b>	3,695.8	
7' 6	28' 0	22.26%	93,287	2,221	353,129	353.13	<b>347.54</b>	62.65	14.28	9.35	<b>3,249.5</b>	<b>21,773</b>	3,696.6	
7' 7	27' 11	22.52%	94,364	2,247	357,208	357.21	<b>351.56</b>	62.64	14.29	9.39	<b>3,301.1</b>	<b>22,022</b>	3,697.4	
7' 8	27' 10	22.78%	95,442	2,272	361,288	361.29	<b>355.57</b>	62.63	14.29	9.43	<b>3,353.0</b>	<b>22,269</b>	3,698.3	
7' 9	27' 9	23.03%	96,520	2,298	365,369	365.37	<b>359.59</b>	62.62	14.30	9.47	<b>3,405.3</b>	<b>22,518</b>	3,699.1	
7' 10	27' 8	23.29%	97,598	2,324	369,450	369.45	<b>363.61</b>	62.62	14.30	9.52	<b>3,461.6</b>	<b>22,769</b>	3,699.8	
7' 11	27' 7	23.55%	98,677	2,349	373,532	373.53	<b>367.62</b>	62.61	14.31	9.56	<b>3,514.4</b>	<b>23,017</b>	3,700.4	
8' 0	27' 6	23.80%	99,755	2,375	377,615	377.62	<b>371.64</b>	62.60	14.31	9.60	<b>3,567.7</b>	<b>23,265</b>	3,701.1	
8' 1	27' 5	24.06%	100,834	2,401	381,699	381.70	<b>375.66</b>	62.59	14.32	9.64	<b>3,621.4</b>	<b>23,513</b>	3,701.8	
8' 2	27' 4	24.32%	101,913	2,427	385,783	385.78	<b>379.68</b>	62.58	14.33	9.68	<b>3,675.3</b>	<b>23,760</b>	3,702.4	
8' 3	27' 3	24.58%	102,992	2,452	389,867	389.87	<b>383.70</b>	62.58	14.33	9.73	<b>3,733.4</b>	<b>24,012</b>	3,702.9	

Tank		Oil #1 STBD											
Specific Gravity		1											
Trim		0											
Capacity		9,978 BBL											
Label(s)		Oil#1.s											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
8' 4	27' 2	24.83%	104,071	2,478	393,952	393.95	<b>387.72</b>	62.57	14.34	9.77	<b>3,788.0</b>	<b>24,260</b>	3,703.4
8' 5	27' 1	25.09%	105,151	2,504	398,038	398.04	<b>391.74</b>	62.56	14.34	9.81	<b>3,843.0</b>	<b>24,507</b>	3,703.9
8' 6	27' 0	25.35%	106,230	2,529	402,124	402.12	<b>395.76</b>	62.55	14.34	9.85	<b>3,898.2</b>	<b>24,755</b>	3,704.4
8' 7	26' 11	25.61%	107,310	2,555	406,211	406.21	<b>399.79</b>	62.54	14.35	9.90	<b>3,957.9</b>	<b>25,003</b>	3,704.9
8' 8	26' 10	25.86%	108,389	2,581	410,298	410.30	<b>403.81</b>	62.54	14.35	9.94	<b>4,013.9</b>	<b>25,254</b>	3,705.3
8' 9	26' 9	26.12%	109,469	2,606	414,385	414.39	<b>407.83</b>	62.53	14.36	9.98	<b>4,070.1</b>	<b>25,502</b>	3,705.6
8' 10	26' 8	26.38%	110,549	2,632	418,473	418.47	<b>411.85</b>	62.52	14.36	10.02	<b>4,126.7</b>	<b>25,749</b>	3,706.0
8' 11	26' 7	26.64%	111,629	2,658	422,562	422.56	<b>415.88</b>	62.52	14.37	10.06	<b>4,183.8</b>	<b>26,001</b>	3,706.4
9' 0	26' 6	26.90%	112,709	2,684	426,650	426.65	<b>419.90</b>	62.51	14.37	10.11	<b>4,245.2</b>	<b>26,248</b>	3,706.7
9' 1	26' 5	27.15%	113,789	2,709	430,739	430.74	<b>423.93</b>	62.50	14.38	10.15	<b>4,302.9</b>	<b>26,496</b>	3,706.9
9' 2	26' 4	27.41%	114,870	2,735	434,829	434.83	<b>427.95</b>	62.50	14.38	10.19	<b>4,360.8</b>	<b>26,747</b>	3,707.2
9' 3	26' 3	27.67%	115,950	2,761	438,918	438.92	<b>431.98</b>	62.49	14.38	10.23	<b>4,419.2</b>	<b>26,994</b>	3,707.4
9' 4	26' 2	27.93%	117,031	2,786	443,009	443.01	<b>436.0</b>	62.48	14.39	10.28	<b>4,482.1</b>	<b>27,241</b>	3,707.7
9' 5	26' 1	28.18%	118,111	2,812	447,099	447.10	<b>440.03</b>	62.48	14.39	10.32	<b>4,541.1</b>	<b>27,493</b>	3,707.9
9' 6	26' 0	28.44%	119,192	2,838	451,189	451.19	<b>444.05</b>	62.47	14.40	10.36	<b>4,600.4</b>	<b>27,740</b>	3,708.0
9' 7	25' 11	28.70%	120,272	2,864	455,280	455.28	<b>448.08</b>	62.46	14.40	10.40	<b>4,660.0</b>	<b>27,987</b>	3,708.2
9' 8	25' 10	28.96%	121,353	2,889	459,370	459.37	<b>452.11</b>	62.46	14.40	10.44	<b>4,720.0</b>	<b>28,239</b>	3,708.3
9' 9	25' 9	29.22%	122,434	2,915	463,461	463.46	<b>456.13</b>	62.45	14.41	10.49	<b>4,784.8</b>	<b>28,485</b>	3,708.4
9' 10	25' 8	29.47%	123,514	2,941	467,552	467.55	<b>460.16</b>	62.45	14.41	10.53	<b>4,845.5</b>	<b>28,737</b>	3,708.5
9' 11	25' 7	29.73%	124,595	2,967	471,644	471.64	<b>464.18</b>	62.44	14.42	10.57	<b>4,906.4</b>	<b>28,983</b>	3,708.5
10' 0	25' 6	29.99%	125,676	2,992	475,735	475.73	<b>468.21</b>	62.43	14.42	10.61	<b>4,967.7</b>	<b>29,230</b>	3,708.6
10' 1	25' 5	30.25%	126,757	3,018	479,826	479.83	<b>472.24</b>	62.43	14.42	10.65	<b>5,029.4</b>	<b>29,482</b>	3,708.6
10' 2	25' 4	30.51%	127,837	3,044	483,917	483.92	<b>476.26</b>	62.42	14.43	10.70	<b>5,096.0</b>	<b>29,728</b>	3,708.7
10' 3	25' 3	30.76%	128,918	3,069	488,008	488.01	<b>480.29</b>	62.42	14.43	10.74	<b>5,158.3</b>	<b>29,980</b>	3,708.7
10' 4	25' 2	31.02%	129,999	3,095	492,100	492.10	<b>484.32</b>	62.41	14.43	10.78	<b>5,221.0</b>	<b>30,226</b>	3,708.7
10' 5	25' 1	31.28%	131,080	3,121	496,191	496.19	<b>488.34</b>	62.41	14.44	10.82	<b>5,283.8</b>	<b>30,477</b>	3,708.7
10' 6	25' 0	31.54%	132,161	3,147	500,283	500.28	<b>492.37</b>	62.40	14.44	10.87	<b>5,352.1</b>	<b>30,724</b>	3,708.7
10' 7	24' 11	31.80%	133,242	3,172	504,374	504.37	<b>496.40</b>	62.40	14.44	10.91	<b>5,415.7</b>	<b>30,975</b>	3,708.7
10' 8	24' 10	32.05%	134,322	3,198	508,466	508.47	<b>500.42</b>	62.39	14.44	10.95	<b>5,479.6</b>	<b>31,221</b>	3,708.7
10' 9	24' 9	32.31%	135,403	3,224	512,557	512.56	<b>504.45</b>	62.39	14.45	10.99	<b>5,543.9</b>	<b>31,473</b>	3,708.7
10' 10	24' 8	32.57%	136,484	3,250	516,648	516.65	<b>508.48</b>	62.38	14.45	11.03	<b>5,608.5</b>	<b>31,719</b>	3,708.7
10' 11	24' 7	32.83%	137,565	3,275	520,739	520.74	<b>512.50</b>	62.38	14.45	11.08	<b>5,678.5</b>	<b>31,970</b>	3,708.7
11' 0	24' 6	33.08%	138,646	3,301	524,831	524.83	<b>516.53</b>	62.37	14.46	11.12	<b>5,743.8</b>	<b>32,216</b>	3,708.7

Tank		Oil #1 STBD											
Specific Gravity		1											
Trim		0											
Capacity		9,978 BBL											
Label(s)		Oil#1.s											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
11' 1	24' 5	33.34%	139,727	3,327	528,922	528.92	<b>520.56</b>	62.37	14.46	11.16	<b>5,809.4</b>	<b>32,467</b>	3,708.7
11' 2	24' 4	33.60%	140,807	3,353	533,014	533.01	<b>524.58</b>	62.36	14.46	11.20	<b>5,875.3</b>	<b>32,713</b>	3,708.7
11' 3	24' 3	33.86%	141,888	3,378	537,105	537.10	<b>528.61</b>	62.36	14.46	11.24	<b>5,941.6</b>	<b>32,964</b>	3,708.7
11' 4	24' 2	34.12%	142,969	3,404	541,196	541.20	<b>532.64</b>	62.35	14.47	11.29	<b>6,013.5</b>	<b>33,210</b>	3,708.8
11' 5	24' 1	34.37%	144,050	3,430	545,288	545.29	<b>536.66</b>	62.35	14.47	11.33	<b>6,080.4</b>	<b>33,461</b>	3,708.8
11' 6	24' 0	34.63%	145,131	3,455	549,379	549.38	<b>540.69</b>	62.35	14.47	11.37	<b>6,147.6</b>	<b>33,712</b>	3,708.8
11' 7	23' 11	34.89%	146,211	3,481	553,470	553.47	<b>544.72</b>	62.34	14.48	11.41	<b>6,215.3</b>	<b>33,958</b>	3,708.8
11' 8	23' 10	35.15%	147,292	3,507	557,562	557.56	<b>548.74</b>	62.34	14.48	11.45	<b>6,283.1</b>	<b>34,208</b>	3,708.8
11' 9	23' 9	35.41%	148,373	3,533	561,653	561.65	<b>552.77</b>	62.33	14.48	11.50	<b>6,356.9</b>	<b>34,454</b>	3,708.8
11' 10	23' 8	35.66%	149,454	3,558	565,745	565.74	<b>556.80</b>	62.33	14.48	11.54	<b>6,425.5</b>	<b>34,705</b>	3,708.8
11' 11	23' 7	35.92%	150,535	3,584	569,836	569.84	<b>560.82</b>	62.32	14.49	11.58	<b>6,494.3</b>	<b>34,950</b>	3,708.8
12' 0	23' 6	36.18%	151,616	3,610	573,927	573.93	<b>564.85</b>	62.32	14.49	11.62	<b>6,563.6</b>	<b>35,201</b>	3,708.8
12' 1	23' 5	36.44%	152,696	3,636	578,019	578.02	<b>568.88</b>	62.32	14.49	11.66	<b>6,633.1</b>	<b>35,453</b>	3,708.8
12' 2	23' 4	36.70%	153,777	3,661	582,110	582.11	<b>572.90</b>	62.31	14.49	11.71	<b>6,708.7</b>	<b>35,697</b>	3,708.8
12' 3	23' 3	36.95%	154,858	3,687	586,201	586.20	<b>576.93</b>	62.31	14.50	11.75	<b>6,778.9</b>	<b>35,949</b>	3,708.8
12' 4	23' 2	37.21%	155,939	3,713	590,293	590.29	<b>580.96</b>	62.31	14.50	11.79	<b>6,849.5</b>	<b>36,200</b>	3,708.8
12' 5	23' 1	37.47%	157,020	3,739	594,384	594.38	<b>584.98</b>	62.30	14.50	11.83	<b>6,920.3</b>	<b>36,444</b>	3,708.8
12' 6	23' 0	37.73%	158,101	3,764	598,475	598.48	<b>589.01</b>	62.30	14.50	11.87	<b>6,991.5</b>	<b>36,695</b>	3,708.8
12' 7	22' 11	37.99%	159,181	3,790	602,567	602.57	<b>593.04</b>	62.29	14.50	11.92	<b>7,069.0</b>	<b>36,940</b>	3,708.8
12' 8	22' 10	38.24%	160,262	3,816	606,658	606.66	<b>597.06</b>	62.29	14.51	11.96	<b>7,140.8</b>	<b>37,191</b>	3,708.8
12' 9	22' 9	38.50%	161,343	3,842	610,750	610.75	<b>601.09</b>	62.29	14.51	12.00	<b>7,213.1</b>	<b>37,442</b>	3,708.8
12' 10	22' 8	38.76%	162,424	3,867	614,841	614.84	<b>605.12</b>	62.28	14.51	12.04	<b>7,285.6</b>	<b>37,687</b>	3,708.8
12' 11	22' 7	39.02%	163,505	3,893	618,932	618.93	<b>609.14</b>	62.28	14.51	12.08	<b>7,358.4</b>	<b>37,937</b>	3,708.8
13' 0	22' 6	39.27%	164,586	3,919	623,024	623.02	<b>613.17</b>	62.28	14.51	12.13	<b>7,437.8</b>	<b>38,188</b>	3,708.8
13' 1	22' 5	39.53%	165,666	3,944	627,115	627.11	<b>617.20</b>	62.27	14.52	12.17	<b>7,511.3</b>	<b>38,433</b>	3,708.8
13' 2	22' 4	39.79%	166,747	3,970	631,206	631.21	<b>621.22</b>	62.27	14.52	12.21	<b>7,585.1</b>	<b>38,683</b>	3,708.8
13' 3	22' 3	40.05%	167,828	3,996	635,298	635.30	<b>625.25</b>	62.27	14.52	12.25	<b>7,659.3</b>	<b>38,934</b>	3,708.8
13' 4	22' 2	40.31%	168,909	4,022	639,389	639.39	<b>629.28</b>	62.26	14.52	12.29	<b>7,733.9</b>	<b>39,179</b>	3,708.8
13' 5	22' 1	40.56%	169,990	4,047	643,481	643.48	<b>633.30</b>	62.26	14.52	12.34	<b>7,814.9</b>	<b>39,429</b>	3,708.9
13' 6	22' 0	40.82%	171,070	4,073	647,572	647.57	<b>637.33</b>	62.26	14.53	12.38	<b>7,890.1</b>	<b>39,680</b>	3,708.9
13' 7	21' 11	41.08%	172,151	4,099	651,664	651.66	<b>641.36</b>	62.26	14.53	12.42	<b>7,965.7</b>	<b>39,931</b>	3,708.9
13' 8	21' 10	41.34%	173,232	4,125	655,755	655.75	<b>645.38</b>	62.25	14.53	12.46	<b>8,041.4</b>	<b>40,175</b>	3,708.9
13' 9	21' 9	41.60%	174,313	4,150	659,846	659.85	<b>649.41</b>	62.25	14.53	12.50	<b>8,117.6</b>	<b>40,426</b>	3,708.9

Tank		Oil #1 STBD												
Specific Gravity		1												
Trim		0												
Capacity		9,978 BBL												
Label(s)		Oil#1.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
13' 10	21' 8	41.85%	175,394	4,176	663,938	663.94	<b>653.44</b>	62.25	14.53	12.54	<b>8,194.1</b>	<b>40,677</b>	3,708.9	
13' 11	21' 7	42.11%	176,475	4,202	668,029	668.03	<b>657.46</b>	62.24	14.54	12.59	<b>8,277.4</b>	<b>40,920</b>	3,708.9	
14' 0	21' 6	42.37%	177,555	4,228	672,120	672.12	<b>661.49</b>	62.24	14.54	12.63	<b>8,354.6</b>	<b>41,171</b>	3,708.9	
14' 1	21' 5	42.63%	178,636	4,253	676,212	676.21	<b>665.52</b>	62.24	14.54	12.67	<b>8,432.1</b>	<b>41,422</b>	3,708.9	
14' 2	21' 4	42.89%	179,717	4,279	680,303	680.30	<b>669.54</b>	62.24	14.54	12.71	<b>8,509.9</b>	<b>41,672</b>	3,708.9	
14' 3	21' 3	43.14%	180,798	4,305	684,395	684.39	<b>673.57</b>	62.23	14.54	12.75	<b>8,588.0</b>	<b>41,916</b>	3,708.9	
14' 4	21' 2	43.40%	181,879	4,330	688,486	688.49	<b>677.60</b>	62.23	14.54	12.80	<b>8,673.3</b>	<b>42,167</b>	3,708.9	
14' 5	21' 1	43.66%	182,960	4,356	692,577	692.58	<b>681.62</b>	62.23	14.55	12.84	<b>8,752.0</b>	<b>42,417</b>	3,708.9	
14' 6	21' 0	43.92%	184,040	4,382	696,669	696.67	<b>685.65</b>	62.22	14.55	12.88	<b>8,831.2</b>	<b>42,661</b>	3,708.9	
14' 7	20' 11	44.18%	185,121	4,408	700,760	700.76	<b>689.68</b>	62.22	14.55	12.92	<b>8,910.7</b>	<b>42,912</b>	3,708.9	
14' 8	20' 10	44.43%	186,202	4,433	704,851	704.85	<b>693.70</b>	62.22	14.55	12.96	<b>8,990.4</b>	<b>43,162</b>	3,708.9	
14' 9	20' 9	44.69%	187,283	4,459	708,943	708.94	<b>697.73</b>	62.22	14.55	13.01	<b>9,077.5</b>	<b>43,413</b>	3,708.9	
14' 10	20' 8	44.95%	188,364	4,485	713,034	713.03	<b>701.76</b>	62.21	14.55	13.05	<b>9,158.0</b>	<b>43,656</b>	3,708.9	
14' 11	20' 7	45.21%	189,445	4,511	717,126	717.13	<b>705.78</b>	62.21	14.56	13.09	<b>9,238.7</b>	<b>43,907</b>	3,708.9	
15' 0	20' 6	45.46%	190,525	4,536	721,217	721.22	<b>709.81</b>	62.21	14.56	13.13	<b>9,319.8</b>	<b>44,157</b>	3,708.9	
15' 1	20' 5	45.72%	191,606	4,562	725,308	725.31	<b>713.84</b>	62.21	14.56	13.17	<b>9,401.3</b>	<b>44,408</b>	3,708.9	
15' 2	20' 4	45.98%	192,687	4,588	729,400	729.40	<b>717.86</b>	62.20	14.56	13.21	<b>9,482.9</b>	<b>44,651</b>	3,708.9	
15' 3	20' 3	46.24%	193,768	4,614	733,491	733.49	<b>721.89</b>	62.20	14.56	13.26	<b>9,572.3</b>	<b>44,902</b>	3,708.9	
15' 4	20' 2	46.50%	194,849	4,639	737,583	737.58	<b>725.92</b>	62.20	14.56	13.30	<b>9,654.7</b>	<b>45,152</b>	3,708.9	
15' 5	20' 1	46.75%	195,930	4,665	741,674	741.67	<b>729.94</b>	62.20	14.56	13.34	<b>9,737.4</b>	<b>45,402</b>	3,709.0	
15' 6	20' 0	47.01%	197,010	4,691	745,765	745.77	<b>733.97</b>	62.19	14.57	13.38	<b>9,820.5</b>	<b>45,646</b>	3,709.0	
15' 7	19' 11	47.27%	198,091	4,716	749,857	749.86	<b>738.0</b>	62.19	14.57	13.42	<b>9,904.0</b>	<b>45,896</b>	3,709.0	
15' 8	19' 10	47.53%	199,172	4,742	753,948	753.95	<b>742.02</b>	62.19	14.57	13.47	<b>9,995.0</b>	<b>46,146</b>	3,709.0	
15' 9	19' 9	47.79%	200,253	4,768	758,040	758.04	<b>746.05</b>	62.19	14.57	13.51	<b>10,079.1</b>	<b>46,397</b>	3,709.0	
15' 10	19' 8	48.04%	201,334	4,794	762,131	762.13	<b>750.08</b>	62.19	14.57	13.55	<b>10,163.6</b>	<b>46,647</b>	3,709.0	
15' 11	19' 7	48.30%	202,415	4,819	766,223	766.22	<b>754.10</b>	62.18	14.57	13.59	<b>10,248.2</b>	<b>46,890</b>	3,709.0	
16' 0	19' 6	48.56%	203,496	4,845	770,314	770.31	<b>758.13</b>	62.18	14.57	13.63	<b>10,333.3</b>	<b>47,141</b>	3,709.0	
16' 1	19' 5	48.82%	204,576	4,871	774,406	774.41	<b>762.16</b>	62.18	14.58	13.68	<b>10,426.3</b>	<b>47,391</b>	3,709.0	
16' 2	19' 4	49.08%	205,657	4,897	778,497	778.50	<b>766.18</b>	62.18	14.58	13.72	<b>10,512.0</b>	<b>47,641</b>	3,709.0	
16' 3	19' 3	49.33%	206,738	4,922	782,588	782.59	<b>770.21</b>	62.18	14.58	13.76	<b>10,598.1</b>	<b>47,892</b>	3,709.0	
16' 4	19' 2	49.59%	207,819	4,948	786,680	786.68	<b>774.24</b>	62.17	14.58	13.80	<b>10,684.5</b>	<b>48,135</b>	3,709.0	
16' 5	19' 1	49.85%	208,900	4,974	790,771	790.77	<b>778.26</b>	62.17	14.58	13.84	<b>10,771.1</b>	<b>48,384</b>	3,709.0	
16' 6	19' 0	50.11%	209,981	5,000	794,863	794.86	<b>782.29</b>	62.17	14.58	13.88	<b>10,858.2</b>	<b>48,635</b>	3,709.0	

Tank		Oil #1 STBD											
Specific Gravity		1											
Trim		0											
Capacity		9,978 BBL											
Label(s)		Oil#1.s											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
16' 7	18' 11	50.37%	211,061	5,025	798,954	798.95	<b>786.32</b>	62.17	14.58	13.93	<b>10,953.4</b>	<b>48,886</b>	3,709.0
16' 8	18' 10	50.62%	212,142	5,051	803,046	803.05	<b>790.35</b>	62.16	14.58	13.97	<b>11,041.2</b>	<b>49,128</b>	3,709.0
16' 9	18' 9	50.88%	213,223	5,077	807,137	807.14	<b>794.37</b>	62.16	14.59	14.01	<b>11,129.1</b>	<b>49,378</b>	3,709.0
16' 10	18' 8	51.14%	214,304	5,102	811,229	811.23	<b>798.40</b>	62.16	14.59	14.05	<b>11,217.5</b>	<b>49,629</b>	3,709.0
16' 11	18' 7	51.40%	215,385	5,128	815,320	815.32	<b>802.43</b>	62.16	14.59	14.09	<b>11,306.2</b>	<b>49,879</b>	3,709.0
17' 0	18' 6	51.65%	216,466	5,154	819,411	819.41	<b>806.45</b>	62.16	14.59	14.14	<b>11,403.2</b>	<b>50,129</b>	3,709.0
17' 1	18' 5	51.91%	217,547	5,180	823,503	823.50	<b>810.48</b>	62.16	14.59	14.18	<b>11,492.6</b>	<b>50,379</b>	3,709.0
17' 2	18' 4	52.17%	218,627	5,205	827,594	827.59	<b>814.51</b>	62.15	14.59	14.22	<b>11,582.3</b>	<b>50,622</b>	3,709.0
17' 3	18' 3	52.43%	219,708	5,231	831,686	831.69	<b>818.53</b>	62.15	14.59	14.26	<b>11,672.2</b>	<b>50,872</b>	3,709.0
17' 4	18' 2	52.69%	220,789	5,257	835,778	835.78	<b>822.56</b>	62.15	14.59	14.30	<b>11,762.6</b>	<b>51,122</b>	3,709.0
17' 5	18' 1	52.94%	221,870	5,283	839,869	839.87	<b>826.59</b>	62.15	14.59	14.34	<b>11,853.3</b>	<b>51,373</b>	3,709.0
17' 6	18' 0	53.20%	222,951	5,308	843,960	843.96	<b>830.61</b>	62.15	14.60	14.39	<b>11,952.5</b>	<b>51,622</b>	3,709.0
17' 7	17' 11	53.46%	224,032	5,334	848,052	848.05	<b>834.64</b>	62.14	14.60	14.43	<b>12,043.9</b>	<b>51,865</b>	3,709.1
17' 8	17' 10	53.72%	225,113	5,360	852,144	852.14	<b>838.67</b>	62.14	14.60	14.47	<b>12,135.6</b>	<b>52,115</b>	3,709.1
17' 9	17' 9	53.98%	226,193	5,386	856,235	856.23	<b>842.69</b>	62.14	14.60	14.51	<b>12,227.4</b>	<b>52,365</b>	3,709.1
17' 10	17' 8	54.23%	227,274	5,411	860,326	860.33	<b>846.72</b>	62.14	14.60	14.55	<b>12,319.8</b>	<b>52,615</b>	3,709.1
17' 11	17' 7	54.49%	228,355	5,437	864,418	864.42	<b>850.75</b>	62.14	14.60	14.60	<b>12,421.0</b>	<b>52,866</b>	3,709.1
18' 0	17' 6	54.75%	229,436	5,463	868,509	868.51	<b>854.77</b>	62.14	14.60	14.64	<b>12,513.8</b>	<b>53,115</b>	3,709.1
18' 1	17' 5	55.01%	230,517	5,488	872,601	872.60	<b>858.80</b>	62.13	14.60	14.68	<b>12,607.2</b>	<b>53,357</b>	3,709.1
18' 2	17' 4	55.27%	231,598	5,514	876,692	876.69	<b>862.83</b>	62.13	14.60	14.72	<b>12,700.9</b>	<b>53,608</b>	3,709.1
18' 3	17' 3	55.52%	232,678	5,540	880,784	880.78	<b>866.85</b>	62.13	14.61	14.76	<b>12,794.7</b>	<b>53,857</b>	3,709.1
18' 4	17' 2	55.78%	233,759	5,566	884,875	884.88	<b>870.88</b>	62.13	14.61	14.80	<b>12,889.0</b>	<b>54,108</b>	3,709.1
18' 5	17' 1	56.04%	234,840	5,591	888,967	888.97	<b>874.91</b>	62.13	14.61	14.85	<b>12,992.4</b>	<b>54,358</b>	3,709.1
18' 6	17' 0	56.30%	235,921	5,617	893,058	893.06	<b>878.93</b>	62.13	14.61	14.89	<b>13,087.3</b>	<b>54,608</b>	3,709.1
18' 7	16' 11	56.56%	237,002	5,643	897,149	897.15	<b>882.96</b>	62.12	14.61	14.93	<b>13,182.6</b>	<b>54,849</b>	3,709.1
18' 8	16' 10	56.81%	238,083	5,669	901,241	901.24	<b>886.99</b>	62.12	14.61	14.97	<b>13,278.2</b>	<b>55,100</b>	3,709.1
18' 9	16' 9	57.07%	239,164	5,694	905,333	905.33	<b>891.01</b>	62.12	14.61	15.01	<b>13,374.1</b>	<b>55,350</b>	3,709.1
18' 10	16' 8	57.33%	240,245	5,720	909,424	909.42	<b>895.04</b>	62.12	14.61	15.05	<b>13,470.4</b>	<b>55,600</b>	3,709.1
18' 11	16' 7	57.59%	241,325	5,746	913,516	913.52	<b>899.07</b>	62.12	14.61	15.10	<b>13,576.0</b>	<b>55,850</b>	3,709.1
19' 0	16' 6	57.84%	242,406	5,772	917,607	917.61	<b>903.09</b>	62.12	14.61	15.14	<b>13,672.8</b>	<b>56,100</b>	3,709.1
19' 1	16' 5	58.10%	243,487	5,797	921,699	921.70	<b>907.12</b>	62.11	14.62	15.18	<b>13,770.1</b>	<b>56,341</b>	3,709.1
19' 2	16' 4	58.36%	244,568	5,823	925,790	925.79	<b>911.15</b>	62.11	14.62	15.22	<b>13,867.7</b>	<b>56,592</b>	3,709.1
19' 3	16' 3	58.62%	245,649	5,849	929,881	929.88	<b>915.17</b>	62.11	14.62	15.26	<b>13,965.5</b>	<b>56,841</b>	3,709.1

Tank		Oil #1 STBD												
Specific Gravity		1												
Trim		0												
Capacity		9,978 BBL												
Label(s)		Oil#1.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
19' 4	16' 2	58.88%	246,730	5,875	933,973	933.97	<b>919.20</b>	62.11	14.62	15.31	<b>14,073.0</b>	<b>57,092</b>	3,709.1	
19' 5	16' 1	59.13%	247,811	5,900	938,065	938.06	<b>923.23</b>	62.11	14.62	15.35	<b>14,171.6</b>	<b>57,342</b>	3,709.1	
19' 6	16' 0	59.39%	248,891	5,926	942,156	942.16	<b>927.26</b>	62.11	14.62	15.39	<b>14,270.5</b>	<b>57,592</b>	3,709.1	
19' 7	15' 11	59.65%	249,972	5,952	946,247	946.25	<b>931.28</b>	62.11	14.62	15.43	<b>14,369.7</b>	<b>57,842</b>	3,709.1	
19' 8	15' 10	59.91%	251,053	5,977	950,339	950.34	<b>935.31</b>	62.10	14.62	15.47	<b>14,469.2</b>	<b>58,083</b>	3,709.2	
19' 9	15' 9	60.17%	252,134	6,003	954,431	954.43	<b>939.34</b>	62.10	14.62	15.51	<b>14,569.2</b>	<b>58,333</b>	3,709.2	
19' 10	15' 8	60.42%	253,215	6,029	958,522	958.52	<b>943.36</b>	62.10	14.62	15.56	<b>14,678.7</b>	<b>58,583</b>	3,709.2	
19' 11	15' 7	60.68%	254,296	6,055	962,614	962.61	<b>947.39</b>	62.10	14.62	15.60	<b>14,779.3</b>	<b>58,833</b>	3,709.2	
20' 0	15' 6	60.94%	255,377	6,080	966,705	966.71	<b>951.42</b>	62.10	14.62	15.64	<b>14,880.2</b>	<b>59,083</b>	3,709.2	
20' 1	15' 5	61.20%	256,457	6,106	970,796	970.80	<b>955.44</b>	62.10	14.63	15.68	<b>14,981.3</b>	<b>59,333</b>	3,709.2	
20' 2	15' 4	61.46%	257,538	6,132	974,888	974.89	<b>959.47</b>	62.10	14.63	15.72	<b>15,082.9</b>	<b>59,583</b>	3,709.2	
20' 3	15' 3	61.71%	258,619	6,158	978,979	978.98	<b>963.50</b>	62.09	14.63	15.77	<b>15,194.4</b>	<b>59,824</b>	3,709.2	
20' 4	15' 2	61.97%	259,700	6,183	983,071	983.07	<b>967.52</b>	62.09	14.63	15.81	<b>15,296.5</b>	<b>60,073</b>	3,709.2	
20' 5	15' 1	62.23%	260,781	6,209	987,163	987.16	<b>971.55</b>	62.09	14.63	15.85	<b>15,399.1</b>	<b>60,324</b>	3,709.2	
20' 6	15' 0	62.49%	261,862	6,235	991,254	991.25	<b>975.58</b>	62.09	14.63	15.89	<b>15,502.0</b>	<b>60,574</b>	3,709.2	
20' 7	14' 11	62.75%	262,943	6,261	995,346	995.35	<b>979.60</b>	62.09	14.63	15.93	<b>15,605.0</b>	<b>60,823</b>	3,709.2	
20' 8	14' 10	63.00%	264,023	6,286	999,437	999.44	<b>983.63</b>	62.09	14.63	15.97	<b>15,708.6</b>	<b>61,074</b>	3,709.2	
20' 9	14' 9	63.26%	265,104	6,312	1,003,529	1,003.53	<b>987.66</b>	62.09	14.63	16.02	<b>15,822.3</b>	<b>61,324</b>	3,709.2	
20' 10	14' 8	63.52%	266,185	6,338	1,007,620	1,007.62	<b>991.68</b>	62.09	14.63	16.06	<b>15,926.4</b>	<b>61,573</b>	3,709.2	
20' 11	14' 7	63.78%	267,266	6,363	1,011,712	1,011.71	<b>995.71</b>	62.08	14.63	16.10	<b>16,030.9</b>	<b>61,814</b>	3,709.2	
21' 0	14' 6	64.03%	268,347	6,389	1,015,803	1,015.80	<b>999.74</b>	62.08	14.63	16.14	<b>16,135.8</b>	<b>62,064</b>	3,709.2	
21' 1	14' 5	64.29%	269,428	6,415	1,019,895	1,019.89	<b>1,003.76</b>	62.08	14.64	16.18	<b>16,240.8</b>	<b>62,313</b>	3,709.2	
21' 2	14' 4	64.55%	270,509	6,441	1,023,986	1,023.99	<b>1,007.79</b>	62.08	14.64	16.22	<b>16,346.4</b>	<b>62,564</b>	3,709.2	
21' 3	14' 3	64.81%	271,589	6,466	1,028,078	1,028.08	<b>1,011.82</b>	62.08	14.64	16.27	<b>16,462.3</b>	<b>62,814</b>	3,709.2	
21' 4	14' 2	65.07%	272,670	6,492	1,032,169	1,032.17	<b>1,015.85</b>	62.08	14.64	16.31	<b>16,568.5</b>	<b>63,064</b>	3,709.2	
21' 5	14' 1	65.32%	273,751	6,518	1,036,261	1,036.26	<b>1,019.87</b>	62.08	14.64	16.35	<b>16,674.9</b>	<b>63,314</b>	3,709.2	
21' 6	14' 0	65.58%	274,832	6,544	1,040,352	1,040.35	<b>1,023.90</b>	62.08	14.64	16.39	<b>16,781.7</b>	<b>63,564</b>	3,709.2	
21' 7	13' 11	65.84%	275,913	6,569	1,044,444	1,044.44	<b>1,027.93</b>	62.07	14.64	16.43	<b>16,888.9</b>	<b>63,804</b>	3,709.2	
21' 8	13' 10	66.10%	276,994	6,595	1,048,536	1,048.54	<b>1,031.95</b>	62.07	14.64	16.48	<b>17,006.5</b>	<b>64,053</b>	3,709.2	
21' 9	13' 9	66.36%	278,075	6,621	1,052,627	1,052.63	<b>1,035.98</b>	62.07	14.64	16.52	<b>17,114.4</b>	<b>64,303</b>	3,709.3	
21' 10	13' 8	66.61%	279,156	6,647	1,056,719	1,056.72	<b>1,040.01</b>	62.07	14.64	16.56	<b>17,222.6</b>	<b>64,553</b>	3,709.3	
21' 11	13' 7	66.87%	280,236	6,672	1,060,810	1,060.81	<b>1,044.03</b>	62.07	14.64	16.60	<b>17,330.9</b>	<b>64,803</b>	3,709.3	
22' 0	13' 6	67.13%	281,317	6,698	1,064,901	1,064.90	<b>1,048.06</b>	62.07	14.64	16.64	<b>17,439.7</b>	<b>65,053</b>	3,709.3	

Tank		Oil #1 STBD											
Specific Gravity		1											
Trim		0											
Capacity		9,978 BBL											
Label(s)		Oil#1.s											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
22' 1	13' 5	67.39%	282,398	6,724	1,068,993	1,068.99	<b>1,052.09</b>	62.07	14.64	16.68	<b>17,548.9</b>	<b>65,303</b>	3,709.3
22' 2	13' 4	67.65%	283,479	6,750	1,073,085	1,073.08	<b>1,056.11</b>	62.07	14.64	16.73	<b>17,668.7</b>	<b>65,553</b>	3,709.3
22' 3	13' 3	67.90%	284,560	6,775	1,077,176	1,077.18	<b>1,060.14</b>	62.07	14.65	16.77	<b>17,778.5</b>	<b>65,803</b>	3,709.3
22' 4	13' 2	68.16%	285,641	6,801	1,081,268	1,081.27	<b>1,064.17</b>	62.06	14.65	16.81	<b>17,888.7</b>	<b>66,042</b>	3,709.3
22' 5	13' 1	68.42%	286,722	6,827	1,085,359	1,085.36	<b>1,068.19</b>	62.06	14.65	16.85	<b>17,999.0</b>	<b>66,292</b>	3,709.3
22' 6	13' 0	68.68%	287,802	6,852	1,089,451	1,089.45	<b>1,072.22</b>	62.06	14.65	16.89	<b>18,109.8</b>	<b>66,542</b>	3,709.3
22' 7	12' 11	68.94%	288,883	6,878	1,093,542	1,093.54	<b>1,076.25</b>	62.06	14.65	16.93	<b>18,220.9</b>	<b>66,792</b>	3,709.3
22' 8	12' 10	69.19%	289,964	6,904	1,097,634	1,097.63	<b>1,080.27</b>	62.06	14.65	16.98	<b>18,343.0</b>	<b>67,042</b>	3,709.3
22' 9	12' 9	69.45%	291,045	6,930	1,101,725	1,101.73	<b>1,084.30</b>	62.06	14.65	17.02	<b>18,454.8</b>	<b>67,292</b>	3,709.3
22' 10	12' 8	69.71%	292,126	6,955	1,105,817	1,105.82	<b>1,088.33</b>	62.06	14.65	17.06	<b>18,566.9</b>	<b>67,542</b>	3,709.3
22' 11	12' 7	69.97%	293,207	6,981	1,109,908	1,109.91	<b>1,092.35</b>	62.06	14.65	17.10	<b>18,679.2</b>	<b>67,791</b>	3,709.3
23' 0	12' 6	70.23%	294,288	7,007	1,114,000	1,114.0	<b>1,096.38</b>	62.06	14.65	17.14	<b>18,792.0</b>	<b>68,041</b>	3,709.3
23' 1	12' 5	70.48%	295,368	7,033	1,118,091	1,118.09	<b>1,100.41</b>	62.06	14.65	17.19	<b>18,916.0</b>	<b>68,291</b>	3,709.3
23' 2	12' 4	70.74%	296,449	7,058	1,122,183	1,122.18	<b>1,104.43</b>	62.05	14.65	17.23	<b>19,029.3</b>	<b>68,530</b>	3,709.3
23' 3	12' 3	71.00%	297,530	7,084	1,126,274	1,126.27	<b>1,108.46</b>	62.05	14.65	17.27	<b>19,143.1</b>	<b>68,780</b>	3,709.3
23' 4	12' 2	71.26%	298,611	7,110	1,130,366	1,130.37	<b>1,112.49</b>	62.05	14.65	17.31	<b>19,257.2</b>	<b>69,030</b>	3,709.3
23' 5	12' 1	71.51%	299,692	7,136	1,134,458	1,134.46	<b>1,116.52</b>	62.05	14.65	17.35	<b>19,371.6</b>	<b>69,280</b>	3,709.3
23' 6	12' 0	71.77%	300,773	7,161	1,138,549	1,138.55	<b>1,120.54</b>	62.05	14.66	17.39	<b>19,486.2</b>	<b>69,530</b>	3,709.3
23' 7	11' 11	72.03%	301,854	7,187	1,142,641	1,142.64	<b>1,124.57</b>	62.05	14.66	17.44	<b>19,612.5</b>	<b>69,780</b>	3,709.3
23' 8	11' 10	72.29%	302,935	7,213	1,146,732	1,146.73	<b>1,128.60</b>	62.05	14.66	17.48	<b>19,727.9</b>	<b>70,030</b>	3,709.3
23' 9	11' 9	72.55%	304,015	7,238	1,150,823	1,150.82	<b>1,132.62</b>	62.05	14.66	17.52	<b>19,843.5</b>	<b>70,279</b>	3,709.3
23' 10	11' 8	72.80%	305,096	7,264	1,154,915	1,154.92	<b>1,136.65</b>	62.05	14.66	17.56	<b>19,959.6</b>	<b>70,529</b>	3,709.4
23' 11	11' 7	73.06%	306,177	7,290	1,159,007	1,159.01	<b>1,140.68</b>	62.05	14.66	17.60	<b>20,076.0</b>	<b>70,779</b>	3,709.4
24' 0	11' 6	73.32%	307,258	7,316	1,163,098	1,163.10	<b>1,144.70</b>	62.04	14.66	17.64	<b>20,192.5</b>	<b>71,017</b>	3,709.4
24' 1	11' 5	73.58%	308,339	7,341	1,167,190	1,167.19	<b>1,148.73</b>	62.04	14.66	17.69	<b>20,321.0</b>	<b>71,267</b>	3,709.4
24' 2	11' 4	73.84%	309,420	7,367	1,171,281	1,171.28	<b>1,152.76</b>	62.04	14.66	17.73	<b>20,438.4</b>	<b>71,517</b>	3,709.4
24' 3	11' 3	74.09%	310,501	7,393	1,175,373	1,175.37	<b>1,156.78</b>	62.04	14.66	17.77	<b>20,556.0</b>	<b>71,767</b>	3,709.4
24' 4	11' 2	74.35%	311,582	7,419	1,179,464	1,179.46	<b>1,160.81</b>	62.04	14.66	17.81	<b>20,674.0</b>	<b>72,017</b>	3,709.4
24' 5	11' 1	74.61%	312,662	7,444	1,183,556	1,183.56	<b>1,164.84</b>	62.04	14.66	17.85	<b>20,792.4</b>	<b>72,267</b>	3,709.4
24' 6	11' 0	74.87%	313,743	7,470	1,187,648	1,187.65	<b>1,168.86</b>	62.04	14.66	17.89	<b>20,910.9</b>	<b>72,516</b>	3,709.4
24' 7	10' 11	75.13%	314,824	7,496	1,191,739	1,191.74	<b>1,172.89</b>	62.04	14.66	17.94	<b>21,041.6</b>	<b>72,766</b>	3,709.4
24' 8	10' 10	75.38%	315,905	7,522	1,195,831	1,195.83	<b>1,176.92</b>	62.04	14.66	17.98	<b>21,161.0</b>	<b>73,016</b>	3,709.4
24' 9	10' 9	75.64%	316,986	7,547	1,199,923	1,199.92	<b>1,180.94</b>	62.04	14.66	18.02	<b>21,280.5</b>	<b>73,266</b>	3,709.4

Tank		Oil #1 STBD												
Specific Gravity		1												
Trim		0												
Capacity		9,978 BBL												
Label(s)		Oil#1.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
24' 10	10' 8	75.90%	318,067	7,573	1,204,014	1,204.01	<b>1,184.97</b>	62.04	14.66	18.06	<b>21,400.6</b>	<b>73,516</b>	3,709.4	
24' 11	10' 7	76.16%	319,148	7,599	1,208,105	1,208.11	<b>1,189.0</b>	62.03	14.66	18.10	<b>21,520.9</b>	<b>73,754</b>	3,709.4	
25' 0	10' 6	76.42%	320,229	7,624	1,212,197	1,212.20	<b>1,193.03</b>	62.03	14.67	18.15	<b>21,653.5</b>	<b>74,004</b>	3,709.4	
25' 1	10' 5	76.67%	321,310	7,650	1,216,289	1,216.29	<b>1,197.05</b>	62.03	14.67	18.19	<b>21,774.3</b>	<b>74,253</b>	3,709.4	
25' 2	10' 4	76.93%	322,390	7,676	1,220,380	1,220.38	<b>1,201.08</b>	62.03	14.67	18.23	<b>21,895.7</b>	<b>74,503</b>	3,709.4	
25' 3	10' 3	77.19%	323,471	7,702	1,224,472	1,224.47	<b>1,205.11</b>	62.03	14.67	18.27	<b>22,017.4</b>	<b>74,753</b>	3,709.4	
25' 4	10' 2	77.45%	324,552	7,727	1,228,563	1,228.56	<b>1,209.13</b>	62.03	14.67	18.31	<b>22,139.2</b>	<b>75,002</b>	3,709.4	
25' 5	10' 1	77.71%	325,633	7,753	1,232,655	1,232.65	<b>1,213.16</b>	62.03	14.67	18.35	<b>22,261.5</b>	<b>75,252</b>	3,709.4	
25' 6	10' 0	77.96%	326,714	7,779	1,236,746	1,236.75	<b>1,217.19</b>	62.03	14.67	18.40	<b>22,396.3</b>	<b>75,502</b>	3,709.4	
25' 7	9' 11	78.22%	327,795	7,805	1,240,838	1,240.84	<b>1,221.21</b>	62.03	14.67	18.44	<b>22,519.1</b>	<b>75,752</b>	3,709.4	
25' 8	9' 10	78.48%	328,876	7,830	1,244,930	1,244.93	<b>1,225.24</b>	62.03	14.67	18.48	<b>22,642.4</b>	<b>76,002</b>	3,709.4	
25' 9	9' 9	78.74%	329,956	7,856	1,249,021	1,249.02	<b>1,229.27</b>	62.03	14.67	18.52	<b>22,766.1</b>	<b>76,252</b>	3,709.4	
25' 10	9' 8	78.99%	331,037	7,882	1,253,112	1,253.11	<b>1,233.29</b>	62.02	14.67	18.56	<b>22,889.9</b>	<b>76,489</b>	3,709.5	
25' 11	9' 7	79.25%	332,118	7,908	1,257,204	1,257.20	<b>1,237.32</b>	62.02	14.67	18.60	<b>23,014.2</b>	<b>76,739</b>	3,709.5	
26' 0	9' 6	79.51%	333,199	7,933	1,261,295	1,261.30	<b>1,241.35</b>	62.02	14.67	18.65	<b>23,151.2</b>	<b>76,989</b>	3,709.5	
26' 1	9' 5	79.77%	334,280	7,959	1,265,387	1,265.39	<b>1,245.38</b>	62.02	14.67	18.69	<b>23,276.2</b>	<b>77,238</b>	3,709.5	
26' 2	9' 4	80.03%	335,361	7,985	1,269,479	1,269.48	<b>1,249.40</b>	62.02	14.67	18.73	<b>23,401.3</b>	<b>77,488</b>	3,709.5	
26' 3	9' 3	80.28%	336,442	8,011	1,273,570	1,273.57	<b>1,253.43</b>	62.02	14.67	18.77	<b>23,526.9</b>	<b>77,738</b>	3,709.5	
26' 4	9' 2	80.54%	337,523	8,036	1,277,662	1,277.66	<b>1,257.45</b>	62.02	14.67	18.81	<b>23,652.6</b>	<b>77,987</b>	3,709.5	
26' 5	9' 1	80.80%	338,604	8,062	1,281,754	1,281.75	<b>1,261.48</b>	62.02	14.67	18.85	<b>23,778.9</b>	<b>78,237</b>	3,709.5	
26' 6	9' 0	81.06%	339,684	8,088	1,285,845	1,285.84	<b>1,265.51</b>	62.02	14.67	18.90	<b>23,918.1</b>	<b>78,487</b>	3,709.5	
26' 7	8' 11	81.32%	340,765	8,113	1,289,937	1,289.94	<b>1,269.54</b>	62.02	14.68	18.94	<b>24,045.1</b>	<b>78,737</b>	3,709.5	
26' 8	8' 10	81.57%	341,846	8,139	1,294,028	1,294.03	<b>1,273.56</b>	62.02	14.68	18.98	<b>24,172.2</b>	<b>78,986</b>	3,709.5	
26' 9	8' 9	81.83%	342,927	8,165	1,298,120	1,298.12	<b>1,277.59</b>	62.02	14.68	19.02	<b>24,299.8</b>	<b>79,236</b>	3,709.5	
26' 10	8' 8	82.09%	344,008	8,191	1,302,212	1,302.21	<b>1,281.62</b>	62.02	14.68	19.06	<b>24,427.7</b>	<b>79,486</b>	3,709.5	
26' 11	8' 7	82.35%	345,089	8,216	1,306,303	1,306.30	<b>1,285.64</b>	62.01	14.68	19.11	<b>24,568.6</b>	<b>79,723</b>	3,709.5	
27' 0	8' 6	82.61%	346,170	8,242	1,310,394	1,310.39	<b>1,289.67</b>	62.01	14.68	19.15	<b>24,697.2</b>	<b>79,972</b>	3,709.5	
27' 1	8' 5	82.86%	347,251	8,268	1,314,486	1,314.49	<b>1,293.70</b>	62.01	14.68	19.19	<b>24,826.1</b>	<b>80,222</b>	3,709.5	
27' 2	8' 4	83.12%	348,331	8,294	1,318,578	1,318.58	<b>1,297.72</b>	62.01	14.68	19.23	<b>24,955.2</b>	<b>80,472</b>	3,709.5	
27' 3	8' 3	83.38%	349,412	8,319	1,322,669	1,322.67	<b>1,301.75</b>	62.01	14.68	19.27	<b>25,084.7</b>	<b>80,722</b>	3,709.5	
27' 4	8' 2	83.64%	350,493	8,345	1,326,761	1,326.76	<b>1,305.78</b>	62.01	14.68	19.31	<b>25,214.6</b>	<b>80,971</b>	3,709.5	
27' 5	8' 1	83.90%	351,574	8,371	1,330,853	1,330.85	<b>1,309.81</b>	62.01	14.68	19.36	<b>25,357.9</b>	<b>81,221</b>	3,709.5	
27' 6	8' 0	84.15%	352,655	8,397	1,334,944	1,334.94	<b>1,313.83</b>	62.01	14.68	19.40	<b>25,488.3</b>	<b>81,471</b>	3,709.5	



Tank		Oil #1 STBD												
Specific Gravity		1												
Trim		0												
Capacity		9,978 BBL												
Label(s)		Oil#1.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
27' 7	7' 11	84.41%	353,736	8,422	1,339,036	1,339.04	<b>1,317.86</b>	62.01	14.68	19.44	<b>25,619.2</b>	<b>81,720</b>	3,709.5	
27' 8	7' 10	84.67%	354,817	8,448	1,343,127	1,343.13	<b>1,321.89</b>	62.01	14.68	19.48	<b>25,750.4</b>	<b>81,970</b>	3,709.5	
27' 9	7' 9	84.93%	355,898	8,474	1,347,219	1,347.22	<b>1,325.91</b>	62.01	14.68	19.52	<b>25,881.8</b>	<b>82,220</b>	3,709.5	
27' 10	7' 8	85.18%	356,978	8,499	1,351,310	1,351.31	<b>1,329.94</b>	62.01	14.68	19.56	<b>26,013.6</b>	<b>82,470</b>	3,709.5	
27' 11	7' 7	85.44%	358,059	8,525	1,355,402	1,355.40	<b>1,333.96</b>	62.01	14.68	19.61	<b>26,159.0</b>	<b>82,719</b>	3,709.6	
28' 0	7' 6	85.70%	359,140	8,551	1,359,494	1,359.49	<b>1,337.99</b>	62.01	14.68	19.65	<b>26,291.5</b>	<b>82,969</b>	3,709.6	
28' 1	7' 5	85.96%	360,221	8,577	1,363,585	1,363.59	<b>1,342.02</b>	62.00	14.68	19.69	<b>26,424.4</b>	<b>83,205</b>	3,709.6	
28' 2	7' 4	86.22%	361,302	8,602	1,367,677	1,367.68	<b>1,346.05</b>	62.00	14.68	19.73	<b>26,557.6</b>	<b>83,455</b>	3,709.6	
28' 3	7' 3	86.47%	362,383	8,628	1,371,768	1,371.77	<b>1,350.07</b>	62.00	14.68	19.77	<b>26,690.9</b>	<b>83,704</b>	3,709.6	
28' 4	7' 2	86.73%	363,464	8,654	1,375,860	1,375.86	<b>1,354.10</b>	62.00	14.68	19.81	<b>26,824.7</b>	<b>83,954</b>	3,709.6	
28' 5	7' 1	86.99%	364,545	8,680	1,379,952	1,379.95	<b>1,358.13</b>	62.00	14.68	19.86	<b>26,972.5</b>	<b>84,204</b>	3,709.6	
28' 6	7' 0	87.25%	365,626	8,705	1,384,043	1,384.04	<b>1,362.15</b>	62.00	14.69	19.90	<b>27,106.8</b>	<b>84,453</b>	3,709.6	
28' 7	6' 11	87.51%	366,706	8,731	1,388,135	1,388.13	<b>1,366.18</b>	62.00	14.69	19.94	<b>27,241.6</b>	<b>84,703</b>	3,709.6	
28' 8	6' 10	87.76%	367,787	8,757	1,392,227	1,392.23	<b>1,370.21</b>	62.00	14.69	19.98	<b>27,376.8</b>	<b>84,953</b>	3,709.6	
28' 9	6' 9	88.02%	368,868	8,783	1,396,318	1,396.32	<b>1,374.23</b>	62.00	14.69	20.02	<b>27,512.1</b>	<b>85,202</b>	3,709.6	
28' 10	6' 8	88.28%	369,949	8,808	1,400,409	1,400.41	<b>1,378.26</b>	62.00	14.69	20.06	<b>27,647.9</b>	<b>85,452</b>	3,709.6	
28' 11	6' 7	88.54%	371,030	8,834	1,404,501	1,404.50	<b>1,382.29</b>	62.00	14.69	20.11	<b>27,797.9</b>	<b>85,702</b>	3,709.6	
29' 0	6' 6	88.80%	372,111	8,860	1,408,593	1,408.59	<b>1,386.32</b>	62.00	14.69	20.15	<b>27,934.3</b>	<b>85,952</b>	3,709.6	
29' 1	6' 5	89.05%	373,192	8,886	1,412,684	1,412.68	<b>1,390.34</b>	62.00	14.69	20.19	<b>28,071.0</b>	<b>86,201</b>	3,709.6	
29' 2	6' 4	89.31%	374,273	8,911	1,416,776	1,416.78	<b>1,394.37</b>	62.00	14.69	20.23	<b>28,208.1</b>	<b>86,451</b>	3,709.6	
29' 3	6' 3	89.57%	375,354	8,937	1,420,868	1,420.87	<b>1,398.40</b>	62.00	14.69	20.27	<b>28,345.6</b>	<b>86,701</b>	3,709.6	
29' 4	6' 2	89.83%	376,434	8,963	1,424,959	1,424.96	<b>1,402.42</b>	61.99	14.69	20.32	<b>28,497.2</b>	<b>86,936</b>	3,709.6	
29' 5	6' 1	90.09%	377,515	8,988	1,429,051	1,429.05	<b>1,406.45</b>	61.99	14.69	20.36	<b>28,635.3</b>	<b>87,186</b>	3,709.6	
29' 6	6' 0	90.34%	378,596	9,014	1,433,143	1,433.14	<b>1,410.48</b>	61.99	14.69	20.40	<b>28,773.8</b>	<b>87,436</b>	3,709.6	
29' 7	5' 11	90.60%	379,677	9,040	1,437,234	1,437.23	<b>1,414.50</b>	61.99	14.69	20.44	<b>28,912.4</b>	<b>87,685</b>	3,709.6	
29' 8	5' 10	90.86%	380,758	9,066	1,441,326	1,441.33	<b>1,418.53</b>	61.99	14.69	20.48	<b>29,051.5</b>	<b>87,935</b>	3,709.6	
29' 9	5' 9	91.12%	381,839	9,091	1,445,417	1,445.42	<b>1,422.56</b>	61.99	14.69	20.52	<b>29,190.9</b>	<b>88,184</b>	3,709.6	
29' 10	5' 8	91.38%	382,920	9,117	1,449,509	1,449.51	<b>1,426.58</b>	61.99	14.69	20.57	<b>29,344.8</b>	<b>88,434</b>	3,709.6	
29' 11	5' 7	91.63%	384,001	9,143	1,453,600	1,453.60	<b>1,430.61</b>	61.99	14.69	20.61	<b>29,484.9</b>	<b>88,684</b>	3,709.6	
30' 0	5' 6	91.89%	385,082	9,169	1,457,692	1,457.69	<b>1,434.64</b>	61.99	14.69	20.65	<b>29,625.3</b>	<b>88,933</b>	3,709.7	
30' 1	5' 5	92.15%	386,162	9,194	1,461,784	1,461.78	<b>1,438.67</b>	61.99	14.69	20.69	<b>29,766.1</b>	<b>89,183</b>	3,709.7	
30' 2	5' 4	92.41%	387,243	9,220	1,465,875	1,465.87	<b>1,442.69</b>	61.99	14.69	20.73	<b>29,907.0</b>	<b>89,432</b>	3,709.7	
30' 3	5' 3	92.66%	388,324	9,246	1,469,967	1,469.97	<b>1,446.72</b>	61.99	14.69	20.77	<b>30,048.4</b>	<b>89,682</b>	3,709.7	

Tank		Oil #1 STBD												
Specific Gravity		1												
Trim		0												
Capacity		9,978 BBL												
Label(s)		Oil#1.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
30' 4	5' 2	92.92%	389,405	9,272	1,474,059	1,474.06	<b>1,450.75</b>	61.99	14.69	20.82	<b>30,204.6</b>	<b>89,932</b>	3,709.7	
30' 5	5' 1	93.18%	390,486	9,297	1,478,150	1,478.15	<b>1,454.77</b>	61.99	14.69	20.86	<b>30,346.5</b>	<b>90,181</b>	3,709.7	
30' 6	5' 0	93.44%	391,567	9,323	1,482,242	1,482.24	<b>1,458.80</b>	61.99	14.69	20.90	<b>30,488.9</b>	<b>90,431</b>	3,709.7	
30' 7	4' 11	93.70%	392,648	9,349	1,486,333	1,486.33	<b>1,462.83</b>	61.99	14.70	20.94	<b>30,631.7</b>	<b>90,681</b>	3,709.7	
30' 8	4' 10	93.95%	393,729	9,374	1,490,425	1,490.42	<b>1,466.85</b>	61.99	14.70	20.98	<b>30,774.5</b>	<b>90,930</b>	3,709.7	
30' 9	4' 9	94.21%	394,810	9,400	1,494,517	1,494.52	<b>1,470.88</b>	61.98	14.70	21.02	<b>30,917.9</b>	<b>91,165</b>	3,709.7	
30' 10	4' 8	94.47%	395,890	9,426	1,498,608	1,498.61	<b>1,474.91</b>	61.98	14.70	21.07	<b>31,076.4</b>	<b>91,415</b>	3,709.7	
30' 11	4' 7	94.73%	396,971	9,452	1,502,700	1,502.70	<b>1,478.93</b>	61.98	14.70	21.11	<b>31,220.2</b>	<b>91,664</b>	3,709.7	
31' 0	4' 6	94.99%	398,052	9,477	1,506,791	1,506.79	<b>1,482.96</b>	61.98	14.70	21.15	<b>31,364.6</b>	<b>91,914</b>	3,709.7	
31' 1	4' 5	95.24%	399,133	9,503	1,510,883	1,510.88	<b>1,486.99</b>	61.98	14.70	21.19	<b>31,509.3</b>	<b>92,164</b>	3,709.7	
31' 2	4' 4	95.50%	400,214	9,529	1,514,975	1,514.97	<b>1,491.02</b>	61.98	14.70	21.23	<b>31,654.4</b>	<b>92,413</b>	3,709.7	
31' 3	4' 3	95.76%	401,295	9,555	1,519,066	1,519.07	<b>1,495.04</b>	61.98	14.70	21.27	<b>31,799.5</b>	<b>92,663</b>	3,709.7	
31' 4	4' 2	96.02%	402,376	9,580	1,523,158	1,523.16	<b>1,499.07</b>	61.98	14.70	21.32	<b>31,960.2</b>	<b>92,912</b>	3,709.7	
31' 5	4' 1	96.28%	403,457	9,606	1,527,250	1,527.25	<b>1,503.10</b>	61.98	14.70	21.36	<b>32,106.2</b>	<b>93,162</b>	3,709.7	
31' 6	4' 0	96.53%	404,538	9,632	1,531,341	1,531.34	<b>1,507.12</b>	61.98	14.70	21.40	<b>32,252.4</b>	<b>93,411</b>	3,709.7	
31' 7	3' 11	96.79%	405,619	9,658	1,535,433	1,535.43	<b>1,511.15</b>	61.98	14.70	21.44	<b>32,399.1</b>	<b>93,661</b>	3,709.7	
31' 8	3' 10	97.05%	406,699	9,683	1,539,524	1,539.52	<b>1,515.18</b>	61.98	14.70	21.48	<b>32,546.1</b>	<b>93,911</b>	3,709.7	
31' 9	3' 9	97.31%	407,780	9,709	1,543,616	1,543.62	<b>1,519.20</b>	61.98	14.70	21.52	<b>32,693.2</b>	<b>94,160</b>	3,709.7	
31' 10	3' 8	97.57%	408,861	9,735	1,547,708	1,547.71	<b>1,523.23</b>	61.98	14.70	21.57	<b>32,856.1</b>	<b>94,410</b>	3,709.7	
31' 11	3' 7	97.82%	409,942	9,761	1,551,800	1,551.80	<b>1,527.26</b>	61.98	14.70	21.61	<b>33,004.1</b>	<b>94,660</b>	3,709.7	
32' 0	3' 6	98.08%	411,023	9,786	1,555,891	1,555.89	<b>1,531.28</b>	61.98	14.70	21.65	<b>33,152.2</b>	<b>94,909</b>	3,709.7	
32' 1	3' 5	98.34%	412,104	9,812	1,559,983	1,559.98	<b>1,535.31</b>	61.98	14.70	21.69	<b>33,300.9</b>	<b>95,159</b>	3,709.8	
32' 2	3' 4	98.60%	413,178	9,838	1,564,050	1,564.05	<b>1,539.31</b>	61.98	14.70	21.73	<b>33,449.2</b>	<b>95,406</b>	3,431.8	
32' 3	3' 3	98.84%	414,210	9,862	1,567,956	1,567.96	<b>1,543.16</b>	61.97	14.70	21.77	<b>33,594.6</b>	<b>95,630</b>	2,814.3	
32' 4	3' 2	99.07%	415,170	9,885	1,571,589	1,571.59	<b>1,546.73</b>	61.97	14.70	21.81	<b>33,734.2</b>	<b>95,851</b>	2,150.0	
32' 5	3' 1	99.28%	416,039	9,906	1,574,877	1,574.88	<b>1,549.97</b>	61.97	14.69	21.84	<b>33,851.3</b>	<b>96,052</b>	1,518.2	
32' 6	3' 0	99.46%	416,805	9,924	1,577,780	1,577.78	<b>1,552.83</b>	61.96	14.68	21.87	<b>33,960.4</b>	<b>96,213</b>	1,016.1	
32' 7	2' 11	99.62%	417,468	9,940	1,580,288	1,580.29	<b>1,555.30</b>	61.96	14.67	21.90	<b>34,061.1</b>	<b>96,366</b>	626.2	
32' 8	2' 10	99.75%	418,024	9,953	1,582,391	1,582.39	<b>1,557.37</b>	61.96	14.66	21.92	<b>34,137.6</b>	<b>96,495</b>	353.0	
32' 9	2' 9	99.86%	418,476	9,964	1,584,103	1,584.10	<b>1,559.05</b>	61.96	14.65	21.94	<b>34,205.6</b>	<b>96,599</b>	177.4	
32' 10	2' 8	99.94%	418,822	9,972	1,585,414	1,585.41	<b>1,560.34</b>	61.95	14.65	21.95	<b>34,249.5</b>	<b>96,663</b>	69.1	
32' 11	2' 7	100.00%	419,063	9,978	1,586,325	1,586.33	<b>1,561.24</b>	61.95	14.64	21.96	<b>34,284.8</b>	<b>96,719</b>	18.1	

Tank		Oil #2 PORT											
Specific Gravity		1											
Trim		0											
Capacity		12,017 BBL											
Label(s)		Oil#2.p											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
0' 1	35' 5	0	1683	40	6372	6	6	121	7	5	34	760	1420
0' 2	35' 4	0	2599	62	9837	10	10	121	9	6	53	1173	2706
0' 3	35' 3	0	3709	88	14039	14	14	121	11	6	77	1674	4603
0' 4	35' 2	0	4976	118	18837	19	19	121	12	6	104	2245	5501
0' 5	35' 1	0	6265	149	23717	24	23	121	13	6	132	2825	5533
0' 6	35' 0	0	7555	180	28600	29	28	121	14	6	161	3406	5534
0' 7	34' 11	0	8845	211	33482	33	33	121	14	6	189	3985	5534
0' 8	34' 10	0	10135	241	38365	38	38	121	15	6	219	4566	5535
0' 9	34' 9	0	11425	272	43248	43	43	121	15	6	249	5145	5536
0' 10	34' 8	0	12715	303	48131	48	47	121	15	6	279	5726	5536
0' 11	34' 7	0	14005	333	53015	53	52	121	15	6	309	6306	5537
1' 0	34' 6	0	15295	364	57899	58	57	121	15	6	340	6886	5538
1' 1	34' 5	0	16585	395	62782	63	62	121	16	6	372	7467	5538
1' 2	34' 4	0	17876	426	67667	68	67	121	16	6	404	8047	5539
1' 3	34' 3	0	19166	456	72551	73	71	121	16	6	436	8627	5540
1' 4	34' 2	0	20456	487	77436	77	76	121	16	6	468	9207	5541
1' 5	34' 1	0	21747	518	82320	82	81	121	16	6	501	9788	5541
1' 6	34' 0	0	23037	549	87205	87	86	121	16	6	535	10368	5542
1' 7	33' 11	0	24328	579	92090	92	91	121	16	6	568	10948	5543
1' 8	33' 10	0	25618	610	96976	97	95	121	16	6	602	11528	5543
1' 9	33' 9	0	26909	641	101861	102	100	121	16	6	637	12109	5544
1' 10	33' 8	0	28200	671	106747	107	105	121	16	6	671	12689	5545
1' 11	33' 7	0	29490	702	111633	112	110	121	16	6	708	13270	5545
2' 0	33' 6	0	30781	733	116519	117	115	121	16	6	743	13851	5546
2' 1	33' 5	0	32072	764	121406	121	119	121	16	7	779	14432	5546
2' 2	33' 4	0	33363	794	126292	126	124	121	16	7	815	15011	5546
2' 3	33' 3	0	34654	825	131178	131	129	121	16	7	852	15591	5546
2' 4	33' 2	0	35945	856	136065	136	134	121	16	7	891	16172	5546
2' 5	33' 1	0	37235	887	140951	141	139	121	16	7	928	16753	5546
2' 6	33' 0	0	38526	917	145838	146	144	121	16	7	966	17333	5546
2' 7	32' 11	0	39817	948	150724	151	148	121	16	7	1004	17914	5546
2' 8	32' 10	0	41108	979	155611	156	153	121	16	7	1043	18494	5546
2' 9	32' 9	0	42399	1009	160497	160	158	121	16	7	1084	19075	5546

Tank		Oil #2 PORT												
Specific Gravity		1												
Trim		0												
Capacity		12,017 BBL												
Label(s)		Oil#2.p												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
2' 10	32' 8	0	43690	1040	165383	165	163	121	16	7	1123	19656	5546	
2' 11	32' 7	0	44981	1071	170270	170	168	121	16	7	1163	20237	5546	
3' 0	32' 6	0	46271	1102	175156	175	172	121	16	7	1203	20816	5546	
3' 1	32' 5	9.42%	47,562	1,132	180,043	180.04	177.20	120.75	16.48	7.02	1,243.9	21,397	5,546.4	
3' 2	32' 4	9.68%	48,853	1,163	184,929	184.93	182.0	120.75	16.49	7.06	1,284.9	21,977	5,546.4	
3' 3	32' 3	9.94%	50,144	1,194	189,816	189.82	186.81	120.75	16.50	7.11	1,328.2	22,557	5,546.4	
3' 4	32' 2	10.19%	51,435	1,225	194,702	194.70	191.62	120.75	16.51	7.15	1,370.1	23,138	5,546.4	
3' 5	32' 1	10.45%	52,726	1,255	199,589	199.59	196.43	120.75	16.53	7.19	1,412.3	23,719	5,546.4	
3' 6	32' 0	10.70%	54,017	1,286	204,475	204.47	201.24	120.75	16.54	7.23	1,455.0	24,300	5,546.4	
3' 7	31' 11	10.96%	55,307	1,317	209,361	209.36	206.05	120.75	16.55	7.27	1,498.0	24,881	5,546.4	
3' 8	31' 10	11.21%	56,598	1,348	214,248	214.25	210.86	120.74	16.56	7.32	1,543.5	25,459	5,546.4	
3' 9	31' 9	11.47%	57,889	1,378	219,134	219.13	215.67	120.74	16.57	7.36	1,587.3	26,040	5,546.4	
3' 10	31' 8	11.73%	59,180	1,409	224,021	224.02	220.48	120.74	16.58	7.40	1,631.6	26,621	5,546.4	
3' 11	31' 7	11.98%	60,471	1,440	228,907	228.91	225.29	120.74	16.58	7.44	1,676.2	27,202	5,546.4	
4' 0	31' 6	12.24%	61,762	1,471	233,794	233.79	230.10	120.74	16.59	7.48	1,721.1	27,782	5,546.4	
4' 1	31' 5	12.49%	63,053	1,501	238,680	238.68	234.91	120.74	16.60	7.52	1,766.5	28,363	5,546.4	
4' 2	31' 4	12.75%	64,343	1,532	243,567	243.57	239.71	120.74	16.61	7.57	1,814.6	28,943	5,546.4	
4' 3	31' 3	13.00%	65,634	1,563	248,453	248.45	244.52	120.74	16.62	7.61	1,860.8	29,523	5,546.4	
4' 4	31' 2	13.26%	66,925	1,593	253,339	253.34	249.33	120.74	16.62	7.65	1,907.4	30,104	5,546.4	
4' 5	31' 1	13.52%	68,216	1,624	258,226	258.23	254.14	120.74	16.63	7.69	1,954.3	30,685	5,546.4	
4' 6	31' 0	13.77%	69,507	1,655	263,112	263.11	258.95	120.74	16.64	7.73	2,001.7	31,266	5,546.4	
4' 7	30' 11	14.03%	70,798	1,686	267,999	268.0	263.76	120.74	16.64	7.77	2,049.4	31,846	5,546.4	
4' 8	30' 10	14.28%	72,089	1,716	272,885	272.89	268.57	120.74	16.65	7.82	2,100.2	32,427	5,546.4	
4' 9	30' 9	14.54%	73,380	1,747	277,772	277.77	273.38	120.74	16.65	7.86	2,148.8	33,008	5,546.4	
4' 10	30' 8	14.79%	74,670	1,778	282,658	282.66	278.19	120.73	16.66	7.90	2,197.7	33,586	5,546.4	
4' 11	30' 7	15.05%	75,961	1,809	287,545	287.54	283.0	120.73	16.67	7.94	2,247.0	34,167	5,546.4	
5' 0	30' 6	15.31%	77,252	1,839	292,431	292.43	287.81	120.73	16.67	7.98	2,296.7	34,747	5,546.4	
5' 1	30' 5	15.56%	78,543	1,870	297,317	297.32	292.62	120.73	16.68	8.02	2,346.8	35,328	5,546.4	
5' 2	30' 4	15.82%	79,834	1,901	302,204	302.20	297.42	120.73	16.68	8.07	2,400.2	35,908	5,546.4	
5' 3	30' 3	16.07%	81,125	1,932	307,090	307.09	302.23	120.73	16.69	8.11	2,451.1	36,488	5,546.4	
5' 4	30' 2	16.33%	82,416	1,962	311,977	311.98	307.04	120.73	16.69	8.15	2,502.4	37,069	5,546.4	
5' 5	30' 1	16.59%	83,706	1,993	316,863	316.86	311.85	120.73	16.69	8.19	2,554.1	37,650	5,546.4	
5' 6	30' 0	16.84%	84,997	2,024	321,750	321.75	316.66	120.73	16.70	8.23	2,606.1	38,230	5,546.4	

Tank		Oil #2 PORT											
Specific Gravity		1											
Trim		0											
Capacity		12,017 BBL											
Label(s)		Oil#2.p											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
5' 7	29' 11	17.10%	86,288	2,054	326,636	326.64	<b>321.47</b>	120.73	16.70	8.27	<b>2,658.6</b>	<b>38,811</b>	5,546.4
5' 8	29' 10	17.35%	87,579	2,085	331,523	331.52	<b>326.28</b>	120.73	16.71	8.32	<b>2,714.6</b>	<b>39,392</b>	5,546.4
5' 9	29' 9	17.61%	88,870	2,116	336,409	336.41	<b>331.09</b>	120.73	16.71	8.36	<b>2,767.9</b>	<b>39,972</b>	5,546.4
5' 10	29' 8	17.86%	90,161	2,147	341,296	341.30	<b>335.90</b>	120.73	16.71	8.40	<b>2,821.6</b>	<b>40,553</b>	5,546.4
5' 11	29' 7	18.12%	91,452	2,177	346,182	346.18	<b>340.71</b>	120.73	16.72	8.44	<b>2,875.6</b>	<b>41,134</b>	5,546.4
6' 0	29' 6	18.38%	92,742	2,208	351,068	351.07	<b>345.52</b>	120.73	16.72	8.48	<b>2,930.0</b>	<b>41,715</b>	5,546.4
6' 1	29' 5	18.63%	94,033	2,239	355,955	355.95	<b>350.33</b>	120.73	16.73	8.52	<b>2,984.8</b>	<b>42,295</b>	5,546.4
6' 2	29' 4	18.89%	95,324	2,270	360,841	360.84	<b>355.13</b>	120.73	16.73	8.57	<b>3,043.5</b>	<b>42,875</b>	5,546.4
6' 3	29' 3	19.14%	96,615	2,300	365,728	365.73	<b>359.94</b>	120.73	16.73	8.61	<b>3,099.1</b>	<b>43,456</b>	5,546.4
6' 4	29' 2	19.40%	97,906	2,331	370,614	370.61	<b>364.75</b>	120.73	16.74	8.65	<b>3,155.1</b>	<b>44,036</b>	5,546.4
6' 5	29' 1	19.65%	99,197	2,362	375,501	375.50	<b>369.56</b>	120.73	16.74	8.69	<b>3,211.5</b>	<b>44,617</b>	5,546.4
6' 6	29' 0	19.91%	100,488	2,393	380,387	380.39	<b>374.37</b>	120.73	16.74	8.73	<b>3,268.3</b>	<b>45,198</b>	5,546.4
6' 7	28' 11	20.17%	101,779	2,423	385,274	385.27	<b>379.18</b>	120.73	16.75	8.78	<b>3,329.2</b>	<b>45,778</b>	5,546.4
6' 8	28' 10	20.42%	103,069	2,454	390,160	390.16	<b>383.99</b>	120.73	16.75	8.82	<b>3,386.8</b>	<b>46,359</b>	5,546.4
6' 9	28' 9	20.68%	104,360	2,485	395,046	395.05	<b>388.80</b>	120.73	16.75	8.86	<b>3,444.8</b>	<b>46,940</b>	5,546.4
6' 10	28' 8	20.93%	105,651	2,516	399,933	399.93	<b>393.61</b>	120.73	16.75	8.90	<b>3,503.1</b>	<b>47,521</b>	5,546.4
6' 11	28' 7	21.19%	106,942	2,546	404,820	404.82	<b>398.42</b>	120.73	16.76	8.94	<b>3,561.9</b>	<b>48,101</b>	5,546.4
7' 0	28' 6	21.44%	108,233	2,577	409,706	409.71	<b>403.23</b>	120.73	16.76	8.98	<b>3,621.0</b>	<b>48,682</b>	5,546.4
7' 1	28' 5	21.70%	109,524	2,608	414,592	414.59	<b>408.04</b>	120.73	16.76	9.03	<b>3,684.6</b>	<b>49,263</b>	5,546.4
7' 2	28' 4	21.96%	110,815	2,638	419,479	419.48	<b>412.84</b>	120.72	16.76	9.07	<b>3,744.5</b>	<b>49,838</b>	5,546.4
7' 3	28' 3	22.21%	112,105	2,669	424,365	424.37	<b>417.65</b>	120.72	16.77	9.11	<b>3,804.8</b>	<b>50,419</b>	5,546.4
7' 4	28' 2	22.47%	113,396	2,700	429,252	429.25	<b>422.46</b>	120.72	16.77	9.15	<b>3,865.5</b>	<b>50,999</b>	5,546.4
7' 5	28' 1	22.72%	114,687	2,731	434,138	434.14	<b>427.27</b>	120.72	16.77	9.19	<b>3,926.6</b>	<b>51,580</b>	5,546.4
7' 6	28' 0	22.98%	115,978	2,761	439,024	439.02	<b>432.08</b>	120.72	16.77	9.23	<b>3,988.1</b>	<b>52,161</b>	5,546.4
7' 7	27' 11	23.24%	117,269	2,792	443,911	443.91	<b>436.89</b>	120.72	16.78	9.28	<b>4,054.3</b>	<b>52,741</b>	5,546.4
7' 8	27' 10	23.49%	118,560	2,823	448,798	448.80	<b>441.70</b>	120.72	16.78	9.32	<b>4,116.6</b>	<b>53,322</b>	5,546.4
7' 9	27' 9	23.75%	119,851	2,854	453,684	453.68	<b>446.51</b>	120.72	16.78	9.36	<b>4,179.3</b>	<b>53,903</b>	5,546.4
7' 10	27' 8	24.00%	121,142	2,884	458,570	458.57	<b>451.32</b>	120.72	16.78	9.40	<b>4,242.4</b>	<b>54,483</b>	5,546.4
7' 11	27' 7	24.26%	122,432	2,915	463,457	463.46	<b>456.13</b>	120.72	16.79	9.44	<b>4,305.9</b>	<b>55,064</b>	5,546.4
8' 0	27' 6	24.51%	123,723	2,946	468,343	468.34	<b>460.94</b>	120.72	16.79	9.48	<b>4,369.7</b>	<b>55,645</b>	5,546.4
8' 1	27' 5	24.77%	125,014	2,977	473,230	473.23	<b>465.75</b>	120.72	16.79	9.53	<b>4,438.6</b>	<b>56,225</b>	5,546.4
8' 2	27' 4	25.03%	126,305	3,007	478,116	478.12	<b>470.55</b>	120.72	16.79	9.57	<b>4,503.2</b>	<b>56,805</b>	5,546.4
8' 3	27' 3	25.28%	127,596	3,038	483,003	483.0	<b>475.36</b>	120.72	16.79	9.61	<b>4,568.2</b>	<b>57,385</b>	5,546.4

Tank		Oil #2 PORT											
Specific Gravity		1											
Trim		0											
Capacity		12,017 BBL											
Label(s)		Oil#2.p											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
8' 4	27' 2	25.54%	128,887	3,069	487,889	487.89	<b>480.17</b>	120.72	16.79	9.65	<b>4,633.6</b>	<b>57,966</b>	5,546.4
8' 5	27' 1	25.79%	130,178	3,099	492,775	492.78	<b>484.98</b>	120.72	16.80	9.69	<b>4,699.5</b>	<b>58,547</b>	5,546.4
8' 6	27' 0	26.05%	131,468	3,130	497,662	497.66	<b>489.79</b>	120.72	16.80	9.73	<b>4,765.7</b>	<b>59,127</b>	5,546.4
8' 7	26' 11	26.30%	132,759	3,161	502,548	502.55	<b>494.60</b>	120.72	16.80	9.78	<b>4,837.2</b>	<b>59,708</b>	5,546.4
8' 8	26' 10	26.56%	134,050	3,192	507,434	507.43	<b>499.41</b>	120.72	16.80	9.82	<b>4,904.2</b>	<b>60,289</b>	5,546.4
8' 9	26' 9	26.82%	135,341	3,222	512,321	512.32	<b>504.22</b>	120.72	16.80	9.86	<b>4,971.6</b>	<b>60,869</b>	5,546.4
8' 10	26' 8	27.07%	136,632	3,253	517,207	517.21	<b>509.03</b>	120.72	16.81	9.90	<b>5,039.4</b>	<b>61,450</b>	5,546.4
8' 11	26' 7	27.33%	137,923	3,284	522,094	522.09	<b>513.84</b>	120.72	16.81	9.94	<b>5,107.6</b>	<b>62,031</b>	5,546.4
9' 0	26' 6	27.58%	139,214	3,315	526,980	526.98	<b>518.65</b>	120.72	16.81	9.98	<b>5,176.1</b>	<b>62,611</b>	5,546.4
9' 1	26' 5	27.84%	140,504	3,345	531,867	531.87	<b>523.46</b>	120.72	16.81	10.03	<b>5,250.3</b>	<b>63,192</b>	5,546.4
9' 2	26' 4	28.09%	141,795	3,376	536,753	536.75	<b>528.26</b>	120.72	16.81	10.07	<b>5,319.6</b>	<b>63,772</b>	5,546.4
9' 3	26' 3	28.35%	143,086	3,407	541,639	541.64	<b>533.07</b>	120.72	16.81	10.11	<b>5,389.3</b>	<b>64,352</b>	5,546.4
9' 4	26' 2	28.61%	144,377	3,438	546,526	546.53	<b>537.88</b>	120.72	16.81	10.15	<b>5,459.5</b>	<b>64,933</b>	5,546.4
9' 5	26' 1	28.86%	145,668	3,468	551,413	551.41	<b>542.69</b>	120.72	16.82	10.19	<b>5,530.0</b>	<b>65,514</b>	5,546.4
9' 6	26' 0	29.12%	146,959	3,499	556,299	556.30	<b>547.50</b>	120.72	16.82	10.23	<b>5,600.9</b>	<b>66,094</b>	5,546.4
9' 7	25' 11	29.37%	148,250	3,530	561,185	561.19	<b>552.31</b>	120.72	16.82	10.28	<b>5,677.7</b>	<b>66,675</b>	5,546.4
9' 8	25' 10	29.63%	149,540	3,560	566,072	566.07	<b>557.12</b>	120.72	16.82	10.32	<b>5,749.5</b>	<b>67,256</b>	5,546.4
9' 9	25' 9	29.89%	150,831	3,591	570,958	570.96	<b>561.93</b>	120.72	16.82	10.36	<b>5,821.6</b>	<b>67,836</b>	5,546.4
9' 10	25' 8	30.14%	152,122	3,622	575,845	575.84	<b>566.74</b>	120.72	16.82	10.40	<b>5,894.1</b>	<b>68,417</b>	5,546.4
9' 11	25' 7	30.40%	153,413	3,653	580,731	580.73	<b>571.55</b>	120.72	16.82	10.44	<b>5,967.0</b>	<b>68,998</b>	5,546.4
10' 0	25' 6	30.65%	154,704	3,683	585,618	585.62	<b>576.36</b>	120.72	16.83	10.48	<b>6,040.3</b>	<b>69,578</b>	5,546.4
10' 1	25' 5	30.91%	155,995	3,714	590,504	590.50	<b>581.16</b>	120.72	16.83	10.53	<b>6,119.6</b>	<b>70,158</b>	5,546.4
10' 2	25' 4	31.16%	157,285	3,745	595,390	595.39	<b>585.97</b>	120.72	16.83	10.57	<b>6,193.7</b>	<b>70,738</b>	5,546.4
10' 3	25' 3	31.42%	158,576	3,776	600,277	600.28	<b>590.78</b>	120.72	16.83	10.61	<b>6,268.2</b>	<b>71,319</b>	5,546.4
10' 4	25' 2	31.68%	159,867	3,806	605,163	605.16	<b>595.59</b>	120.72	16.83	10.65	<b>6,343.0</b>	<b>71,900</b>	5,546.4
10' 5	25' 1	31.93%	161,158	3,837	610,049	610.05	<b>600.40</b>	120.72	16.83	10.69	<b>6,418.3</b>	<b>72,480</b>	5,546.4
10' 6	25' 0	32.19%	162,449	3,868	614,936	614.94	<b>605.21</b>	120.72	16.83	10.73	<b>6,493.9</b>	<b>73,061</b>	5,546.4
10' 7	24' 11	32.44%	163,740	3,899	619,823	619.82	<b>610.02</b>	120.72	16.83	10.78	<b>6,576.0</b>	<b>73,642</b>	5,546.4
10' 8	24' 10	32.70%	165,031	3,929	624,709	624.71	<b>614.83</b>	120.72	16.84	10.82	<b>6,652.5</b>	<b>74,222</b>	5,546.4
10' 9	24' 9	32.95%	166,322	3,960	629,595	629.60	<b>619.64</b>	120.72	16.84	10.86	<b>6,729.3</b>	<b>74,803</b>	5,546.4
10' 10	24' 8	33.21%	167,612	3,991	634,482	634.48	<b>624.45</b>	120.72	16.84	10.90	<b>6,806.5</b>	<b>75,384</b>	5,546.4
10' 11	24' 7	33.47%	168,903	4,022	639,368	639.37	<b>629.26</b>	120.72	16.84	10.94	<b>6,884.1</b>	<b>75,964</b>	5,546.4
11' 0	24' 6	33.72%	170,194	4,052	644,254	644.25	<b>634.07</b>	120.72	16.84	10.98	<b>6,962.1</b>	<b>76,545</b>	5,546.4

Tank		Oil #2 PORT											
Specific Gravity		1											
Trim		0											
Capacity		12,017 BBL											
Label(s)		Oil#2.p											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
11' 1	24' 5	33.98%	171,485	4,083	649,141	649.14	<b>638.87</b>	120.72	16.84	11.03	<b>7,046.7</b>	<b>77,124</b>	5,546.4
11' 2	24' 4	34.23%	172,776	4,114	654,027	654.03	<b>643.68</b>	120.72	16.84	11.07	<b>7,125.5</b>	<b>77,705</b>	5,546.4
11' 3	24' 3	34.49%	174,067	4,144	658,914	658.91	<b>648.49</b>	120.72	16.84	11.11	<b>7,204.7</b>	<b>78,286</b>	5,546.4
11' 4	24' 2	34.74%	175,357	4,175	663,800	663.80	<b>653.30</b>	120.72	16.84	11.15	<b>7,284.3</b>	<b>78,866</b>	5,546.4
11' 5	24' 1	35.00%	176,648	4,206	668,687	668.69	<b>658.11</b>	120.72	16.85	11.19	<b>7,364.3</b>	<b>79,447</b>	5,546.4
11' 6	24' 0	35.26%	177,939	4,237	673,573	673.57	<b>662.92</b>	120.72	16.85	11.23	<b>7,444.6</b>	<b>80,028</b>	5,546.4
11' 7	23' 11	35.51%	179,230	4,267	678,459	678.46	<b>667.73</b>	120.72	16.85	11.28	<b>7,532.0</b>	<b>80,608</b>	5,546.4
11' 8	23' 10	35.77%	180,521	4,298	683,346	683.35	<b>672.54</b>	120.72	16.85	11.32	<b>7,613.2</b>	<b>81,189</b>	5,546.4
11' 9	23' 9	36.02%	181,812	4,329	688,232	688.23	<b>677.35</b>	120.72	16.85	11.36	<b>7,694.7</b>	<b>81,770</b>	5,546.4
11' 10	23' 8	36.28%	183,103	4,360	693,118	693.12	<b>682.16</b>	120.72	16.85	11.40	<b>7,776.6</b>	<b>82,350</b>	5,546.4
11' 11	23' 7	36.54%	184,394	4,390	698,005	698.01	<b>686.97</b>	120.72	16.85	11.44	<b>7,858.9</b>	<b>82,931</b>	5,546.4
12' 0	23' 6	36.79%	185,684	4,421	702,892	702.89	<b>691.77</b>	120.72	16.85	11.48	<b>7,941.5</b>	<b>83,510</b>	5,546.4
12' 1	23' 5	37.05%	186,975	4,452	707,778	707.78	<b>696.58</b>	120.72	16.85	11.53	<b>8,031.6</b>	<b>84,091</b>	5,546.4
12' 2	23' 4	37.30%	188,266	4,483	712,664	712.66	<b>701.39</b>	120.72	16.85	11.57	<b>8,115.1</b>	<b>84,672</b>	5,546.4
12' 3	23' 3	37.56%	189,557	4,513	717,551	717.55	<b>706.20</b>	120.72	16.85	11.61	<b>8,199.0</b>	<b>85,252</b>	5,546.4
12' 4	23' 2	37.81%	190,848	4,544	722,437	722.44	<b>711.01</b>	120.72	16.86	11.65	<b>8,283.3</b>	<b>85,833</b>	5,546.4
12' 5	23' 1	38.07%	192,139	4,575	727,324	727.32	<b>715.82</b>	120.72	16.86	11.69	<b>8,367.9</b>	<b>86,414</b>	5,546.4
12' 6	23' 0	38.33%	193,429	4,605	732,210	732.21	<b>720.63</b>	120.72	16.86	11.73	<b>8,453.0</b>	<b>86,994</b>	5,546.4
12' 7	22' 11	38.58%	194,720	4,636	737,097	737.10	<b>725.44</b>	120.72	16.86	11.78	<b>8,545.7</b>	<b>87,575</b>	5,546.4
12' 8	22' 10	38.84%	196,011	4,667	741,983	741.98	<b>730.25</b>	120.72	16.86	11.82	<b>8,631.6</b>	<b>88,156</b>	5,546.4
12' 9	22' 9	39.09%	197,302	4,698	746,869	746.87	<b>735.06</b>	120.72	16.86	11.86	<b>8,717.8</b>	<b>88,736</b>	5,546.4
12' 10	22' 8	39.35%	198,593	4,728	751,756	751.76	<b>739.87</b>	120.72	16.86	11.90	<b>8,804.5</b>	<b>89,317</b>	5,546.4
12' 11	22' 7	39.60%	199,884	4,759	756,642	756.64	<b>744.68</b>	120.72	16.86	11.94	<b>8,891.5</b>	<b>89,898</b>	5,546.4
13' 0	22' 6	39.86%	201,175	4,790	761,528	761.53	<b>749.48</b>	120.72	16.86	11.98	<b>8,978.8</b>	<b>90,477</b>	5,546.4
13' 1	22' 5	40.12%	202,465	4,821	766,415	766.41	<b>754.29</b>	120.72	16.86	12.03	<b>9,074.1</b>	<b>91,058</b>	5,546.4
13' 2	22' 4	40.37%	203,756	4,851	771,301	771.30	<b>759.10</b>	120.72	16.86	12.07	<b>9,162.3</b>	<b>91,639</b>	5,546.4
13' 3	22' 3	40.63%	205,047	4,882	776,188	776.19	<b>763.91</b>	120.72	16.86	12.11	<b>9,251.0</b>	<b>92,219</b>	5,546.4
13' 4	22' 2	40.88%	206,338	4,913	781,074	781.07	<b>768.72</b>	120.72	16.86	12.15	<b>9,339.9</b>	<b>92,800</b>	5,546.4
13' 5	22' 1	41.14%	207,629	4,944	785,961	785.96	<b>773.53</b>	120.72	16.87	12.19	<b>9,429.3</b>	<b>93,381</b>	5,546.4
13' 6	22' 0	41.39%	208,920	4,974	790,847	790.85	<b>778.34</b>	120.72	16.87	12.23	<b>9,519.1</b>	<b>93,961</b>	5,546.4
13' 7	21' 11	41.65%	210,211	5,005	795,733	795.73	<b>783.15</b>	120.72	16.87	12.28	<b>9,617.1</b>	<b>94,542</b>	5,546.4
13' 8	21' 10	41.91%	211,501	5,036	800,620	800.62	<b>787.96</b>	120.72	16.87	12.32	<b>9,707.7</b>	<b>95,123</b>	5,546.4
13' 9	21' 9	42.16%	212,792	5,066	805,506	805.51	<b>792.77</b>	120.72	16.87	12.36	<b>9,798.6</b>	<b>95,703</b>	5,546.4

Tank		Oil #2 PORT												
Specific Gravity		1												
Trim		0												
Capacity		12,017 BBL												
Label(s)		Oil#2.p												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
13' 10	21' 8	42.42%	214,083	5,097	810,393	810.39	<b>797.58</b>	120.72	16.87	12.40	<b>9,890.0</b>	<b>96,284</b>	5,546.4	
13' 11	21' 7	42.67%	215,374	5,128	815,279	815.28	<b>802.38</b>	120.72	16.87	12.44	<b>9,981.6</b>	<b>96,863</b>	5,546.4	
14' 0	21' 6	42.93%	216,665	5,159	820,165	820.17	<b>807.19</b>	120.72	16.87	12.48	<b>10,073.7</b>	<b>97,444</b>	5,546.4	
14' 1	21' 5	43.19%	217,956	5,189	825,052	825.05	<b>812.0</b>	120.71	16.87	12.53	<b>10,174.4</b>	<b>98,017</b>	5,546.4	
14' 2	21' 4	43.44%	219,247	5,220	829,938	829.94	<b>816.81</b>	120.71	16.87	12.57	<b>10,267.3</b>	<b>98,597</b>	5,546.4	
14' 3	21' 3	43.70%	220,537	5,251	834,825	834.82	<b>821.62</b>	120.71	16.87	12.61	<b>10,360.6</b>	<b>99,178</b>	5,546.4	
14' 4	21' 2	43.95%	221,828	5,282	839,711	839.71	<b>826.43</b>	120.71	16.87	12.65	<b>10,454.3</b>	<b>99,758</b>	5,546.4	
14' 5	21' 1	44.21%	223,119	5,312	844,598	844.60	<b>831.24</b>	120.71	16.87	12.69	<b>10,548.4</b>	<b>100,339</b>	5,546.4	
14' 6	21' 0	44.46%	224,410	5,343	849,484	849.48	<b>836.05</b>	120.71	16.87	12.73	<b>10,642.9</b>	<b>100,920</b>	5,546.4	
14' 7	20' 11	44.72%	225,701	5,374	854,370	854.37	<b>840.86</b>	120.71	16.87	12.78	<b>10,746.2</b>	<b>101,500</b>	5,546.4	
14' 8	20' 10	44.98%	226,992	5,405	859,257	859.26	<b>845.67</b>	120.71	16.88	12.82	<b>10,841.5</b>	<b>102,081</b>	5,546.4	
14' 9	20' 9	45.23%	228,283	5,435	864,143	864.14	<b>850.48</b>	120.71	16.88	12.86	<b>10,937.2</b>	<b>102,661</b>	5,546.4	
14' 10	20' 8	45.49%	229,573	5,466	869,029	869.03	<b>855.29</b>	120.71	16.88	12.90	<b>11,033.2</b>	<b>103,242</b>	5,546.4	
14' 11	20' 7	45.74%	230,864	5,497	873,916	873.92	<b>860.09</b>	120.71	16.88	12.94	<b>11,129.6</b>	<b>103,821</b>	5,546.4	
15' 0	20' 6	46.00%	232,155	5,528	878,803	878.80	<b>864.90</b>	120.71	16.88	12.98	<b>11,226.4</b>	<b>104,402</b>	5,546.4	
15' 1	20' 5	46.25%	233,446	5,558	883,689	883.69	<b>869.71</b>	120.71	16.88	13.03	<b>11,332.3</b>	<b>104,983</b>	5,546.4	
15' 2	20' 4	46.51%	234,737	5,589	888,575	888.58	<b>874.52</b>	120.71	16.88	13.07	<b>11,430.0</b>	<b>105,563</b>	5,546.4	
15' 3	20' 3	46.77%	236,028	5,620	893,462	893.46	<b>879.33</b>	120.71	16.88	13.11	<b>11,528.0</b>	<b>106,144</b>	5,546.4	
15' 4	20' 2	47.02%	237,319	5,650	898,348	898.35	<b>884.14</b>	120.71	16.88	13.15	<b>11,626.4</b>	<b>106,725</b>	5,546.4	
15' 5	20' 1	47.28%	238,609	5,681	903,235	903.23	<b>888.95</b>	120.71	16.88	13.19	<b>11,725.3</b>	<b>107,305</b>	5,546.4	
15' 6	20' 0	47.53%	239,900	5,712	908,121	908.12	<b>893.76</b>	120.71	16.88	13.23	<b>11,824.4</b>	<b>107,886</b>	5,546.4	
15' 7	19' 11	47.79%	241,191	5,743	913,007	913.01	<b>898.57</b>	120.71	16.88	13.28	<b>11,933.0</b>	<b>108,466</b>	5,546.4	
15' 8	19' 10	48.04%	242,482	5,773	917,894	917.89	<b>903.38</b>	120.71	16.88	13.32	<b>12,033.0</b>	<b>109,047</b>	5,546.4	
15' 9	19' 9	48.30%	243,773	5,804	922,780	922.78	<b>908.19</b>	120.71	16.88	13.36	<b>12,133.4</b>	<b>109,628</b>	5,546.4	
15' 10	19' 8	48.56%	245,064	5,835	927,667	927.67	<b>913.0</b>	120.71	16.88	13.40	<b>12,234.2</b>	<b>110,208</b>	5,546.4	
15' 11	19' 7	48.81%	246,355	5,866	932,553	932.55	<b>917.80</b>	120.71	16.88	13.44	<b>12,335.2</b>	<b>110,788</b>	5,546.4	
16' 0	19' 6	49.07%	247,645	5,896	937,439	937.44	<b>922.61</b>	120.71	16.88	13.48	<b>12,436.8</b>	<b>111,368</b>	5,546.4	
16' 1	19' 5	49.32%	248,936	5,927	942,326	942.33	<b>927.42</b>	120.71	16.88	13.53	<b>12,548.0</b>	<b>111,949</b>	5,546.4	
16' 2	19' 4	49.58%	250,227	5,958	947,212	947.21	<b>932.23</b>	120.71	16.89	13.57	<b>12,650.4</b>	<b>112,529</b>	5,546.4	
16' 3	19' 3	49.84%	251,518	5,989	952,099	952.10	<b>937.04</b>	120.71	16.89	13.61	<b>12,753.1</b>	<b>113,110</b>	5,546.4	
16' 4	19' 2	50.09%	252,809	6,019	956,985	956.99	<b>941.85</b>	120.71	16.89	13.65	<b>12,856.3</b>	<b>113,691</b>	5,546.4	
16' 5	19' 1	50.35%	254,100	6,050	961,872	961.87	<b>946.66</b>	120.71	16.89	13.69	<b>12,959.8</b>	<b>114,271</b>	5,546.4	
16' 6	19' 0	50.60%	255,391	6,081	966,758	966.76	<b>951.47</b>	120.71	16.89	13.73	<b>13,063.7</b>	<b>114,852</b>	5,546.4	



Tank		Oil #2 PORT											
Specific Gravity		1											
Trim		0											
Capacity		12,017 BBL											
Label(s)		Oil#2.p											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
16' 7	18' 11	50.86%	256,681	6,111	971,645	971.64	<b>956.28</b>	120.71	16.89	13.78	<b>13,177.5</b>	<b>115,433</b>	5,546.4
16' 8	18' 10	51.11%	257,972	6,142	976,531	976.53	<b>961.09</b>	120.71	16.89	13.82	<b>13,282.3</b>	<b>116,013</b>	5,546.4
16' 9	18' 9	51.37%	259,263	6,173	981,418	981.42	<b>965.90</b>	120.71	16.89	13.86	<b>13,387.4</b>	<b>116,594</b>	5,546.4
16' 10	18' 8	51.63%	260,554	6,204	986,304	986.30	<b>970.71</b>	120.71	16.89	13.90	<b>13,492.9</b>	<b>117,174</b>	5,546.4
16' 11	18' 7	51.88%	261,845	6,234	991,190	991.19	<b>975.51</b>	120.71	16.89	13.94	<b>13,598.6</b>	<b>117,754</b>	5,546.4
17' 0	18' 6	52.14%	263,136	6,265	996,077	996.08	<b>980.32</b>	120.71	16.89	13.98	<b>13,704.9</b>	<b>118,334</b>	5,546.4
17' 1	18' 5	52.39%	264,427	6,296	1,000,964	1,000.96	<b>985.13</b>	120.71	16.89	14.03	<b>13,821.4</b>	<b>118,915</b>	5,546.4
17' 2	18' 4	52.65%	265,717	6,327	1,005,850	1,005.85	<b>989.94</b>	120.71	16.89	14.07	<b>13,928.5</b>	<b>119,496</b>	5,546.4
17' 3	18' 3	52.90%	267,008	6,357	1,010,736	1,010.74	<b>994.75</b>	120.71	16.89	14.11	<b>14,035.9</b>	<b>120,076</b>	5,546.4
17' 4	18' 2	53.16%	268,299	6,388	1,015,623	1,015.62	<b>999.56</b>	120.71	16.89	14.15	<b>14,143.8</b>	<b>120,657</b>	5,546.4
17' 5	18' 1	53.42%	269,590	6,419	1,020,509	1,020.51	<b>1,004.37</b>	120.71	16.89	14.19	<b>14,252.0</b>	<b>121,238</b>	5,546.4
17' 6	18' 0	53.67%	270,881	6,450	1,025,396	1,025.40	<b>1,009.18</b>	120.71	16.89	14.23	<b>14,360.6</b>	<b>121,818</b>	5,546.4
17' 7	17' 11	53.93%	272,172	6,480	1,030,282	1,030.28	<b>1,013.99</b>	120.71	16.89	14.28	<b>14,479.8</b>	<b>122,399</b>	5,546.4
17' 8	17' 10	54.18%	273,463	6,511	1,035,169	1,035.17	<b>1,018.80</b>	120.71	16.89	14.32	<b>14,589.2</b>	<b>122,979</b>	5,546.4
17' 9	17' 9	54.44%	274,754	6,542	1,040,055	1,040.06	<b>1,023.61</b>	120.71	16.89	14.36	<b>14,699.0</b>	<b>123,560</b>	5,546.4
17' 10	17' 8	54.69%	276,045	6,572	1,044,942	1,044.94	<b>1,028.42</b>	120.71	16.89	14.40	<b>14,809.2</b>	<b>124,141</b>	5,546.4
17' 11	17' 7	54.95%	277,335	6,603	1,049,828	1,049.83	<b>1,033.22</b>	120.71	16.89	14.44	<b>14,919.7</b>	<b>124,720</b>	5,546.4
18' 0	17' 6	55.21%	278,626	6,634	1,054,715	1,054.71	<b>1,038.03</b>	120.71	16.89	14.48	<b>15,030.7</b>	<b>125,301</b>	5,546.4
18' 1	17' 5	55.46%	279,917	6,665	1,059,601	1,059.60	<b>1,042.84</b>	120.71	16.90	14.53	<b>15,152.5</b>	<b>125,881</b>	5,546.4
18' 2	17' 4	55.72%	281,208	6,695	1,064,488	1,064.49	<b>1,047.65</b>	120.71	16.90	14.57	<b>15,264.3</b>	<b>126,462</b>	5,546.4
18' 3	17' 3	55.97%	282,499	6,726	1,069,374	1,069.37	<b>1,052.46</b>	120.71	16.90	14.61	<b>15,376.4</b>	<b>127,042</b>	5,546.4
18' 4	17' 2	56.23%	283,790	6,757	1,074,261	1,074.26	<b>1,057.27</b>	120.71	16.90	14.65	<b>15,489.0</b>	<b>127,623</b>	5,546.4
18' 5	17' 1	56.49%	285,081	6,788	1,079,147	1,079.15	<b>1,062.08</b>	120.71	16.90	14.69	<b>15,602.0</b>	<b>128,204</b>	5,546.4
18' 6	17' 0	56.74%	286,371	6,818	1,084,034	1,084.03	<b>1,066.89</b>	120.71	16.90	14.73	<b>15,715.3</b>	<b>128,784</b>	5,546.4
18' 7	16' 11	57.00%	287,662	6,849	1,088,920	1,088.92	<b>1,071.70</b>	120.71	16.90	14.78	<b>15,839.7</b>	<b>129,365</b>	5,546.4
18' 8	16' 10	57.25%	288,953	6,880	1,093,806	1,093.81	<b>1,076.51</b>	120.71	16.90	14.82	<b>15,953.9</b>	<b>129,946</b>	5,546.4
18' 9	16' 9	57.51%	290,244	6,911	1,098,693	1,098.69	<b>1,081.32</b>	120.71	16.90	14.86	<b>16,068.4</b>	<b>130,526</b>	5,546.4
18' 10	16' 8	57.76%	291,535	6,941	1,103,579	1,103.58	<b>1,086.13</b>	120.71	16.90	14.90	<b>16,183.3</b>	<b>131,107</b>	5,546.4
18' 11	16' 7	58.02%	292,826	6,972	1,108,466	1,108.47	<b>1,090.93</b>	120.71	16.90	14.94	<b>16,298.5</b>	<b>131,686</b>	5,546.4
19' 0	16' 6	58.28%	294,117	7,003	1,113,352	1,113.35	<b>1,095.74</b>	120.71	16.90	14.98	<b>16,414.2</b>	<b>132,267</b>	5,546.4
19' 1	16' 5	58.53%	295,408	7,034	1,118,239	1,118.24	<b>1,100.55</b>	120.71	16.90	15.03	<b>16,541.3</b>	<b>132,847</b>	5,546.4
19' 2	16' 4	58.79%	296,698	7,064	1,123,125	1,123.12	<b>1,105.36</b>	120.71	16.90	15.07	<b>16,657.8</b>	<b>133,428</b>	5,546.4
19' 3	16' 3	59.04%	297,989	7,095	1,128,012	1,128.01	<b>1,110.17</b>	120.71	16.90	15.11	<b>16,774.7</b>	<b>134,009</b>	5,546.4

Tank		Oil #2 PORT											
Specific Gravity		1											
Trim		0											
Capacity		12,017 BBL											
Label(s)		Oil#2.p											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
19' 4	16' 2	59.30%	299,280	7,126	1,132,898	1,132.90	<b>1,114.98</b>	120.71	16.90	15.15	<b>16,891.9</b>	<b>134,589</b>	5,546.4
19' 5	16' 1	59.55%	300,571	7,156	1,137,785	1,137.78	<b>1,119.79</b>	120.71	16.90	15.19	<b>17,009.6</b>	<b>135,170</b>	5,546.4
19' 6	16' 0	59.81%	301,862	7,187	1,142,671	1,142.67	<b>1,124.60</b>	120.71	16.90	15.23	<b>17,127.7</b>	<b>135,750</b>	5,546.4
19' 7	15' 11	60.07%	303,153	7,218	1,147,557	1,147.56	<b>1,129.41</b>	120.71	16.90	15.28	<b>17,257.4</b>	<b>136,331</b>	5,546.4
19' 8	15' 10	60.32%	304,443	7,249	1,152,444	1,152.44	<b>1,134.22</b>	120.71	16.90	15.32	<b>17,376.3</b>	<b>136,912</b>	5,546.4
19' 9	15' 9	60.58%	305,734	7,279	1,157,331	1,157.33	<b>1,139.03</b>	120.71	16.90	15.36	<b>17,495.5</b>	<b>137,492</b>	5,546.4
19' 10	15' 8	60.83%	307,025	7,310	1,162,217	1,162.22	<b>1,143.84</b>	120.71	16.90	15.40	<b>17,615.1</b>	<b>138,073</b>	5,546.4
19' 11	15' 7	61.09%	308,316	7,341	1,167,103	1,167.10	<b>1,148.65</b>	120.71	16.90	15.44	<b>17,735.2</b>	<b>138,654</b>	5,546.4
20' 0	15' 6	61.34%	309,607	7,372	1,171,990	1,171.99	<b>1,153.45</b>	120.71	16.90	15.48	<b>17,855.4</b>	<b>139,233</b>	5,546.4
20' 1	15' 5	61.60%	310,898	7,402	1,176,877	1,176.88	<b>1,158.26</b>	120.71	16.90	15.53	<b>17,987.8</b>	<b>139,814</b>	5,546.4
20' 2	15' 4	61.86%	312,189	7,433	1,181,763	1,181.76	<b>1,163.07</b>	120.71	16.90	15.57	<b>18,109.0</b>	<b>140,394</b>	5,546.4
20' 3	15' 3	62.11%	313,480	7,464	1,186,649	1,186.65	<b>1,167.88</b>	120.71	16.90	15.61	<b>18,230.6</b>	<b>140,975</b>	5,546.4
20' 4	15' 2	62.37%	314,770	7,495	1,191,536	1,191.54	<b>1,172.69</b>	120.71	16.90	15.65	<b>18,352.6</b>	<b>141,555</b>	5,546.4
20' 5	15' 1	62.62%	316,061	7,525	1,196,422	1,196.42	<b>1,177.50</b>	120.71	16.91	15.69	<b>18,475.0</b>	<b>142,136</b>	5,546.4
20' 6	15' 0	62.88%	317,352	7,556	1,201,309	1,201.31	<b>1,182.31</b>	120.71	16.91	15.73	<b>18,597.7</b>	<b>142,717</b>	5,546.4
20' 7	14' 11	63.14%	318,643	7,587	1,206,195	1,206.19	<b>1,187.12</b>	120.71	16.91	15.78	<b>18,732.8</b>	<b>143,297</b>	5,546.4
20' 8	14' 10	63.39%	319,934	7,617	1,211,082	1,211.08	<b>1,191.93</b>	120.71	16.91	15.82	<b>18,856.3</b>	<b>143,878</b>	5,546.4
20' 9	14' 9	63.65%	321,225	7,648	1,215,968	1,215.97	<b>1,196.74</b>	120.71	16.91	15.86	<b>18,980.3</b>	<b>144,458</b>	5,546.4
20' 10	14' 8	63.90%	322,516	7,679	1,220,855	1,220.85	<b>1,201.55</b>	120.71	16.91	15.90	<b>19,104.6</b>	<b>145,039</b>	5,546.4
20' 11	14' 7	64.16%	323,807	7,710	1,225,741	1,225.74	<b>1,206.36</b>	120.71	16.91	15.94	<b>19,229.4</b>	<b>145,620</b>	5,546.4
21' 0	14' 6	64.41%	325,097	7,740	1,230,628	1,230.63	<b>1,211.16</b>	120.71	16.91	15.98	<b>19,354.3</b>	<b>146,199</b>	5,546.4
21' 1	14' 5	64.67%	326,388	7,771	1,235,514	1,235.51	<b>1,215.97</b>	120.71	16.91	16.03	<b>19,492.0</b>	<b>146,780</b>	5,546.4
21' 2	14' 4	64.93%	327,679	7,802	1,240,401	1,240.40	<b>1,220.78</b>	120.71	16.91	16.07	<b>19,617.9</b>	<b>147,360</b>	5,546.4
21' 3	14' 3	65.18%	328,970	7,833	1,245,287	1,245.29	<b>1,225.59</b>	120.71	16.91	16.11	<b>19,744.3</b>	<b>147,941</b>	5,546.4
21' 4	14' 2	65.44%	330,261	7,863	1,250,173	1,250.17	<b>1,230.40</b>	120.71	16.91	16.15	<b>19,871.0</b>	<b>148,522</b>	5,546.4
21' 5	14' 1	65.69%	331,552	7,894	1,255,060	1,255.06	<b>1,235.21</b>	120.71	16.91	16.19	<b>19,998.0</b>	<b>149,102</b>	5,546.4
21' 6	14' 0	65.95%	332,843	7,925	1,259,946	1,259.95	<b>1,240.02</b>	120.71	16.91	16.23	<b>20,125.5</b>	<b>149,683</b>	5,546.4
21' 7	13' 11	66.20%	334,133	7,956	1,264,833	1,264.83	<b>1,244.83</b>	120.71	16.91	16.28	<b>20,265.8</b>	<b>150,263</b>	5,546.4
21' 8	13' 10	66.46%	335,424	7,986	1,269,719	1,269.72	<b>1,249.64</b>	120.71	16.91	16.32	<b>20,394.1</b>	<b>150,844</b>	5,546.4
21' 9	13' 9	66.72%	336,715	8,017	1,274,606	1,274.61	<b>1,254.45</b>	120.71	16.91	16.36	<b>20,522.8</b>	<b>151,425</b>	5,546.4
21' 10	13' 8	66.97%	338,006	8,048	1,279,492	1,279.49	<b>1,259.26</b>	120.71	16.91	16.40	<b>20,651.9</b>	<b>152,005</b>	5,546.4
21' 11	13' 7	67.23%	339,297	8,078	1,284,378	1,284.38	<b>1,264.07</b>	120.71	16.91	16.44	<b>20,781.3</b>	<b>152,586</b>	5,546.4
22' 0	13' 6	67.48%	340,588	8,109	1,289,265	1,289.27	<b>1,268.87</b>	120.71	16.91	16.48	<b>20,911.0</b>	<b>153,165</b>	5,546.4

Tank		Oil #2 PORT												
Specific Gravity		1												
Trim		0												
Capacity		12,017 BBL												
Label(s)		Oil#2.p												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
22' 1	13' 5	67.74%	341,879	8,140	1,294,152	1,294.15	<b>1,273.68</b>	120.71	16.91	16.53	<b>21,053.9</b>	<b>153,746</b>	5,546.4	
22' 2	13' 4	67.99%	343,170	8,171	1,299,038	1,299.04	<b>1,278.49</b>	120.71	16.91	16.57	<b>21,184.6</b>	<b>154,327</b>	5,546.4	
22' 3	13' 3	68.25%	344,460	8,201	1,303,924	1,303.92	<b>1,283.30</b>	120.71	16.91	16.61	<b>21,315.6</b>	<b>154,907</b>	5,546.4	
22' 4	13' 2	68.51%	345,751	8,232	1,308,811	1,308.81	<b>1,288.11</b>	120.71	16.91	16.65	<b>21,447.0</b>	<b>155,488</b>	5,546.4	
22' 5	13' 1	68.76%	347,042	8,263	1,313,698	1,313.70	<b>1,292.92</b>	120.71	16.91	16.69	<b>21,578.8</b>	<b>156,068</b>	5,546.4	
22' 6	13' 0	69.02%	348,333	8,294	1,318,583	1,318.58	<b>1,297.73</b>	120.71	16.91	16.73	<b>21,711.0</b>	<b>156,649</b>	5,546.4	
22' 7	12' 11	69.27%	349,624	8,324	1,323,470	1,323.47	<b>1,302.54</b>	120.71	16.91	16.78	<b>21,856.6</b>	<b>157,230</b>	5,546.4	
22' 8	12' 10	69.53%	350,915	8,355	1,328,357	1,328.36	<b>1,307.35</b>	120.71	16.91	16.82	<b>21,989.6</b>	<b>157,810</b>	5,546.4	
22' 9	12' 9	69.79%	352,206	8,386	1,333,243	1,333.24	<b>1,312.16</b>	120.71	16.91	16.86	<b>22,123.0</b>	<b>158,391</b>	5,546.4	
22' 10	12' 8	70.04%	353,496	8,417	1,338,129	1,338.13	<b>1,316.97</b>	120.71	16.91	16.90	<b>22,256.8</b>	<b>158,971</b>	5,546.4	
22' 11	12' 7	70.30%	354,787	8,447	1,343,016	1,343.02	<b>1,321.78</b>	120.71	16.91	16.94	<b>22,391.0</b>	<b>159,552</b>	5,546.4	
23' 0	12' 6	70.55%	356,078	8,478	1,347,903	1,347.90	<b>1,326.59</b>	120.71	16.91	16.98	<b>22,525.5</b>	<b>160,133</b>	5,546.4	
23' 1	12' 5	70.81%	357,369	8,509	1,352,789	1,352.79	<b>1,331.39</b>	120.71	16.91	17.03	<b>22,673.6</b>	<b>160,712</b>	5,546.4	
23' 2	12' 4	71.06%	358,660	8,540	1,357,675	1,357.68	<b>1,336.20</b>	120.71	16.91	17.07	<b>22,808.9</b>	<b>161,293</b>	5,546.4	
23' 3	12' 3	71.32%	359,951	8,570	1,362,562	1,362.56	<b>1,341.01</b>	120.71	16.91	17.11	<b>22,944.7</b>	<b>161,873</b>	5,546.4	
23' 4	12' 2	71.58%	361,242	8,601	1,367,449	1,367.45	<b>1,345.82</b>	120.71	16.91	17.15	<b>23,080.8</b>	<b>162,454</b>	5,546.4	
23' 5	12' 1	71.83%	362,533	8,632	1,372,335	1,372.34	<b>1,350.63</b>	120.71	16.91	17.19	<b>23,217.3</b>	<b>163,035</b>	5,546.4	
23' 6	12' 0	72.09%	363,823	8,662	1,377,221	1,377.22	<b>1,355.44</b>	120.71	16.92	17.23	<b>23,354.2</b>	<b>163,615</b>	5,546.4	
23' 7	11' 11	72.34%	365,114	8,693	1,382,108	1,382.11	<b>1,360.25</b>	120.71	16.92	17.28	<b>23,505.1</b>	<b>164,196</b>	5,546.4	
23' 8	11' 10	72.60%	366,405	8,724	1,386,994	1,386.99	<b>1,365.06</b>	120.71	16.92	17.32	<b>23,642.8</b>	<b>164,776</b>	5,546.4	
23' 9	11' 9	72.85%	367,696	8,755	1,391,881	1,391.88	<b>1,369.87</b>	120.71	16.92	17.36	<b>23,780.9</b>	<b>165,357</b>	5,546.4	
23' 10	11' 8	73.11%	368,987	8,785	1,396,767	1,396.77	<b>1,374.68</b>	120.71	16.92	17.40	<b>23,919.4</b>	<b>165,938</b>	5,546.4	
23' 11	11' 7	73.37%	370,278	8,816	1,401,654	1,401.65	<b>1,379.49</b>	120.71	16.92	17.44	<b>24,058.3</b>	<b>166,518</b>	5,546.4	
24' 0	11' 6	73.62%	371,569	8,847	1,406,540	1,406.54	<b>1,384.30</b>	120.71	16.92	17.48	<b>24,197.6</b>	<b>167,099</b>	5,546.4	
24' 1	11' 5	73.88%	372,859	8,878	1,411,426	1,411.43	<b>1,389.10</b>	120.71	16.92	17.53	<b>24,350.9</b>	<b>167,678</b>	5,546.4	
24' 2	11' 4	74.13%	374,150	8,908	1,416,313	1,416.31	<b>1,393.91</b>	120.71	16.92	17.57	<b>24,491.0</b>	<b>168,259</b>	5,546.4	
24' 3	11' 3	74.39%	375,441	8,939	1,421,199	1,421.20	<b>1,398.72</b>	120.71	16.92	17.61	<b>24,631.5</b>	<b>168,839</b>	5,546.4	
24' 4	11' 2	74.64%	376,732	8,970	1,426,086	1,426.09	<b>1,403.53</b>	120.71	16.92	17.65	<b>24,772.3</b>	<b>169,420</b>	5,546.4	
24' 5	11' 1	74.90%	378,023	9,001	1,430,972	1,430.97	<b>1,408.34</b>	120.71	16.92	17.69	<b>24,913.5</b>	<b>170,001</b>	5,546.4	
24' 6	11' 0	75.16%	379,314	9,031	1,435,859	1,435.86	<b>1,413.15</b>	120.71	16.92	17.73	<b>25,055.1</b>	<b>170,581</b>	5,546.4	
24' 7	10' 11	75.41%	380,605	9,062	1,440,746	1,440.75	<b>1,417.96</b>	120.71	16.92	17.78	<b>25,211.3</b>	<b>171,162</b>	5,546.4	
24' 8	10' 10	75.67%	381,896	9,093	1,445,632	1,445.63	<b>1,422.77</b>	120.71	16.92	17.82	<b>25,353.8</b>	<b>171,743</b>	5,546.4	
24' 9	10' 9	75.92%	383,186	9,123	1,450,518	1,450.52	<b>1,427.58</b>	120.71	16.92	17.86	<b>25,496.6</b>	<b>172,323</b>	5,546.4	

Tank		Oil #2 PORT											
Specific Gravity		1											
Trim		0											
Capacity		12,017 BBL											
Label(s)		Oil#2.p											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
24' 10	10' 8	76.18%	384,477	9,154	1,455,405	1,455.40	<b>1,432.39</b>	120.71	16.92	17.90	<b>25,639.8</b>	<b>172,904</b>	5,546.4
24' 11	10' 7	76.44%	385,768	9,185	1,460,291	1,460.29	<b>1,437.20</b>	120.71	16.92	17.94	<b>25,783.4</b>	<b>173,484</b>	5,546.4
25' 0	10' 6	76.69%	387,059	9,216	1,465,178	1,465.18	<b>1,442.01</b>	120.71	16.92	17.98	<b>25,927.3</b>	<b>174,065</b>	5,546.4
25' 1	10' 5	76.95%	388,350	9,246	1,470,064	1,470.06	<b>1,446.81</b>	120.71	16.92	18.03	<b>26,086.0</b>	<b>174,644</b>	5,546.4
25' 2	10' 4	77.20%	389,641	9,277	1,474,950	1,474.95	<b>1,451.62</b>	120.71	16.92	18.07	<b>26,230.8</b>	<b>175,225</b>	5,546.4
25' 3	10' 3	77.46%	390,932	9,308	1,479,837	1,479.84	<b>1,456.43</b>	120.71	16.92	18.11	<b>26,375.9</b>	<b>175,806</b>	5,546.4
25' 4	10' 2	77.71%	392,223	9,339	1,484,724	1,484.72	<b>1,461.24</b>	120.71	16.92	18.15	<b>26,521.5</b>	<b>176,386</b>	5,546.4
25' 5	10' 1	77.97%	393,513	9,369	1,489,610	1,489.61	<b>1,466.05</b>	120.71	16.92	18.19	<b>26,667.4</b>	<b>176,967</b>	5,546.4
25' 6	10' 0	78.23%	394,804	9,400	1,494,496	1,494.50	<b>1,470.86</b>	120.71	16.92	18.23	<b>26,813.8</b>	<b>177,548</b>	5,546.4
25' 7	9' 11	78.48%	396,095	9,431	1,499,383	1,499.38	<b>1,475.67</b>	120.71	16.92	18.28	<b>26,975.2</b>	<b>178,128</b>	5,546.4
25' 8	9' 10	78.74%	397,386	9,462	1,504,270	1,504.27	<b>1,480.48</b>	120.71	16.92	18.32	<b>27,122.4</b>	<b>178,709</b>	5,546.4
25' 9	9' 9	78.99%	398,677	9,492	1,509,156	1,509.16	<b>1,485.29</b>	120.71	16.92	18.36	<b>27,269.9</b>	<b>179,289</b>	5,546.4
25' 10	9' 8	79.25%	399,968	9,523	1,514,042	1,514.04	<b>1,490.10</b>	120.71	16.92	18.40	<b>27,417.8</b>	<b>179,870</b>	5,546.4
25' 11	9' 7	79.50%	401,259	9,554	1,518,929	1,518.93	<b>1,494.91</b>	120.71	16.92	18.44	<b>27,566.1</b>	<b>180,451</b>	5,546.4
26' 0	9' 6	79.76%	402,549	9,585	1,523,815	1,523.81	<b>1,499.71</b>	120.71	16.92	18.48	<b>27,714.6</b>	<b>181,030</b>	5,546.4
26' 1	9' 5	80.02%	403,840	9,615	1,528,702	1,528.70	<b>1,504.52</b>	120.71	16.92	18.53	<b>27,878.8</b>	<b>181,611</b>	5,546.4
26' 2	9' 4	80.27%	405,131	9,646	1,533,588	1,533.59	<b>1,509.33</b>	120.71	16.92	18.57	<b>28,028.3</b>	<b>182,191</b>	5,546.4
26' 3	9' 3	80.53%	406,422	9,677	1,538,475	1,538.47	<b>1,514.14</b>	120.71	16.92	18.61	<b>28,178.1</b>	<b>182,772</b>	5,546.4
26' 4	9' 2	80.78%	407,713	9,707	1,543,361	1,543.36	<b>1,518.95</b>	120.71	16.92	18.65	<b>28,328.4</b>	<b>183,352</b>	5,546.4
26' 5	9' 1	81.04%	409,004	9,738	1,548,247	1,548.25	<b>1,523.76</b>	120.71	16.92	18.69	<b>28,479.1</b>	<b>183,933</b>	5,546.4
26' 6	9' 0	81.29%	410,295	9,769	1,553,134	1,553.13	<b>1,528.57</b>	120.71	16.92	18.73	<b>28,630.1</b>	<b>184,514</b>	5,546.4
26' 7	8' 11	81.55%	411,585	9,800	1,558,020	1,558.02	<b>1,533.38</b>	120.71	16.92	18.78	<b>28,796.9</b>	<b>185,094</b>	5,546.4
26' 8	8' 10	81.81%	412,876	9,830	1,562,907	1,562.91	<b>1,538.19</b>	120.71	16.92	18.82	<b>28,948.7</b>	<b>185,675</b>	5,546.4
26' 9	8' 9	82.06%	414,167	9,861	1,567,793	1,567.79	<b>1,543.0</b>	120.71	16.92	18.86	<b>29,101.0</b>	<b>186,256</b>	5,546.4
26' 10	8' 8	82.32%	415,458	9,892	1,572,680	1,572.68	<b>1,547.81</b>	120.71	16.92	18.90	<b>29,253.6</b>	<b>186,836</b>	5,546.4
26' 11	8' 7	82.57%	416,749	9,923	1,577,566	1,577.57	<b>1,552.62</b>	120.71	16.92	18.94	<b>29,406.6</b>	<b>187,417</b>	5,546.4
27' 0	8' 6	82.83%	418,040	9,953	1,582,452	1,582.45	<b>1,557.43</b>	120.71	16.92	18.98	<b>29,560.0</b>	<b>187,997</b>	5,546.4
27' 1	8' 5	83.09%	419,331	9,984	1,587,339	1,587.34	<b>1,562.23</b>	120.71	16.92	19.03	<b>29,729.2</b>	<b>188,577</b>	5,546.4
27' 2	8' 4	83.34%	420,622	10,015	1,592,226	1,592.23	<b>1,567.04</b>	120.71	16.92	19.07	<b>29,883.5</b>	<b>189,157</b>	5,546.4
27' 3	8' 3	83.60%	421,912	10,046	1,597,112	1,597.11	<b>1,571.85</b>	120.71	16.92	19.11	<b>30,038.1</b>	<b>189,738</b>	5,546.4
27' 4	8' 2	83.85%	423,203	10,076	1,601,998	1,602.0	<b>1,576.66</b>	120.71	16.92	19.15	<b>30,193.0</b>	<b>190,319</b>	5,546.4
27' 5	8' 1	84.11%	424,494	10,107	1,606,885	1,606.88	<b>1,581.47</b>	120.71	16.92	19.19	<b>30,348.4</b>	<b>190,899</b>	5,546.4
27' 6	8' 0	84.36%	425,785	10,138	1,611,772	1,611.77	<b>1,586.28</b>	120.71	16.92	19.23	<b>30,504.2</b>	<b>191,480</b>	5,546.4

Tank		Oil #2 PORT												
Specific Gravity		1												
Trim		0												
Capacity		12,017 BBL												
Label(s)		Oil#2.p												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
27' 7	7' 11	84.62%	427,076	10,168	1,616,657	1,616.66	<b>1,591.09</b>	120.71	16.92	19.28	<b>30,676.2</b>	<b>192,060</b>	5,546.4	
27' 8	7' 10	84.88%	428,367	10,199	1,621,544	1,621.54	<b>1,595.90</b>	120.71	16.93	19.32	<b>30,832.8</b>	<b>192,641</b>	5,546.4	
27' 9	7' 9	85.13%	429,658	10,230	1,626,431	1,626.43	<b>1,600.71</b>	120.71	16.93	19.36	<b>30,989.7</b>	<b>193,222</b>	5,546.4	
27' 10	7' 8	85.39%	430,948	10,261	1,631,317	1,631.32	<b>1,605.52</b>	120.71	16.93	19.40	<b>31,147.1</b>	<b>193,802</b>	5,546.4	
27' 11	7' 7	85.64%	432,239	10,291	1,636,204	1,636.20	<b>1,610.33</b>	120.71	16.93	19.44	<b>31,304.8</b>	<b>194,383</b>	5,546.4	
28' 0	7' 6	85.90%	433,530	10,322	1,641,090	1,641.09	<b>1,615.14</b>	120.71	16.93	19.48	<b>31,462.9</b>	<b>194,964</b>	5,546.4	
28' 1	7' 5	86.15%	434,821	10,353	1,645,977	1,645.98	<b>1,619.94</b>	120.71	16.93	19.53	<b>31,637.4</b>	<b>195,543</b>	5,546.4	
28' 2	7' 4	86.41%	436,112	10,384	1,650,863	1,650.86	<b>1,624.75</b>	120.71	16.93	19.57	<b>31,796.4</b>	<b>196,124</b>	5,546.4	
28' 3	7' 3	86.67%	437,403	10,414	1,655,750	1,655.75	<b>1,629.56</b>	120.71	16.93	19.61	<b>31,955.7</b>	<b>196,704</b>	5,546.4	
28' 4	7' 2	86.92%	438,694	10,445	1,660,636	1,660.64	<b>1,634.37</b>	120.71	16.93	19.65	<b>32,115.4</b>	<b>197,285</b>	5,546.4	
28' 5	7' 1	87.18%	439,984	10,476	1,665,522	1,665.52	<b>1,639.18</b>	120.71	16.93	19.69	<b>32,275.5</b>	<b>197,865</b>	5,546.4	
28' 6	7' 0	87.43%	441,275	10,507	1,670,409	1,670.41	<b>1,643.99</b>	120.71	16.93	19.73	<b>32,435.9</b>	<b>198,446</b>	5,546.4	
28' 7	6' 11	87.69%	442,566	10,537	1,675,295	1,675.30	<b>1,648.80</b>	120.71	16.93	19.78	<b>32,613.3</b>	<b>199,027</b>	5,546.4	
28' 8	6' 10	87.94%	443,857	10,568	1,680,182	1,680.18	<b>1,653.61</b>	120.71	16.93	19.82	<b>32,774.6</b>	<b>199,607</b>	5,546.4	
28' 9	6' 9	88.20%	445,148	10,599	1,685,068	1,685.07	<b>1,658.42</b>	120.71	16.93	19.86	<b>32,936.2</b>	<b>200,188</b>	5,546.4	
28' 10	6' 8	88.46%	446,439	10,629	1,689,955	1,689.96	<b>1,663.23</b>	120.71	16.93	19.90	<b>33,098.3</b>	<b>200,768</b>	5,546.4	
28' 11	6' 7	88.71%	447,730	10,660	1,694,842	1,694.84	<b>1,668.04</b>	120.71	16.93	19.94	<b>33,260.7</b>	<b>201,349</b>	5,546.4	
29' 0	6' 6	88.97%	449,021	10,691	1,699,727	1,699.73	<b>1,672.85</b>	120.71	16.93	19.99	<b>33,440.3</b>	<b>201,930</b>	5,546.4	
29' 1	6' 5	89.22%	450,311	10,722	1,704,614	1,704.61	<b>1,677.66</b>	120.71	16.93	20.03	<b>33,603.5</b>	<b>202,510</b>	5,546.4	
29' 2	6' 4	89.48%	451,602	10,752	1,709,501	1,709.50	<b>1,682.46</b>	120.71	16.93	20.07	<b>33,767.0</b>	<b>203,090</b>	5,546.4	
29' 3	6' 3	89.74%	452,893	10,783	1,714,387	1,714.39	<b>1,687.27</b>	120.71	16.93	20.11	<b>33,931.0</b>	<b>203,670</b>	5,546.4	
29' 4	6' 2	89.99%	454,184	10,814	1,719,273	1,719.27	<b>1,692.08</b>	120.71	16.93	20.15	<b>34,095.4</b>	<b>204,251</b>	5,546.4	
29' 5	6' 1	90.25%	455,475	10,845	1,724,160	1,724.16	<b>1,696.89</b>	120.71	16.93	20.19	<b>34,260.2</b>	<b>204,832</b>	5,546.4	
29' 6	6' 0	90.50%	456,766	10,875	1,729,046	1,729.05	<b>1,701.70</b>	120.71	16.93	20.24	<b>34,424.4</b>	<b>205,412</b>	5,546.4	
29' 7	5' 11	90.76%	458,057	10,906	1,733,933	1,733.93	<b>1,706.51</b>	120.71	16.93	20.28	<b>34,608.0</b>	<b>205,993</b>	5,546.4	
29' 8	5' 10	91.01%	459,348	10,937	1,738,820	1,738.82	<b>1,711.32</b>	120.71	16.93	20.32	<b>34,774.0</b>	<b>206,573</b>	5,546.4	
29' 9	5' 9	91.27%	460,638	10,968	1,743,706	1,743.71	<b>1,716.13</b>	120.71	16.93	20.36	<b>34,940.4</b>	<b>207,154</b>	5,546.4	
29' 10	5' 8	91.53%	461,929	10,998	1,748,592	1,748.59	<b>1,720.94</b>	120.71	16.93	20.40	<b>35,107.2</b>	<b>207,735</b>	5,546.4	
29' 11	5' 7	91.78%	463,220	11,029	1,753,478	1,753.48	<b>1,725.75</b>	120.71	16.93	20.44	<b>35,274.3</b>	<b>208,315</b>	5,546.4	
30' 0	5' 6	92.04%	464,511	11,060	1,758,365	1,758.37	<b>1,730.56</b>	120.71	16.93	20.49	<b>35,459.2</b>	<b>208,896</b>	5,546.4	
30' 1	5' 5	92.29%	465,802	11,091	1,763,252	1,763.25	<b>1,735.37</b>	120.71	16.93	20.53	<b>35,627.1</b>	<b>209,477</b>	5,546.4	
30' 2	5' 4	92.55%	467,093	11,121	1,768,138	1,768.14	<b>1,740.17</b>	120.71	16.93	20.57	<b>35,795.3</b>	<b>210,056</b>	5,546.4	
30' 3	5' 3	92.80%	468,384	11,152	1,773,024	1,773.02	<b>1,744.98</b>	120.71	16.93	20.61	<b>35,964.0</b>	<b>210,637</b>	5,546.4	

Tank		Oil #2 PORT											
Specific Gravity		1											
Trim		0											
Capacity		12,017 BBL											
Label(s)		Oil#2.p											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
30' 4	5' 2	93.06%	469,674	11,183	1,777,911	1,777.91	<b>1,749.79</b>	120.71	16.93	20.65	<b>36,133.2</b>	<b>211,217</b>	5,546.4
30' 5	5' 1	93.32%	470,965	11,213	1,782,798	1,782.80	<b>1,754.60</b>	120.71	16.93	20.69	<b>36,302.7</b>	<b>211,798</b>	5,546.4
30' 6	5' 0	93.57%	472,256	11,244	1,787,684	1,787.68	<b>1,759.41</b>	120.71	16.93	20.74	<b>36,490.2</b>	<b>212,378</b>	5,546.4
30' 7	4' 11	93.83%	473,547	11,275	1,792,570	1,792.57	<b>1,764.22</b>	120.71	16.93	20.78	<b>36,660.5</b>	<b>212,959</b>	5,546.4
30' 8	4' 10	94.08%	474,838	11,306	1,797,457	1,797.46	<b>1,769.03</b>	120.71	16.93	20.82	<b>36,831.2</b>	<b>213,540</b>	5,546.4
30' 9	4' 9	94.34%	476,129	11,336	1,802,343	1,802.34	<b>1,773.84</b>	120.71	16.93	20.86	<b>37,002.3</b>	<b>214,120</b>	5,546.4
30' 10	4' 8	94.59%	477,420	11,367	1,807,230	1,807.23	<b>1,778.65</b>	120.71	16.93	20.90	<b>37,173.8</b>	<b>214,701</b>	5,546.4
30' 11	4' 7	94.85%	478,711	11,398	1,812,116	1,812.12	<b>1,783.46</b>	120.71	16.93	20.94	<b>37,345.7</b>	<b>215,281</b>	5,546.4
31' 0	4' 6	95.11%	480,001	11,429	1,817,003	1,817.0	<b>1,788.27</b>	120.71	16.93	20.99	<b>37,535.8</b>	<b>215,862</b>	5,546.4
31' 1	4' 5	95.36%	481,292	11,459	1,821,889	1,821.89	<b>1,793.08</b>	120.71	16.93	21.03	<b>37,708.5</b>	<b>216,443</b>	5,546.4
31' 2	4' 4	95.62%	482,583	11,490	1,826,776	1,826.78	<b>1,797.88</b>	120.71	16.93	21.07	<b>37,881.3</b>	<b>217,022</b>	5,546.4
31' 3	4' 3	95.87%	483,874	11,521	1,831,662	1,831.66	<b>1,802.69</b>	120.71	16.93	21.11	<b>38,054.8</b>	<b>217,603</b>	5,546.4
31' 4	4' 2	96.13%	485,165	11,552	1,836,548	1,836.55	<b>1,807.50</b>	120.71	16.93	21.15	<b>38,228.6</b>	<b>218,183</b>	5,546.4
31' 5	4' 1	96.39%	486,456	11,582	1,841,435	1,841.44	<b>1,812.31</b>	120.71	16.93	21.19	<b>38,402.8</b>	<b>218,764</b>	5,546.4
31' 6	4' 0	96.64%	487,747	11,613	1,846,321	1,846.32	<b>1,817.12</b>	120.71	16.93	21.24	<b>38,595.6</b>	<b>219,345</b>	5,546.4
31' 7	3' 11	96.90%	489,037	11,644	1,851,208	1,851.21	<b>1,821.93</b>	120.71	16.93	21.28	<b>38,770.7</b>	<b>219,925</b>	5,546.4
31' 8	3' 10	97.15%	490,328	11,674	1,856,094	1,856.09	<b>1,826.74</b>	120.71	16.93	21.32	<b>38,946.1</b>	<b>220,506</b>	5,546.4
31' 9	3' 9	97.41%	491,619	11,705	1,860,981	1,860.98	<b>1,831.55</b>	120.71	16.93	21.36	<b>39,121.9</b>	<b>221,086</b>	5,546.4
31' 10	3' 8	97.66%	492,910	11,736	1,865,867	1,865.87	<b>1,836.36</b>	120.71	16.93	21.40	<b>39,298.1</b>	<b>221,667</b>	5,546.4
31' 11	3' 7	97.92%	494,201	11,767	1,870,754	1,870.75	<b>1,841.17</b>	120.71	16.93	21.44	<b>39,474.7</b>	<b>222,248</b>	5,546.4
32' 0	3' 6	98.18%	495,492	11,797	1,875,640	1,875.64	<b>1,845.98</b>	120.71	16.93	21.49	<b>39,670.1</b>	<b>222,828</b>	5,546.4
32' 1	3' 5	98.43%	496,783	11,828	1,880,526	1,880.53	<b>1,850.79</b>	120.71	16.93	21.53	<b>39,847.5</b>	<b>223,409</b>	5,546.4
32' 2	3' 4	98.68%	498,060	11,859	1,885,364	1,885.36	<b>1,855.55</b>	120.71	16.93	21.57	<b>40,024.2</b>	<b>223,983</b>	4,886.4
32' 3	3' 3	98.92%	499,242	11,887	1,889,838	1,889.84	<b>1,859.95</b>	120.71	16.93	21.61	<b>40,193.5</b>	<b>224,515</b>	3,685.1
32' 4	3' 2	99.13%	500,313	11,912	1,893,892	1,893.89	<b>1,863.94</b>	120.71	16.92	21.64	<b>40,335.7</b>	<b>224,996</b>	2,697.8
32' 5	3' 1	99.32%	501,273	11,935	1,897,525	1,897.52	<b>1,867.51</b>	120.71	16.91	21.67	<b>40,468.9</b>	<b>225,427</b>	1,906.4
32' 6	3' 0	99.49%	502,122	11,955	1,900,738	1,900.74	<b>1,870.68</b>	120.71	16.91	21.70	<b>40,593.8</b>	<b>225,810</b>	1,286.8
32' 7	2' 11	99.64%	502,860	11,973	1,903,530	1,903.53	<b>1,873.43</b>	120.71	16.89	21.72	<b>40,690.9</b>	<b>226,142</b>	818.8
32' 8	2' 10	99.76%	503,486	11,988	1,905,903	1,905.90	<b>1,875.76</b>	120.71	16.88	21.74	<b>40,779.0</b>	<b>226,423</b>	480.7
32' 9	2' 9	99.86%	504,002	12,000	1,907,855	1,907.86	<b>1,877.68</b>	120.71	16.87	21.76	<b>40,858.3</b>	<b>226,655</b>	251.4
32' 10	2' 8	99.94%	504,407	12,010	1,909,388	1,909.39	<b>1,879.19</b>	120.71	16.86	21.77	<b>40,910.0</b>	<b>226,837</b>	109.7
32' 11	2' 7	100.00%	504,701	12,017	1,910,499	1,910.50	<b>1,880.28</b>	120.71	16.86	21.78	<b>40,952.5</b>	<b>226,969</b>	34.8

Reading		Load	Volume				Weight (Lt)	Center of Gravity (ft)			Moments(Lt-ft)		FSM (Lt-ft)
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)		LCG	TCG	VCG	V Mom	L Mom	
0' 1	35' 5	0	2008	48	7600	8	7	121	8	5	41	906	1846
0' 2	35' 4	0	2996	71	11340	11	11	121	10	6	62	1352	3340
0' 3	35' 3	0	4179	99	15819	16	16	121	11	6	87	1886	5335
0' 4	35' 2	0	5460	130	20668	21	20	121	13	6	115	2463	5520
0' 5	35' 1	0	6747	161	25540	26	25	121	13	6	143	3042	5522
0' 6	35' 0	0	8034	191	30413	30	30	121	14	6	171	3620	5523
0' 7	34' 11	0	9322	222	35286	35	35	121	14	6	200	4200	5523
0' 8	34' 10	0	10609	253	40159	40	40	121	15	6	230	4778	5524
0' 9	34' 9	0	11896	283	45032	45	44	121	15	6	260	5357	5525
0' 10	34' 8	0	13184	314	49906	50	49	121	15	6	290	5937	5526
0' 11	34' 7	0	14471	345	54780	55	54	121	15	6	321	6515	5526
1' 0	34' 6	0	15759	375	59654	60	59	121	15	6	352	7095	5527
1' 1	34' 5	0	17046	406	64528	65	64	121	16	6	383	7674	5528
1' 2	34' 4	0	18334	437	69402	69	68	121	16	6	415	8252	5528
1' 3	34' 3	0	19622	467	74277	74	73	121	16	6	447	8832	5529
1' 4	34' 2	0	20910	498	79152	79	78	121	16	6	480	9411	5530
1' 5	34' 1	0	22197	529	84027	84	83	121	16	6	513	9990	5530
1' 6	34' 0	0	23485	559	88902	89	88	121	16	6	546	10570	5531
1' 7	33' 11	0	24773	590	93777	94	92	121	16	6	580	11149	5532
1' 8	33' 10	0	26061	621	98653	99	97	121	16	6	615	11728	5532
1' 9	33' 9	0	27349	651	103529	104	102	121	16	6	649	12307	5533
1' 10	33' 8	0	28638	682	108405	108	107	121	16	6	684	12886	5534
1' 11	33' 7	0	29926	713	113281	113	111	121	16	6	719	13466	5534
2' 0	33' 6	0	31214	743	118158	118	116	121	16	6	755	14046	5535
2' 1	33' 5	0	32502	774	123034	123	121	121	16	7	792	14624	5535
2' 2	33' 4	0	33790	805	127910	128	126	121	16	7	828	15204	5535
2' 3	33' 3	0	35079	835	132787	133	131	121	16	7	865	15783	5535
2' 4	33' 2	0	36367	866	137664	138	135	121	16	7	902	16363	5535
2' 5	33' 1	0	37655	897	142540	143	140	121	16	7	940	16941	5535
2' 6	33' 0	0	38943	927	147417	147	145	121	16	7	979	17521	5535
2' 7	32' 11	0	40232	958	152293	152	150	121	16	7	1018	18100	5535
2' 8	32' 10	0	41520	989	157170	157	155	121	16	7	1056	18679	5535
2' 9	32' 9	0	42808	1019	162047	162	159	121	16	7	1096	19259	5535

Tank		Oil #2 STBD											
Specific Gravity		1											
Trim		0											
Capacity		11,994 BBL											
Label(s)		Oil#2.s											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
2' 10	32' 8	0	44096	1050	166923	167	164	121	16	7	1135	19838	5535
2' 11	32' 7	0	45385	1081	171800	172	169	121	16	7	1177	20416	5535
3' 0	32' 6	0	46673	1111	176677	177	174	121	16	7	1217	20996	5535
3' 1	32' 5	9.52%	47,961	1,142	181,553	181.55	178.68	120.75	16.48	7.04	1,257.9	21,576	5,535.3
3' 2	32' 4	9.78%	49,250	1,173	186,430	186.43	183.48	120.75	16.49	7.08	1,299.0	22,155	5,535.3
3' 3	32' 3	10.03%	50,538	1,203	191,306	191.31	188.28	120.75	16.51	7.12	1,340.6	22,735	5,535.3
3' 4	32' 2	10.29%	51,826	1,234	196,183	196.18	193.08	120.75	16.52	7.16	1,382.5	23,314	5,535.3
3' 5	32' 1	10.54%	53,114	1,265	201,060	201.06	197.88	120.75	16.53	7.21	1,426.7	23,894	5,535.3
3' 6	32' 0	10.80%	54,403	1,295	205,936	205.94	202.68	120.75	16.54	7.25	1,469.4	24,474	5,535.3
3' 7	31' 11	11.05%	55,691	1,326	210,813	210.81	207.48	120.75	16.55	7.29	1,512.5	25,053	5,535.3
3' 8	31' 10	11.31%	56,979	1,357	215,689	215.69	212.28	120.74	16.56	7.33	1,556.0	25,631	5,535.3
3' 9	31' 9	11.57%	58,267	1,387	220,566	220.57	217.08	120.74	16.57	7.37	1,599.9	26,210	5,535.3
3' 10	31' 8	11.82%	59,556	1,418	225,443	225.44	221.88	120.74	16.58	7.41	1,644.1	26,790	5,535.3
3' 11	31' 7	12.08%	60,844	1,449	230,319	230.32	226.68	120.74	16.59	7.46	1,691.0	27,369	5,535.3
4' 0	31' 6	12.33%	62,132	1,479	235,196	235.20	231.48	120.74	16.60	7.50	1,736.1	27,949	5,535.3
4' 1	31' 5	12.59%	63,420	1,510	240,072	240.07	236.28	120.74	16.60	7.54	1,781.6	28,528	5,535.3
4' 2	31' 4	12.84%	64,709	1,541	244,949	244.95	241.08	120.74	16.61	7.58	1,827.4	29,108	5,535.3
4' 3	31' 3	13.10%	65,997	1,571	249,826	249.83	245.87	120.74	16.62	7.62	1,873.5	29,686	5,535.3
4' 4	31' 2	13.36%	67,285	1,602	254,702	254.70	250.67	120.74	16.63	7.67	1,922.6	30,266	5,535.3
4' 5	31' 1	13.61%	68,574	1,633	259,579	259.58	255.47	120.74	16.63	7.71	1,969.7	30,845	5,535.3
4' 6	31' 0	13.87%	69,862	1,663	264,456	264.46	260.27	120.74	16.64	7.75	2,017.1	31,425	5,535.3
4' 7	30' 11	14.12%	71,150	1,694	269,332	269.33	265.07	120.74	16.64	7.79	2,064.9	32,005	5,535.3
4' 8	30' 10	14.38%	72,438	1,725	274,209	274.21	269.87	120.74	16.65	7.83	2,113.1	32,584	5,535.3
4' 9	30' 9	14.64%	73,727	1,755	279,085	279.09	274.67	120.74	16.66	7.87	2,161.7	33,164	5,535.3
4' 10	30' 8	14.89%	75,015	1,786	283,962	283.96	279.47	120.73	16.66	7.92	2,213.4	33,740	5,535.3
4' 11	30' 7	15.15%	76,303	1,817	288,839	288.84	284.27	120.73	16.67	7.96	2,262.8	34,320	5,535.3
5' 0	30' 6	15.40%	77,591	1,847	293,715	293.72	289.07	120.73	16.67	8.00	2,312.6	34,899	5,535.3
5' 1	30' 5	15.66%	78,880	1,878	298,592	298.59	293.87	120.73	16.68	8.04	2,362.7	35,479	5,535.3
5' 2	30' 4	15.91%	80,168	1,909	303,469	303.47	298.67	120.73	16.68	8.08	2,413.3	36,058	5,535.3
5' 3	30' 3	16.17%	81,456	1,939	308,345	308.35	303.47	120.73	16.69	8.12	2,464.2	36,638	5,535.3
5' 4	30' 2	16.43%	82,744	1,970	313,222	313.22	308.27	120.73	16.69	8.17	2,518.6	37,217	5,535.3
5' 5	30' 1	16.68%	84,033	2,001	318,098	318.10	313.07	120.73	16.70	8.21	2,570.3	37,797	5,535.3
5' 6	30' 0	16.94%	85,321	2,031	322,975	322.97	317.87	120.73	16.70	8.25	2,622.4	38,376	5,535.3



Tank		Oil #2 STBD											
Specific Gravity		1											
Trim		0											
Capacity		11,994 BBL											
Label(s)		Oil#2.s											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
5' 7	29' 11	17.19%	86,609	2,062	327,852	327.85	<b>322.67</b>	120.73	16.70	8.29	<b>2,674.9</b>	<b>38,956</b>	5,535.3
5' 8	29' 10	17.45%	87,898	2,093	332,728	332.73	<b>327.47</b>	120.73	16.71	8.33	<b>2,727.8</b>	<b>39,535</b>	5,535.3
5' 9	29' 9	17.70%	89,186	2,123	337,605	337.60	<b>332.27</b>	120.73	16.71	8.37	<b>2,781.1</b>	<b>40,115</b>	5,535.3
5' 10	29' 8	17.96%	90,474	2,154	342,482	342.48	<b>337.07</b>	120.73	16.72	8.42	<b>2,838.1</b>	<b>40,694</b>	5,535.3
5' 11	29' 7	18.22%	91,762	2,185	347,358	347.36	<b>341.86</b>	120.73	16.72	8.46	<b>2,892.1</b>	<b>41,273</b>	5,535.3
6' 0	29' 6	18.47%	93,051	2,215	352,235	352.23	<b>346.66</b>	120.73	16.72	8.50	<b>2,946.6</b>	<b>41,852</b>	5,535.3
6' 1	29' 5	18.73%	94,339	2,246	357,111	357.11	<b>351.46</b>	120.73	16.73	8.54	<b>3,001.5</b>	<b>42,432</b>	5,535.3
6' 2	29' 4	18.98%	95,627	2,277	361,988	361.99	<b>356.26</b>	120.73	16.73	8.58	<b>3,056.7</b>	<b>43,011</b>	5,535.3
6' 3	29' 3	19.24%	96,915	2,308	366,865	366.86	<b>361.06</b>	120.73	16.73	8.62	<b>3,112.3</b>	<b>43,591</b>	5,535.3
6' 4	29' 2	19.49%	98,204	2,338	371,741	371.74	<b>365.86</b>	120.73	16.74	8.67	<b>3,172.0</b>	<b>44,170</b>	5,535.3
6' 5	29' 1	19.75%	99,492	2,369	376,618	376.62	<b>370.66</b>	120.73	16.74	8.71	<b>3,228.4</b>	<b>44,750</b>	5,535.3
6' 6	29' 0	20.01%	100,780	2,400	381,495	381.49	<b>375.46</b>	120.73	16.74	8.75	<b>3,285.3</b>	<b>45,329</b>	5,535.3
6' 7	28' 11	20.26%	102,068	2,430	386,371	386.37	<b>380.26</b>	120.73	16.75	8.79	<b>3,342.5</b>	<b>45,909</b>	5,535.3
6' 8	28' 10	20.52%	103,357	2,461	391,248	391.25	<b>385.06</b>	120.73	16.75	8.83	<b>3,400.1</b>	<b>46,488</b>	5,535.3
6' 9	28' 9	20.77%	104,645	2,492	396,124	396.12	<b>389.86</b>	120.73	16.75	8.87	<b>3,458.1</b>	<b>47,068</b>	5,535.3
6' 10	28' 8	21.03%	105,933	2,522	401,001	401.0	<b>394.66</b>	120.73	16.76	8.92	<b>3,520.4</b>	<b>47,647</b>	5,535.3
6' 11	28' 7	21.28%	107,222	2,553	405,878	405.88	<b>399.46</b>	120.73	16.76	8.96	<b>3,579.2</b>	<b>48,227</b>	5,535.3
7' 0	28' 6	21.54%	108,510	2,584	410,754	410.75	<b>404.26</b>	120.73	16.76	9.00	<b>3,638.3</b>	<b>48,806</b>	5,535.3
7' 1	28' 5	21.80%	109,798	2,614	415,631	415.63	<b>409.06</b>	120.73	16.76	9.04	<b>3,697.9</b>	<b>49,386</b>	5,535.3
7' 2	28' 4	22.05%	111,086	2,645	420,507	420.51	<b>413.86</b>	120.72	16.77	9.08	<b>3,757.8</b>	<b>49,961</b>	5,535.3
7' 3	28' 3	22.31%	112,375	2,676	425,384	425.38	<b>418.66</b>	120.72	16.77	9.12	<b>3,818.2</b>	<b>50,541</b>	5,535.3
7' 4	28' 2	22.56%	113,663	2,706	430,261	430.26	<b>423.46</b>	120.72	16.77	9.17	<b>3,883.1</b>	<b>51,120</b>	5,535.3
7' 5	28' 1	22.82%	114,951	2,737	435,137	435.14	<b>428.26</b>	120.72	16.77	9.21	<b>3,944.3</b>	<b>51,700</b>	5,535.3
7' 6	28' 0	23.07%	116,239	2,768	440,014	440.01	<b>433.05</b>	120.72	16.78	9.25	<b>4,005.7</b>	<b>52,278</b>	5,535.3
7' 7	27' 11	23.33%	117,528	2,798	444,890	444.89	<b>437.85</b>	120.72	16.78	9.29	<b>4,067.6</b>	<b>52,857</b>	5,535.3
7' 8	27' 10	23.59%	118,816	2,829	449,767	449.77	<b>442.65</b>	120.72	16.78	9.33	<b>4,129.9</b>	<b>53,437</b>	5,535.3
7' 9	27' 9	23.84%	120,104	2,860	454,644	454.64	<b>447.45</b>	120.72	16.78	9.37	<b>4,192.6</b>	<b>54,016</b>	5,535.3
7' 10	27' 8	24.10%	121,393	2,890	459,521	459.52	<b>452.25</b>	120.72	16.78	9.42	<b>4,260.2</b>	<b>54,596</b>	5,535.3
7' 11	27' 7	24.35%	122,681	2,921	464,397	464.40	<b>457.05</b>	120.72	16.79	9.46	<b>4,323.7</b>	<b>55,175</b>	5,535.3
8' 0	27' 6	24.61%	123,969	2,952	469,274	469.27	<b>461.85</b>	120.72	16.79	9.50	<b>4,387.6</b>	<b>55,755</b>	5,535.3
8' 1	27' 5	24.86%	125,257	2,982	474,150	474.15	<b>466.65</b>	120.72	16.79	9.54	<b>4,451.8</b>	<b>56,334</b>	5,535.3
8' 2	27' 4	25.12%	126,546	3,013	479,027	479.03	<b>471.45</b>	120.72	16.79	9.58	<b>4,516.5</b>	<b>56,913</b>	5,535.3
8' 3	27' 3	25.38%	127,834	3,044	483,903	483.90	<b>476.25</b>	120.72	16.79	9.62	<b>4,581.5</b>	<b>57,493</b>	5,535.3

Tank		Oil #2 STBD											
Specific Gravity		1											
Trim		0											
Capacity		11,994 BBL											
Label(s)		Oil#2.s											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
8' 4	27' 2	25.63%	129,122	3,074	488,780	488.78	<b>481.05</b>	120.72	16.80	9.67	<b>4,651.8</b>	<b>58,072</b>	5,535.3
8' 5	27' 1	25.89%	130,410	3,105	493,657	493.66	<b>485.85</b>	120.72	16.80	9.71	<b>4,717.6</b>	<b>58,652</b>	5,535.3
8' 6	27' 0	26.14%	131,699	3,136	498,533	498.53	<b>490.65</b>	120.72	16.80	9.75	<b>4,783.8</b>	<b>59,231</b>	5,535.3
8' 7	26' 11	26.40%	132,987	3,166	503,410	503.41	<b>495.45</b>	120.72	16.80	9.79	<b>4,850.5</b>	<b>59,811</b>	5,535.3
8' 8	26' 10	26.65%	134,275	3,197	508,286	508.29	<b>500.25</b>	120.72	16.80	9.83	<b>4,917.5</b>	<b>60,390</b>	5,535.3
8' 9	26' 9	26.91%	135,563	3,228	513,163	513.16	<b>505.05</b>	120.72	16.80	9.87	<b>4,984.8</b>	<b>60,970</b>	5,535.3
8' 10	26' 8	27.17%	136,852	3,258	518,039	518.04	<b>509.85</b>	120.72	16.81	9.92	<b>5,057.7</b>	<b>61,549</b>	5,535.3
8' 11	26' 7	27.42%	138,140	3,289	522,916	522.92	<b>514.65</b>	120.72	16.81	9.96	<b>5,125.9</b>	<b>62,129</b>	5,535.3
9' 0	26' 6	27.68%	139,428	3,320	527,793	527.79	<b>519.45</b>	120.72	16.81	10.00	<b>5,194.5</b>	<b>62,708</b>	5,535.3
9' 1	26' 5	27.93%	140,716	3,350	532,669	532.67	<b>524.24</b>	120.72	16.81	10.04	<b>5,263.4</b>	<b>63,286</b>	5,535.3
9' 2	26' 4	28.19%	142,005	3,381	537,546	537.55	<b>529.04</b>	120.72	16.81	10.08	<b>5,332.7</b>	<b>63,866</b>	5,535.3
9' 3	26' 3	28.44%	143,293	3,412	542,422	542.42	<b>533.84</b>	120.72	16.81	10.13	<b>5,407.8</b>	<b>64,445</b>	5,535.3
9' 4	26' 2	28.70%	144,581	3,442	547,299	547.30	<b>538.64</b>	120.72	16.82	10.17	<b>5,478.0</b>	<b>65,025</b>	5,535.3
9' 5	26' 1	28.96%	145,869	3,473	552,176	552.18	<b>543.44</b>	120.72	16.82	10.21	<b>5,548.5</b>	<b>65,604</b>	5,535.3
9' 6	26' 0	29.21%	147,158	3,504	557,052	557.05	<b>548.24</b>	120.72	16.82	10.25	<b>5,619.5</b>	<b>66,184</b>	5,535.3
9' 7	25' 11	29.47%	148,446	3,534	561,929	561.93	<b>553.04</b>	120.72	16.82	10.29	<b>5,690.8</b>	<b>66,763</b>	5,535.3
9' 8	25' 10	29.72%	149,734	3,565	566,806	566.81	<b>557.84</b>	120.72	16.82	10.33	<b>5,762.5</b>	<b>67,342</b>	5,535.3
9' 9	25' 9	29.98%	151,022	3,596	571,682	571.68	<b>562.64</b>	120.72	16.82	10.38	<b>5,840.2</b>	<b>67,922</b>	5,535.3
9' 10	25' 8	30.23%	152,311	3,626	576,559	576.56	<b>567.44</b>	120.72	16.82	10.42	<b>5,912.7</b>	<b>68,501</b>	5,535.3
9' 11	25' 7	30.49%	153,599	3,657	581,435	581.44	<b>572.24</b>	120.72	16.83	10.46	<b>5,985.6</b>	<b>69,081</b>	5,535.3
10' 0	25' 6	30.75%	154,887	3,688	586,312	586.31	<b>577.04</b>	120.72	16.83	10.50	<b>6,058.9</b>	<b>69,660</b>	5,535.3
10' 1	25' 5	31.00%	156,175	3,718	591,188	591.19	<b>581.84</b>	120.72	16.83	10.54	<b>6,132.6</b>	<b>70,240</b>	5,535.3
10' 2	25' 4	31.26%	157,464	3,749	596,065	596.06	<b>586.64</b>	120.72	16.83	10.58	<b>6,206.7</b>	<b>70,819</b>	5,535.3
10' 3	25' 3	31.51%	158,752	3,780	600,942	600.94	<b>591.44</b>	120.72	16.83	10.63	<b>6,287.0</b>	<b>71,399</b>	5,535.3
10' 4	25' 2	31.77%	160,040	3,810	605,818	605.82	<b>596.24</b>	120.72	16.83	10.67	<b>6,361.9</b>	<b>71,978</b>	5,535.3
10' 5	25' 1	32.02%	161,329	3,841	610,695	610.69	<b>601.04</b>	120.72	16.83	10.71	<b>6,437.1</b>	<b>72,558</b>	5,535.3
10' 6	25' 0	32.28%	162,617	3,872	615,571	615.57	<b>605.84</b>	120.72	16.83	10.75	<b>6,512.8</b>	<b>73,137</b>	5,535.3
10' 7	24' 11	32.54%	163,905	3,903	620,448	620.45	<b>610.64</b>	120.72	16.83	10.79	<b>6,588.8</b>	<b>73,716</b>	5,535.3
10' 8	24' 10	32.79%	165,193	3,933	625,324	625.32	<b>615.43</b>	120.72	16.84	10.83	<b>6,665.1</b>	<b>74,295</b>	5,535.3
10' 9	24' 9	33.05%	166,482	3,964	630,201	630.20	<b>620.23</b>	120.72	16.84	10.88	<b>6,748.1</b>	<b>74,874</b>	5,535.3
10' 10	24' 8	33.30%	167,770	3,995	635,077	635.08	<b>625.03</b>	120.72	16.84	10.92	<b>6,825.3</b>	<b>75,454</b>	5,535.3
10' 11	24' 7	33.56%	169,058	4,025	639,954	639.95	<b>629.83</b>	120.72	16.84	10.96	<b>6,902.9</b>	<b>76,033</b>	5,535.3
11' 0	24' 6	33.81%	170,346	4,056	644,831	644.83	<b>634.63</b>	120.72	16.84	11.00	<b>6,980.9</b>	<b>76,613</b>	5,535.3

Tank		Oil #2 STBD											
Specific Gravity		1											
Trim		0											
Capacity		11,994 BBL											
Label(s)		Oil#2.s											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
11' 1	24' 5	34.07%	171,635	4,087	649,707	649.71	<b>639.43</b>	120.72	16.84	11.04	<b>7,059.3</b>	<b>77,192</b>	5,535.3
11' 2	24' 4	34.33%	172,923	4,117	654,584	654.58	<b>644.23</b>	120.72	16.84	11.08	<b>7,138.1</b>	<b>77,771</b>	5,535.3
11' 3	24' 3	34.58%	174,211	4,148	659,460	659.46	<b>649.03</b>	120.72	16.84	11.13	<b>7,223.7</b>	<b>78,351</b>	5,535.3
11' 4	24' 2	34.84%	175,499	4,179	664,337	664.34	<b>653.83</b>	120.72	16.84	11.17	<b>7,303.3</b>	<b>78,930</b>	5,535.3
11' 5	24' 1	35.09%	176,788	4,209	669,214	669.21	<b>658.63</b>	120.72	16.85	11.21	<b>7,383.2</b>	<b>79,510</b>	5,535.3
11' 6	24' 0	35.35%	178,076	4,240	674,090	674.09	<b>663.43</b>	120.72	16.85	11.25	<b>7,463.6</b>	<b>80,089</b>	5,535.3
11' 7	23' 11	35.60%	179,364	4,271	678,967	678.97	<b>668.23</b>	120.72	16.85	11.29	<b>7,544.3</b>	<b>80,669</b>	5,535.3
11' 8	23' 10	35.86%	180,652	4,301	683,843	683.84	<b>673.03</b>	120.72	16.85	11.33	<b>7,625.4</b>	<b>81,248</b>	5,535.3
11' 9	23' 9	36.12%	181,941	4,332	688,720	688.72	<b>677.83</b>	120.72	16.85	11.38	<b>7,713.7</b>	<b>81,828</b>	5,535.3
11' 10	23' 8	36.37%	183,229	4,363	693,597	693.60	<b>682.63</b>	120.72	16.85	11.42	<b>7,795.6</b>	<b>82,407</b>	5,535.3
11' 11	23' 7	36.63%	184,517	4,393	698,473	698.47	<b>687.43</b>	120.72	16.85	11.46	<b>7,877.9</b>	<b>82,987</b>	5,535.3
12' 0	23' 6	36.88%	185,805	4,424	703,350	703.35	<b>692.23</b>	120.72	16.85	11.50	<b>7,960.6</b>	<b>83,566</b>	5,535.3
12' 1	23' 5	37.14%	187,094	4,455	708,226	708.23	<b>697.03</b>	120.72	16.85	11.54	<b>8,043.7</b>	<b>84,145</b>	5,535.3
12' 2	23' 4	37.39%	188,382	4,485	713,103	713.10	<b>701.82</b>	120.72	16.85	11.58	<b>8,127.1</b>	<b>84,724</b>	5,535.3
12' 3	23' 3	37.65%	189,670	4,516	717,979	717.98	<b>706.62</b>	120.72	16.85	11.63	<b>8,218.0</b>	<b>85,303</b>	5,535.3
12' 4	23' 2	37.91%	190,958	4,547	722,856	722.86	<b>711.42</b>	120.72	16.86	11.67	<b>8,302.3</b>	<b>85,883</b>	5,535.3
12' 5	23' 1	38.16%	192,247	4,577	727,733	727.73	<b>716.22</b>	120.72	16.86	11.71	<b>8,386.9</b>	<b>86,462</b>	5,535.3
12' 6	23' 0	38.42%	193,535	4,608	732,609	732.61	<b>721.02</b>	120.72	16.86	11.75	<b>8,472.0</b>	<b>87,042</b>	5,535.3
12' 7	22' 11	38.67%	194,823	4,639	737,486	737.49	<b>725.82</b>	120.72	16.86	11.79	<b>8,557.4</b>	<b>87,621</b>	5,535.3
12' 8	22' 10	38.93%	196,111	4,669	742,362	742.36	<b>730.62</b>	120.72	16.86	11.83	<b>8,643.2</b>	<b>88,200</b>	5,535.3
12' 9	22' 9	39.18%	197,400	4,700	747,239	747.24	<b>735.42</b>	120.72	16.86	11.88	<b>8,736.8</b>	<b>88,780</b>	5,535.3
12' 10	22' 8	39.44%	198,688	4,731	752,116	752.12	<b>740.22</b>	120.72	16.86	11.92	<b>8,823.4</b>	<b>89,359</b>	5,535.3
12' 11	22' 7	39.70%	199,976	4,761	756,992	756.99	<b>745.02</b>	120.72	16.86	11.96	<b>8,910.4</b>	<b>89,939</b>	5,535.3
13' 0	22' 6	39.95%	201,264	4,792	761,869	761.87	<b>749.82</b>	120.72	16.86	12.00	<b>8,997.8</b>	<b>90,518</b>	5,535.3
13' 1	22' 5	40.21%	202,553	4,823	766,745	766.75	<b>754.62</b>	120.72	16.86	12.04	<b>9,085.6</b>	<b>91,098</b>	5,535.3
13' 2	22' 4	40.46%	203,841	4,853	771,622	771.62	<b>759.42</b>	120.72	16.86	12.08	<b>9,173.8</b>	<b>91,677</b>	5,535.2
13' 3	22' 3	40.72%	205,129	4,884	776,498	776.50	<b>764.22</b>	120.72	16.86	12.13	<b>9,270.0</b>	<b>92,257</b>	5,535.2
13' 4	22' 2	40.97%	206,418	4,915	781,375	781.38	<b>769.02</b>	120.72	16.87	12.17	<b>9,359.0</b>	<b>92,836</b>	5,535.2
13' 5	22' 1	41.23%	207,706	4,945	786,252	786.25	<b>773.82</b>	120.72	16.87	12.21	<b>9,448.3</b>	<b>93,416</b>	5,535.2
13' 6	22' 0	41.49%	208,994	4,976	791,128	791.13	<b>778.62</b>	120.72	16.87	12.25	<b>9,538.1</b>	<b>93,995</b>	5,535.2
13' 7	21' 11	41.74%	210,282	5,007	796,005	796.01	<b>783.42</b>	120.72	16.87	12.29	<b>9,628.2</b>	<b>94,574</b>	5,535.3
13' 8	21' 10	42.00%	211,571	5,037	800,881	800.88	<b>788.22</b>	120.72	16.87	12.33	<b>9,718.8</b>	<b>95,154</b>	5,535.2
13' 9	21' 9	42.25%	212,859	5,068	805,758	805.76	<b>793.01</b>	120.72	16.87	12.38	<b>9,817.5</b>	<b>95,732</b>	5,535.2

Tank		Oil #2 STBD												
Specific Gravity		1												
Trim		0												
Capacity		11,994 BBL												
Label(s)		Oil#2.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
13' 10	21' 8	42.51%	214,147	5,099	810,635	810.63	<b>797.81</b>	120.72	16.87	12.42	<b>9,908.8</b>	<b>96,312</b>	5,535.2	
13' 11	21' 7	42.76%	215,435	5,129	815,511	815.51	<b>802.61</b>	120.72	16.87	12.46	<b>10,000.5</b>	<b>96,891</b>	5,535.2	
14' 0	21' 6	43.02%	216,724	5,160	820,388	820.39	<b>807.41</b>	120.71	16.87	12.50	<b>10,092.6</b>	<b>97,462</b>	5,535.2	
14' 1	21' 5	43.28%	218,012	5,191	825,264	825.26	<b>812.21</b>	120.71	16.87	12.54	<b>10,185.1</b>	<b>98,042</b>	5,535.2	
14' 2	21' 4	43.53%	219,300	5,221	830,141	830.14	<b>817.01</b>	120.71	16.87	12.58	<b>10,278.0</b>	<b>98,621</b>	5,535.2	
14' 3	21' 3	43.79%	220,588	5,252	835,018	835.02	<b>821.81</b>	120.71	16.87	12.63	<b>10,379.5</b>	<b>99,201</b>	5,535.2	
14' 4	21' 2	44.04%	221,877	5,283	839,894	839.89	<b>826.61</b>	120.71	16.87	12.67	<b>10,473.1</b>	<b>99,780</b>	5,535.2	
14' 5	21' 1	44.30%	223,165	5,313	844,771	844.77	<b>831.41</b>	120.71	16.87	12.71	<b>10,567.2</b>	<b>100,360</b>	5,535.2	
14' 6	21' 0	44.55%	224,453	5,344	849,647	849.65	<b>836.21</b>	120.71	16.87	12.75	<b>10,661.7</b>	<b>100,939</b>	5,535.3	
14' 7	20' 11	44.81%	225,741	5,375	854,524	854.52	<b>841.01</b>	120.71	16.87	12.79	<b>10,756.5</b>	<b>101,518</b>	5,535.3	
14' 8	20' 10	45.07%	227,030	5,405	859,401	859.40	<b>845.81</b>	120.71	16.88	12.83	<b>10,851.7</b>	<b>102,098</b>	5,535.3	
14' 9	20' 9	45.32%	228,318	5,436	864,277	864.28	<b>850.61</b>	120.71	16.88	12.88	<b>10,955.9</b>	<b>102,677</b>	5,535.3	
14' 10	20' 8	45.58%	229,606	5,467	869,154	869.15	<b>855.41</b>	120.71	16.88	12.92	<b>11,051.9</b>	<b>103,257</b>	5,535.2	
14' 11	20' 7	45.83%	230,894	5,497	874,030	874.03	<b>860.21</b>	120.71	16.88	12.96	<b>11,148.3</b>	<b>103,836</b>	5,535.2	
15' 0	20' 6	46.09%	232,183	5,528	878,907	878.91	<b>865.01</b>	120.71	16.88	13.00	<b>11,245.1</b>	<b>104,415</b>	5,535.2	
15' 1	20' 5	46.34%	233,471	5,559	883,783	883.78	<b>869.81</b>	120.71	16.88	13.04	<b>11,342.3</b>	<b>104,995</b>	5,535.2	
15' 2	20' 4	46.60%	234,759	5,590	888,660	888.66	<b>874.61</b>	120.71	16.88	13.08	<b>11,439.9</b>	<b>105,574</b>	5,535.2	
15' 3	20' 3	46.86%	236,047	5,620	893,537	893.54	<b>879.40</b>	120.71	16.88	13.13	<b>11,546.5</b>	<b>106,152</b>	5,535.2	
15' 4	20' 2	47.11%	237,336	5,651	898,413	898.41	<b>884.20</b>	120.71	16.88	13.17	<b>11,644.9</b>	<b>106,732</b>	5,535.2	
15' 5	20' 1	47.37%	238,624	5,682	903,290	903.29	<b>889.0</b>	120.71	16.88	13.21	<b>11,743.7</b>	<b>107,311</b>	5,535.3	
15' 6	20' 0	47.62%	239,912	5,712	908,166	908.17	<b>893.80</b>	120.71	16.88	13.25	<b>11,842.9</b>	<b>107,891</b>	5,535.3	
15' 7	19' 11	47.88%	241,200	5,743	913,043	913.04	<b>898.60</b>	120.71	16.88	13.29	<b>11,942.4</b>	<b>108,470</b>	5,535.3	
15' 8	19' 10	48.13%	242,489	5,774	917,920	917.92	<b>903.40</b>	120.71	16.88	13.33	<b>12,042.3</b>	<b>109,049</b>	5,535.3	
15' 9	19' 9	48.39%	243,777	5,804	922,796	922.80	<b>908.20</b>	120.71	16.88	13.38	<b>12,151.7</b>	<b>109,629</b>	5,535.2	
15' 10	19' 8	48.65%	245,065	5,835	927,673	927.67	<b>913.0</b>	120.71	16.88	13.42	<b>12,252.5</b>	<b>110,208</b>	5,535.2	
15' 11	19' 7	48.90%	246,353	5,866	932,549	932.55	<b>917.80</b>	120.71	16.88	13.46	<b>12,353.6</b>	<b>110,788</b>	5,535.2	
16' 0	19' 6	49.16%	247,642	5,896	937,426	937.43	<b>922.60</b>	120.71	16.88	13.50	<b>12,455.1</b>	<b>111,367</b>	5,535.2	
16' 1	19' 5	49.41%	248,930	5,927	942,303	942.30	<b>927.40</b>	120.71	16.88	13.54	<b>12,557.0</b>	<b>111,946</b>	5,535.2	
16' 2	19' 4	49.67%	250,218	5,958	947,179	947.18	<b>932.20</b>	120.71	16.89	13.58	<b>12,659.3</b>	<b>112,526</b>	5,535.2	
16' 3	19' 3	49.93%	251,507	5,988	952,056	952.06	<b>937.0</b>	120.71	16.89	13.63	<b>12,771.3</b>	<b>113,105</b>	5,535.2	
16' 4	19' 2	50.18%	252,795	6,019	956,932	956.93	<b>941.80</b>	120.71	16.89	13.67	<b>12,874.4</b>	<b>113,685</b>	5,535.2	
16' 5	19' 1	50.44%	254,083	6,050	961,809	961.81	<b>946.60</b>	120.71	16.89	13.71	<b>12,977.9</b>	<b>114,264</b>	5,535.2	
16' 6	19' 0	50.69%	255,371	6,080	966,686	966.69	<b>951.40</b>	120.71	16.89	13.75	<b>13,081.8</b>	<b>114,843</b>	5,535.2	

Tank		Oil #2 STBD											
Specific Gravity		1											
Trim		0											
Capacity		11,994 BBL											
Label(s)		Oil#2.s											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
16' 7	18' 11	50.95%	256,660	6,111	971,562	971.56	<b>956.20</b>	120.71	16.89	13.79	<b>13,186.0</b>	<b>115,423</b>	5,535.2
16' 8	18' 10	51.20%	257,948	6,142	976,439	976.44	<b>961.0</b>	120.71	16.89	13.83	<b>13,290.6</b>	<b>116,002</b>	5,535.2
16' 9	18' 9	51.46%	259,236	6,172	981,316	981.32	<b>965.80</b>	120.71	16.89	13.88	<b>13,405.3</b>	<b>116,582</b>	5,535.2
16' 10	18' 8	51.72%	260,524	6,203	986,192	986.19	<b>970.60</b>	120.71	16.89	13.92	<b>13,510.8</b>	<b>117,161</b>	5,535.2
16' 11	18' 7	51.97%	261,813	6,234	991,069	991.07	<b>975.39</b>	120.71	16.89	13.96	<b>13,616.4</b>	<b>117,739</b>	5,535.2
17' 0	18' 6	52.23%	263,101	6,264	995,945	995.95	<b>980.19</b>	120.71	16.89	14.00	<b>13,722.7</b>	<b>118,319</b>	5,535.2
17' 1	18' 5	52.48%	264,389	6,295	1,000,822	1,000.82	<b>984.99</b>	120.71	16.89	14.04	<b>13,829.3</b>	<b>118,898</b>	5,535.2
17' 2	18' 4	52.74%	265,678	6,326	1,005,699	1,005.70	<b>989.79</b>	120.71	16.89	14.08	<b>13,936.2</b>	<b>119,478</b>	5,535.2
17' 3	18' 3	52.99%	266,966	6,356	1,010,575	1,010.58	<b>994.59</b>	120.71	16.89	14.13	<b>14,053.6</b>	<b>120,057</b>	5,535.2
17' 4	18' 2	53.25%	268,254	6,387	1,015,452	1,015.45	<b>999.39</b>	120.71	16.89	14.17	<b>14,161.4</b>	<b>120,636</b>	5,535.2
17' 5	18' 1	53.51%	269,542	6,418	1,020,329	1,020.33	<b>1,004.19</b>	120.71	16.89	14.21	<b>14,269.5</b>	<b>121,216</b>	5,535.2
17' 6	18' 0	53.76%	270,831	6,448	1,025,205	1,025.21	<b>1,008.99</b>	120.71	16.89	14.25	<b>14,378.1</b>	<b>121,795</b>	5,535.2
17' 7	17' 11	54.02%	272,119	6,479	1,030,082	1,030.08	<b>1,013.79</b>	120.71	16.89	14.29	<b>14,487.1</b>	<b>122,375</b>	5,535.2
17' 8	17' 10	54.27%	273,407	6,510	1,034,958	1,034.96	<b>1,018.59</b>	120.71	16.89	14.33	<b>14,596.4</b>	<b>122,954</b>	5,535.2
17' 9	17' 9	54.53%	274,695	6,540	1,039,835	1,039.84	<b>1,023.39</b>	120.71	16.89	14.38	<b>14,716.3</b>	<b>123,533</b>	5,535.2
17' 10	17' 8	54.78%	275,984	6,571	1,044,712	1,044.71	<b>1,028.19</b>	120.71	16.89	14.42	<b>14,826.5</b>	<b>124,113</b>	5,535.2
17' 11	17' 7	55.04%	277,272	6,602	1,049,588	1,049.59	<b>1,032.99</b>	120.71	16.89	14.46	<b>14,937.0</b>	<b>124,692</b>	5,535.2
18' 0	17' 6	55.30%	278,560	6,632	1,054,465	1,054.47	<b>1,037.79</b>	120.71	16.90	14.50	<b>15,048.0</b>	<b>125,272</b>	5,535.2
18' 1	17' 5	55.55%	279,849	6,663	1,059,342	1,059.34	<b>1,042.59</b>	120.71	16.90	14.54	<b>15,159.3</b>	<b>125,851</b>	5,535.2
18' 2	17' 4	55.81%	281,137	6,694	1,064,218	1,064.22	<b>1,047.39</b>	120.71	16.90	14.58	<b>15,270.9</b>	<b>126,430</b>	5,535.2
18' 3	17' 3	56.06%	282,425	6,724	1,069,095	1,069.09	<b>1,052.19</b>	120.71	16.90	14.63	<b>15,393.5</b>	<b>127,010</b>	5,535.2
18' 4	17' 2	56.32%	283,713	6,755	1,073,971	1,073.97	<b>1,056.99</b>	120.71	16.90	14.67	<b>15,506.0</b>	<b>127,589</b>	5,535.2
18' 5	17' 1	56.57%	285,002	6,786	1,078,848	1,078.85	<b>1,061.79</b>	120.71	16.90	14.71	<b>15,618.9</b>	<b>128,169</b>	5,535.2
18' 6	17' 0	56.83%	286,290	6,816	1,083,725	1,083.73	<b>1,066.59</b>	120.71	16.90	14.75	<b>15,732.2</b>	<b>128,748</b>	5,535.2
18' 7	16' 11	57.09%	287,578	6,847	1,088,602	1,088.60	<b>1,071.39</b>	120.71	16.90	14.79	<b>15,845.9</b>	<b>129,327</b>	5,535.2
18' 8	16' 10	57.34%	288,866	6,878	1,093,478	1,093.48	<b>1,076.18</b>	120.71	16.90	14.83	<b>15,959.7</b>	<b>129,906</b>	5,535.2
18' 9	16' 9	57.60%	290,155	6,908	1,098,355	1,098.36	<b>1,080.98</b>	120.71	16.90	14.88	<b>16,085.0</b>	<b>130,485</b>	5,535.2
18' 10	16' 8	57.85%	291,443	6,939	1,103,231	1,103.23	<b>1,085.78</b>	120.71	16.90	14.92	<b>16,199.8</b>	<b>131,065</b>	5,535.2
18' 11	16' 7	58.11%	292,731	6,970	1,108,108	1,108.11	<b>1,090.58</b>	120.71	16.90	14.96	<b>16,315.1</b>	<b>131,644</b>	5,535.2
19' 0	16' 6	58.36%	294,020	7,000	1,112,985	1,112.98	<b>1,095.38</b>	120.71	16.90	15.00	<b>16,430.7</b>	<b>132,223</b>	5,535.2
19' 1	16' 5	58.62%	295,308	7,031	1,117,862	1,117.86	<b>1,100.18</b>	120.71	16.90	15.04	<b>16,546.7</b>	<b>132,803</b>	5,535.2
19' 2	16' 4	58.88%	296,596	7,062	1,122,738	1,122.74	<b>1,104.98</b>	120.71	16.90	15.08	<b>16,663.1</b>	<b>133,382</b>	5,535.2
19' 3	16' 3	59.13%	297,884	7,092	1,127,614	1,127.61	<b>1,109.78</b>	120.71	16.90	15.13	<b>16,791.0</b>	<b>133,962</b>	5,535.2

Tank		Oil #2 STBD											
Specific Gravity		1											
Trim		0											
Capacity		11,994 BBL											
Label(s)		Oil#2.s											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
19' 4	16' 2	59.39%	299,173	7,123	1,132,491	1,132.49	<b>1,114.58</b>	120.71	16.90	15.17	<b>16,908.2</b>	<b>134,541</b>	5,535.2
19' 5	16' 1	59.64%	300,461	7,154	1,137,367	1,137.37	<b>1,119.38</b>	120.71	16.90	15.21	<b>17,025.8</b>	<b>135,120</b>	5,535.2
19' 6	16' 0	59.90%	301,749	7,185	1,142,245	1,142.24	<b>1,124.18</b>	120.71	16.90	15.25	<b>17,143.7</b>	<b>135,700</b>	5,535.2
19' 7	15' 11	60.15%	303,037	7,215	1,147,121	1,147.12	<b>1,128.98</b>	120.71	16.90	15.29	<b>17,262.1</b>	<b>136,279</b>	5,535.2
19' 8	15' 10	60.41%	304,326	7,246	1,151,998	1,152.0	<b>1,133.78</b>	120.71	16.90	15.33	<b>17,380.8</b>	<b>136,859</b>	5,535.2
19' 9	15' 9	60.67%	305,614	7,277	1,156,874	1,156.87	<b>1,138.58</b>	120.71	16.90	15.38	<b>17,511.4</b>	<b>137,438</b>	5,535.2
19' 10	15' 8	60.92%	306,902	7,307	1,161,751	1,161.75	<b>1,143.38</b>	120.71	16.90	15.42	<b>17,630.9</b>	<b>138,017</b>	5,535.2
19' 11	15' 7	61.18%	308,191	7,338	1,166,628	1,166.63	<b>1,148.18</b>	120.71	16.90	15.46	<b>17,750.9</b>	<b>138,597</b>	5,535.2
20' 0	15' 6	61.43%	309,479	7,369	1,171,504	1,171.50	<b>1,152.98</b>	120.71	16.90	15.50	<b>17,871.2</b>	<b>139,176</b>	5,535.2
20' 1	15' 5	61.69%	310,767	7,399	1,176,381	1,176.38	<b>1,157.78</b>	120.71	16.90	15.54	<b>17,991.9</b>	<b>139,756</b>	5,535.2
20' 2	15' 4	61.94%	312,055	7,430	1,181,257	1,181.26	<b>1,162.58</b>	120.71	16.90	15.58	<b>18,113.0</b>	<b>140,335</b>	5,535.2
20' 3	15' 3	62.20%	313,344	7,461	1,186,134	1,186.13	<b>1,167.38</b>	120.71	16.90	15.63	<b>18,246.1</b>	<b>140,914</b>	5,535.2
20' 4	15' 2	62.46%	314,632	7,491	1,191,011	1,191.01	<b>1,172.17</b>	120.71	16.90	15.67	<b>18,367.9</b>	<b>141,493</b>	5,535.2
20' 5	15' 1	62.71%	315,920	7,522	1,195,888	1,195.89	<b>1,176.97</b>	120.71	16.91	15.71	<b>18,490.2</b>	<b>142,072</b>	5,535.2
20' 6	15' 0	62.97%	317,208	7,553	1,200,764	1,200.76	<b>1,181.77</b>	120.71	16.91	15.75	<b>18,612.9</b>	<b>142,651</b>	5,535.2
20' 7	14' 11	63.22%	318,497	7,583	1,205,641	1,205.64	<b>1,186.57</b>	120.71	16.91	15.79	<b>18,735.9</b>	<b>143,231</b>	5,535.2
20' 8	14' 10	63.48%	319,785	7,614	1,210,517	1,210.52	<b>1,191.37</b>	120.71	16.91	15.83	<b>18,859.4</b>	<b>143,810</b>	5,535.2
20' 9	14' 9	63.73%	321,073	7,645	1,215,394	1,215.39	<b>1,196.17</b>	120.71	16.91	15.88	<b>18,995.2</b>	<b>144,390</b>	5,535.2
20' 10	14' 8	63.99%	322,361	7,675	1,220,271	1,220.27	<b>1,200.97</b>	120.71	16.91	15.92	<b>19,119.4</b>	<b>144,969</b>	5,535.2
20' 11	14' 7	64.25%	323,650	7,706	1,225,147	1,225.15	<b>1,205.77</b>	120.71	16.91	15.96	<b>19,244.1</b>	<b>145,548</b>	5,535.2
21' 0	14' 6	64.50%	324,938	7,737	1,230,024	1,230.02	<b>1,210.57</b>	120.71	16.91	16.00	<b>19,369.1</b>	<b>146,128</b>	5,535.2
21' 1	14' 5	64.76%	326,226	7,767	1,234,901	1,234.90	<b>1,215.37</b>	120.71	16.91	16.04	<b>19,494.5</b>	<b>146,707</b>	5,535.2
21' 2	14' 4	65.01%	327,515	7,798	1,239,777	1,239.78	<b>1,220.17</b>	120.71	16.91	16.08	<b>19,620.3</b>	<b>147,287</b>	5,535.2
21' 3	14' 3	65.27%	328,803	7,829	1,244,654	1,244.65	<b>1,224.97</b>	120.71	16.91	16.13	<b>19,758.8</b>	<b>147,866</b>	5,535.2
21' 4	14' 2	65.52%	330,091	7,859	1,249,530	1,249.53	<b>1,229.77</b>	120.71	16.91	16.17	<b>19,885.4</b>	<b>148,446</b>	5,535.2
21' 5	14' 1	65.78%	331,379	7,890	1,254,407	1,254.41	<b>1,234.57</b>	120.71	16.91	16.21	<b>20,012.4</b>	<b>149,025</b>	5,535.2
21' 6	14' 0	66.04%	332,668	7,921	1,259,284	1,259.28	<b>1,239.37</b>	120.71	16.91	16.25	<b>20,139.8</b>	<b>149,604</b>	5,535.2
21' 7	13' 11	66.29%	333,956	7,951	1,264,160	1,264.16	<b>1,244.17</b>	120.71	16.91	16.29	<b>20,267.5</b>	<b>150,184</b>	5,535.2
21' 8	13' 10	66.55%	335,244	7,982	1,269,037	1,269.04	<b>1,248.97</b>	120.71	16.91	16.33	<b>20,395.7</b>	<b>150,763</b>	5,535.2
21' 9	13' 9	66.80%	336,532	8,013	1,273,914	1,273.91	<b>1,253.77</b>	120.71	16.91	16.38	<b>20,536.8</b>	<b>151,343</b>	5,535.2
21' 10	13' 8	67.06%	337,821	8,043	1,278,790	1,278.79	<b>1,258.57</b>	120.71	16.91	16.42	<b>20,665.7</b>	<b>151,922</b>	5,535.2
21' 11	13' 7	67.31%	339,109	8,074	1,283,667	1,283.67	<b>1,263.37</b>	120.71	16.91	16.46	<b>20,795.1</b>	<b>152,501</b>	5,535.2
22' 0	13' 6	67.57%	340,397	8,105	1,288,544	1,288.54	<b>1,268.16</b>	120.71	16.91	16.50	<b>20,924.6</b>	<b>153,080</b>	5,535.2

Tank		Oil #2 STBD												
Specific Gravity		1												
Trim		0												
Capacity		11,994 BBL												
Label(s)		Oil#2.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
22' 1	13' 5	67.83%	341,686	8,135	1,293,420	1,293.42	<b>1,272.96</b>	120.71	16.91	16.54	<b>21,054.8</b>	<b>153,659</b>	5,535.2	
22' 2	13' 4	68.08%	342,974	8,166	1,298,297	1,298.30	<b>1,277.76</b>	120.71	16.91	16.58	<b>21,185.3</b>	<b>154,238</b>	5,535.2	
22' 3	13' 3	68.34%	344,262	8,197	1,303,173	1,303.17	<b>1,282.56</b>	120.71	16.91	16.63	<b>21,329.0</b>	<b>154,818</b>	5,535.2	
22' 4	13' 2	68.59%	345,550	8,227	1,308,050	1,308.05	<b>1,287.36</b>	120.71	16.91	16.67	<b>21,460.3</b>	<b>155,397</b>	5,535.2	
22' 5	13' 1	68.85%	346,839	8,258	1,312,927	1,312.93	<b>1,292.16</b>	120.71	16.91	16.71	<b>21,592.0</b>	<b>155,977</b>	5,535.2	
22' 6	13' 0	69.10%	348,127	8,289	1,317,803	1,317.80	<b>1,296.96</b>	120.71	16.91	16.75	<b>21,724.1</b>	<b>156,556</b>	5,535.2	
22' 7	12' 11	69.36%	349,415	8,319	1,322,680	1,322.68	<b>1,301.76</b>	120.71	16.91	16.79	<b>21,856.6</b>	<b>157,135</b>	5,535.2	
22' 8	12' 10	69.62%	350,703	8,350	1,327,556	1,327.56	<b>1,306.56</b>	120.71	16.91	16.83	<b>21,989.4</b>	<b>157,715</b>	5,535.2	
22' 9	12' 9	69.87%	351,992	8,381	1,332,433	1,332.43	<b>1,311.36</b>	120.71	16.91	16.88	<b>22,135.8</b>	<b>158,294</b>	5,535.2	
22' 10	12' 8	70.13%	353,280	8,411	1,337,310	1,337.31	<b>1,316.16</b>	120.71	16.91	16.92	<b>22,269.4</b>	<b>158,874</b>	5,535.2	
22' 11	12' 7	70.38%	354,568	8,442	1,342,187	1,342.19	<b>1,320.96</b>	120.71	16.91	16.96	<b>22,403.5</b>	<b>159,453</b>	5,535.2	
23' 0	12' 6	70.64%	355,856	8,473	1,347,063	1,347.06	<b>1,325.76</b>	120.71	16.91	17.00	<b>22,537.9</b>	<b>160,032</b>	5,535.2	
23' 1	12' 5	70.89%	357,145	8,503	1,351,940	1,351.94	<b>1,330.56</b>	120.71	16.91	17.04	<b>22,672.7</b>	<b>160,612</b>	5,535.2	
23' 2	12' 4	71.15%	358,433	8,534	1,356,817	1,356.82	<b>1,335.36</b>	120.71	16.91	17.08	<b>22,807.9</b>	<b>161,191</b>	5,535.2	
23' 3	12' 3	71.41%	359,721	8,565	1,361,693	1,361.69	<b>1,340.16</b>	120.71	16.91	17.13	<b>22,956.9</b>	<b>161,771</b>	5,535.2	
23' 4	12' 2	71.66%	361,010	8,595	1,366,570	1,366.57	<b>1,344.96</b>	120.71	16.91	17.17	<b>23,093.0</b>	<b>162,350</b>	5,535.2	
23' 5	12' 1	71.92%	362,298	8,626	1,371,446	1,371.45	<b>1,349.76</b>	120.71	16.91	17.21	<b>23,229.4</b>	<b>162,930</b>	5,535.2	
23' 6	12' 0	72.17%	363,586	8,657	1,376,323	1,376.32	<b>1,354.56</b>	120.71	16.92	17.25	<b>23,366.2</b>	<b>163,509</b>	5,535.2	
23' 7	11' 11	72.43%	364,874	8,687	1,381,199	1,381.20	<b>1,359.36</b>	120.71	16.92	17.29	<b>23,503.3</b>	<b>164,088</b>	5,535.2	
23' 8	11' 10	72.68%	366,163	8,718	1,386,077	1,386.08	<b>1,364.16</b>	120.71	16.92	17.33	<b>23,640.9</b>	<b>164,668</b>	5,535.2	
23' 9	11' 9	72.94%	367,451	8,749	1,390,953	1,390.95	<b>1,368.95</b>	120.71	16.92	17.38	<b>23,792.4</b>	<b>165,246</b>	5,535.2	
23' 10	11' 8	73.20%	368,739	8,780	1,395,829	1,395.83	<b>1,373.75</b>	120.71	16.92	17.42	<b>23,930.7</b>	<b>165,825</b>	5,535.2	
23' 11	11' 7	73.45%	370,027	8,810	1,400,706	1,400.71	<b>1,378.55</b>	120.71	16.92	17.46	<b>24,069.5</b>	<b>166,405</b>	5,535.2	
24' 0	11' 6	73.71%	371,316	8,841	1,405,582	1,405.58	<b>1,383.35</b>	120.71	16.92	17.50	<b>24,208.6</b>	<b>166,984</b>	5,535.2	
24' 1	11' 5	73.96%	372,604	8,872	1,410,459	1,410.46	<b>1,388.15</b>	120.71	16.92	17.54	<b>24,348.2</b>	<b>167,564</b>	5,535.2	
24' 2	11' 4	74.22%	373,892	8,902	1,415,336	1,415.34	<b>1,392.95</b>	120.71	16.92	17.58	<b>24,488.1</b>	<b>168,143</b>	5,535.2	
24' 3	11' 3	74.47%	375,181	8,933	1,420,213	1,420.21	<b>1,397.75</b>	120.71	16.92	17.63	<b>24,642.3</b>	<b>168,722</b>	5,535.2	
24' 4	11' 2	74.73%	376,469	8,964	1,425,089	1,425.09	<b>1,402.55</b>	120.71	16.92	17.67	<b>24,783.1</b>	<b>169,302</b>	5,535.2	
24' 5	11' 1	74.99%	377,757	8,994	1,429,966	1,429.97	<b>1,407.35</b>	120.71	16.92	17.71	<b>24,924.2</b>	<b>169,881</b>	5,535.2	
24' 6	11' 0	75.24%	379,045	9,025	1,434,842	1,434.84	<b>1,412.15</b>	120.71	16.92	17.75	<b>25,065.7</b>	<b>170,461</b>	5,535.2	
24' 7	10' 11	75.50%	380,334	9,056	1,439,719	1,439.72	<b>1,416.95</b>	120.71	16.92	17.79	<b>25,207.5</b>	<b>171,040</b>	5,535.2	
24' 8	10' 10	75.75%	381,622	9,086	1,444,596	1,444.60	<b>1,421.75</b>	120.71	16.92	17.83	<b>25,349.8</b>	<b>171,619</b>	5,535.2	
24' 9	10' 9	76.01%	382,910	9,117	1,449,472	1,449.47	<b>1,426.55</b>	120.71	16.92	17.88	<b>25,506.7</b>	<b>172,199</b>	5,535.2	

Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
24' 10	10' 8	76.26%	384,198	9,148	1,454,349	1,454.35	<b>1,431.35</b>	120.71	16.92	17.92	<b>25,649.8</b>	<b>172,778</b>	5,535.2
24' 11	10' 7	76.52%	385,487	9,178	1,459,226	1,459.23	<b>1,436.15</b>	120.71	16.92	17.96	<b>25,793.3</b>	<b>173,358</b>	5,535.2
25' 0	10' 6	76.78%	386,775	9,209	1,464,102	1,464.10	<b>1,440.95</b>	120.71	16.92	18.00	<b>25,937.1</b>	<b>173,937</b>	5,535.2
25' 1	10' 5	77.03%	388,063	9,240	1,468,979	1,468.98	<b>1,445.75</b>	120.71	16.92	18.04	<b>26,081.3</b>	<b>174,516</b>	5,535.2
25' 2	10' 4	77.29%	389,351	9,270	1,473,855	1,473.86	<b>1,450.55</b>	120.71	16.92	18.08	<b>26,225.9</b>	<b>175,096</b>	5,535.2
25' 3	10' 3	77.54%	390,640	9,301	1,478,732	1,478.73	<b>1,455.35</b>	120.71	16.92	18.13	<b>26,385.5</b>	<b>175,675</b>	5,535.2
25' 4	10' 2	77.80%	391,928	9,332	1,483,609	1,483.61	<b>1,460.15</b>	120.71	16.92	18.17	<b>26,530.9</b>	<b>176,255</b>	5,535.2
25' 5	10' 1	78.06%	393,216	9,362	1,488,486	1,488.49	<b>1,464.94</b>	120.71	16.92	18.21	<b>26,676.6</b>	<b>176,833</b>	5,535.2
25' 6	10' 0	78.31%	394,505	9,393	1,493,362	1,493.36	<b>1,469.74</b>	120.71	16.92	18.25	<b>26,822.8</b>	<b>177,412</b>	5,535.2
25' 7	9' 11	78.57%	395,793	9,424	1,498,239	1,498.24	<b>1,474.54</b>	120.71	16.92	18.29	<b>26,969.3</b>	<b>177,992</b>	5,535.2
25' 8	9' 10	78.82%	397,081	9,454	1,503,115	1,503.12	<b>1,479.34</b>	120.71	16.92	18.33	<b>27,116.3</b>	<b>178,571</b>	5,535.2
25' 9	9' 9	79.08%	398,369	9,485	1,507,992	1,507.99	<b>1,484.14</b>	120.71	16.92	18.38	<b>27,278.5</b>	<b>179,151</b>	5,535.2
25' 10	9' 8	79.33%	399,658	9,516	1,512,869	1,512.87	<b>1,488.94</b>	120.71	16.92	18.42	<b>27,426.3</b>	<b>179,730</b>	5,535.2
25' 11	9' 7	79.59%	400,946	9,546	1,517,745	1,517.74	<b>1,493.74</b>	120.71	16.92	18.46	<b>27,574.4</b>	<b>180,309</b>	5,535.2
26' 0	9' 6	79.85%	402,234	9,577	1,522,622	1,522.62	<b>1,498.54</b>	120.71	16.92	18.50	<b>27,723.0</b>	<b>180,889</b>	5,535.2
26' 1	9' 5	80.10%	403,522	9,608	1,527,498	1,527.50	<b>1,503.34</b>	120.71	16.92	18.54	<b>27,871.9</b>	<b>181,468</b>	5,535.2
26' 2	9' 4	80.36%	404,811	9,638	1,532,375	1,532.37	<b>1,508.14</b>	120.71	16.92	18.58	<b>28,021.2</b>	<b>182,048</b>	5,535.2
26' 3	9' 3	80.61%	406,099	9,669	1,537,252	1,537.25	<b>1,512.94</b>	120.71	16.92	18.63	<b>28,186.1</b>	<b>182,627</b>	5,535.2
26' 4	9' 2	80.87%	407,387	9,700	1,542,128	1,542.13	<b>1,517.74</b>	120.71	16.92	18.67	<b>28,336.2</b>	<b>183,206</b>	5,535.2
26' 5	9' 1	81.12%	408,676	9,730	1,547,005	1,547.01	<b>1,522.54</b>	120.71	16.92	18.71	<b>28,486.7</b>	<b>183,786</b>	5,535.2
26' 6	9' 0	81.38%	409,964	9,761	1,551,881	1,551.88	<b>1,527.34</b>	120.71	16.92	18.75	<b>28,637.6</b>	<b>184,365</b>	5,535.2
26' 7	8' 11	81.64%	411,252	9,792	1,556,758	1,556.76	<b>1,532.14</b>	120.71	16.92	18.79	<b>28,788.9</b>	<b>184,945</b>	5,535.2
26' 8	8' 10	81.89%	412,540	9,822	1,561,635	1,561.63	<b>1,536.94</b>	120.71	16.92	18.83	<b>28,940.6</b>	<b>185,524</b>	5,535.2
26' 9	8' 9	82.15%	413,829	9,853	1,566,512	1,566.51	<b>1,541.74</b>	120.71	16.92	18.88	<b>29,108.1</b>	<b>186,103</b>	5,535.2
26' 10	8' 8	82.40%	415,117	9,884	1,571,388	1,571.39	<b>1,546.54</b>	120.71	16.92	18.92	<b>29,260.5</b>	<b>186,683</b>	5,535.2
26' 11	8' 7	82.66%	416,405	9,914	1,576,265	1,576.26	<b>1,551.34</b>	120.71	16.92	18.96	<b>29,413.4</b>	<b>187,262</b>	5,535.2
27' 0	8' 6	82.91%	417,693	9,945	1,581,141	1,581.14	<b>1,556.13</b>	120.71	16.92	19.00	<b>29,566.5</b>	<b>187,840</b>	5,535.2
27' 1	8' 5	83.17%	418,982	9,976	1,586,018	1,586.02	<b>1,560.93</b>	120.71	16.92	19.04	<b>29,720.1</b>	<b>188,420</b>	5,535.2
27' 2	8' 4	83.43%	420,270	10,006	1,590,895	1,590.89	<b>1,565.73</b>	120.71	16.92	19.08	<b>29,874.1</b>	<b>188,999</b>	5,535.2
27' 3	8' 3	83.68%	421,558	10,037	1,595,771	1,595.77	<b>1,570.53</b>	120.71	16.92	19.13	<b>30,044.2</b>	<b>189,579</b>	5,535.2
27' 4	8' 2	83.94%	422,846	10,068	1,600,648	1,600.65	<b>1,575.33</b>	120.71	16.92	19.17	<b>30,199.1</b>	<b>190,158</b>	5,535.2
27' 5	8' 1	84.19%	424,135	10,098	1,605,524	1,605.52	<b>1,580.13</b>	120.71	16.92	19.21	<b>30,354.3</b>	<b>190,737</b>	5,535.2
27' 6	8' 0	84.45%	425,423	10,129	1,610,401	1,610.40	<b>1,584.93</b>	120.71	16.92	19.25	<b>30,509.9</b>	<b>191,317</b>	5,535.2



Tank		Oil #2 STBD												
Specific Gravity		1												
Trim		0												
Capacity		11,994 BBL												
Label(s)		Oil#2.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
27' 7	7' 11	84.70%	426,711	10,160	1,615,278	1,615.28	<b>1,589.73</b>	120.71	16.92	19.29	<b>30,665.9</b>	<b>191,896</b>	5,535.2	
27' 8	7' 10	84.96%	428,000	10,190	1,620,154	1,620.15	<b>1,594.53</b>	120.71	16.93	19.33	<b>30,822.3</b>	<b>192,476</b>	5,535.2	
27' 9	7' 9	85.22%	429,288	10,221	1,625,031	1,625.03	<b>1,599.33</b>	120.71	16.93	19.38	<b>30,995.0</b>	<b>193,055</b>	5,535.2	
27' 10	7' 8	85.47%	430,576	10,252	1,629,907	1,629.91	<b>1,604.13</b>	120.71	16.93	19.42	<b>31,152.2</b>	<b>193,635</b>	5,535.2	
27' 11	7' 7	85.73%	431,864	10,282	1,634,784	1,634.78	<b>1,608.93</b>	120.71	16.93	19.46	<b>31,309.8</b>	<b>194,214</b>	5,535.2	
28' 0	7' 6	85.98%	433,153	10,313	1,639,661	1,639.66	<b>1,613.73</b>	120.71	16.93	19.50	<b>31,467.7</b>	<b>194,793</b>	5,535.2	
28' 1	7' 5	86.24%	434,441	10,344	1,644,537	1,644.54	<b>1,618.53</b>	120.71	16.93	19.54	<b>31,626.1</b>	<b>195,373</b>	5,535.2	
28' 2	7' 4	86.49%	435,729	10,375	1,649,414	1,649.41	<b>1,623.33</b>	120.71	16.93	19.58	<b>31,784.8</b>	<b>195,952</b>	5,535.2	
28' 3	7' 3	86.75%	437,017	10,405	1,654,291	1,654.29	<b>1,628.13</b>	120.71	16.93	19.63	<b>31,960.2</b>	<b>196,532</b>	5,535.2	
28' 4	7' 2	87.01%	438,306	10,436	1,659,167	1,659.17	<b>1,632.93</b>	120.71	16.93	19.67	<b>32,119.7</b>	<b>197,111</b>	5,535.2	
28' 5	7' 1	87.26%	439,594	10,467	1,664,044	1,664.04	<b>1,637.73</b>	120.71	16.93	19.71	<b>32,279.7</b>	<b>197,690</b>	5,535.2	
28' 6	7' 0	87.52%	440,882	10,497	1,668,921	1,668.92	<b>1,642.53</b>	120.71	16.93	19.75	<b>32,440.0</b>	<b>198,270</b>	5,535.2	
28' 7	6' 11	87.77%	442,170	10,528	1,673,797	1,673.80	<b>1,647.33</b>	120.71	16.93	19.79	<b>32,600.7</b>	<b>198,849</b>	5,535.2	
28' 8	6' 10	88.03%	443,459	10,559	1,678,674	1,678.67	<b>1,652.13</b>	120.71	16.93	19.83	<b>32,761.7</b>	<b>199,429</b>	5,535.2	
28' 9	6' 9	88.28%	444,747	10,589	1,683,551	1,683.55	<b>1,656.92</b>	120.71	16.93	19.88	<b>32,939.6</b>	<b>200,007</b>	5,535.2	
28' 10	6' 8	88.54%	446,035	10,620	1,688,427	1,688.43	<b>1,661.72</b>	120.71	16.93	19.92	<b>33,101.5</b>	<b>200,586</b>	5,535.2	
28' 11	6' 7	88.80%	447,324	10,651	1,693,304	1,693.30	<b>1,666.52</b>	120.71	16.93	19.96	<b>33,263.7</b>	<b>201,166</b>	5,535.2	
29' 0	6' 6	89.05%	448,612	10,681	1,698,180	1,698.18	<b>1,671.32</b>	120.71	16.93	20.00	<b>33,426.4</b>	<b>201,745</b>	5,535.2	
29' 1	6' 5	89.31%	449,900	10,712	1,703,057	1,703.06	<b>1,676.12</b>	120.71	16.93	20.04	<b>33,589.4</b>	<b>202,324</b>	5,535.2	
29' 2	6' 4	89.56%	451,188	10,743	1,707,933	1,707.93	<b>1,680.92</b>	120.71	16.93	20.08	<b>33,752.9</b>	<b>202,904</b>	5,535.2	
29' 3	6' 3	89.82%	452,477	10,773	1,712,810	1,712.81	<b>1,685.72</b>	120.71	16.93	20.13	<b>33,933.5</b>	<b>203,483</b>	5,535.2	
29' 4	6' 2	90.07%	453,765	10,804	1,717,687	1,717.69	<b>1,690.52</b>	120.71	16.93	20.17	<b>34,097.8</b>	<b>204,063</b>	5,535.2	
29' 5	6' 1	90.33%	455,053	10,835	1,722,563	1,722.56	<b>1,695.32</b>	120.71	16.93	20.21	<b>34,262.4</b>	<b>204,642</b>	5,535.2	
29' 6	6' 0	90.59%	456,341	10,865	1,727,440	1,727.44	<b>1,700.12</b>	120.71	16.93	20.25	<b>34,427.4</b>	<b>205,221</b>	5,535.2	
29' 7	5' 11	90.84%	457,630	10,896	1,732,317	1,732.32	<b>1,704.92</b>	120.71	16.93	20.29	<b>34,592.8</b>	<b>205,801</b>	5,535.2	
29' 8	5' 10	91.10%	458,918	10,927	1,737,194	1,737.19	<b>1,709.72</b>	120.71	16.93	20.33	<b>34,758.6</b>	<b>206,380</b>	5,535.2	
29' 9	5' 9	91.35%	460,206	10,957	1,742,070	1,742.07	<b>1,714.52</b>	120.71	16.93	20.38	<b>34,941.9</b>	<b>206,960</b>	5,535.2	
29' 10	5' 8	91.61%	461,495	10,988	1,746,947	1,746.95	<b>1,719.32</b>	120.71	16.93	20.42	<b>35,108.5</b>	<b>207,539</b>	5,535.2	
29' 11	5' 7	91.86%	462,783	11,019	1,751,823	1,751.82	<b>1,724.12</b>	120.71	16.93	20.46	<b>35,275.5</b>	<b>208,119</b>	5,535.2	
30' 0	5' 6	92.12%	464,071	11,049	1,756,700	1,756.70	<b>1,728.92</b>	120.71	16.93	20.50	<b>35,442.9</b>	<b>208,698</b>	5,535.2	
30' 1	5' 5	92.38%	465,359	11,080	1,761,577	1,761.58	<b>1,733.72</b>	120.71	16.93	20.54	<b>35,610.6</b>	<b>209,277</b>	5,535.2	
30' 2	5' 4	92.63%	466,648	11,111	1,766,453	1,766.45	<b>1,738.52</b>	120.71	16.93	20.58	<b>35,778.7</b>	<b>209,857</b>	5,535.2	
30' 3	5' 3	92.89%	467,936	11,141	1,771,329	1,771.33	<b>1,743.32</b>	120.71	16.93	20.63	<b>35,964.7</b>	<b>210,436</b>	5,535.2	

Tank		Oil #2 STBD											
Specific Gravity		1											
Trim		0											
Capacity		11,994 BBL											
Label(s)		Oil#2.s											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
30' 4	5' 2	93.14%	469,224	11,172	1,776,206	1,776.21	<b>1,748.11</b>	120.71	16.93	20.67	<b>36,133.4</b>	<b>211,014</b>	5,535.2
30' 5	5' 1	93.40%	470,512	11,203	1,781,083	1,781.08	<b>1,752.91</b>	120.71	16.93	20.71	<b>36,302.8</b>	<b>211,594</b>	5,535.2
30' 6	5' 0	93.65%	471,801	11,233	1,785,960	1,785.96	<b>1,757.71</b>	120.71	16.93	20.75	<b>36,472.5</b>	<b>212,173</b>	5,535.2
30' 7	4' 11	93.91%	473,089	11,264	1,790,836	1,790.84	<b>1,762.51</b>	120.71	16.93	20.79	<b>36,642.6</b>	<b>212,753</b>	5,535.2
30' 8	4' 10	94.17%	474,377	11,295	1,795,713	1,795.71	<b>1,767.31</b>	120.71	16.93	20.83	<b>36,813.1</b>	<b>213,332</b>	5,535.2
30' 9	4' 9	94.42%	475,665	11,325	1,800,589	1,800.59	<b>1,772.11</b>	120.71	16.93	20.88	<b>37,001.7</b>	<b>213,911</b>	5,535.2
30' 10	4' 8	94.68%	476,954	11,356	1,805,466	1,805.47	<b>1,776.91</b>	120.71	16.93	20.92	<b>37,173.0</b>	<b>214,491</b>	5,535.2
30' 11	4' 7	94.93%	478,242	11,387	1,810,343	1,810.34	<b>1,781.71</b>	120.71	16.93	20.96	<b>37,344.6</b>	<b>215,070</b>	5,535.2
31' 0	4' 6	95.19%	479,530	11,417	1,815,220	1,815.22	<b>1,786.51</b>	120.71	16.93	21.00	<b>37,516.7</b>	<b>215,650</b>	5,535.2
31' 1	4' 5	95.44%	480,819	11,448	1,820,096	1,820.10	<b>1,791.31</b>	120.71	16.93	21.04	<b>37,689.2</b>	<b>216,229</b>	5,535.2
31' 2	4' 4	95.70%	482,107	11,479	1,824,973	1,824.97	<b>1,796.11</b>	120.71	16.93	21.08	<b>37,862.0</b>	<b>216,808</b>	5,535.2
31' 3	4' 3	95.96%	483,395	11,509	1,829,849	1,829.85	<b>1,800.91</b>	120.71	16.93	21.13	<b>38,033.2</b>	<b>217,388</b>	5,535.2
31' 4	4' 2	96.21%	484,683	11,540	1,834,725	1,834.73	<b>1,805.71</b>	120.71	16.93	21.17	<b>38,226.9</b>	<b>217,967</b>	5,535.2
31' 5	4' 1	96.47%	485,972	11,571	1,839,602	1,839.60	<b>1,810.51</b>	120.71	16.93	21.21	<b>38,400.9</b>	<b>218,547</b>	5,535.2
31' 6	4' 0	96.72%	487,260	11,601	1,844,479	1,844.48	<b>1,815.31</b>	120.71	16.93	21.25	<b>38,575.3</b>	<b>219,126</b>	5,535.2
31' 7	3' 11	96.98%	488,548	11,632	1,849,355	1,849.36	<b>1,820.11</b>	120.71	16.93	21.29	<b>38,750.1</b>	<b>219,705</b>	5,535.2
31' 8	3' 10	97.23%	489,836	11,663	1,854,232	1,854.23	<b>1,824.91</b>	120.71	16.93	21.33	<b>38,925.3</b>	<b>220,285</b>	5,535.2
31' 9	3' 9	97.49%	491,125	11,693	1,859,109	1,859.11	<b>1,829.71</b>	120.71	16.93	21.38	<b>39,119.2</b>	<b>220,864</b>	5,535.2
31' 10	3' 8	97.75%	492,413	11,724	1,863,985	1,863.99	<b>1,834.51</b>	120.71	16.93	21.42	<b>39,295.2</b>	<b>221,444</b>	5,535.2
31' 11	3' 7	98.00%	493,701	11,755	1,868,862	1,868.86	<b>1,839.31</b>	120.71	16.93	21.46	<b>39,471.6</b>	<b>222,023</b>	5,535.2
32' 0	3' 6	98.26%	494,989	11,785	1,873,739	1,873.74	<b>1,844.10</b>	120.71	16.93	21.50	<b>39,648.2</b>	<b>222,601</b>	5,535.2
32' 1	3' 5	98.51%	496,278	11,816	1,878,615	1,878.62	<b>1,848.90</b>	120.71	16.93	21.54	<b>39,825.3</b>	<b>223,181</b>	5,535.2
32' 2	3' 4	98.76%	497,524	11,846	1,883,334	1,883.33	<b>1,853.55</b>	120.71	16.93	21.58	<b>39,999.6</b>	<b>223,742</b>	4,389.3
32' 3	3' 3	98.99%	498,661	11,873	1,887,638	1,887.64	<b>1,857.78</b>	120.71	16.93	21.62	<b>40,165.2</b>	<b>224,253</b>	3,274.8
32' 4	3' 2	99.19%	499,688	11,897	1,891,523	1,891.52	<b>1,861.61</b>	120.71	16.92	21.65	<b>40,303.9</b>	<b>224,715</b>	2,368.2
32' 5	3' 1	99.37%	500,603	11,919	1,894,988	1,894.99	<b>1,865.02</b>	120.71	16.91	21.68	<b>40,433.6</b>	<b>225,127</b>	1,645.8
32' 6	3' 0	99.53%	501,407	11,938	1,898,033	1,898.03	<b>1,868.02</b>	120.71	16.90	21.71	<b>40,554.7</b>	<b>225,489</b>	1,088.0
32' 7	2' 11	99.67%	502,101	11,955	1,900,659	1,900.66	<b>1,870.60</b>	120.71	16.89	21.73	<b>40,648.1</b>	<b>225,800</b>	673.3
32' 8	2' 10	99.78%	502,684	11,969	1,902,866	1,902.87	<b>1,872.77</b>	120.71	16.88	21.75	<b>40,732.7</b>	<b>226,062</b>	380.3
32' 9	2' 9	99.88%	503,156	11,980	1,904,653	1,904.65	<b>1,874.53</b>	120.71	16.87	21.77	<b>40,808.5</b>	<b>226,275</b>	187.7
32' 10	2' 8	99.95%	503,518	11,989	1,906,021	1,906.02	<b>1,875.88</b>	120.71	16.86	21.78	<b>40,856.7</b>	<b>226,437</b>	74.0
32' 11	2' 7	100.00%	503,768	11,994	1,906,970	1,906.97	<b>1,876.81</b>	120.71	16.85	21.79	<b>40,895.7</b>	<b>226,550</b>	19.2

Tank		Oil #3 PORT											
Specific Gravity		1											
Trim		0											
Capacity		12,010 BBL											
Label(s)		Oil#3.p											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
0' 1	35' 5	0	1708	41	6467	6	6	182	7	5	35	1158	1487
0' 2	35' 4	0	2639	63	9989	10	10	182	9	6	54	1790	2837
0' 3	35' 3	0	3769	90	14268	14	14	182	11	6	78	2555	4831
0' 4	35' 2	0	5050	120	19118	19	19	182	12	6	106	3425	5568
0' 5	35' 1	0	6340	151	24001	24	24	182	13	6	134	4299	5568
0' 6	35' 0	0	7630	182	28884	29	28	182	14	6	162	5174	5568
0' 7	34' 11	0	8920	212	33767	34	33	182	14	6	191	6048	5568
0' 8	34' 10	0	10210	243	38650	39	38	182	15	6	221	6923	5568
0' 9	34' 9	0	11500	274	43533	44	43	182	15	6	250	7796	5568
0' 10	34' 8	0	12790	305	48416	48	48	182	15	6	280	8672	5568
0' 11	34' 7	0	14080	335	53299	53	52	182	15	6	311	9547	5568
1' 0	34' 6	0	15370	366	58182	58	57	182	16	6	342	10421	5568
1' 1	34' 5	0	16660	397	63065	63	62	182	16	6	373	11296	5568
1' 2	34' 4	0	17950	427	67948	68	67	182	16	6	405	12170	5568
1' 3	34' 3	0	19240	458	72831	73	72	182	16	6	437	13045	5568
1' 4	34' 2	0	20530	489	77714	78	76	182	16	6	470	13919	5568
1' 5	34' 1	0	21820	520	82597	83	81	182	16	6	502	14794	5568
1' 6	34' 0	0	23110	550	87480	87	86	182	16	6	536	15669	5568
1' 7	33' 11	0	24400	581	92363	92	91	182	16	6	570	16543	5568
1' 8	33' 10	0	25690	612	97246	97	96	182	16	6	604	17418	5568
1' 9	33' 9	0	26980	642	102129	102	101	182	16	6	638	18291	5568
1' 10	33' 8	0	28270	673	107012	107	105	182	16	6	673	19166	5568
1' 11	33' 7	0	29559	704	111895	112	110	182	16	6	708	20041	5568
2' 0	33' 6	0	30849	735	116778	117	115	182	16	6	745	20915	5568
2' 1	33' 5	0	32139	765	121661	122	120	182	16	7	781	21790	5568
2' 2	33' 4	0	33429	796	126544	127	125	182	16	7	817	22664	5568
2' 3	33' 3	0	34719	827	131427	131	129	182	16	7	854	23539	5568
2' 4	33' 2	0	36009	857	136310	136	134	182	16	7	891	24413	5568
2' 5	33' 1	0	37299	888	141193	141	139	182	16	7	930	25288	5568
2' 6	33' 0	0	38589	919	146076	146	144	182	16	7	968	26163	5568
2' 7	32' 11	0	39879	950	150959	151	149	182	16	7	1006	27037	5568
2' 8	32' 10	0	41169	980	155842	156	153	182	16	7	1045	27912	5568
2' 9	32' 9	0	42459	1011	160725	161	158	182	16	7	1084	28786	5568

Tank		Oil #3 PORT											
Specific Gravity		1											
Trim		0											
Capacity		12,010 BBL											
Label(s)		Oil#3.p											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
2' 10	32' 8	0	43749	1042	165608	166	163	182	16	7	1125	29661	5568
2' 11	32' 7	0	45039	1072	170491	170	168	182	17	7	1164	30534	5568
3' 0	32' 6	0	46329	1103	175374	175	173	182	17	7	1205	31410	5568
3' 1	32' 5	9.44%	47,619	1,134	180,257	180.26	177.41	181.98	16.53	7.02	1,245.4	32,285	5,568.0
3' 2	32' 4	9.70%	48,909	1,164	185,140	185.14	182.21	181.98	16.54	7.06	1,286.4	33,159	5,568.0
3' 3	32' 3	9.95%	50,199	1,195	190,023	190.02	187.02	181.98	16.56	7.10	1,327.8	34,034	5,568.0
3' 4	32' 2	10.21%	51,489	1,226	194,906	194.91	191.82	181.98	16.57	7.15	1,371.5	34,907	5,568.0
3' 5	32' 1	10.46%	52,779	1,257	199,789	199.79	196.63	181.98	16.58	7.19	1,413.8	35,783	5,568.0
3' 6	32' 0	10.72%	54,068	1,287	204,671	204.67	201.43	181.98	16.59	7.23	1,456.3	36,656	5,568.0
3' 7	31' 11	10.97%	55,358	1,318	209,554	209.55	206.24	181.98	16.60	7.27	1,499.4	37,532	5,568.0
3' 8	31' 10	11.23%	56,648	1,349	214,437	214.44	211.05	181.98	16.61	7.31	1,542.8	38,407	5,568.0
3' 9	31' 9	11.49%	57,938	1,379	219,320	219.32	215.85	181.98	16.62	7.35	1,586.5	39,280	5,568.0
3' 10	31' 8	11.74%	59,228	1,410	224,203	224.20	220.66	181.98	16.63	7.40	1,632.9	40,156	5,568.0
3' 11	31' 7	12.00%	60,518	1,441	229,086	229.09	225.46	181.98	16.63	7.44	1,677.4	41,029	5,568.0
4' 0	31' 6	12.25%	61,808	1,472	233,969	233.97	230.27	181.98	16.64	7.48	1,722.4	41,905	5,568.0
4' 1	31' 5	12.51%	63,098	1,502	238,852	238.85	235.07	181.98	16.65	7.52	1,767.7	42,778	5,568.0
4' 2	31' 4	12.76%	64,388	1,533	243,735	243.74	239.88	181.98	16.66	7.56	1,813.5	43,653	5,568.0
4' 3	31' 3	13.02%	65,678	1,564	248,618	248.62	244.69	181.98	16.67	7.60	1,859.6	44,529	5,568.0
4' 4	31' 2	13.28%	66,968	1,594	253,501	253.50	249.49	181.98	16.67	7.65	1,908.6	45,402	5,568.0
4' 5	31' 1	13.53%	68,258	1,625	258,384	258.38	254.30	181.98	16.68	7.69	1,955.6	46,278	5,568.0
4' 6	31' 0	13.79%	69,548	1,656	263,267	263.27	259.10	181.98	16.68	7.73	2,002.8	47,151	5,568.0
4' 7	30' 11	14.04%	70,838	1,687	268,150	268.15	263.91	181.98	16.69	7.77	2,050.6	48,026	5,568.0
4' 8	30' 10	14.30%	72,128	1,717	273,033	273.03	268.72	181.98	16.70	7.81	2,098.7	48,902	5,568.0
4' 9	30' 9	14.56%	73,418	1,748	277,916	277.92	273.52	181.98	16.70	7.86	2,149.9	49,775	5,568.0
4' 10	30' 8	14.81%	74,708	1,779	282,799	282.80	278.33	181.98	16.71	7.90	2,198.8	50,650	5,568.0
4' 11	30' 7	15.07%	75,998	1,809	287,682	287.68	283.13	181.98	16.71	7.94	2,248.1	51,524	5,568.0
5' 0	30' 6	15.32%	77,288	1,840	292,565	292.57	287.94	181.98	16.72	7.98	2,297.8	52,399	5,568.0
5' 1	30' 5	15.58%	78,578	1,871	297,448	297.45	292.74	181.98	16.72	8.02	2,347.8	53,273	5,568.0
5' 2	30' 4	15.83%	79,868	1,902	302,331	302.33	297.55	181.98	16.73	8.06	2,398.3	54,148	5,568.0
5' 3	30' 3	16.09%	81,157	1,932	307,214	307.21	302.36	181.98	16.73	8.11	2,452.1	55,023	5,568.0
5' 4	30' 2	16.35%	82,447	1,963	312,097	312.10	307.16	181.98	16.74	8.15	2,503.4	55,897	5,568.0
5' 5	30' 1	16.60%	83,737	1,994	316,980	316.98	311.97	181.98	16.74	8.19	2,555.0	56,772	5,568.0
5' 6	30' 0	16.86%	85,027	2,024	321,863	321.86	316.77	181.98	16.75	8.23	2,607.0	57,646	5,568.0

Tank		Oil #3 PORT											
Specific Gravity		1											
Trim		0											
Capacity		12,010 BBL											
Label(s)		Oil#3.p											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
5' 7	29' 11	17.11%	86,317	2,055	326,746	326.75	<b>321.58</b>	181.98	16.75	8.27	<b>2,659.5</b>	<b>58,521</b>	5,568.0
5' 8	29' 10	17.37%	87,607	2,086	331,629	331.63	<b>326.38</b>	181.98	16.75	8.31	<b>2,712.2</b>	<b>59,395</b>	5,568.0
5' 9	29' 9	17.62%	88,897	2,117	336,512	336.51	<b>331.19</b>	181.98	16.76	8.36	<b>2,768.7</b>	<b>60,270</b>	5,568.0
5' 10	29' 8	17.88%	90,187	2,147	341,395	341.40	<b>336.0</b>	181.98	16.76	8.40	<b>2,822.4</b>	<b>61,145</b>	5,568.0
5' 11	29' 7	18.14%	91,477	2,178	346,278	346.28	<b>340.80</b>	181.98	16.77	8.44	<b>2,876.4</b>	<b>62,019</b>	5,568.0
6' 0	29' 6	18.39%	92,767	2,209	351,161	351.16	<b>345.61</b>	181.98	16.77	8.48	<b>2,930.8</b>	<b>62,894</b>	5,568.0
6' 1	29' 5	18.65%	94,057	2,239	356,044	356.04	<b>350.41</b>	181.98	16.77	8.52	<b>2,985.5</b>	<b>63,768</b>	5,568.0
6' 2	29' 4	18.90%	95,347	2,270	360,927	360.93	<b>355.22</b>	181.98	16.78	8.56	<b>3,040.7</b>	<b>64,643</b>	5,568.0
6' 3	29' 3	19.16%	96,637	2,301	365,810	365.81	<b>360.02</b>	181.98	16.78	8.61	<b>3,099.8</b>	<b>65,516</b>	5,568.0
6' 4	29' 2	19.41%	97,927	2,332	370,693	370.69	<b>364.83</b>	181.98	16.78	8.65	<b>3,155.8</b>	<b>66,392</b>	5,568.0
6' 5	29' 1	19.67%	99,217	2,362	375,576	375.58	<b>369.64</b>	181.98	16.79	8.69	<b>3,212.2</b>	<b>67,267</b>	5,568.0
6' 6	29' 0	19.93%	100,507	2,393	380,459	380.46	<b>374.44</b>	181.98	16.79	8.73	<b>3,268.9</b>	<b>68,141</b>	5,568.0
6' 7	28' 11	20.18%	101,797	2,424	385,342	385.34	<b>379.25</b>	181.98	16.79	8.77	<b>3,326.0</b>	<b>69,016</b>	5,568.0
6' 8	28' 10	20.44%	103,087	2,454	390,225	390.23	<b>384.05</b>	181.98	16.79	8.81	<b>3,383.5</b>	<b>69,889</b>	5,568.0
6' 9	28' 9	20.69%	104,377	2,485	395,108	395.11	<b>388.86</b>	181.98	16.80	8.86	<b>3,445.3</b>	<b>70,765</b>	5,568.0
6' 10	28' 8	20.95%	105,667	2,516	399,991	399.99	<b>393.67</b>	181.98	16.80	8.90	<b>3,503.7</b>	<b>71,640</b>	5,568.0
6' 11	28' 7	21.20%	106,957	2,547	404,874	404.87	<b>398.47</b>	181.98	16.80	8.94	<b>3,562.3</b>	<b>72,514</b>	5,568.0
7' 0	28' 6	21.46%	108,247	2,577	409,758	409.76	<b>403.28</b>	181.98	16.80	8.98	<b>3,621.5</b>	<b>73,389</b>	5,568.0
7' 1	28' 5	21.72%	109,536	2,608	414,640	414.64	<b>408.08</b>	181.98	16.81	9.02	<b>3,680.9</b>	<b>74,262</b>	5,568.0
7' 2	28' 4	21.97%	110,826	2,639	419,524	419.52	<b>412.89</b>	181.98	16.81	9.06	<b>3,740.8</b>	<b>75,138</b>	5,568.0
7' 3	28' 3	22.23%	112,116	2,669	424,406	424.41	<b>417.69</b>	181.98	16.81	9.11	<b>3,805.2</b>	<b>76,011</b>	5,568.0
7' 4	28' 2	22.48%	113,406	2,700	429,290	429.29	<b>422.50</b>	181.98	16.81	9.15	<b>3,865.9</b>	<b>76,887</b>	5,568.0
7' 5	28' 1	22.74%	114,696	2,731	434,172	434.17	<b>427.31</b>	181.98	16.82	9.19	<b>3,927.0</b>	<b>77,762</b>	5,568.0
7' 6	28' 0	22.99%	115,986	2,762	439,056	439.06	<b>432.11</b>	181.98	16.82	9.23	<b>3,988.4</b>	<b>78,635</b>	5,568.0
7' 7	27' 11	23.25%	117,276	2,792	443,938	443.94	<b>436.92</b>	181.98	16.82	9.27	<b>4,050.2</b>	<b>79,511</b>	5,568.0
7' 8	27' 10	23.51%	118,566	2,823	448,822	448.82	<b>441.72</b>	181.98	16.82	9.31	<b>4,112.4</b>	<b>80,384</b>	5,568.0
7' 9	27' 9	23.76%	119,856	2,854	453,704	453.70	<b>446.53</b>	181.98	16.83	9.36	<b>4,179.5</b>	<b>81,260</b>	5,568.0
7' 10	27' 8	24.02%	121,146	2,884	458,587	458.59	<b>451.33</b>	181.98	16.83	9.40	<b>4,242.5</b>	<b>82,133</b>	5,568.0
7' 11	27' 7	24.27%	122,436	2,915	463,470	463.47	<b>456.14</b>	181.98	16.83	9.44	<b>4,306.0</b>	<b>83,008</b>	5,568.0
8' 0	27' 6	24.53%	123,726	2,946	468,353	468.35	<b>460.95</b>	181.98	16.83	9.48	<b>4,369.8</b>	<b>83,884</b>	5,568.0
8' 1	27' 5	24.78%	125,016	2,977	473,236	473.24	<b>465.75</b>	181.98	16.83	9.52	<b>4,433.9</b>	<b>84,757</b>	5,568.0
8' 2	27' 4	25.04%	126,306	3,007	478,119	478.12	<b>470.56</b>	181.98	16.84	9.56	<b>4,498.6</b>	<b>85,633</b>	5,568.0
8' 3	27' 3	25.30%	127,596	3,038	483,002	483.0	<b>475.36</b>	181.98	16.84	9.61	<b>4,568.2</b>	<b>86,506</b>	5,568.0

Tank		Oil #3 PORT												
Specific Gravity		1												
Trim		0												
Capacity		12,010 BBL												
Label(s)		Oil#3.p												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
8' 4	27' 2	25.55%	128,886	3,069	487,885	487.89	<b>480.17</b>	181.98	16.84	9.65	<b>4,633.6</b>	<b>87,381</b>	5,568.0	
8' 5	27' 1	25.81%	130,176	3,099	492,768	492.77	<b>484.97</b>	181.98	16.84	9.69	<b>4,699.4</b>	<b>88,255</b>	5,568.0	
8' 6	27' 0	26.06%	131,466	3,130	497,651	497.65	<b>489.78</b>	181.98	16.84	9.73	<b>4,765.6</b>	<b>89,130</b>	5,568.0	
8' 7	26' 11	26.32%	132,756	3,161	502,534	502.53	<b>494.59</b>	181.98	16.84	9.77	<b>4,832.1</b>	<b>90,005</b>	5,568.0	
8' 8	26' 10	26.57%	134,045	3,192	507,417	507.42	<b>499.39</b>	181.98	16.85	9.81	<b>4,899.0</b>	<b>90,879</b>	5,568.0	
8' 9	26' 9	26.83%	135,335	3,222	512,300	512.30	<b>504.20</b>	181.98	16.85	9.86	<b>4,971.4</b>	<b>91,754</b>	5,568.0	
8' 10	26' 8	27.09%	136,625	3,253	517,183	517.18	<b>509.0</b>	181.98	16.85	9.90	<b>5,039.1</b>	<b>92,628</b>	5,568.0	
8' 11	26' 7	27.34%	137,915	3,284	522,066	522.07	<b>513.81</b>	181.98	16.85	9.94	<b>5,107.3</b>	<b>93,503</b>	5,568.0	
9' 0	26' 6	27.60%	139,205	3,314	526,949	526.95	<b>518.62</b>	181.98	16.85	9.98	<b>5,175.8</b>	<b>94,378</b>	5,568.0	
9' 1	26' 5	27.85%	140,495	3,345	531,832	531.83	<b>523.42</b>	181.98	16.85	10.02	<b>5,244.7</b>	<b>95,252</b>	5,568.0	
9' 2	26' 4	28.11%	141,785	3,376	536,715	536.71	<b>528.23</b>	181.98	16.86	10.06	<b>5,314.0</b>	<b>96,127</b>	5,568.0	
9' 3	26' 3	28.36%	143,075	3,407	541,598	541.60	<b>533.03</b>	181.98	16.86	10.11	<b>5,388.9</b>	<b>97,001</b>	5,568.0	
9' 4	26' 2	28.62%	144,365	3,437	546,481	546.48	<b>537.84</b>	181.98	16.86	10.15	<b>5,459.1</b>	<b>97,876</b>	5,568.0	
9' 5	26' 1	28.88%	145,655	3,468	551,364	551.36	<b>542.64</b>	181.98	16.86	10.19	<b>5,529.5</b>	<b>98,750</b>	5,568.0	
9' 6	26' 0	29.13%	146,945	3,499	556,247	556.25	<b>547.45</b>	181.98	16.86	10.23	<b>5,600.4</b>	<b>99,625</b>	5,568.0	
9' 7	25' 11	29.39%	148,235	3,529	561,130	561.13	<b>552.26</b>	181.98	16.86	10.27	<b>5,671.7</b>	<b>100,500</b>	5,568.0	
9' 8	25' 10	29.64%	149,525	3,560	566,013	566.01	<b>557.06</b>	181.98	16.86	10.31	<b>5,743.3</b>	<b>101,374</b>	5,568.0	
9' 9	25' 9	29.90%	150,815	3,591	570,896	570.90	<b>561.87</b>	181.98	16.87	10.36	<b>5,821.0</b>	<b>102,249</b>	5,568.0	
9' 10	25' 8	30.15%	152,105	3,622	575,779	575.78	<b>566.67</b>	181.98	16.87	10.40	<b>5,893.4</b>	<b>103,123</b>	5,568.0	
9' 11	25' 7	30.41%	153,395	3,652	580,662	580.66	<b>571.48</b>	181.98	16.87	10.44	<b>5,966.3</b>	<b>103,998</b>	5,568.0	
10' 0	25' 6	30.67%	154,685	3,683	585,545	585.54	<b>576.28</b>	181.98	16.87	10.48	<b>6,039.4</b>	<b>104,871</b>	5,568.0	
10' 1	25' 5	30.92%	155,975	3,714	590,428	590.43	<b>581.09</b>	181.98	16.87	10.52	<b>6,113.1</b>	<b>105,747</b>	5,568.0	
10' 2	25' 4	31.18%	157,264	3,744	595,311	595.31	<b>585.90</b>	181.98	16.87	10.56	<b>6,187.1</b>	<b>106,622</b>	5,568.0	
10' 3	25' 3	31.43%	158,554	3,775	600,193	600.19	<b>590.70</b>	181.98	16.87	10.61	<b>6,267.3</b>	<b>107,496</b>	5,568.0	
10' 4	25' 2	31.69%	159,844	3,806	605,076	605.08	<b>595.51</b>	181.98	16.87	10.65	<b>6,342.2</b>	<b>108,371</b>	5,568.0	
10' 5	25' 1	31.94%	161,134	3,837	609,960	609.96	<b>600.31</b>	181.98	16.88	10.69	<b>6,417.3</b>	<b>109,244</b>	5,568.0	
10' 6	25' 0	32.20%	162,424	3,867	614,842	614.84	<b>605.12</b>	181.98	16.88	10.73	<b>6,492.9</b>	<b>110,120</b>	5,568.0	
10' 7	24' 11	32.46%	163,714	3,898	619,725	619.73	<b>609.92</b>	181.98	16.88	10.77	<b>6,568.8</b>	<b>110,993</b>	5,568.0	
10' 8	24' 10	32.71%	165,004	3,929	624,608	624.61	<b>614.73</b>	181.98	16.88	10.81	<b>6,645.2</b>	<b>111,869</b>	5,568.0	
10' 9	24' 9	32.97%	166,294	3,959	629,492	629.49	<b>619.54</b>	181.98	16.88	10.86	<b>6,728.2</b>	<b>112,744</b>	5,568.0	
10' 10	24' 8	33.22%	167,584	3,990	634,374	634.37	<b>624.34</b>	181.98	16.88	10.90	<b>6,805.3</b>	<b>113,617</b>	5,568.0	
10' 11	24' 7	33.48%	168,874	4,021	639,257	639.26	<b>629.15</b>	181.98	16.88	10.94	<b>6,882.9</b>	<b>114,493</b>	5,568.0	
11' 0	24' 6	33.73%	170,164	4,052	644,140	644.14	<b>633.95</b>	181.98	16.88	10.98	<b>6,960.8</b>	<b>115,366</b>	5,568.0	

Tank		Oil #3 PORT											
Specific Gravity		1											
Trim		0											
Capacity		12,010 BBL											
Label(s)		Oil#3.p											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
11' 1	24' 5	33.99%	171,454	4,082	649,023	649.02	<b>638.76</b>	181.98	16.88	11.02	<b>7,039.1</b>	<b>116,242</b>	5,568.0
11' 2	24' 4	34.25%	172,744	4,113	653,906	653.91	<b>643.56</b>	181.98	16.89	11.06	<b>7,117.8</b>	<b>117,115</b>	5,568.0
11' 3	24' 3	34.50%	174,034	4,144	658,790	658.79	<b>648.37</b>	181.98	16.89	11.11	<b>7,203.4</b>	<b>117,990</b>	5,568.0
11' 4	24' 2	34.76%	175,324	4,174	663,672	663.67	<b>653.18</b>	181.98	16.89	11.15	<b>7,283.0</b>	<b>118,866</b>	5,568.0
11' 5	24' 1	35.01%	176,614	4,205	668,555	668.56	<b>657.98</b>	181.98	16.89	11.19	<b>7,362.8</b>	<b>119,739</b>	5,568.0
11' 6	24' 0	35.27%	177,904	4,236	673,438	673.44	<b>662.79</b>	181.98	16.89	11.23	<b>7,443.1</b>	<b>120,615</b>	5,568.0
11' 7	23' 11	35.52%	179,194	4,267	678,321	678.32	<b>667.59</b>	181.98	16.89	11.27	<b>7,523.7</b>	<b>121,488</b>	5,568.0
11' 8	23' 10	35.78%	180,483	4,297	683,204	683.20	<b>672.40</b>	181.98	16.89	11.31	<b>7,604.8</b>	<b>122,363</b>	5,568.0
11' 9	23' 9	36.04%	181,773	4,328	688,087	688.09	<b>677.20</b>	181.98	16.89	11.36	<b>7,693.0</b>	<b>123,237</b>	5,568.0
11' 10	23' 8	36.29%	183,063	4,359	692,970	692.97	<b>682.01</b>	181.98	16.89	11.40	<b>7,774.9</b>	<b>124,112</b>	5,568.0
11' 11	23' 7	36.55%	184,353	4,389	697,853	697.85	<b>686.82</b>	181.98	16.89	11.44	<b>7,857.2</b>	<b>124,988</b>	5,568.0
12' 0	23' 6	36.80%	185,643	4,420	702,736	702.74	<b>691.62</b>	181.98	16.89	11.48	<b>7,939.8</b>	<b>125,861</b>	5,568.0
12' 1	23' 5	37.06%	186,933	4,451	707,619	707.62	<b>696.43</b>	181.98	16.90	11.52	<b>8,022.9</b>	<b>126,736</b>	5,568.0
12' 2	23' 4	37.32%	188,223	4,482	712,502	712.50	<b>701.23</b>	181.98	16.90	11.56	<b>8,106.2</b>	<b>127,610</b>	5,568.0
12' 3	23' 3	37.57%	189,513	4,512	717,385	717.38	<b>706.04</b>	181.98	16.90	11.61	<b>8,197.1</b>	<b>128,485</b>	5,568.0
12' 4	23' 2	37.83%	190,803	4,543	722,268	722.27	<b>710.84</b>	181.98	16.90	11.65	<b>8,281.3</b>	<b>129,359</b>	5,568.0
12' 5	23' 1	38.08%	192,093	4,574	727,151	727.15	<b>715.65</b>	181.98	16.90	11.69	<b>8,365.9</b>	<b>130,234</b>	5,568.0
12' 6	23' 0	38.34%	193,383	4,604	732,034	732.03	<b>720.46</b>	181.98	16.90	11.73	<b>8,451.0</b>	<b>131,109</b>	5,568.0
12' 7	22' 11	38.59%	194,673	4,635	736,917	736.92	<b>725.26</b>	181.98	16.90	11.77	<b>8,536.3</b>	<b>131,983</b>	5,568.0
12' 8	22' 10	38.85%	195,963	4,666	741,800	741.80	<b>730.07</b>	181.98	16.90	11.81	<b>8,622.1</b>	<b>132,858</b>	5,568.0
12' 9	22' 9	39.11%	197,253	4,696	746,683	746.68	<b>734.87</b>	181.98	16.90	11.86	<b>8,715.6</b>	<b>133,732</b>	5,568.0
12' 10	22' 8	39.36%	198,543	4,727	751,566	751.57	<b>739.68</b>	181.98	16.90	11.90	<b>8,802.2</b>	<b>134,607</b>	5,568.0
12' 11	22' 7	39.62%	199,833	4,758	756,449	756.45	<b>744.48</b>	181.98	16.90	11.94	<b>8,889.1</b>	<b>135,480</b>	5,568.0
13' 0	22' 6	39.87%	201,123	4,789	761,331	761.33	<b>749.29</b>	181.98	16.90	11.98	<b>8,976.5</b>	<b>136,356</b>	5,568.0
13' 1	22' 5	40.13%	202,413	4,819	766,215	766.21	<b>754.10</b>	181.98	16.90	12.02	<b>9,064.3</b>	<b>137,231</b>	5,568.0
13' 2	22' 4	40.38%	203,702	4,850	771,097	771.10	<b>758.90</b>	181.98	16.91	12.06	<b>9,152.3</b>	<b>138,105</b>	5,568.0
13' 3	22' 3	40.64%	204,992	4,881	775,980	775.98	<b>763.71</b>	181.98	16.91	12.11	<b>9,248.5</b>	<b>138,980</b>	5,568.0
13' 4	22' 2	40.90%	206,282	4,911	780,863	780.86	<b>768.51</b>	181.98	16.91	12.15	<b>9,337.4</b>	<b>139,853</b>	5,568.0
13' 5	22' 1	41.15%	207,572	4,942	785,746	785.75	<b>773.32</b>	181.98	16.91	12.19	<b>9,426.8</b>	<b>140,729</b>	5,568.0
13' 6	22' 0	41.41%	208,862	4,973	790,629	790.63	<b>778.13</b>	181.98	16.91	12.23	<b>9,516.5</b>	<b>141,604</b>	5,568.0
13' 7	21' 11	41.66%	210,152	5,004	795,513	795.51	<b>782.93</b>	181.98	16.91	12.27	<b>9,606.6</b>	<b>142,478</b>	5,568.0
13' 8	21' 10	41.92%	211,442	5,034	800,395	800.40	<b>787.74</b>	181.98	16.91	12.31	<b>9,697.1</b>	<b>143,353</b>	5,568.0
13' 9	21' 9	42.17%	212,732	5,065	805,278	805.28	<b>792.54</b>	181.98	16.91	12.36	<b>9,795.8</b>	<b>144,226</b>	5,568.0

Tank		Oil #3 PORT												
Specific Gravity		1												
Trim		0												
Capacity		12,010 BBL												
Label(s)		Oil#3.p												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
13' 10	21' 8	42.43%	214,022	5,096	810,161	810.16	<b>797.35</b>	181.98	16.91	12.40	<b>9,887.1</b>	<b>145,102</b>	5,568.0	
13' 11	21' 7	42.69%	215,312	5,126	815,045	815.04	<b>802.15</b>	181.98	16.91	12.44	<b>9,978.7</b>	<b>145,975</b>	5,568.0	
14' 0	21' 6	42.94%	216,602	5,157	819,927	819.93	<b>806.96</b>	181.98	16.91	12.48	<b>10,070.9</b>	<b>146,851</b>	5,568.0	
14' 1	21' 5	43.20%	217,892	5,188	824,810	824.81	<b>811.77</b>	181.98	16.91	12.52	<b>10,163.4</b>	<b>147,726</b>	5,568.0	
14' 2	21' 4	43.45%	219,182	5,219	829,693	829.69	<b>816.57</b>	181.98	16.91	12.57	<b>10,264.3</b>	<b>148,599</b>	5,568.0	
14' 3	21' 3	43.71%	220,472	5,249	834,576	834.58	<b>821.38</b>	181.98	16.91	12.61	<b>10,357.6</b>	<b>149,475</b>	5,568.0	
14' 4	21' 2	43.96%	221,762	5,280	839,459	839.46	<b>826.18</b>	181.98	16.92	12.65	<b>10,451.2</b>	<b>150,348</b>	5,568.0	
14' 5	21' 1	44.22%	223,052	5,311	844,342	844.34	<b>830.99</b>	181.98	16.92	12.69	<b>10,545.3</b>	<b>151,224</b>	5,568.0	
14' 6	21' 0	44.48%	224,342	5,341	849,225	849.22	<b>835.79</b>	181.98	16.92	12.73	<b>10,639.6</b>	<b>152,097</b>	5,568.0	
14' 7	20' 11	44.73%	225,632	5,372	854,108	854.11	<b>840.60</b>	181.98	16.92	12.77	<b>10,734.5</b>	<b>152,972</b>	5,568.0	
14' 8	20' 10	44.99%	226,921	5,403	858,991	858.99	<b>845.41</b>	181.98	16.92	12.82	<b>10,838.2</b>	<b>153,848</b>	5,568.0	
14' 9	20' 9	45.24%	228,211	5,434	863,874	863.87	<b>850.21</b>	181.98	16.92	12.86	<b>10,933.7</b>	<b>154,721</b>	5,568.0	
14' 10	20' 8	45.50%	229,501	5,464	868,757	868.76	<b>855.02</b>	181.98	16.92	12.90	<b>11,029.8</b>	<b>155,597</b>	5,568.0	
14' 11	20' 7	45.75%	230,791	5,495	873,640	873.64	<b>859.82</b>	181.98	16.92	12.94	<b>11,126.1</b>	<b>156,470</b>	5,568.0	
15' 0	20' 6	46.01%	232,081	5,526	878,523	878.52	<b>864.63</b>	181.98	16.92	12.98	<b>11,222.9</b>	<b>157,345</b>	5,568.0	
15' 1	20' 5	46.27%	233,371	5,556	883,406	883.41	<b>869.43</b>	181.98	16.92	13.02	<b>11,320.0</b>	<b>158,219</b>	5,568.0	
15' 2	20' 4	46.52%	234,661	5,587	888,289	888.29	<b>874.24</b>	181.98	16.92	13.07	<b>11,426.3</b>	<b>159,094</b>	5,568.0	
15' 3	20' 3	46.78%	235,951	5,618	893,172	893.17	<b>879.05</b>	181.98	16.92	13.11	<b>11,524.3</b>	<b>159,970</b>	5,568.0	
15' 4	20' 2	47.03%	237,241	5,649	898,055	898.05	<b>883.85</b>	181.98	16.92	13.15	<b>11,622.6</b>	<b>160,843</b>	5,568.0	
15' 5	20' 1	47.29%	238,531	5,679	902,938	902.94	<b>888.66</b>	181.98	16.92	13.19	<b>11,721.4</b>	<b>161,718</b>	5,568.0	
15' 6	20' 0	47.54%	239,821	5,710	907,821	907.82	<b>893.46</b>	181.98	16.92	13.23	<b>11,820.5</b>	<b>162,592</b>	5,568.0	
15' 7	19' 11	47.80%	241,111	5,741	912,704	912.70	<b>898.27</b>	181.98	16.92	13.27	<b>11,920.0</b>	<b>163,467</b>	5,568.0	
15' 8	19' 10	48.06%	242,401	5,771	917,586	917.59	<b>903.07</b>	181.98	16.92	13.32	<b>12,028.9</b>	<b>164,341</b>	5,568.0	
15' 9	19' 9	48.31%	243,691	5,802	922,470	922.47	<b>907.88</b>	181.98	16.92	13.36	<b>12,129.3</b>	<b>165,216</b>	5,568.0	
15' 10	19' 8	48.57%	244,981	5,833	927,352	927.35	<b>912.69</b>	181.98	16.93	13.40	<b>12,230.0</b>	<b>166,091</b>	5,568.0	
15' 11	19' 7	48.82%	246,271	5,864	932,236	932.24	<b>917.49</b>	181.98	16.93	13.44	<b>12,331.1</b>	<b>166,965</b>	5,568.0	
16' 0	19' 6	49.08%	247,561	5,894	937,119	937.12	<b>922.30</b>	181.98	16.93	13.48	<b>12,432.6</b>	<b>167,840</b>	5,568.0	
16' 1	19' 5	49.33%	248,851	5,925	942,002	942.0	<b>927.10</b>	181.98	16.93	13.52	<b>12,534.4</b>	<b>168,714</b>	5,568.0	
16' 2	19' 4	49.59%	250,141	5,956	946,885	946.88	<b>931.91</b>	181.98	16.93	13.57	<b>12,646.0</b>	<b>169,589</b>	5,568.0	
16' 3	19' 3	49.85%	251,430	5,986	951,768	951.77	<b>936.71</b>	181.98	16.93	13.61	<b>12,748.6</b>	<b>170,462</b>	5,568.0	
16' 4	19' 2	50.10%	252,720	6,017	956,650	956.65	<b>941.52</b>	181.98	16.93	13.65	<b>12,851.7</b>	<b>171,338</b>	5,568.0	
16' 5	19' 1	50.36%	254,010	6,048	961,534	961.53	<b>946.33</b>	181.98	16.93	13.69	<b>12,955.3</b>	<b>172,213</b>	5,568.0	
16' 6	19' 0	50.61%	255,300	6,079	966,417	966.42	<b>951.13</b>	181.98	16.93	13.73	<b>13,059.0</b>	<b>173,087</b>	5,568.0	



Tank		Oil #3 PORT											
Specific Gravity		1											
Trim		0											
Capacity		12,010 BBL											
Label(s)		Oil#3.p											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
16' 7	18' 11	50.87%	256,590	6,109	971,300	971.30	<b>955.94</b>	181.98	16.93	13.77	<b>13,163.3</b>	<b>173,962</b>	5,568.0
16' 8	18' 10	51.12%	257,880	6,140	976,183	976.18	<b>960.74</b>	181.98	16.93	13.82	<b>13,277.4</b>	<b>174,835</b>	5,568.0
16' 9	18' 9	51.38%	259,170	6,171	981,066	981.07	<b>965.55</b>	181.98	16.93	13.86	<b>13,382.5</b>	<b>175,711</b>	5,568.0
16' 10	18' 8	51.64%	260,460	6,201	985,949	985.95	<b>970.36</b>	181.98	16.93	13.90	<b>13,488.0</b>	<b>176,586</b>	5,568.0
16' 11	18' 7	51.89%	261,750	6,232	990,832	990.83	<b>975.16</b>	181.98	16.93	13.94	<b>13,593.7</b>	<b>177,460</b>	5,568.0
17' 0	18' 6	52.15%	263,040	6,263	995,715	995.71	<b>979.97</b>	181.98	16.93	13.98	<b>13,700.0</b>	<b>178,335</b>	5,568.0
17' 1	18' 5	52.40%	264,330	6,294	1,000,598	1,000.60	<b>984.77</b>	181.98	16.93	14.02	<b>13,806.5</b>	<b>179,208</b>	5,568.0
17' 2	18' 4	52.66%	265,620	6,324	1,005,481	1,005.48	<b>989.58</b>	181.98	16.93	14.07	<b>13,923.4</b>	<b>180,084</b>	5,568.0
17' 3	18' 3	52.91%	266,910	6,355	1,010,364	1,010.36	<b>994.38</b>	181.98	16.93	14.11	<b>14,030.7</b>	<b>180,957</b>	5,568.0
17' 4	18' 2	53.17%	268,200	6,386	1,015,247	1,015.25	<b>999.19</b>	181.98	16.93	14.15	<b>14,138.5</b>	<b>181,833</b>	5,568.0
17' 5	18' 1	53.43%	269,490	6,416	1,020,130	1,020.13	<b>1,004.0</b>	181.98	16.93	14.19	<b>14,246.8</b>	<b>182,708</b>	5,568.0
17' 6	18' 0	53.68%	270,780	6,447	1,025,013	1,025.01	<b>1,008.80</b>	181.98	16.93	14.23	<b>14,355.2</b>	<b>183,581</b>	5,568.0
17' 7	17' 11	53.94%	272,070	6,478	1,029,896	1,029.90	<b>1,013.61</b>	181.98	16.93	14.27	<b>14,464.2</b>	<b>184,457</b>	5,568.0
17' 8	17' 10	54.19%	273,360	6,509	1,034,779	1,034.78	<b>1,018.41</b>	181.98	16.93	14.32	<b>14,583.6</b>	<b>185,330</b>	5,568.0
17' 9	17' 9	54.45%	274,650	6,539	1,039,662	1,039.66	<b>1,023.22</b>	181.98	16.94	14.36	<b>14,693.4</b>	<b>186,206</b>	5,568.0
17' 10	17' 8	54.70%	275,940	6,570	1,044,545	1,044.55	<b>1,028.03</b>	181.98	16.94	14.40	<b>14,803.6</b>	<b>187,081</b>	5,568.0
17' 11	17' 7	54.96%	277,230	6,601	1,049,428	1,049.43	<b>1,032.83</b>	181.98	16.94	14.44	<b>14,914.1</b>	<b>187,954</b>	5,568.0
18' 0	17' 6	55.22%	278,520	6,631	1,054,311	1,054.31	<b>1,037.64</b>	181.98	16.94	14.48	<b>15,025.0</b>	<b>188,830</b>	5,568.0
18' 1	17' 5	55.47%	279,810	6,662	1,059,194	1,059.19	<b>1,042.44</b>	181.98	16.94	14.52	<b>15,136.2</b>	<b>189,703</b>	5,568.0
18' 2	17' 4	55.73%	281,100	6,693	1,064,077	1,064.08	<b>1,047.25</b>	181.98	16.94	14.57	<b>15,258.4</b>	<b>190,579</b>	5,568.0
18' 3	17' 3	55.98%	282,389	6,724	1,068,960	1,068.96	<b>1,052.05</b>	181.98	16.94	14.61	<b>15,370.5</b>	<b>191,452</b>	5,568.0
18' 4	17' 2	56.24%	283,679	6,754	1,073,843	1,073.84	<b>1,056.86</b>	181.98	16.94	14.65	<b>15,483.0</b>	<b>192,327</b>	5,568.0
18' 5	17' 1	56.49%	284,969	6,785	1,078,726	1,078.73	<b>1,061.67</b>	181.98	16.94	14.69	<b>15,595.9</b>	<b>193,203</b>	5,568.0
18' 6	17' 0	56.75%	286,259	6,816	1,083,609	1,083.61	<b>1,066.47</b>	181.98	16.94	14.73	<b>15,709.1</b>	<b>194,076</b>	5,568.0
18' 7	16' 11	57.01%	287,549	6,846	1,088,492	1,088.49	<b>1,071.28</b>	181.98	16.94	14.77	<b>15,822.8</b>	<b>194,952</b>	5,568.0
18' 8	16' 10	57.26%	288,839	6,877	1,093,375	1,093.38	<b>1,076.08</b>	181.98	16.94	14.82	<b>15,947.5</b>	<b>195,825</b>	5,568.0
18' 9	16' 9	57.52%	290,129	6,908	1,098,258	1,098.26	<b>1,080.89</b>	181.98	16.94	14.86	<b>16,062.0</b>	<b>196,700</b>	5,568.0
18' 10	16' 8	57.77%	291,419	6,939	1,103,142	1,103.14	<b>1,085.69</b>	181.98	16.94	14.90	<b>16,176.8</b>	<b>197,574</b>	5,568.0
18' 11	16' 7	58.03%	292,709	6,969	1,108,024	1,108.02	<b>1,090.50</b>	181.98	16.94	14.94	<b>16,292.1</b>	<b>198,449</b>	5,568.0
19' 0	16' 6	58.29%	293,999	7,000	1,112,908	1,112.91	<b>1,095.31</b>	181.98	16.94	14.98	<b>16,407.7</b>	<b>199,325</b>	5,568.0
19' 1	16' 5	58.54%	295,289	7,031	1,117,790	1,117.79	<b>1,100.11</b>	181.98	16.94	15.02	<b>16,523.7</b>	<b>200,198</b>	5,568.0
19' 2	16' 4	58.80%	296,579	7,061	1,122,673	1,122.67	<b>1,104.92</b>	181.98	16.94	15.07	<b>16,651.1</b>	<b>201,073</b>	5,568.0
19' 3	16' 3	59.05%	297,869	7,092	1,127,556	1,127.56	<b>1,109.72</b>	181.98	16.94	15.11	<b>16,767.9</b>	<b>201,947</b>	5,568.0

Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
19' 4	16' 2	59.31%	299,159	7,123	1,132,440	1,132.44	<b>1,114.53</b>	181.98	16.94	15.15	<b>16,885.1</b>	<b>202,822</b>	5,568.0
19' 5	16' 1	59.56%	300,449	7,154	1,137,322	1,137.32	<b>1,119.34</b>	181.98	16.94	15.19	<b>17,002.8</b>	<b>203,697</b>	5,568.0
19' 6	16' 0	59.82%	301,739	7,184	1,142,205	1,142.21	<b>1,124.14</b>	181.98	16.94	15.23	<b>17,120.7</b>	<b>204,571</b>	5,568.0
19' 7	15' 11	60.08%	303,029	7,215	1,147,088	1,147.09	<b>1,128.95</b>	181.98	16.94	15.27	<b>17,239.1</b>	<b>205,446</b>	5,568.0
19' 8	15' 10	60.33%	304,319	7,246	1,151,972	1,151.97	<b>1,133.75</b>	181.98	16.94	15.32	<b>17,369.1</b>	<b>206,320</b>	5,568.0
19' 9	15' 9	60.59%	305,609	7,276	1,156,855	1,156.85	<b>1,138.56</b>	181.98	16.94	15.36	<b>17,488.3</b>	<b>207,195</b>	5,568.0
19' 10	15' 8	60.84%	306,899	7,307	1,161,738	1,161.74	<b>1,143.36</b>	181.98	16.94	15.40	<b>17,607.7</b>	<b>208,069</b>	5,568.0
19' 11	15' 7	61.10%	308,189	7,338	1,166,621	1,166.62	<b>1,148.17</b>	181.98	16.94	15.44	<b>17,727.7</b>	<b>208,944</b>	5,568.0
20' 0	15' 6	61.35%	309,479	7,369	1,171,504	1,171.50	<b>1,152.98</b>	181.98	16.94	15.48	<b>17,848.1</b>	<b>209,819</b>	5,568.0
20' 1	15' 5	61.61%	310,769	7,399	1,176,387	1,176.39	<b>1,157.78</b>	181.98	16.95	15.52	<b>17,968.7</b>	<b>210,693</b>	5,568.0
20' 2	15' 4	61.87%	312,058	7,430	1,181,270	1,181.27	<b>1,162.59</b>	181.98	16.95	15.57	<b>18,101.5</b>	<b>211,568</b>	5,568.0
20' 3	15' 3	62.12%	313,348	7,461	1,186,153	1,186.15	<b>1,167.39</b>	181.98	16.95	15.61	<b>18,223.0</b>	<b>212,442</b>	5,568.0
20' 4	15' 2	62.38%	314,638	7,491	1,191,036	1,191.04	<b>1,172.20</b>	181.98	16.95	15.65	<b>18,344.9</b>	<b>213,317</b>	5,568.0
20' 5	15' 1	62.63%	315,928	7,522	1,195,919	1,195.92	<b>1,177.01</b>	181.98	16.95	15.69	<b>18,467.3</b>	<b>214,192</b>	5,568.0
20' 6	15' 0	62.89%	317,218	7,553	1,200,802	1,200.80	<b>1,181.81</b>	181.98	16.95	15.73	<b>18,589.9</b>	<b>215,066</b>	5,568.0
20' 7	14' 11	63.14%	318,508	7,584	1,205,685	1,205.68	<b>1,186.62</b>	181.98	16.95	15.77	<b>18,713.0</b>	<b>215,941</b>	5,568.0
20' 8	14' 10	63.40%	319,798	7,614	1,210,568	1,210.57	<b>1,191.42</b>	181.98	16.95	15.82	<b>18,848.3</b>	<b>216,815</b>	5,568.0
20' 9	14' 9	63.66%	321,088	7,645	1,215,451	1,215.45	<b>1,196.23</b>	181.98	16.95	15.86	<b>18,972.2</b>	<b>217,690</b>	5,568.0
20' 10	14' 8	63.91%	322,378	7,676	1,220,334	1,220.33	<b>1,201.03</b>	181.98	16.95	15.90	<b>19,096.4</b>	<b>218,563</b>	5,568.0
20' 11	14' 7	64.17%	323,668	7,706	1,225,217	1,225.22	<b>1,205.84</b>	181.98	16.95	15.94	<b>19,221.1</b>	<b>219,439</b>	5,568.0
21' 0	14' 6	64.42%	324,958	7,737	1,230,100	1,230.10	<b>1,210.65</b>	181.98	16.95	15.98	<b>19,346.2</b>	<b>220,314</b>	5,568.0
21' 1	14' 5	64.68%	326,248	7,768	1,234,983	1,234.98	<b>1,215.45</b>	181.98	16.95	16.02	<b>19,471.5</b>	<b>221,188</b>	5,568.0
21' 2	14' 4	64.93%	327,538	7,799	1,239,866	1,239.87	<b>1,220.26</b>	181.98	16.95	16.07	<b>19,609.6</b>	<b>222,063</b>	5,568.0
21' 3	14' 3	65.19%	328,828	7,829	1,244,749	1,244.75	<b>1,225.06</b>	181.98	16.95	16.11	<b>19,735.7</b>	<b>222,936</b>	5,568.0
21' 4	14' 2	65.45%	330,118	7,860	1,249,632	1,249.63	<b>1,229.87</b>	181.98	16.95	16.15	<b>19,862.4</b>	<b>223,812</b>	5,568.0
21' 5	14' 1	65.70%	331,408	7,891	1,254,515	1,254.51	<b>1,234.67</b>	181.98	16.95	16.19	<b>19,989.3</b>	<b>224,685</b>	5,568.0
21' 6	14' 0	65.96%	332,698	7,921	1,259,398	1,259.40	<b>1,239.48</b>	181.98	16.95	16.23	<b>20,116.8</b>	<b>225,561</b>	5,568.0
21' 7	13' 11	66.21%	333,988	7,952	1,264,281	1,264.28	<b>1,244.29</b>	181.98	16.95	16.27	<b>20,244.6</b>	<b>226,436</b>	5,568.0
21' 8	13' 10	66.47%	335,278	7,983	1,269,164	1,269.16	<b>1,249.09</b>	181.98	16.95	16.32	<b>20,385.1</b>	<b>227,309</b>	5,568.0
21' 9	13' 9	66.72%	336,568	8,014	1,274,047	1,274.05	<b>1,253.90</b>	181.98	16.95	16.36	<b>20,513.8</b>	<b>228,185</b>	5,568.0
21' 10	13' 8	66.98%	337,858	8,044	1,278,931	1,278.93	<b>1,258.70</b>	181.98	16.95	16.40	<b>20,642.7</b>	<b>229,058</b>	5,568.0
21' 11	13' 7	67.24%	339,148	8,075	1,283,813	1,283.81	<b>1,263.51</b>	181.98	16.95	16.44	<b>20,772.1</b>	<b>229,934</b>	5,568.0
22' 0	13' 6	67.49%	340,438	8,106	1,288,697	1,288.70	<b>1,268.32</b>	181.98	16.95	16.48	<b>20,901.9</b>	<b>230,809</b>	5,568.0

Tank		Oil #3 PORT												
Specific Gravity		1												
Trim		0												
Capacity		12,010 BBL												
Label(s)		Oil#3.p												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
22' 1	13' 5	67.75%	341,728	8,136	1,293,579	1,293.58	<b>1,273.12</b>	181.98	16.95	16.52	<b>21,031.9</b>	<b>231,682</b>	5,568.0	
22' 2	13' 4	68.00%	343,018	8,167	1,298,462	1,298.46	<b>1,277.93</b>	181.98	16.95	16.57	<b>21,175.3</b>	<b>232,558</b>	5,568.0	
22' 3	13' 3	68.26%	344,307	8,198	1,303,345	1,303.35	<b>1,282.73</b>	181.98	16.95	16.61	<b>21,306.1</b>	<b>233,431</b>	5,568.0	
22' 4	13' 2	68.51%	345,597	8,229	1,308,228	1,308.23	<b>1,287.54</b>	181.98	16.95	16.65	<b>21,437.5</b>	<b>234,307</b>	5,568.0	
22' 5	13' 1	68.77%	346,887	8,259	1,313,111	1,313.11	<b>1,292.34</b>	181.98	16.95	16.69	<b>21,569.2</b>	<b>235,180</b>	5,568.0	
22' 6	13' 0	69.03%	348,177	8,290	1,317,994	1,317.99	<b>1,297.15</b>	181.98	16.95	16.73	<b>21,701.3</b>	<b>236,055</b>	5,568.0	
22' 7	12' 11	69.28%	349,467	8,321	1,322,878	1,322.88	<b>1,301.95</b>	181.98	16.95	16.77	<b>21,833.7</b>	<b>236,929</b>	5,568.0	
22' 8	12' 10	69.54%	350,757	8,351	1,327,760	1,327.76	<b>1,306.76</b>	181.98	16.95	16.82	<b>21,979.7</b>	<b>237,804</b>	5,568.0	
22' 9	12' 9	69.79%	352,047	8,382	1,332,644	1,332.64	<b>1,311.57</b>	181.98	16.95	16.86	<b>22,113.1</b>	<b>238,680</b>	5,568.0	
22' 10	12' 8	70.05%	353,337	8,413	1,337,527	1,337.53	<b>1,316.37</b>	181.98	16.95	16.90	<b>22,246.7</b>	<b>239,553</b>	5,568.0	
22' 11	12' 7	70.30%	354,627	8,444	1,342,410	1,342.41	<b>1,321.18</b>	181.98	16.95	16.94	<b>22,380.8</b>	<b>240,428</b>	5,568.0	
23' 0	12' 6	70.56%	355,917	8,474	1,347,293	1,347.29	<b>1,325.98</b>	181.98	16.95	16.98	<b>22,515.1</b>	<b>241,302</b>	5,568.0	
23' 1	12' 5	70.82%	357,207	8,505	1,352,176	1,352.18	<b>1,330.79</b>	181.98	16.95	17.02	<b>22,650.0</b>	<b>242,177</b>	5,568.0	
23' 2	12' 4	71.07%	358,497	8,536	1,357,059	1,357.06	<b>1,335.60</b>	181.98	16.96	17.07	<b>22,798.7</b>	<b>243,052</b>	5,568.0	
23' 3	12' 3	71.33%	359,787	8,566	1,361,942	1,361.94	<b>1,340.40</b>	181.98	16.96	17.11	<b>22,934.2</b>	<b>243,926</b>	5,568.0	
23' 4	12' 2	71.58%	361,077	8,597	1,366,825	1,366.82	<b>1,345.21</b>	181.98	16.96	17.15	<b>23,070.4</b>	<b>244,801</b>	5,568.0	
23' 5	12' 1	71.84%	362,367	8,628	1,371,708	1,371.71	<b>1,350.01</b>	181.98	16.96	17.19	<b>23,206.7</b>	<b>245,675</b>	5,568.0	
23' 6	12' 0	72.09%	363,657	8,658	1,376,591	1,376.59	<b>1,354.82</b>	181.98	16.96	17.23	<b>23,343.5</b>	<b>246,550</b>	5,568.0	
23' 7	11' 11	72.35%	364,947	8,689	1,381,474	1,381.47	<b>1,359.63</b>	181.98	16.96	17.27	<b>23,480.8</b>	<b>247,425</b>	5,568.0	
23' 8	11' 10	72.61%	366,237	8,720	1,386,357	1,386.36	<b>1,364.43</b>	181.98	16.96	17.32	<b>23,631.9</b>	<b>248,299</b>	5,568.0	
23' 9	11' 9	72.86%	367,527	8,751	1,391,240	1,391.24	<b>1,369.24</b>	181.98	16.96	17.36	<b>23,770.0</b>	<b>249,174</b>	5,568.0	
23' 10	11' 8	73.12%	368,817	8,781	1,396,123	1,396.12	<b>1,374.04</b>	181.98	16.96	17.40	<b>23,908.3</b>	<b>250,048</b>	5,568.0	
23' 11	11' 7	73.37%	370,107	8,812	1,401,006	1,401.01	<b>1,378.85</b>	181.98	16.96	17.44	<b>24,047.1</b>	<b>250,923</b>	5,568.0	
24' 0	11' 6	73.63%	371,397	8,843	1,405,889	1,405.89	<b>1,383.65</b>	181.98	16.96	17.48	<b>24,186.2</b>	<b>251,797</b>	5,568.0	
24' 1	11' 5	73.88%	372,686	8,873	1,410,771	1,410.77	<b>1,388.46</b>	181.98	16.96	17.52	<b>24,325.8</b>	<b>252,672</b>	5,568.0	
24' 2	11' 4	74.14%	373,977	8,904	1,415,655	1,415.66	<b>1,393.27</b>	181.98	16.96	17.57	<b>24,479.8</b>	<b>253,547</b>	5,568.0	
24' 3	11' 3	74.40%	375,266	8,935	1,420,538	1,420.54	<b>1,398.07</b>	181.98	16.96	17.61	<b>24,620.0</b>	<b>254,421</b>	5,568.0	
24' 4	11' 2	74.65%	376,556	8,966	1,425,421	1,425.42	<b>1,402.88</b>	181.98	16.96	17.65	<b>24,760.8</b>	<b>255,296</b>	5,568.0	
24' 5	11' 1	74.91%	377,846	8,996	1,430,304	1,430.30	<b>1,407.68</b>	181.98	16.96	17.69	<b>24,901.9</b>	<b>256,170</b>	5,568.0	
24' 6	11' 0	75.16%	379,136	9,027	1,435,187	1,435.19	<b>1,412.49</b>	181.98	16.96	17.73	<b>25,043.4</b>	<b>257,045</b>	5,568.0	
24' 7	10' 11	75.42%	380,426	9,058	1,440,070	1,440.07	<b>1,417.30</b>	181.98	16.96	17.77	<b>25,185.4</b>	<b>257,920</b>	5,568.0	
24' 8	10' 10	75.67%	381,716	9,088	1,444,953	1,444.95	<b>1,422.10</b>	181.98	16.96	17.82	<b>25,341.8</b>	<b>258,794</b>	5,568.0	
24' 9	10' 9	75.93%	383,006	9,119	1,449,836	1,449.84	<b>1,426.91</b>	181.98	16.96	17.86	<b>25,484.6</b>	<b>259,669</b>	5,568.0	

Tank		Oil #3 PORT											
Specific Gravity		1											
Trim		0											
Capacity		12,010 BBL											
Label(s)		Oil#3.p											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
24' 10	10' 8	76.19%	384,296	9,150	1,454,719	1,454.72	<b>1,431.71</b>	181.98	16.96	17.90	<b>25,627.6</b>	<b>260,543</b>	5,568.0
24' 11	10' 7	76.44%	385,586	9,181	1,459,602	1,459.60	<b>1,436.52</b>	181.98	16.96	17.94	<b>25,771.2</b>	<b>261,418</b>	5,568.0
25' 0	10' 6	76.70%	386,876	9,211	1,464,485	1,464.49	<b>1,441.32</b>	181.98	16.96	17.98	<b>25,914.9</b>	<b>262,291</b>	5,568.0
25' 1	10' 5	76.95%	388,166	9,242	1,469,368	1,469.37	<b>1,446.13</b>	181.98	16.96	18.02	<b>26,059.3</b>	<b>263,167</b>	5,568.0
25' 2	10' 4	77.21%	389,456	9,273	1,474,251	1,474.25	<b>1,450.93</b>	181.98	16.96	18.07	<b>26,218.3</b>	<b>264,040</b>	5,568.0
25' 3	10' 3	77.47%	390,746	9,303	1,479,134	1,479.13	<b>1,455.74</b>	181.98	16.96	18.11	<b>26,363.5</b>	<b>264,916</b>	5,568.0
25' 4	10' 2	77.72%	392,036	9,334	1,484,017	1,484.02	<b>1,460.55</b>	181.98	16.96	18.15	<b>26,509.0</b>	<b>265,791</b>	5,568.0
25' 5	10' 1	77.98%	393,326	9,365	1,488,900	1,488.90	<b>1,465.35</b>	181.98	16.96	18.19	<b>26,654.7</b>	<b>266,664</b>	5,568.0
25' 6	10' 0	78.23%	394,616	9,396	1,493,783	1,493.78	<b>1,470.16</b>	181.98	16.96	18.23	<b>26,801.0</b>	<b>267,540</b>	5,568.0
25' 7	9' 11	78.49%	395,906	9,426	1,498,666	1,498.67	<b>1,474.96</b>	181.98	16.96	18.27	<b>26,947.5</b>	<b>268,413</b>	5,568.0
25' 8	9' 10	78.74%	397,196	9,457	1,503,549	1,503.55	<b>1,479.77</b>	181.98	16.96	18.32	<b>27,109.4</b>	<b>269,289</b>	5,568.0
25' 9	9' 9	79.00%	398,486	9,488	1,508,432	1,508.43	<b>1,484.58</b>	181.98	16.96	18.36	<b>27,256.9</b>	<b>270,164</b>	5,568.0
25' 10	9' 8	79.26%	399,776	9,518	1,513,316	1,513.32	<b>1,489.38</b>	181.98	16.96	18.40	<b>27,404.6</b>	<b>271,037</b>	5,568.0
25' 11	9' 7	79.51%	401,066	9,549	1,518,198	1,518.20	<b>1,494.19</b>	181.98	16.96	18.44	<b>27,552.9</b>	<b>271,913</b>	5,568.0
26' 0	9' 6	79.77%	402,356	9,580	1,523,082	1,523.08	<b>1,498.99</b>	181.98	16.96	18.48	<b>27,701.3</b>	<b>272,786</b>	5,568.0
26' 1	9' 5	80.02%	403,646	9,611	1,527,964	1,527.96	<b>1,503.80</b>	181.98	16.96	18.52	<b>27,850.4</b>	<b>273,662</b>	5,568.0
26' 2	9' 4	80.28%	404,936	9,641	1,532,848	1,532.85	<b>1,508.61</b>	181.98	16.96	18.57	<b>28,014.9</b>	<b>274,537</b>	5,568.0
26' 3	9' 3	80.53%	406,225	9,672	1,537,730	1,537.73	<b>1,513.41</b>	181.98	16.96	18.61	<b>28,164.6</b>	<b>275,410</b>	5,568.0
26' 4	9' 2	80.79%	407,515	9,703	1,542,613	1,542.61	<b>1,518.22</b>	181.98	16.96	18.65	<b>28,314.8</b>	<b>276,286</b>	5,568.0
26' 5	9' 1	81.05%	408,805	9,733	1,547,496	1,547.50	<b>1,523.02</b>	181.98	16.96	18.69	<b>28,465.2</b>	<b>277,159</b>	5,568.0
26' 6	9' 0	81.30%	410,095	9,764	1,552,380	1,552.38	<b>1,527.83</b>	181.98	16.96	18.73	<b>28,616.3</b>	<b>278,035</b>	5,568.0
26' 7	8' 11	81.56%	411,385	9,795	1,557,262	1,557.26	<b>1,532.63</b>	181.98	16.96	18.77	<b>28,767.5</b>	<b>278,908</b>	5,568.0
26' 8	8' 10	81.81%	412,675	9,826	1,562,146	1,562.15	<b>1,537.44</b>	181.98	16.96	18.82	<b>28,934.6</b>	<b>279,783</b>	5,568.0
26' 9	8' 9	82.07%	413,965	9,856	1,567,029	1,567.03	<b>1,542.24</b>	181.98	16.96	18.86	<b>29,086.6</b>	<b>280,657</b>	5,568.0
26' 10	8' 8	82.32%	415,255	9,887	1,571,912	1,571.91	<b>1,547.05</b>	181.98	16.96	18.90	<b>29,239.2</b>	<b>281,532</b>	5,568.0
26' 11	8' 7	82.58%	416,545	9,918	1,576,795	1,576.79	<b>1,551.86</b>	181.98	16.96	18.94	<b>29,392.2</b>	<b>282,407</b>	5,568.0
27' 0	8' 6	82.84%	417,835	9,948	1,581,678	1,581.68	<b>1,556.66</b>	181.98	16.96	18.98	<b>29,545.4</b>	<b>283,281</b>	5,568.0
27' 1	8' 5	83.09%	419,125	9,979	1,586,561	1,586.56	<b>1,561.47</b>	181.98	16.96	19.02	<b>29,699.2</b>	<b>284,156</b>	5,568.0
27' 2	8' 4	83.35%	420,415	10,010	1,591,444	1,591.44	<b>1,566.27</b>	181.98	16.96	19.07	<b>29,868.8</b>	<b>285,030</b>	5,568.0
27' 3	8' 3	83.60%	421,705	10,041	1,596,327	1,596.33	<b>1,571.08</b>	181.98	16.96	19.11	<b>30,023.3</b>	<b>285,905</b>	5,568.0
27' 4	8' 2	83.86%	422,995	10,071	1,601,210	1,601.21	<b>1,575.89</b>	181.98	16.97	19.15	<b>30,178.3</b>	<b>286,780</b>	5,568.0
27' 5	8' 1	84.11%	424,285	10,102	1,606,093	1,606.09	<b>1,580.69</b>	181.98	16.97	19.19	<b>30,333.4</b>	<b>287,654</b>	5,568.0
27' 6	8' 0	84.37%	425,575	10,133	1,610,976	1,610.98	<b>1,585.50</b>	181.98	16.97	19.23	<b>30,489.2</b>	<b>288,529</b>	5,568.0

Tank		Oil #3 PORT											
Specific Gravity		1											
Trim		0											
Capacity		12,010 BBL											
Label(s)		Oil#3.p											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
27' 7	7' 11	84.63%	426,865	10,163	1,615,859	1,615.86	<b>1,590.30</b>	181.98	16.97	19.27	<b>30,645.1</b>	<b>289,403</b>	5,568.0
27' 8	7' 10	84.88%	428,155	10,194	1,620,742	1,620.74	<b>1,595.11</b>	181.98	16.97	19.32	<b>30,817.5</b>	<b>290,278</b>	5,568.0
27' 9	7' 9	85.14%	429,445	10,225	1,625,625	1,625.62	<b>1,599.92</b>	181.98	16.97	19.36	<b>30,974.5</b>	<b>291,153</b>	5,568.0
27' 10	7' 8	85.39%	430,735	10,256	1,630,508	1,630.51	<b>1,604.72</b>	181.98	16.97	19.40	<b>31,131.6</b>	<b>292,027</b>	5,568.0
27' 11	7' 7	85.65%	432,025	10,286	1,635,391	1,635.39	<b>1,609.53</b>	181.98	16.97	19.44	<b>31,289.3</b>	<b>292,902</b>	5,568.0
28' 0	7' 6	85.90%	433,315	10,317	1,640,274	1,640.27	<b>1,614.33</b>	181.98	16.97	19.48	<b>31,447.1</b>	<b>293,776</b>	5,568.0
28' 1	7' 5	86.16%	434,605	10,348	1,645,157	1,645.16	<b>1,619.14</b>	181.98	16.97	19.52	<b>31,605.6</b>	<b>294,651</b>	5,568.0
28' 2	7' 4	86.42%	435,894	10,378	1,650,040	1,650.04	<b>1,623.94</b>	181.98	16.97	19.57	<b>31,780.5</b>	<b>295,525</b>	5,568.0
28' 3	7' 3	86.67%	437,184	10,409	1,654,923	1,654.92	<b>1,628.75</b>	181.98	16.97	19.61	<b>31,939.8</b>	<b>296,400</b>	5,568.0
28' 4	7' 2	86.93%	438,474	10,440	1,659,806	1,659.81	<b>1,633.56</b>	181.98	16.97	19.65	<b>32,099.5</b>	<b>297,275</b>	5,568.0
28' 5	7' 1	87.18%	439,764	10,471	1,664,689	1,664.69	<b>1,638.36</b>	181.98	16.97	19.69	<b>32,259.3</b>	<b>298,149</b>	5,568.0
28' 6	7' 0	87.44%	441,054	10,501	1,669,572	1,669.57	<b>1,643.17</b>	181.98	16.97	19.73	<b>32,419.7</b>	<b>299,024</b>	5,568.0
28' 7	6' 11	87.69%	442,344	10,532	1,674,455	1,674.45	<b>1,647.97</b>	181.98	16.97	19.77	<b>32,580.4</b>	<b>299,898</b>	5,568.0
28' 8	6' 10	87.95%	443,634	10,563	1,679,338	1,679.34	<b>1,652.78</b>	181.98	16.97	19.82	<b>32,758.1</b>	<b>300,773</b>	5,568.0
28' 9	6' 9	88.21%	444,924	10,593	1,684,221	1,684.22	<b>1,657.58</b>	181.98	16.97	19.86	<b>32,919.5</b>	<b>301,646</b>	5,568.0
28' 10	6' 8	88.46%	446,214	10,624	1,689,104	1,689.10	<b>1,662.39</b>	181.98	16.97	19.90	<b>33,081.6</b>	<b>302,522</b>	5,568.0
28' 11	6' 7	88.72%	447,504	10,655	1,693,987	1,693.99	<b>1,667.20</b>	181.98	16.97	19.94	<b>33,244.0</b>	<b>303,397</b>	5,568.0
29' 0	6' 6	88.97%	448,794	10,686	1,698,870	1,698.87	<b>1,672.0</b>	181.98	16.97	19.98	<b>33,406.6</b>	<b>304,271</b>	5,568.0
29' 1	6' 5	89.23%	450,084	10,716	1,703,753	1,703.75	<b>1,676.81</b>	181.98	16.97	20.02	<b>33,569.7</b>	<b>305,146</b>	5,568.0
29' 2	6' 4	89.48%	451,374	10,747	1,708,636	1,708.64	<b>1,681.61</b>	181.98	16.97	20.07	<b>33,749.9</b>	<b>306,019</b>	5,568.0
29' 3	6' 3	89.74%	452,664	10,778	1,713,519	1,713.52	<b>1,686.42</b>	181.98	16.97	20.11	<b>33,913.9</b>	<b>306,895</b>	5,568.0
29' 4	6' 2	90.00%	453,954	10,808	1,718,402	1,718.40	<b>1,691.22</b>	181.98	16.97	20.15	<b>34,078.1</b>	<b>307,768</b>	5,568.0
29' 5	6' 1	90.25%	455,244	10,839	1,723,285	1,723.29	<b>1,696.03</b>	181.98	16.97	20.19	<b>34,242.8</b>	<b>308,644</b>	5,568.0
29' 6	6' 0	90.51%	456,534	10,870	1,728,168	1,728.17	<b>1,700.84</b>	181.98	16.97	20.23	<b>34,408.0</b>	<b>309,519</b>	5,568.0
29' 7	5' 11	90.76%	457,824	10,901	1,733,051	1,733.05	<b>1,705.64</b>	181.98	16.97	20.27	<b>34,573.3</b>	<b>310,392</b>	5,568.0
29' 8	5' 10	91.02%	459,114	10,931	1,737,935	1,737.93	<b>1,710.45</b>	181.98	16.97	20.32	<b>34,756.3</b>	<b>311,268</b>	5,568.0
29' 9	5' 9	91.27%	460,404	10,962	1,742,817	1,742.82	<b>1,715.25</b>	181.98	16.97	20.36	<b>34,922.5</b>	<b>312,141</b>	5,568.0
29' 10	5' 8	91.53%	461,694	10,993	1,747,701	1,747.70	<b>1,720.06</b>	181.98	16.97	20.40	<b>35,089.2</b>	<b>313,017</b>	5,568.0
29' 11	5' 7	91.79%	462,984	11,023	1,752,584	1,752.58	<b>1,724.87</b>	181.98	16.97	20.44	<b>35,256.3</b>	<b>313,892</b>	5,568.0
30' 0	5' 6	92.04%	464,274	11,054	1,757,466	1,757.47	<b>1,729.67</b>	181.98	16.97	20.48	<b>35,423.6</b>	<b>314,765</b>	5,568.0
30' 1	5' 5	92.30%	465,564	11,085	1,762,350	1,762.35	<b>1,734.48</b>	181.98	16.97	20.52	<b>35,591.5</b>	<b>315,641</b>	5,568.0
30' 2	5' 4	92.55%	466,854	11,116	1,767,233	1,767.23	<b>1,739.28</b>	181.98	16.97	20.57	<b>35,777.0</b>	<b>316,514</b>	5,568.0
30' 3	5' 3	92.81%	468,144	11,146	1,772,116	1,772.12	<b>1,744.09</b>	181.98	16.97	20.61	<b>35,945.7</b>	<b>317,389</b>	5,568.0

Tank		Oil #3 PORT											
Specific Gravity		1											
Trim		0											
Capacity		12,010 BBL											
Label(s)		Oil#3.p											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
30' 4	5' 2	93.06%	469,433	11,177	1,776,998	1,777.0	<b>1,748.89</b>	181.98	16.97	20.65	<b>36,114.6</b>	<b>318,263</b>	5,568.0
30' 5	5' 1	93.32%	470,723	11,208	1,781,882	1,781.88	<b>1,753.70</b>	181.98	16.97	20.69	<b>36,284.1</b>	<b>319,138</b>	5,568.0
30' 6	5' 0	93.58%	472,013	11,238	1,786,765	1,786.77	<b>1,758.51</b>	181.98	16.97	20.73	<b>36,453.9</b>	<b>320,014</b>	5,568.0
30' 7	4' 11	93.83%	473,303	11,269	1,791,648	1,791.65	<b>1,763.31</b>	181.98	16.97	20.77	<b>36,623.9</b>	<b>320,887</b>	5,568.0
30' 8	4' 10	94.09%	474,593	11,300	1,796,531	1,796.53	<b>1,768.12</b>	181.98	16.97	20.82	<b>36,812.3</b>	<b>321,762</b>	5,568.0
30' 9	4' 9	94.34%	475,883	11,331	1,801,414	1,801.41	<b>1,772.92</b>	181.98	16.97	20.86	<b>36,983.1</b>	<b>322,636</b>	5,568.0
30' 10	4' 8	94.60%	477,173	11,361	1,806,297	1,806.30	<b>1,777.73</b>	181.98	16.97	20.90	<b>37,154.6</b>	<b>323,511</b>	5,568.0
30' 11	4' 7	94.85%	478,463	11,392	1,811,180	1,811.18	<b>1,782.54</b>	181.98	16.97	20.94	<b>37,326.4</b>	<b>324,387</b>	5,568.0
31' 0	4' 6	95.11%	479,753	11,423	1,816,063	1,816.06	<b>1,787.34</b>	181.98	16.97	20.98	<b>37,498.4</b>	<b>325,260</b>	5,568.0
31' 1	4' 5	95.37%	481,043	11,453	1,820,946	1,820.95	<b>1,792.15</b>	181.98	16.97	21.02	<b>37,671.0</b>	<b>326,135</b>	5,568.0
31' 2	4' 4	95.62%	482,333	11,484	1,825,829	1,825.83	<b>1,796.95</b>	181.98	16.97	21.07	<b>37,861.7</b>	<b>327,009</b>	5,568.0
31' 3	4' 3	95.88%	483,623	11,515	1,830,712	1,830.71	<b>1,801.76</b>	181.98	16.97	21.11	<b>38,035.2</b>	<b>327,884</b>	5,568.0
31' 4	4' 2	96.13%	484,913	11,546	1,835,595	1,835.60	<b>1,806.56</b>	181.98	16.97	21.15	<b>38,208.7</b>	<b>328,758</b>	5,568.0
31' 5	4' 1	96.39%	486,203	11,576	1,840,478	1,840.48	<b>1,811.37</b>	181.98	16.97	21.19	<b>38,382.9</b>	<b>329,633</b>	5,568.0
31' 6	4' 0	96.65%	487,493	11,607	1,845,361	1,845.36	<b>1,816.18</b>	181.98	16.97	21.23	<b>38,557.5</b>	<b>330,508</b>	5,568.0
31' 7	3' 11	96.90%	488,783	11,638	1,850,244	1,850.24	<b>1,820.98</b>	181.98	16.97	21.27	<b>38,732.2</b>	<b>331,382</b>	5,568.0
31' 8	3' 10	97.16%	490,073	11,668	1,855,127	1,855.13	<b>1,825.79</b>	181.98	16.97	21.32	<b>38,925.8</b>	<b>332,257</b>	5,568.0
31' 9	3' 9	97.41%	491,363	11,699	1,860,010	1,860.01	<b>1,830.59</b>	181.98	16.97	21.36	<b>39,101.4</b>	<b>333,131</b>	5,568.0
31' 10	3' 8	97.67%	492,653	11,730	1,864,893	1,864.89	<b>1,835.40</b>	181.98	16.97	21.40	<b>39,277.6</b>	<b>334,006</b>	5,568.0
31' 11	3' 7	97.92%	493,943	11,761	1,869,776	1,869.78	<b>1,840.20</b>	181.98	16.97	21.44	<b>39,453.9</b>	<b>334,880</b>	5,568.0
32' 0	3' 6	98.18%	495,233	11,791	1,874,659	1,874.66	<b>1,845.01</b>	181.98	16.97	21.48	<b>39,630.8</b>	<b>335,755</b>	5,568.0
32' 1	3' 5	98.44%	496,523	11,822	1,879,542	1,879.54	<b>1,849.82</b>	181.98	16.97	21.52	<b>39,808.1</b>	<b>336,630</b>	5,568.0
32' 2	3' 4	98.69%	497,798	11,852	1,884,371	1,884.37	<b>1,854.57</b>	181.98	16.97	21.57	<b>40,003.1</b>	<b>337,495</b>	4,870.5
32' 3	3' 3	98.92%	498,977	11,880	1,888,832	1,888.83	<b>1,858.96</b>	181.98	16.97	21.60	<b>40,153.5</b>	<b>338,294</b>	3,672.6
32' 4	3' 2	99.13%	500,044	11,906	1,892,872	1,892.87	<b>1,862.93</b>	181.98	16.96	21.64	<b>40,313.8</b>	<b>339,016</b>	2,688.5
32' 5	3' 1	99.32%	501,001	11,929	1,896,494	1,896.49	<b>1,866.50</b>	181.98	16.96	21.67	<b>40,447.1</b>	<b>339,666</b>	1,899.5
32' 6	3' 0	99.49%	501,847	11,949	1,899,697	1,899.70	<b>1,869.65</b>	181.98	16.95	21.70	<b>40,571.4</b>	<b>340,239</b>	1,281.6
32' 7	2' 11	99.64%	502,582	11,966	1,902,479	1,902.48	<b>1,872.39</b>	181.98	16.93	21.72	<b>40,668.3</b>	<b>340,738</b>	815.0
32' 8	2' 10	99.76%	503,206	11,981	1,904,843	1,904.84	<b>1,874.72</b>	181.98	16.92	21.74	<b>40,756.4</b>	<b>341,162</b>	478.3
32' 9	2' 9	99.86%	503,720	11,993	1,906,788	1,906.79	<b>1,876.63</b>	181.98	16.91	21.76	<b>40,835.5</b>	<b>341,509</b>	249.7
32' 10	2' 8	99.94%	504,123	12,003	1,908,314	1,908.31	<b>1,878.13</b>	181.98	16.90	21.77	<b>40,886.9</b>	<b>341,782</b>	109.1
32' 11	2' 7	100.00%	504,416	12,010	1,909,421	1,909.42	<b>1,879.22</b>	181.98	16.90	21.78	<b>40,929.4</b>	<b>341,980</b>	34.6

Tank		Oil #3 STBD											
Specific Gravity		1											
Trim		0											
Capacity		12,012 BBL											
Label(s)		Oil#3.s											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
0' 1	35' 5	0	2042	49	7730	8	8	182	8	5	42	1385	1938
0' 2	35' 4	0	3049	73	11542	12	11	182	10	6	63	2068	3520
0' 3	35' 3	0	4256	101	16110	16	16	182	12	6	88	2887	5568
0' 4	35' 2	0	5546	132	20993	21	21	182	13	6	116	3760	5568
0' 5	35' 1	0	6836	163	25876	26	25	182	14	6	145	4635	5568
0' 6	35' 0	0	8126	193	30759	31	30	182	14	6	173	5509	5568
0' 7	34' 11	0	9416	224	35642	36	35	182	15	6	202	6384	5568
0' 8	34' 10	0	10706	255	40525	41	40	182	15	6	232	7258	5568
0' 9	34' 9	0	11996	286	45408	45	45	182	15	6	262	8133	5568
0' 10	34' 8	0	13285	316	50291	50	50	182	15	6	292	9009	5568
0' 11	34' 7	0	14575	347	55174	55	54	182	15	6	323	9882	5568
1' 0	34' 6	0	15865	378	60057	60	59	182	16	6	354	10757	5568
1' 1	34' 5	0	17155	408	64940	65	64	182	16	6	385	11631	5568
1' 2	34' 4	0	18445	439	69823	70	69	182	16	6	417	12506	5568
1' 3	34' 3	0	19735	470	74706	75	74	182	16	6	449	13380	5568
1' 4	34' 2	0	21025	501	79589	80	78	182	16	6	483	14255	5568
1' 5	34' 1	0	22315	531	84472	84	83	182	16	6	515	15131	5568
1' 6	34' 0	0	23605	562	89355	89	88	182	16	6	549	16004	5568
1' 7	33' 11	0	24895	593	94238	94	93	182	16	6	582	16880	5568
1' 8	33' 10	0	26185	623	99121	99	98	182	16	6	617	17752	5568
1' 9	33' 9	0	27475	654	104004	104	102	182	16	6	652	18627	5568
1' 10	33' 8	0	28765	685	108887	109	107	182	16	6	687	19501	5568
1' 11	33' 7	0	30055	716	113770	114	112	182	16	6	722	20376	5568
2' 0	33' 6	0	31345	746	118653	119	117	182	16	6	758	21252	5568
2' 1	33' 5	0	32635	777	123536	124	122	182	16	7	794	22125	5568
2' 2	33' 4	0	33925	808	128419	128	126	182	16	7	832	23000	5568
2' 3	33' 3	0	35215	838	133302	133	131	182	16	7	868	23874	5568
2' 4	33' 2	0	36505	869	138185	138	136	182	16	7	906	24749	5568
2' 5	33' 1	0	37795	900	143068	143	141	182	16	7	943	25625	5568
2' 6	33' 0	0	39084	931	147951	148	146	182	16	7	981	26498	5568
2' 7	32' 11	0	40374	961	152834	153	150	182	16	7	1021	27373	5568
2' 8	32' 10	0	41664	992	157717	158	155	182	16	7	1060	28247	5568
2' 9	32' 9	0	42954	1023	162600	163	160	182	16	7	1099	29122	5568

Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
2' 10	32' 8	0	44244	1053	167483	167	165	182	16	7	1139	29996	5568
2' 11	32' 7	0	45534	1084	172366	172	170	182	17	7	1179	30871	5568
3' 0	32' 6	0	46824	1115	177249	177	174	182	17	7	1219	31746	5568
3' 1	32' 5	9.54%	48,114	1,146	182,132	182.13	179.25	181.98	16.54	7.04	1,261.9	32,620	5,568.0
3' 2	32' 4	9.79%	49,404	1,176	187,015	187.01	184.06	181.98	16.55	7.08	1,303.1	33,495	5,568.1
3' 3	32' 3	10.05%	50,694	1,207	191,898	191.90	188.86	181.98	16.56	7.12	1,344.7	34,369	5,568.0
3' 4	32' 2	10.30%	51,984	1,238	196,781	196.78	193.67	181.98	16.57	7.16	1,386.7	35,244	5,568.0
3' 5	32' 1	10.56%	53,274	1,268	201,664	201.66	198.47	181.98	16.58	7.20	1,429.0	36,118	5,568.0
3' 6	32' 0	10.82%	54,564	1,299	206,547	206.55	203.28	181.98	16.59	7.25	1,473.8	36,993	5,568.0
3' 7	31' 11	11.07%	55,854	1,330	211,430	211.43	208.09	181.98	16.60	7.29	1,517.0	37,868	5,568.0
3' 8	31' 10	11.33%	57,144	1,361	216,313	216.31	212.89	181.98	16.61	7.33	1,560.5	38,742	5,568.0
3' 9	31' 9	11.58%	58,434	1,391	221,196	221.20	217.70	181.98	16.62	7.37	1,604.4	39,617	5,568.0
3' 10	31' 8	11.84%	59,724	1,422	226,078	226.08	222.50	181.98	16.63	7.41	1,648.7	40,491	5,568.0
3' 11	31' 7	12.09%	61,014	1,453	230,962	230.96	227.31	181.98	16.64	7.45	1,693.5	41,366	5,568.0
4' 0	31' 6	12.35%	62,304	1,483	235,844	235.84	232.11	181.98	16.65	7.50	1,740.8	42,239	5,568.0
4' 1	31' 5	12.61%	63,593	1,514	240,727	240.73	236.92	181.98	16.65	7.54	1,786.4	43,115	5,568.0
4' 2	31' 4	12.86%	64,883	1,545	245,611	245.61	241.73	181.98	16.66	7.58	1,832.3	43,990	5,568.0
4' 3	31' 3	13.12%	66,173	1,576	250,493	250.49	246.53	181.98	16.67	7.62	1,878.6	44,864	5,568.0
4' 4	31' 2	13.37%	67,463	1,606	255,377	255.38	251.34	181.98	16.67	7.66	1,925.3	45,739	5,568.0
4' 5	31' 1	13.63%	68,753	1,637	260,259	260.26	256.14	181.98	16.68	7.70	1,972.3	46,612	5,568.0
4' 6	31' 0	13.88%	70,043	1,668	265,142	265.14	260.95	181.98	16.69	7.75	2,022.4	47,488	5,568.0
4' 7	30' 11	14.14%	71,333	1,698	270,025	270.03	265.75	181.98	16.69	7.79	2,070.2	48,361	5,568.0
4' 8	30' 10	14.40%	72,623	1,729	274,909	274.91	270.56	181.98	16.70	7.83	2,118.5	49,237	5,568.0
4' 9	30' 9	14.65%	73,913	1,760	279,791	279.79	275.37	181.98	16.70	7.87	2,167.2	50,112	5,568.0
4' 10	30' 8	14.91%	75,203	1,791	284,674	284.67	280.17	181.98	16.71	7.91	2,216.1	50,985	5,568.0
4' 11	30' 7	15.16%	76,493	1,821	289,558	289.56	284.98	181.98	16.72	7.95	2,265.6	51,861	5,568.0
5' 0	30' 6	15.42%	77,783	1,852	294,440	294.44	289.78	181.98	16.72	8.00	2,318.2	52,734	5,568.0
5' 1	30' 5	15.67%	79,073	1,883	299,323	299.32	294.59	181.98	16.73	8.04	2,368.5	53,609	5,568.0
5' 2	30' 4	15.93%	80,363	1,913	304,207	304.21	299.40	181.98	16.73	8.08	2,419.2	54,485	5,568.0
5' 3	30' 3	16.18%	81,653	1,944	309,089	309.09	304.20	181.98	16.73	8.12	2,470.1	55,358	5,568.0
5' 4	30' 2	16.44%	82,943	1,975	313,973	313.97	309.01	181.98	16.74	8.16	2,521.5	56,234	5,568.0
5' 5	30' 1	16.70%	84,233	2,006	318,855	318.86	313.81	181.98	16.74	8.20	2,573.2	57,107	5,568.0
5' 6	30' 0	16.95%	85,523	2,036	323,738	323.74	318.62	181.98	16.75	8.25	2,628.6	57,982	5,568.0



Tank		Oil #3 STBD											
Specific Gravity		1											
Trim		0											
Capacity		12,012 BBL											
Label(s)		Oil#3.s											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
5' 7	29' 11	17.21%	86,813	2,067	328,622	328.62	<b>323.42</b>	181.98	16.75	8.29	<b>2,681.2</b>	<b>58,856</b>	5,568.0
5' 8	29' 10	17.46%	88,103	2,098	333,505	333.50	<b>328.23</b>	181.98	16.76	8.33	<b>2,734.2</b>	<b>59,731</b>	5,568.0
5' 9	29' 9	17.72%	89,393	2,128	338,387	338.39	<b>333.04</b>	181.98	16.76	8.37	<b>2,787.5</b>	<b>60,607</b>	5,568.0
5' 10	29' 8	17.97%	90,682	2,159	343,271	343.27	<b>337.84</b>	181.98	16.76	8.41	<b>2,841.2</b>	<b>61,480</b>	5,568.0
5' 11	29' 7	18.23%	91,972	2,190	348,153	348.15	<b>342.65</b>	181.98	16.77	8.45	<b>2,895.4</b>	<b>62,355</b>	5,568.0
6' 0	29' 6	18.49%	93,262	2,221	353,037	353.04	<b>347.45</b>	181.98	16.77	8.50	<b>2,953.3</b>	<b>63,229</b>	5,568.0
6' 1	29' 5	18.74%	94,552	2,251	357,919	357.92	<b>352.26</b>	181.98	16.77	8.54	<b>3,008.3</b>	<b>64,104</b>	5,568.0
6' 2	29' 4	19.00%	95,842	2,282	362,802	362.80	<b>357.06</b>	181.98	16.78	8.58	<b>3,063.6</b>	<b>64,978</b>	5,568.0
6' 3	29' 3	19.25%	97,132	2,313	367,685	367.69	<b>361.87</b>	181.98	16.78	8.62	<b>3,119.3</b>	<b>65,853</b>	5,568.0
6' 4	29' 2	19.51%	98,422	2,343	372,569	372.57	<b>366.68</b>	181.98	16.78	8.66	<b>3,175.4</b>	<b>66,728</b>	5,568.0
6' 5	29' 1	19.76%	99,712	2,374	377,451	377.45	<b>371.48</b>	181.98	16.79	8.71	<b>3,235.6</b>	<b>67,602</b>	5,568.0
6' 6	29' 0	20.02%	101,002	2,405	382,335	382.33	<b>376.29</b>	181.98	16.79	8.75	<b>3,292.5</b>	<b>68,477</b>	5,568.0
6' 7	28' 11	20.28%	102,292	2,436	387,217	387.22	<b>381.09</b>	181.98	16.79	8.79	<b>3,349.8</b>	<b>69,351</b>	5,568.0
6' 8	28' 10	20.53%	103,582	2,466	392,101	392.10	<b>385.90</b>	181.98	16.80	8.83	<b>3,407.5</b>	<b>70,226</b>	5,568.0
6' 9	28' 9	20.79%	104,872	2,497	396,983	396.98	<b>390.70</b>	181.98	16.80	8.87	<b>3,465.5</b>	<b>71,100</b>	5,568.0
6' 10	28' 8	21.04%	106,162	2,528	401,867	401.87	<b>395.51</b>	181.98	16.80	8.91	<b>3,524.0</b>	<b>71,975</b>	5,568.0
6' 11	28' 7	21.30%	107,452	2,558	406,750	406.75	<b>400.32</b>	181.98	16.80	8.96	<b>3,586.9</b>	<b>72,850</b>	5,568.0
7' 0	28' 6	21.55%	108,742	2,589	411,632	411.63	<b>405.12</b>	181.98	16.81	9.00	<b>3,646.1</b>	<b>73,724</b>	5,568.0
7' 1	28' 5	21.81%	110,032	2,620	416,515	416.52	<b>409.93</b>	181.98	16.81	9.04	<b>3,705.8</b>	<b>74,599</b>	5,568.0
7' 2	28' 4	22.07%	111,322	2,651	421,398	421.40	<b>414.73</b>	181.98	16.81	9.08	<b>3,765.7</b>	<b>75,473</b>	5,568.0
7' 3	28' 3	22.32%	112,612	2,681	426,281	426.28	<b>419.54</b>	181.98	16.81	9.12	<b>3,826.2</b>	<b>76,348</b>	5,568.0
7' 4	28' 2	22.58%	113,902	2,712	431,164	431.16	<b>424.35</b>	181.98	16.82	9.16	<b>3,887.0</b>	<b>77,223</b>	5,568.0
7' 5	28' 1	22.83%	115,192	2,743	436,048	436.05	<b>429.15</b>	181.98	16.82	9.21	<b>3,952.5</b>	<b>78,097</b>	5,568.0
7' 6	28' 0	23.09%	116,482	2,773	440,930	440.93	<b>433.96</b>	181.98	16.82	9.25	<b>4,014.1</b>	<b>78,972</b>	5,568.0
7' 7	27' 11	23.34%	117,772	2,804	445,814	445.81	<b>438.76</b>	181.98	16.82	9.29	<b>4,076.1</b>	<b>79,846</b>	5,568.0
7' 8	27' 10	23.60%	119,061	2,835	450,696	450.70	<b>443.57</b>	181.98	16.82	9.33	<b>4,138.5</b>	<b>80,721</b>	5,568.0
7' 9	27' 9	23.86%	120,351	2,866	455,580	455.58	<b>448.37</b>	181.98	16.83	9.37	<b>4,201.2</b>	<b>81,594</b>	5,568.0
7' 10	27' 8	24.11%	121,641	2,896	460,462	460.46	<b>453.18</b>	181.98	16.83	9.41	<b>4,264.4</b>	<b>82,470</b>	5,568.0
7' 11	27' 7	24.37%	122,931	2,927	465,346	465.35	<b>457.99</b>	181.98	16.83	9.46	<b>4,332.6</b>	<b>83,345</b>	5,568.0
8' 0	27' 6	24.62%	124,221	2,958	470,228	470.23	<b>462.79</b>	181.98	16.83	9.50	<b>4,396.5</b>	<b>84,219</b>	5,568.0
8' 1	27' 5	24.88%	125,511	2,988	475,112	475.11	<b>467.60</b>	181.98	16.83	9.54	<b>4,460.9</b>	<b>85,094</b>	5,568.0
8' 2	27' 4	25.13%	126,801	3,019	479,994	479.99	<b>472.40</b>	181.98	16.84	9.58	<b>4,525.6</b>	<b>85,967</b>	5,568.0
8' 3	27' 3	25.39%	128,091	3,050	484,877	484.88	<b>477.21</b>	181.98	16.84	9.62	<b>4,590.8</b>	<b>86,843</b>	5,568.0

Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
8' 4	27' 2	25.65%	129,381	3,081	489,760	489.76	<b>482.01</b>	181.98	16.84	9.66	<b>4,656.2</b>	<b>87,716</b>	5,568.0
8' 5	27' 1	25.90%	130,671	3,111	494,643	494.64	<b>486.82</b>	181.98	16.84	9.71	<b>4,727.0</b>	<b>88,592</b>	5,568.0
8' 6	27' 0	26.16%	131,961	3,142	499,526	499.53	<b>491.63</b>	181.98	16.84	9.75	<b>4,793.4</b>	<b>89,467</b>	5,568.0
8' 7	26' 11	26.41%	133,251	3,173	504,409	504.41	<b>496.43</b>	181.98	16.85	9.79	<b>4,860.0</b>	<b>90,340</b>	5,568.0
8' 8	26' 10	26.67%	134,541	3,203	509,292	509.29	<b>501.24</b>	181.98	16.85	9.83	<b>4,927.2</b>	<b>91,216</b>	5,568.0
8' 9	26' 9	26.92%	135,831	3,234	514,175	514.18	<b>506.04</b>	181.98	16.85	9.87	<b>4,994.6</b>	<b>92,089</b>	5,568.0
8' 10	26' 8	27.18%	137,121	3,265	519,058	519.06	<b>510.85</b>	181.98	16.85	9.91	<b>5,062.5</b>	<b>92,964</b>	5,568.0
8' 11	26' 7	27.44%	138,411	3,295	523,941	523.94	<b>515.65</b>	181.98	16.85	9.96	<b>5,135.9</b>	<b>93,838</b>	5,568.0
9' 0	26' 6	27.69%	139,701	3,326	528,824	528.82	<b>520.46</b>	181.98	16.85	10.00	<b>5,204.6</b>	<b>94,713</b>	5,568.0
9' 1	26' 5	27.95%	140,991	3,357	533,707	533.71	<b>525.27</b>	181.98	16.85	10.04	<b>5,273.7</b>	<b>95,589</b>	5,568.0
9' 2	26' 4	28.20%	142,281	3,388	538,590	538.59	<b>530.07</b>	181.98	16.86	10.08	<b>5,343.1</b>	<b>96,462</b>	5,568.0
9' 3	26' 3	28.46%	143,570	3,418	543,473	543.47	<b>534.88</b>	181.98	16.86	10.12	<b>5,413.0</b>	<b>97,337</b>	5,568.0
9' 4	26' 2	28.71%	144,860	3,449	548,356	548.36	<b>539.68</b>	181.98	16.86	10.16	<b>5,483.1</b>	<b>98,211</b>	5,568.0
9' 5	26' 1	28.97%	146,150	3,480	553,239	553.24	<b>544.49</b>	181.98	16.86	10.21	<b>5,559.2</b>	<b>99,086</b>	5,568.0
9' 6	26' 0	29.23%	147,440	3,510	558,122	558.12	<b>549.29</b>	181.98	16.86	10.25	<b>5,630.2</b>	<b>99,960</b>	5,568.0
9' 7	25' 11	29.48%	148,730	3,541	563,005	563.01	<b>554.10</b>	181.98	16.86	10.29	<b>5,701.7</b>	<b>100,835</b>	5,568.0
9' 8	25' 10	29.74%	150,020	3,572	567,888	567.89	<b>558.91</b>	181.98	16.86	10.33	<b>5,773.5</b>	<b>101,710</b>	5,568.0
9' 9	25' 9	29.99%	151,310	3,603	572,771	572.77	<b>563.71</b>	181.98	16.87	10.37	<b>5,845.7</b>	<b>102,584</b>	5,568.0
9' 10	25' 8	30.25%	152,600	3,633	577,654	577.65	<b>568.52</b>	181.98	16.87	10.41	<b>5,918.3</b>	<b>103,459</b>	5,568.0
9' 11	25' 7	30.50%	153,890	3,664	582,537	582.54	<b>573.32</b>	181.98	16.87	10.46	<b>5,996.9</b>	<b>104,333</b>	5,568.0
10' 0	25' 6	30.76%	155,180	3,695	587,420	587.42	<b>578.13</b>	181.98	16.87	10.50	<b>6,070.4</b>	<b>105,208</b>	5,568.0
10' 1	25' 5	31.01%	156,470	3,725	592,303	592.30	<b>582.94</b>	181.98	16.87	10.54	<b>6,144.2</b>	<b>106,083</b>	5,568.0
10' 2	25' 4	31.27%	157,760	3,756	597,186	597.19	<b>587.74</b>	181.98	16.87	10.58	<b>6,218.3</b>	<b>106,957</b>	5,568.0
10' 3	25' 3	31.53%	159,050	3,787	602,069	602.07	<b>592.55</b>	181.98	16.87	10.62	<b>6,292.9</b>	<b>107,832</b>	5,568.0
10' 4	25' 2	31.78%	160,340	3,818	606,952	606.95	<b>597.35</b>	181.98	16.87	10.66	<b>6,367.8</b>	<b>108,706</b>	5,568.0
10' 5	25' 1	32.04%	161,630	3,848	611,835	611.83	<b>602.16</b>	181.98	16.88	10.71	<b>6,449.1</b>	<b>109,581</b>	5,568.0
10' 6	25' 0	32.29%	162,920	3,879	616,718	616.72	<b>606.96</b>	181.98	16.88	10.75	<b>6,524.8</b>	<b>110,455</b>	5,568.0
10' 7	24' 11	32.55%	164,210	3,910	621,601	621.60	<b>611.77</b>	181.98	16.88	10.79	<b>6,601.0</b>	<b>111,330</b>	5,568.0
10' 8	24' 10	32.80%	165,499	3,940	626,483	626.48	<b>616.58</b>	181.98	16.88	10.83	<b>6,677.6</b>	<b>112,205</b>	5,568.0
10' 9	24' 9	33.06%	166,789	3,971	631,367	631.37	<b>621.38</b>	181.98	16.88	10.87	<b>6,754.4</b>	<b>113,079</b>	5,568.0
10' 10	24' 8	33.32%	168,079	4,002	636,249	636.25	<b>626.19</b>	181.98	16.88	10.91	<b>6,831.7</b>	<b>113,954</b>	5,568.0
10' 11	24' 7	33.57%	169,369	4,033	641,133	641.13	<b>630.99</b>	181.98	16.88	10.96	<b>6,915.7</b>	<b>114,828</b>	5,568.0
11' 0	24' 6	33.83%	170,659	4,063	646,015	646.02	<b>635.80</b>	181.98	16.88	11.00	<b>6,993.8</b>	<b>115,703</b>	5,568.0

Tank		Oil #3 STBD											
Specific Gravity		1											
Trim		0											
Capacity		12,012 BBL											
Label(s)		Oil#3.s											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
11' 1	24' 5	34.08%	171,949	4,094	650,899	650.90	<b>640.60</b>	181.98	16.88	11.04	<b>7,072.2</b>	<b>116,576</b>	5,568.0
11' 2	24' 4	34.34%	173,239	4,125	655,781	655.78	<b>645.41</b>	181.98	16.89	11.08	<b>7,151.1</b>	<b>117,452</b>	5,568.0
11' 3	24' 3	34.59%	174,529	4,155	660,665	660.66	<b>650.22</b>	181.98	16.89	11.12	<b>7,230.4</b>	<b>118,327</b>	5,568.0
11' 4	24' 2	34.85%	175,819	4,186	665,547	665.55	<b>655.02</b>	181.98	16.89	11.16	<b>7,310.0</b>	<b>119,201</b>	5,568.0
11' 5	24' 1	35.11%	177,109	4,217	670,430	670.43	<b>659.83</b>	181.98	16.89	11.21	<b>7,396.7</b>	<b>120,076</b>	5,568.0
11' 6	24' 0	35.36%	178,399	4,248	675,313	675.31	<b>664.63</b>	181.98	16.89	11.25	<b>7,477.1</b>	<b>120,949</b>	5,568.0
11' 7	23' 11	35.62%	179,689	4,278	680,196	680.20	<b>669.44</b>	181.98	16.89	11.29	<b>7,558.0</b>	<b>121,825</b>	5,568.0
11' 8	23' 10	35.87%	180,979	4,309	685,079	685.08	<b>674.24</b>	181.98	16.89	11.33	<b>7,639.1</b>	<b>122,698</b>	5,568.0
11' 9	23' 9	36.13%	182,269	4,340	689,962	689.96	<b>679.05</b>	181.98	16.89	11.37	<b>7,720.8</b>	<b>123,574</b>	5,568.0
11' 10	23' 8	36.38%	183,559	4,370	694,845	694.85	<b>683.86</b>	181.98	16.89	11.41	<b>7,802.8</b>	<b>124,449</b>	5,568.0
11' 11	23' 7	36.64%	184,849	4,401	699,728	699.73	<b>688.66</b>	181.98	16.89	11.46	<b>7,892.0</b>	<b>125,322</b>	5,568.0
12' 0	23' 6	36.90%	186,139	4,432	704,611	704.61	<b>693.47</b>	181.98	16.89	11.50	<b>7,974.9</b>	<b>126,198</b>	5,568.0
12' 1	23' 5	37.15%	187,429	4,463	709,494	709.49	<b>698.27</b>	181.98	16.90	11.54	<b>8,058.0</b>	<b>127,071</b>	5,568.0
12' 2	23' 4	37.41%	188,719	4,493	714,377	714.38	<b>703.08</b>	181.98	16.90	11.58	<b>8,141.7</b>	<b>127,946</b>	5,568.0
12' 3	23' 3	37.66%	190,008	4,524	719,260	719.26	<b>707.88</b>	181.98	16.90	11.62	<b>8,225.6</b>	<b>128,820</b>	5,568.0
12' 4	23' 2	37.92%	191,298	4,555	724,143	724.14	<b>712.69</b>	181.98	16.90	11.66	<b>8,310.0</b>	<b>129,695</b>	5,568.0
12' 5	23' 1	38.17%	192,588	4,585	729,026	729.03	<b>717.50</b>	181.98	16.90	11.71	<b>8,401.9</b>	<b>130,571</b>	5,568.0
12' 6	23' 0	38.43%	193,878	4,616	733,909	733.91	<b>722.30</b>	181.98	16.90	11.75	<b>8,487.0</b>	<b>131,444</b>	5,568.0
12' 7	22' 11	38.69%	195,168	4,647	738,792	738.79	<b>727.11</b>	181.98	16.90	11.79	<b>8,572.6</b>	<b>132,319</b>	5,568.0
12' 8	22' 10	38.94%	196,458	4,678	743,675	743.67	<b>731.91</b>	181.98	16.90	11.83	<b>8,658.5</b>	<b>133,193</b>	5,568.0
12' 9	22' 9	39.20%	197,748	4,708	748,558	748.56	<b>736.72</b>	181.98	16.90	11.87	<b>8,744.9</b>	<b>134,068</b>	5,568.0
12' 10	22' 8	39.45%	199,038	4,739	753,441	753.44	<b>741.52</b>	181.98	16.90	11.91	<b>8,831.5</b>	<b>134,942</b>	5,568.0
12' 11	22' 7	39.71%	200,328	4,770	758,324	758.32	<b>746.33</b>	181.98	16.90	11.96	<b>8,926.1</b>	<b>135,817</b>	5,568.0
13' 0	22' 6	39.96%	201,618	4,800	763,206	763.21	<b>751.14</b>	181.98	16.90	12.00	<b>9,013.7</b>	<b>136,692</b>	5,568.0
13' 1	22' 5	40.22%	202,908	4,831	768,090	768.09	<b>755.94</b>	181.98	16.91	12.04	<b>9,101.5</b>	<b>137,566</b>	5,568.0
13' 2	22' 4	40.48%	204,198	4,862	772,973	772.97	<b>760.75</b>	181.98	16.91	12.08	<b>9,189.9</b>	<b>138,441</b>	5,568.0
13' 3	22' 3	40.73%	205,488	4,893	777,856	777.86	<b>765.55</b>	181.98	16.91	12.12	<b>9,278.5</b>	<b>139,315</b>	5,568.0
13' 4	22' 2	40.99%	206,778	4,923	782,738	782.74	<b>770.36</b>	181.98	16.91	12.16	<b>9,367.6</b>	<b>140,190</b>	5,568.0
13' 5	22' 1	41.24%	208,068	4,954	787,622	787.62	<b>775.16</b>	181.98	16.91	12.21	<b>9,464.7</b>	<b>141,064</b>	5,568.0
13' 6	22' 0	41.50%	209,358	4,985	792,504	792.50	<b>779.97</b>	181.98	16.91	12.25	<b>9,554.6</b>	<b>141,939</b>	5,568.0
13' 7	21' 11	41.75%	210,648	5,015	797,388	797.39	<b>784.78</b>	181.98	16.91	12.29	<b>9,644.9</b>	<b>142,814</b>	5,568.0
13' 8	21' 10	42.01%	211,938	5,046	802,271	802.27	<b>789.58</b>	181.98	16.91	12.33	<b>9,735.5</b>	<b>143,688</b>	5,568.0
13' 9	21' 9	42.27%	213,227	5,077	807,154	807.15	<b>794.39</b>	181.98	16.91	12.37	<b>9,826.6</b>	<b>144,563</b>	5,568.0

Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
13' 10	21' 8	42.52%	214,517	5,108	812,036	812.04	<b>799.19</b>	181.98	16.91	12.41	<b>9,917.9</b>	<b>145,437</b>	5,568.0
13' 11	21' 7	42.78%	215,807	5,138	816,919	816.92	<b>804.0</b>	181.98	16.91	12.46	<b>10,017.8</b>	<b>146,312</b>	5,568.0
14' 0	21' 6	43.03%	217,097	5,169	821,803	821.80	<b>808.81</b>	181.98	16.91	12.50	<b>10,110.1</b>	<b>147,187</b>	5,568.0
14' 1	21' 5	43.29%	218,387	5,200	826,685	826.69	<b>813.61</b>	181.98	16.91	12.54	<b>10,202.7</b>	<b>148,061</b>	5,568.0
14' 2	21' 4	43.54%	219,677	5,230	831,568	831.57	<b>818.42</b>	181.98	16.91	12.58	<b>10,295.7</b>	<b>148,936</b>	5,568.0
14' 3	21' 3	43.80%	220,967	5,261	836,451	836.45	<b>823.22</b>	181.98	16.91	12.62	<b>10,389.0</b>	<b>149,810</b>	5,568.0
14' 4	21' 2	44.06%	222,257	5,292	841,334	841.33	<b>828.03</b>	181.98	16.92	12.66	<b>10,482.9</b>	<b>150,685</b>	5,568.0
14' 5	21' 1	44.31%	223,547	5,323	846,217	846.22	<b>832.83</b>	181.98	16.92	12.71	<b>10,585.3</b>	<b>151,558</b>	5,568.0
14' 6	21' 0	44.57%	224,837	5,353	851,100	851.10	<b>837.64</b>	181.98	16.92	12.75	<b>10,679.9</b>	<b>152,434</b>	5,568.0
14' 7	20' 11	44.82%	226,127	5,384	855,983	855.98	<b>842.45</b>	181.98	16.92	12.79	<b>10,774.9</b>	<b>153,309</b>	5,568.0
14' 8	20' 10	45.08%	227,417	5,415	860,866	860.87	<b>847.25</b>	181.98	16.92	12.83	<b>10,870.2</b>	<b>154,183</b>	5,568.0
14' 9	20' 9	45.33%	228,707	5,445	865,749	865.75	<b>852.06</b>	181.98	16.92	12.87	<b>10,966.0</b>	<b>155,058</b>	5,568.0
14' 10	20' 8	45.59%	229,997	5,476	870,632	870.63	<b>856.86</b>	181.98	16.92	12.91	<b>11,062.1</b>	<b>155,931</b>	5,568.0
14' 11	20' 7	45.84%	231,287	5,507	875,515	875.52	<b>861.67</b>	181.98	16.92	12.96	<b>11,167.2</b>	<b>156,807</b>	5,568.0
15' 0	20' 6	46.10%	232,577	5,538	880,398	880.40	<b>866.47</b>	181.98	16.92	13.00	<b>11,264.1</b>	<b>157,680</b>	5,568.0
15' 1	20' 5	46.36%	233,867	5,568	885,281	885.28	<b>871.28</b>	181.98	16.92	13.04	<b>11,361.5</b>	<b>158,556</b>	5,568.0
15' 2	20' 4	46.61%	235,157	5,599	890,164	890.16	<b>876.09</b>	181.98	16.92	13.08	<b>11,459.3</b>	<b>159,431</b>	5,568.0
15' 3	20' 3	46.87%	236,446	5,630	895,047	895.05	<b>880.89</b>	181.98	16.92	13.12	<b>11,557.3</b>	<b>160,304</b>	5,568.0
15' 4	20' 2	47.12%	237,736	5,660	899,930	899.93	<b>885.70</b>	181.98	16.92	13.16	<b>11,655.8</b>	<b>161,180</b>	5,568.0
15' 5	20' 1	47.38%	239,026	5,691	904,813	904.81	<b>890.50</b>	181.98	16.92	13.21	<b>11,763.5</b>	<b>162,053</b>	5,568.0
15' 6	20' 0	47.63%	240,316	5,722	909,696	909.70	<b>895.31</b>	181.98	16.92	13.25	<b>11,862.9</b>	<b>162,929</b>	5,568.0
15' 7	19' 11	47.89%	241,606	5,753	914,579	914.58	<b>900.11</b>	181.98	16.92	13.29	<b>11,962.5</b>	<b>163,802</b>	5,568.0
15' 8	19' 10	48.15%	242,896	5,783	919,462	919.46	<b>904.92</b>	181.98	16.92	13.33	<b>12,062.6</b>	<b>164,677</b>	5,568.0
15' 9	19' 9	48.40%	244,186	5,814	924,345	924.34	<b>909.73</b>	181.98	16.92	13.37	<b>12,163.1</b>	<b>165,553</b>	5,568.0
15' 10	19' 8	48.66%	245,476	5,845	929,228	929.23	<b>914.53</b>	181.98	16.93	13.41	<b>12,263.8</b>	<b>166,426</b>	5,568.0
15' 11	19' 7	48.91%	246,766	5,875	934,111	934.11	<b>919.34</b>	181.98	16.93	13.46	<b>12,374.3</b>	<b>167,301</b>	5,568.0
16' 0	19' 6	49.17%	248,056	5,906	938,994	938.99	<b>924.14</b>	181.98	16.93	13.50	<b>12,475.9</b>	<b>168,175</b>	5,568.0
16' 1	19' 5	49.42%	249,346	5,937	943,877	943.88	<b>928.95</b>	181.98	16.93	13.54	<b>12,578.0</b>	<b>169,050</b>	5,568.0
16' 2	19' 4	49.68%	250,636	5,968	948,760	948.76	<b>933.75</b>	181.98	16.93	13.58	<b>12,680.3</b>	<b>169,924</b>	5,568.0
16' 3	19' 3	49.94%	251,926	5,998	953,643	953.64	<b>938.56</b>	181.98	16.93	13.62	<b>12,783.2</b>	<b>170,799</b>	5,568.0
16' 4	19' 2	50.19%	253,216	6,029	958,526	958.53	<b>943.37</b>	181.98	16.93	13.66	<b>12,886.4</b>	<b>171,674</b>	5,568.0
16' 5	19' 1	50.45%	254,506	6,060	963,408	963.41	<b>948.17</b>	181.98	16.93	13.71	<b>12,999.4</b>	<b>172,548</b>	5,568.0
16' 6	19' 0	50.70%	255,796	6,090	968,292	968.29	<b>952.98</b>	181.98	16.93	13.75	<b>13,103.5</b>	<b>173,423</b>	5,568.0

Tank		Oil #3 STBD											
Specific Gravity		1											
Trim		0											
Capacity		12,012 BBL											
Label(s)		Oil#3.s											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
16' 7	18' 11	50.96%	257,086	6,121	973,175	973.17	<b>957.78</b>	181.98	16.93	13.79	<b>13,207.8</b>	<b>174,297</b>	5,568.0
16' 8	18' 10	51.21%	258,376	6,152	978,058	978.06	<b>962.59</b>	181.98	16.93	13.83	<b>13,312.6</b>	<b>175,172</b>	5,568.0
16' 9	18' 9	51.47%	259,666	6,183	982,941	982.94	<b>967.40</b>	181.98	16.93	13.87	<b>13,417.8</b>	<b>176,047</b>	5,568.0
16' 10	18' 8	51.73%	260,956	6,213	987,824	987.82	<b>972.20</b>	181.98	16.93	13.91	<b>13,523.3</b>	<b>176,921</b>	5,568.0
16' 11	18' 7	51.98%	262,245	6,244	992,707	992.71	<b>977.01</b>	181.98	16.93	13.96	<b>13,639.1</b>	<b>177,796</b>	5,568.0
17' 0	18' 6	52.24%	263,535	6,275	997,590	997.59	<b>981.81</b>	181.98	16.93	14.00	<b>13,745.3</b>	<b>178,670</b>	5,568.0
17' 1	18' 5	52.49%	264,825	6,305	1,002,473	1,002.47	<b>986.62</b>	181.98	16.93	14.04	<b>13,852.1</b>	<b>179,545</b>	5,568.0
17' 2	18' 4	52.75%	266,115	6,336	1,007,356	1,007.36	<b>991.42</b>	181.98	16.93	14.08	<b>13,959.2</b>	<b>180,419</b>	5,568.0
17' 3	18' 3	53.00%	267,405	6,367	1,012,239	1,012.24	<b>996.23</b>	181.98	16.93	14.12	<b>14,066.8</b>	<b>181,294</b>	5,568.0
17' 4	18' 2	53.26%	268,695	6,398	1,017,122	1,017.12	<b>1,001.04</b>	181.98	16.93	14.16	<b>14,174.7</b>	<b>182,169</b>	5,568.0
17' 5	18' 1	53.52%	269,985	6,428	1,022,005	1,022.01	<b>1,005.84</b>	181.98	16.93	14.21	<b>14,293.0</b>	<b>183,043</b>	5,568.0
17' 6	18' 0	53.77%	271,275	6,459	1,026,888	1,026.89	<b>1,010.65</b>	181.98	16.93	14.25	<b>14,401.8</b>	<b>183,918</b>	5,568.0
17' 7	17' 11	54.03%	272,565	6,490	1,031,771	1,031.77	<b>1,015.45</b>	181.98	16.93	14.29	<b>14,510.8</b>	<b>184,792</b>	5,568.0
17' 8	17' 10	54.28%	273,855	6,520	1,036,654	1,036.65	<b>1,020.26</b>	181.98	16.94	14.33	<b>14,620.3</b>	<b>185,667</b>	5,568.0
17' 9	17' 9	54.54%	275,145	6,551	1,041,537	1,041.54	<b>1,025.07</b>	181.98	16.94	14.37	<b>14,730.3</b>	<b>186,542</b>	5,568.0
17' 10	17' 8	54.79%	276,435	6,582	1,046,420	1,046.42	<b>1,029.87</b>	181.98	16.94	14.41	<b>14,840.4</b>	<b>187,416</b>	5,568.0
17' 11	17' 7	55.05%	277,725	6,612	1,051,303	1,051.30	<b>1,034.68</b>	181.98	16.94	14.46	<b>14,961.5</b>	<b>188,291</b>	5,568.0
18' 0	17' 6	55.31%	279,015	6,643	1,056,186	1,056.19	<b>1,039.48</b>	181.98	16.94	14.50	<b>15,072.5</b>	<b>189,165</b>	5,568.0
18' 1	17' 5	55.56%	280,305	6,674	1,061,069	1,061.07	<b>1,044.29</b>	181.98	16.94	14.54	<b>15,184.0</b>	<b>190,040</b>	5,568.0
18' 2	17' 4	55.82%	281,595	6,705	1,065,952	1,065.95	<b>1,049.09</b>	181.98	16.94	14.58	<b>15,295.7</b>	<b>190,913</b>	5,568.0
18' 3	17' 3	56.07%	282,885	6,735	1,070,835	1,070.84	<b>1,053.90</b>	181.98	16.94	14.62	<b>15,408.0</b>	<b>191,789</b>	5,568.0
18' 4	17' 2	56.33%	284,175	6,766	1,075,718	1,075.72	<b>1,058.70</b>	181.98	16.94	14.66	<b>15,520.5</b>	<b>192,662</b>	5,568.0
18' 5	17' 1	56.58%	285,465	6,797	1,080,601	1,080.60	<b>1,063.51</b>	181.98	16.94	14.71	<b>15,644.2</b>	<b>193,538</b>	5,568.0
18' 6	17' 0	56.84%	286,755	6,827	1,085,485	1,085.48	<b>1,068.32</b>	181.98	16.94	14.75	<b>15,757.7</b>	<b>194,413</b>	5,568.0
18' 7	16' 11	57.10%	288,045	6,858	1,090,367	1,090.37	<b>1,073.12</b>	181.98	16.94	14.79	<b>15,871.4</b>	<b>195,286</b>	5,568.0
18' 8	16' 10	57.35%	289,335	6,889	1,095,251	1,095.25	<b>1,077.93</b>	181.98	16.94	14.83	<b>15,985.7</b>	<b>196,162</b>	5,568.0
18' 9	16' 9	57.61%	290,625	6,920	1,100,134	1,100.13	<b>1,082.73</b>	181.98	16.94	14.87	<b>16,100.2</b>	<b>197,035</b>	5,568.0
18' 10	16' 8	57.86%	291,915	6,950	1,105,017	1,105.02	<b>1,087.54</b>	181.98	16.94	14.91	<b>16,215.2</b>	<b>197,911</b>	5,568.0
18' 11	16' 7	58.12%	293,204	6,981	1,109,899	1,109.90	<b>1,092.35</b>	181.98	16.94	14.96	<b>16,341.6</b>	<b>198,786</b>	5,568.0
19' 0	16' 6	58.37%	294,494	7,012	1,114,783	1,114.78	<b>1,097.15</b>	181.98	16.94	15.00	<b>16,457.3</b>	<b>199,659</b>	5,568.0
19' 1	16' 5	58.63%	295,784	7,042	1,119,665	1,119.67	<b>1,101.96</b>	181.98	16.94	15.04	<b>16,573.5</b>	<b>200,535</b>	5,568.0
19' 2	16' 4	58.89%	297,074	7,073	1,124,549	1,124.55	<b>1,106.76</b>	181.98	16.94	15.08	<b>16,689.9</b>	<b>201,408</b>	5,568.0
19' 3	16' 3	59.14%	298,364	7,104	1,129,431	1,129.43	<b>1,111.57</b>	181.98	16.94	15.12	<b>16,806.9</b>	<b>202,284</b>	5,568.0

Tank		Oil #3 STBD											
Specific Gravity		1											
Trim		0											
Capacity		12,012 BBL											
Label(s)		Oil#3.s											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
19' 4	16' 2	59.40%	299,654	7,135	1,134,315	1,134.31	<b>1,116.38</b>	181.98	16.94	15.16	<b>16,924.3</b>	<b>203,159</b>	5,568.0
19' 5	16' 1	59.65%	300,944	7,165	1,139,198	1,139.20	<b>1,121.18</b>	181.98	16.94	15.21	<b>17,053.1</b>	<b>204,032</b>	5,568.0
19' 6	16' 0	59.91%	302,234	7,196	1,144,081	1,144.08	<b>1,125.99</b>	181.98	16.94	15.25	<b>17,171.3</b>	<b>204,908</b>	5,568.0
19' 7	15' 11	60.16%	303,524	7,227	1,148,964	1,148.96	<b>1,130.79</b>	181.98	16.94	15.29	<b>17,289.8</b>	<b>205,781</b>	5,568.0
19' 8	15' 10	60.42%	304,814	7,257	1,153,847	1,153.85	<b>1,135.60</b>	181.98	16.94	15.33	<b>17,408.7</b>	<b>206,656</b>	5,568.0
19' 9	15' 9	60.67%	306,104	7,288	1,158,730	1,158.73	<b>1,140.40</b>	181.98	16.94	15.37	<b>17,527.9</b>	<b>207,530</b>	5,568.0
19' 10	15' 8	60.93%	307,394	7,319	1,163,613	1,163.61	<b>1,145.21</b>	181.98	16.94	15.41	<b>17,647.7</b>	<b>208,405</b>	5,568.0
19' 11	15' 7	61.19%	308,684	7,350	1,168,496	1,168.50	<b>1,150.02</b>	181.98	16.94	15.46	<b>17,779.3</b>	<b>209,281</b>	5,568.0
20' 0	15' 6	61.44%	309,974	7,380	1,173,378	1,173.38	<b>1,154.82</b>	181.98	16.94	15.50	<b>17,899.7</b>	<b>210,154</b>	5,568.0
20' 1	15' 5	61.70%	311,264	7,411	1,178,262	1,178.26	<b>1,159.63</b>	181.98	16.95	15.54	<b>18,020.7</b>	<b>211,029</b>	5,568.0
20' 2	15' 4	61.95%	312,554	7,442	1,183,144	1,183.14	<b>1,164.43</b>	181.98	16.95	15.58	<b>18,141.8</b>	<b>211,903</b>	5,568.0
20' 3	15' 3	62.21%	313,844	7,472	1,188,028	1,188.03	<b>1,169.24</b>	181.98	16.95	15.62	<b>18,263.5</b>	<b>212,778</b>	5,568.0
20' 4	15' 2	62.46%	315,134	7,503	1,192,911	1,192.91	<b>1,174.04</b>	181.98	16.95	15.66	<b>18,385.5</b>	<b>213,652</b>	5,568.0
20' 5	15' 1	62.72%	316,424	7,534	1,197,794	1,197.79	<b>1,178.85</b>	181.98	16.95	15.71	<b>18,519.7</b>	<b>214,527</b>	5,568.0
20' 6	15' 0	62.98%	317,714	7,565	1,202,677	1,202.68	<b>1,183.66</b>	181.98	16.95	15.75	<b>18,642.6</b>	<b>215,402</b>	5,568.0
20' 7	14' 11	63.23%	319,004	7,595	1,207,560	1,207.56	<b>1,188.46</b>	181.98	16.95	15.79	<b>18,765.8</b>	<b>216,276</b>	5,568.0
20' 8	14' 10	63.49%	320,294	7,626	1,212,443	1,212.44	<b>1,193.27</b>	181.98	16.95	15.83	<b>18,889.5</b>	<b>217,151</b>	5,568.0
20' 9	14' 9	63.74%	321,584	7,657	1,217,326	1,217.33	<b>1,198.07</b>	181.98	16.95	15.87	<b>19,013.4</b>	<b>218,025</b>	5,568.0
20' 10	14' 8	64.00%	322,874	7,687	1,222,210	1,222.21	<b>1,202.88</b>	181.98	16.95	15.91	<b>19,137.8</b>	<b>218,900</b>	5,568.0
20' 11	14' 7	64.25%	324,163	7,718	1,227,092	1,227.09	<b>1,207.68</b>	181.98	16.95	15.96	<b>19,274.6</b>	<b>219,774</b>	5,568.0
21' 0	14' 6	64.51%	325,453	7,749	1,231,975	1,231.98	<b>1,212.49</b>	181.98	16.95	16.00	<b>19,399.8</b>	<b>220,649</b>	5,568.0
21' 1	14' 5	64.77%	326,743	7,780	1,236,858	1,236.86	<b>1,217.30</b>	181.98	16.95	16.04	<b>19,525.5</b>	<b>221,524</b>	5,568.0
21' 2	14' 4	65.02%	328,033	7,810	1,241,741	1,241.74	<b>1,222.10</b>	181.98	16.95	16.08	<b>19,651.4</b>	<b>222,398</b>	5,568.0
21' 3	14' 3	65.28%	329,323	7,841	1,246,624	1,246.62	<b>1,226.91</b>	181.98	16.95	16.12	<b>19,777.8</b>	<b>223,273</b>	5,568.0
21' 4	14' 2	65.53%	330,613	7,872	1,251,507	1,251.51	<b>1,231.71</b>	181.98	16.95	16.16	<b>19,904.4</b>	<b>224,147</b>	5,568.0
21' 5	14' 1	65.79%	331,903	7,902	1,256,390	1,256.39	<b>1,236.52</b>	181.98	16.95	16.21	<b>20,044.0</b>	<b>225,022</b>	5,568.0
21' 6	14' 0	66.04%	333,193	7,933	1,261,273	1,261.27	<b>1,241.33</b>	181.98	16.95	16.25	<b>20,171.6</b>	<b>225,897</b>	5,568.0
21' 7	13' 11	66.30%	334,483	7,964	1,266,157	1,266.16	<b>1,246.13</b>	181.98	16.95	16.29	<b>20,299.5</b>	<b>226,771</b>	5,568.0
21' 8	13' 10	66.56%	335,773	7,995	1,271,039	1,271.04	<b>1,250.94</b>	181.98	16.95	16.33	<b>20,427.9</b>	<b>227,646</b>	5,568.0
21' 9	13' 9	66.81%	337,063	8,025	1,275,922	1,275.92	<b>1,255.74</b>	181.98	16.95	16.37	<b>20,556.5</b>	<b>228,520</b>	5,568.0
21' 10	13' 8	67.07%	338,353	8,056	1,280,805	1,280.81	<b>1,260.55</b>	181.98	16.95	16.41	<b>20,685.6</b>	<b>229,395</b>	5,568.0
21' 11	13' 7	67.32%	339,643	8,087	1,285,689	1,285.69	<b>1,265.36</b>	181.98	16.95	16.46	<b>20,827.8</b>	<b>230,270</b>	5,568.0
22' 0	13' 6	67.58%	340,933	8,117	1,290,571	1,290.57	<b>1,270.16</b>	181.98	16.95	16.50	<b>20,957.6</b>	<b>231,144</b>	5,568.0

Tank		Oil #3 STBD												
Specific Gravity		1												
Trim		0												
Capacity		12,012 BBL												
Label(s)		Oil#3.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
22' 1	13' 5	67.83%	342,223	8,148	1,295,454	1,295.45	<b>1,274.97</b>	181.98	16.95	16.54	<b>21,088.0</b>	<b>232,019</b>	5,568.0	
22' 2	13' 4	68.09%	343,513	8,179	1,300,337	1,300.34	<b>1,279.77</b>	181.98	16.95	16.58	<b>21,218.6</b>	<b>232,893</b>	5,568.0	
22' 3	13' 3	68.35%	344,803	8,210	1,305,221	1,305.22	<b>1,284.58</b>	181.98	16.95	16.62	<b>21,349.7</b>	<b>233,768</b>	5,568.0	
22' 4	13' 2	68.60%	346,093	8,240	1,310,103	1,310.10	<b>1,289.38</b>	181.98	16.95	16.66	<b>21,481.1</b>	<b>234,641</b>	5,568.0	
22' 5	13' 1	68.86%	347,383	8,271	1,314,987	1,314.99	<b>1,294.19</b>	181.98	16.95	16.71	<b>21,625.9</b>	<b>235,517</b>	5,568.0	
22' 6	13' 0	69.11%	348,673	8,302	1,319,869	1,319.87	<b>1,298.99</b>	181.98	16.95	16.75	<b>21,758.1</b>	<b>236,390</b>	5,568.0	
22' 7	12' 11	69.37%	349,963	8,332	1,324,753	1,324.75	<b>1,303.80</b>	181.98	16.95	16.79	<b>21,890.8</b>	<b>237,266</b>	5,568.0	
22' 8	12' 10	69.62%	351,253	8,363	1,329,635	1,329.64	<b>1,308.61</b>	181.98	16.95	16.83	<b>22,023.9</b>	<b>238,141</b>	5,568.0	
22' 9	12' 9	69.88%	352,543	8,394	1,334,519	1,334.52	<b>1,313.41</b>	181.98	16.95	16.87	<b>22,157.2</b>	<b>239,014</b>	5,568.0	
22' 10	12' 8	70.14%	353,833	8,425	1,339,402	1,339.40	<b>1,318.22</b>	181.98	16.95	16.91	<b>22,291.1</b>	<b>239,890</b>	5,568.0	
22' 11	12' 7	70.39%	355,122	8,455	1,344,285	1,344.28	<b>1,323.02</b>	181.98	16.95	16.96	<b>22,438.4</b>	<b>240,763</b>	5,568.0	
23' 0	12' 6	70.65%	356,412	8,486	1,349,168	1,349.17	<b>1,327.83</b>	181.98	16.95	17.00	<b>22,573.1</b>	<b>241,639</b>	5,568.0	
23' 1	12' 5	70.90%	357,702	8,517	1,354,051	1,354.05	<b>1,332.64</b>	181.98	16.96	17.04	<b>22,708.2</b>	<b>242,514</b>	5,568.0	
23' 2	12' 4	71.16%	358,992	8,547	1,358,934	1,358.93	<b>1,337.44</b>	181.98	16.96	17.08	<b>22,843.5</b>	<b>243,387</b>	5,568.0	
23' 3	12' 3	71.41%	360,282	8,578	1,363,817	1,363.82	<b>1,342.25</b>	181.98	16.96	17.12	<b>22,979.3</b>	<b>244,263</b>	5,568.0	
23' 4	12' 2	71.67%	361,572	8,609	1,368,700	1,368.70	<b>1,347.05</b>	181.98	16.96	17.16	<b>23,115.4</b>	<b>245,136</b>	5,568.0	
23' 5	12' 1	71.93%	362,862	8,640	1,373,583	1,373.58	<b>1,351.86</b>	181.98	16.96	17.21	<b>23,265.5</b>	<b>246,011</b>	5,568.0	
23' 6	12' 0	72.18%	364,152	8,670	1,378,466	1,378.47	<b>1,356.67</b>	181.98	16.96	17.25	<b>23,402.6</b>	<b>246,887</b>	5,568.0	
23' 7	11' 11	72.44%	365,442	8,701	1,383,349	1,383.35	<b>1,361.47</b>	181.98	16.96	17.29	<b>23,539.8</b>	<b>247,760</b>	5,568.0	
23' 8	11' 10	72.69%	366,732	8,732	1,388,232	1,388.23	<b>1,366.28</b>	181.98	16.96	17.33	<b>23,677.6</b>	<b>248,636</b>	5,568.0	
23' 9	11' 9	72.95%	368,022	8,762	1,393,115	1,393.11	<b>1,371.08</b>	181.98	16.96	17.37	<b>23,815.7</b>	<b>249,509</b>	5,568.0	
23' 10	11' 8	73.20%	369,312	8,793	1,397,998	1,398.0	<b>1,375.89</b>	181.98	16.96	17.41	<b>23,954.2</b>	<b>250,384</b>	5,568.0	
23' 11	11' 7	73.46%	370,602	8,824	1,402,881	1,402.88	<b>1,380.69</b>	181.98	16.96	17.46	<b>24,106.8</b>	<b>251,258</b>	5,568.0	
24' 0	11' 6	73.72%	371,892	8,855	1,407,764	1,407.76	<b>1,385.50</b>	181.98	16.96	17.50	<b>24,246.3</b>	<b>252,133</b>	5,568.0	
24' 1	11' 5	73.97%	373,182	8,885	1,412,647	1,412.65	<b>1,390.31</b>	181.98	16.96	17.54	<b>24,386.0</b>	<b>253,009</b>	5,568.0	
24' 2	11' 4	74.23%	374,472	8,916	1,417,530	1,417.53	<b>1,395.11</b>	181.98	16.96	17.58	<b>24,526.0</b>	<b>253,882</b>	5,568.0	
24' 3	11' 3	74.48%	375,762	8,947	1,422,413	1,422.41	<b>1,399.92</b>	181.98	16.96	17.62	<b>24,666.6</b>	<b>254,757</b>	5,568.0	
24' 4	11' 2	74.74%	377,052	8,977	1,427,296	1,427.30	<b>1,404.72</b>	181.98	16.96	17.66	<b>24,807.4</b>	<b>255,631</b>	5,568.0	
24' 5	11' 1	74.99%	378,342	9,008	1,432,179	1,432.18	<b>1,409.53</b>	181.98	16.96	17.71	<b>24,962.8</b>	<b>256,506</b>	5,568.0	
24' 6	11' 0	75.25%	379,632	9,039	1,437,062	1,437.06	<b>1,414.33</b>	181.98	16.96	17.75	<b>25,104.4</b>	<b>257,380</b>	5,568.0	
24' 7	10' 11	75.51%	380,922	9,070	1,441,945	1,441.95	<b>1,419.14</b>	181.98	16.96	17.79	<b>25,246.5</b>	<b>258,255</b>	5,568.0	
24' 8	10' 10	75.76%	382,212	9,100	1,446,828	1,446.83	<b>1,423.95</b>	181.98	16.96	17.83	<b>25,389.0</b>	<b>259,130</b>	5,568.0	
24' 9	10' 9	76.02%	383,502	9,131	1,451,711	1,451.71	<b>1,428.75</b>	181.98	16.96	17.87	<b>25,531.8</b>	<b>260,004</b>	5,568.0	

Tank		Oil #3 STBD											
Specific Gravity		1											
Trim		0											
Capacity		12,012 BBL											
Label(s)		Oil#3.s											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
24' 10	10' 8	76.27%	384,792	9,162	1,456,594	1,456.59	<b>1,433.56</b>	181.98	16.96	17.91	<b>25,675.1</b>	<b>260,879</b>	5,568.0
24' 11	10' 7	76.53%	386,082	9,192	1,461,477	1,461.48	<b>1,438.36</b>	181.98	16.96	17.96	<b>25,832.9</b>	<b>261,753</b>	5,568.0
25' 0	10' 6	76.78%	387,371	9,223	1,466,360	1,466.36	<b>1,443.17</b>	181.98	16.96	18.00	<b>25,977.1</b>	<b>262,628</b>	5,568.0
25' 1	10' 5	77.04%	388,661	9,254	1,471,243	1,471.24	<b>1,447.97</b>	181.98	16.96	18.04	<b>26,121.4</b>	<b>263,502</b>	5,568.0
25' 2	10' 4	77.29%	389,951	9,285	1,476,126	1,476.13	<b>1,452.78</b>	181.98	16.96	18.08	<b>26,266.3</b>	<b>264,377</b>	5,568.0
25' 3	10' 3	77.55%	391,241	9,315	1,481,009	1,481.01	<b>1,457.59</b>	181.98	16.96	18.12	<b>26,411.5</b>	<b>265,252</b>	5,568.0
25' 4	10' 2	77.81%	392,531	9,346	1,485,893	1,485.89	<b>1,462.39</b>	181.98	16.96	18.16	<b>26,557.0</b>	<b>266,126</b>	5,568.0
25' 5	10' 1	78.06%	393,821	9,377	1,490,775	1,490.78	<b>1,467.20</b>	181.98	16.96	18.21	<b>26,717.7</b>	<b>267,001</b>	5,568.0
25' 6	10' 0	78.32%	395,111	9,407	1,495,659	1,495.66	<b>1,472.0</b>	181.98	16.96	18.25	<b>26,864.0</b>	<b>267,875</b>	5,568.0
25' 7	9' 11	78.57%	396,401	9,438	1,500,542	1,500.54	<b>1,476.81</b>	181.98	16.96	18.29	<b>27,010.9</b>	<b>268,750</b>	5,568.0
25' 8	9' 10	78.83%	397,691	9,469	1,505,425	1,505.42	<b>1,481.62</b>	181.98	16.96	18.33	<b>27,158.1</b>	<b>269,625</b>	5,568.0
25' 9	9' 9	79.08%	398,981	9,500	1,510,307	1,510.31	<b>1,486.42</b>	181.98	16.96	18.37	<b>27,305.5</b>	<b>270,499</b>	5,568.0
25' 10	9' 8	79.34%	400,271	9,530	1,515,191	1,515.19	<b>1,491.23</b>	181.98	16.96	18.41	<b>27,453.5</b>	<b>271,374</b>	5,568.0
25' 11	9' 7	79.60%	401,561	9,561	1,520,073	1,520.07	<b>1,496.03</b>	181.98	16.96	18.46	<b>27,616.7</b>	<b>272,248</b>	5,568.0
26' 0	9' 6	79.85%	402,851	9,592	1,524,957	1,524.96	<b>1,500.84</b>	181.98	16.96	18.50	<b>27,765.5</b>	<b>273,123</b>	5,568.0
26' 1	9' 5	80.11%	404,141	9,622	1,529,839	1,529.84	<b>1,505.64</b>	181.98	16.96	18.54	<b>27,914.6</b>	<b>273,996</b>	5,568.0
26' 2	9' 4	80.36%	405,431	9,653	1,534,723	1,534.72	<b>1,510.45</b>	181.98	16.96	18.58	<b>28,064.2</b>	<b>274,872</b>	5,568.0
26' 3	9' 3	80.62%	406,721	9,684	1,539,605	1,539.61	<b>1,515.26</b>	181.98	16.96	18.62	<b>28,214.1</b>	<b>275,747</b>	5,568.0
26' 4	9' 2	80.87%	408,011	9,715	1,544,489	1,544.49	<b>1,520.06</b>	181.98	16.96	18.66	<b>28,364.3</b>	<b>276,621</b>	5,568.0
26' 5	9' 1	81.13%	409,301	9,745	1,549,372	1,549.37	<b>1,524.87</b>	181.98	16.96	18.71	<b>28,530.3</b>	<b>277,496</b>	5,568.0
26' 6	9' 0	81.39%	410,591	9,776	1,554,255	1,554.25	<b>1,529.67</b>	181.98	16.96	18.75	<b>28,681.3</b>	<b>278,369</b>	5,568.0
26' 7	8' 11	81.64%	411,881	9,807	1,559,138	1,559.14	<b>1,534.48</b>	181.98	16.96	18.79	<b>28,832.9</b>	<b>279,245</b>	5,568.0
26' 8	8' 10	81.90%	413,171	9,837	1,564,020	1,564.02	<b>1,539.29</b>	181.98	16.96	18.83	<b>28,984.8</b>	<b>280,120</b>	5,568.0
26' 9	8' 9	82.15%	414,461	9,868	1,568,904	1,568.90	<b>1,544.09</b>	181.98	16.96	18.87	<b>29,137.0</b>	<b>280,993</b>	5,568.0
26' 10	8' 8	82.41%	415,751	9,899	1,573,787	1,573.79	<b>1,548.90</b>	181.98	16.96	18.91	<b>29,289.7</b>	<b>281,869</b>	5,568.0
26' 11	8' 7	82.66%	417,040	9,930	1,578,670	1,578.67	<b>1,553.70</b>	181.98	16.96	18.96	<b>29,458.2</b>	<b>282,742</b>	5,568.0
27' 0	8' 6	82.92%	418,330	9,960	1,583,553	1,583.55	<b>1,558.51</b>	181.98	16.96	19.00	<b>29,611.7</b>	<b>283,618</b>	5,568.0
27' 1	8' 5	83.18%	419,620	9,991	1,588,436	1,588.44	<b>1,563.31</b>	181.98	16.96	19.04	<b>29,765.4</b>	<b>284,491</b>	5,568.0
27' 2	8' 4	83.43%	420,910	10,022	1,593,319	1,593.32	<b>1,568.12</b>	181.98	16.96	19.08	<b>29,919.7</b>	<b>285,366</b>	5,568.0
27' 3	8' 3	83.69%	422,200	10,052	1,598,202	1,598.20	<b>1,572.93</b>	181.98	16.96	19.12	<b>30,074.4</b>	<b>286,242</b>	5,568.0
27' 4	8' 2	83.94%	423,490	10,083	1,603,085	1,603.09	<b>1,577.73</b>	181.98	16.97	19.16	<b>30,229.3</b>	<b>287,115</b>	5,568.0
27' 5	8' 1	84.20%	424,780	10,114	1,607,968	1,607.97	<b>1,582.54</b>	181.98	16.97	19.21	<b>30,400.6</b>	<b>287,991</b>	5,568.0
27' 6	8' 0	84.45%	426,070	10,145	1,612,851	1,612.85	<b>1,587.34</b>	181.98	16.97	19.25	<b>30,556.3</b>	<b>288,864</b>	5,568.0



Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
27' 7	7' 11	84.71%	427,360	10,175	1,617,734	1,617.73	<b>1,592.15</b>	181.98	16.97	19.29	<b>30,712.6</b>	<b>289,739</b>	5,568.0
27' 8	7' 10	84.97%	428,650	10,206	1,622,617	1,622.62	<b>1,596.95</b>	181.98	16.97	19.33	<b>30,869.0</b>	<b>290,613</b>	5,568.0
27' 9	7' 9	85.22%	429,940	10,237	1,627,500	1,627.50	<b>1,601.76</b>	181.98	16.97	19.37	<b>31,026.1</b>	<b>291,488</b>	5,568.0
27' 10	7' 8	85.48%	431,230	10,267	1,632,383	1,632.38	<b>1,606.57</b>	181.98	16.97	19.41	<b>31,183.5</b>	<b>292,364</b>	5,568.0
27' 11	7' 7	85.73%	432,520	10,298	1,637,266	1,637.27	<b>1,611.37</b>	181.98	16.97	19.46	<b>31,357.3</b>	<b>293,237</b>	5,568.0
28' 0	7' 6	85.99%	433,810	10,329	1,642,149	1,642.15	<b>1,616.18</b>	181.98	16.97	19.50	<b>31,515.5</b>	<b>294,112</b>	5,568.0
28' 1	7' 5	86.24%	435,100	10,360	1,647,032	1,647.03	<b>1,620.98</b>	181.98	16.97	19.54	<b>31,673.9</b>	<b>294,986</b>	5,568.0
28' 2	7' 4	86.50%	436,390	10,390	1,651,915	1,651.92	<b>1,625.79</b>	181.98	16.97	19.58	<b>31,833.0</b>	<b>295,861</b>	5,568.0
28' 3	7' 3	86.76%	437,680	10,421	1,656,798	1,656.80	<b>1,630.60</b>	181.98	16.97	19.62	<b>31,992.4</b>	<b>296,737</b>	5,568.0
28' 4	7' 2	87.01%	438,970	10,452	1,661,681	1,661.68	<b>1,635.40</b>	181.98	16.97	19.66	<b>32,152.0</b>	<b>297,610</b>	5,568.0
28' 5	7' 1	87.27%	440,260	10,482	1,666,564	1,666.56	<b>1,640.21</b>	181.98	16.97	19.71	<b>32,328.5</b>	<b>298,485</b>	5,568.0
28' 6	7' 0	87.52%	441,550	10,513	1,671,448	1,671.45	<b>1,645.01</b>	181.98	16.97	19.75	<b>32,488.9</b>	<b>299,359</b>	5,568.0
28' 7	6' 11	87.78%	442,840	10,544	1,676,330	1,676.33	<b>1,649.82</b>	181.98	16.97	19.79	<b>32,649.9</b>	<b>300,234</b>	5,568.0
28' 8	6' 10	88.03%	444,130	10,575	1,681,213	1,681.21	<b>1,654.62</b>	181.98	16.97	19.83	<b>32,811.1</b>	<b>301,108</b>	5,568.0
28' 9	6' 9	88.29%	445,420	10,605	1,686,096	1,686.10	<b>1,659.43</b>	181.98	16.97	19.87	<b>32,972.9</b>	<b>301,983</b>	5,568.0
28' 10	6' 8	88.55%	446,710	10,636	1,690,980	1,690.98	<b>1,664.24</b>	181.98	16.97	19.91	<b>33,135.0</b>	<b>302,858</b>	5,568.0
28' 11	6' 7	88.80%	447,999	10,667	1,695,862	1,695.86	<b>1,669.04</b>	181.98	16.97	19.96	<b>33,314.0</b>	<b>303,732</b>	5,568.0
29' 0	6' 6	89.06%	449,289	10,697	1,700,745	1,700.75	<b>1,673.85</b>	181.98	16.97	20.00	<b>33,477.0</b>	<b>304,607</b>	5,568.0
29' 1	6' 5	89.31%	450,579	10,728	1,705,628	1,705.63	<b>1,678.65</b>	181.98	16.97	20.04	<b>33,640.1</b>	<b>305,481</b>	5,568.0
29' 2	6' 4	89.57%	451,869	10,759	1,710,511	1,710.51	<b>1,683.46</b>	181.98	16.97	20.08	<b>33,803.9</b>	<b>306,356</b>	5,568.0
29' 3	6' 3	89.82%	453,159	10,790	1,715,395	1,715.39	<b>1,688.26</b>	181.98	16.97	20.12	<b>33,967.8</b>	<b>307,230</b>	5,568.0
29' 4	6' 2	90.08%	454,449	10,820	1,720,277	1,720.28	<b>1,693.07</b>	181.98	16.97	20.16	<b>34,132.3</b>	<b>308,105</b>	5,568.0
29' 5	6' 1	90.34%	455,739	10,851	1,725,161	1,725.16	<b>1,697.88</b>	181.98	16.97	20.21	<b>34,314.2</b>	<b>308,980</b>	5,568.0
29' 6	6' 0	90.59%	457,029	10,882	1,730,043	1,730.04	<b>1,702.68</b>	181.98	16.97	20.25	<b>34,479.3</b>	<b>309,854</b>	5,568.0
29' 7	5' 11	90.85%	458,319	10,912	1,734,927	1,734.93	<b>1,707.49</b>	181.98	16.97	20.29	<b>34,645.0</b>	<b>310,729</b>	5,568.0
29' 8	5' 10	91.10%	459,609	10,943	1,739,810	1,739.81	<b>1,712.29</b>	181.98	16.97	20.33	<b>34,810.9</b>	<b>311,603</b>	5,568.0
29' 9	5' 9	91.36%	460,899	10,974	1,744,693	1,744.69	<b>1,717.10</b>	181.98	16.97	20.37	<b>34,977.3</b>	<b>312,478</b>	5,568.0
29' 10	5' 8	91.61%	462,189	11,005	1,749,576	1,749.58	<b>1,721.91</b>	181.98	16.97	20.41	<b>35,144.2</b>	<b>313,353</b>	5,568.0
29' 11	5' 7	91.87%	463,479	11,035	1,754,459	1,754.46	<b>1,726.71</b>	181.98	16.97	20.46	<b>35,328.5</b>	<b>314,227</b>	5,568.0
30' 0	5' 6	92.12%	464,769	11,066	1,759,342	1,759.34	<b>1,731.52</b>	181.98	16.97	20.50	<b>35,496.2</b>	<b>315,102</b>	5,568.0
30' 1	5' 5	92.38%	466,059	11,097	1,764,224	1,764.22	<b>1,736.32</b>	181.98	16.97	20.54	<b>35,664.0</b>	<b>315,976</b>	5,568.0
30' 2	5' 4	92.64%	467,349	11,127	1,769,108	1,769.11	<b>1,741.13</b>	181.98	16.97	20.58	<b>35,832.5</b>	<b>316,851</b>	5,568.0
30' 3	5' 3	92.89%	468,639	11,158	1,773,991	1,773.99	<b>1,745.93</b>	181.98	16.97	20.62	<b>36,001.1</b>	<b>317,724</b>	5,568.0

Tank		Oil #3 STBD											
Specific Gravity		1											
Trim		0											
Capacity		12,012 BBL											
Label(s)		Oil#3.s											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
30' 4	5' 2	93.15%	469,929	11,189	1,778,874	1,778.87	<b>1,750.74</b>	181.98	16.97	20.66	<b>36,170.3</b>	<b>318,600</b>	5,568.0
30' 5	5' 1	93.40%	471,219	11,219	1,783,757	1,783.76	<b>1,755.55</b>	181.98	16.97	20.71	<b>36,357.4</b>	<b>319,475</b>	5,568.0
30' 6	5' 0	93.66%	472,509	11,250	1,788,640	1,788.64	<b>1,760.35</b>	181.98	16.97	20.75	<b>36,527.3</b>	<b>320,348</b>	5,568.0
30' 7	4' 11	93.91%	473,799	11,281	1,793,523	1,793.52	<b>1,765.16</b>	181.98	16.97	20.79	<b>36,697.7</b>	<b>321,224</b>	5,568.0
30' 8	4' 10	94.17%	475,089	11,312	1,798,406	1,798.41	<b>1,769.96</b>	181.98	16.97	20.83	<b>36,868.3</b>	<b>322,097</b>	5,568.0
30' 9	4' 9	94.43%	476,379	11,342	1,803,289	1,803.29	<b>1,774.77</b>	181.98	16.97	20.87	<b>37,039.4</b>	<b>322,973</b>	5,568.0
30' 10	4' 8	94.68%	477,668	11,373	1,808,172	1,808.17	<b>1,779.57</b>	181.98	16.97	20.91	<b>37,210.8</b>	<b>323,846</b>	5,568.0
30' 11	4' 7	94.94%	478,959	11,404	1,813,055	1,813.06	<b>1,784.38</b>	181.98	16.97	20.96	<b>37,400.6</b>	<b>324,721</b>	5,568.0
31' 0	4' 6	95.19%	480,248	11,434	1,817,938	1,817.94	<b>1,789.19</b>	181.98	16.97	21.00	<b>37,573.0</b>	<b>325,597</b>	5,568.0
31' 1	4' 5	95.45%	481,538	11,465	1,822,821	1,822.82	<b>1,793.99</b>	181.98	16.97	21.04	<b>37,745.5</b>	<b>326,470</b>	5,568.0
31' 2	4' 4	95.70%	482,828	11,496	1,827,704	1,827.70	<b>1,798.80</b>	181.98	16.97	21.08	<b>37,918.7</b>	<b>327,346</b>	5,568.0
31' 3	4' 3	95.96%	484,118	11,527	1,832,587	1,832.59	<b>1,803.60</b>	181.98	16.97	21.12	<b>38,092.0</b>	<b>328,219</b>	5,568.0
31' 4	4' 2	96.22%	485,408	11,557	1,837,470	1,837.47	<b>1,808.41</b>	181.98	16.97	21.16	<b>38,266.0</b>	<b>329,094</b>	5,568.0
31' 5	4' 1	96.47%	486,698	11,588	1,842,353	1,842.35	<b>1,813.21</b>	181.98	16.97	21.21	<b>38,458.2</b>	<b>329,968</b>	5,568.0
31' 6	4' 0	96.73%	487,988	11,619	1,847,236	1,847.24	<b>1,818.02</b>	181.98	16.97	21.25	<b>38,632.9</b>	<b>330,843</b>	5,568.0
31' 7	3' 11	96.98%	489,278	11,649	1,852,119	1,852.12	<b>1,822.83</b>	181.98	16.97	21.29	<b>38,808.1</b>	<b>331,719</b>	5,568.0
31' 8	3' 10	97.24%	490,568	11,680	1,857,002	1,857.0	<b>1,827.63</b>	181.98	16.97	21.33	<b>38,983.3</b>	<b>332,592</b>	5,568.0
31' 9	3' 9	97.49%	491,858	11,711	1,861,885	1,861.89	<b>1,832.44</b>	181.98	16.97	21.37	<b>39,159.2</b>	<b>333,467</b>	5,568.0
31' 10	3' 8	97.75%	493,148	11,742	1,866,768	1,866.77	<b>1,837.24</b>	181.98	16.97	21.41	<b>39,335.3</b>	<b>334,341</b>	5,568.0
31' 11	3' 7	98.01%	494,438	11,772	1,871,651	1,871.65	<b>1,842.05</b>	181.98	16.97	21.46	<b>39,530.4</b>	<b>335,216</b>	5,568.0
32' 0	3' 6	98.26%	495,728	11,803	1,876,534	1,876.53	<b>1,846.86</b>	181.98	16.97	21.50	<b>39,707.5</b>	<b>336,092</b>	5,568.0
32' 1	3' 5	98.52%	497,018	11,834	1,881,417	1,881.42	<b>1,851.66</b>	181.98	16.97	21.54	<b>39,884.8</b>	<b>336,965</b>	5,568.0
32' 2	3' 4	98.76%	498,264	11,863	1,886,133	1,886.13	<b>1,856.30</b>	181.98	16.97	21.58	<b>40,059.0</b>	<b>337,809</b>	4,383.7
32' 3	3' 3	98.99%	499,400	11,890	1,890,433	1,890.43	<b>1,860.54</b>	181.98	16.97	21.62	<b>40,224.9</b>	<b>338,581</b>	3,270.6
32' 4	3' 2	99.19%	500,424	11,915	1,894,312	1,894.31	<b>1,864.35</b>	181.98	16.96	21.65	<b>40,363.2</b>	<b>339,274</b>	2,364.5
32' 5	3' 1	99.37%	501,339	11,937	1,897,773	1,897.77	<b>1,867.76</b>	181.98	16.95	21.68	<b>40,493.0</b>	<b>339,895</b>	1,643.3
32' 6	3' 0	99.53%	502,142	11,956	1,900,814	1,900.81	<b>1,870.75</b>	181.98	16.94	21.71	<b>40,614.0</b>	<b>340,439</b>	1,085.3
32' 7	2' 11	99.67%	502,835	11,972	1,903,436	1,903.44	<b>1,873.33</b>	181.98	16.93	21.73	<b>40,707.5</b>	<b>340,909</b>	671.5
32' 8	2' 10	99.79%	503,417	11,986	1,905,640	1,905.64	<b>1,875.50</b>	181.98	16.92	21.75	<b>40,792.1</b>	<b>341,303</b>	378.9
32' 9	2' 9	99.88%	503,888	11,997	1,907,423	1,907.42	<b>1,877.26</b>	181.98	16.91	21.76	<b>40,849.2</b>	<b>341,624</b>	186.6
32' 10	2' 8	99.95%	504,248	12,006	1,908,788	1,908.79	<b>1,878.60</b>	181.98	16.90	21.77	<b>40,897.1</b>	<b>341,868</b>	73.8
32' 11	2' 7	100.00%	504,499	12,012	1,909,735	1,909.73	<b>1,879.53</b>	181.98	16.89	21.78	<b>40,936.2</b>	<b>342,037</b>	19.2

Tank		Oil #4 PORT											
Specific Gravity		1											
Trim		0											
Capacity		11,974 BBL											
Label(s)		Oil#4.p											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
0' 1	35' 5	0	1703	41	6447	6	6	243	7	5	35	1546	1482
0' 2	35' 4	0	2631	63	9959	10	10	243	9	6	54	2385	2829
0' 3	35' 3	0	3758	89	14224	14	14	243	11	6	78	3407	4816
0' 4	35' 2	0	5035	120	19060	19	19	243	12	6	105	4565	5551
0' 5	35' 1	0	6321	151	23928	24	24	243	13	6	133	5730	5551
0' 6	35' 0	0	7607	181	28796	29	28	243	14	6	162	6896	5551
0' 7	34' 11	0	8893	212	33665	34	33	243	14	6	190	8061	5551
0' 8	34' 10	0	10179	242	38533	39	38	243	15	6	220	9227	5551
0' 9	34' 9	0	11465	273	43401	43	43	243	15	6	249	10392	5551
0' 10	34' 8	0	12751	304	48269	48	48	243	15	6	279	11560	5551
0' 11	34' 7	0	14037	334	53137	53	52	243	15	6	310	12726	5551
1' 0	34' 6	0	15323	365	58006	58	57	243	16	6	341	13891	5551
1' 1	34' 5	0	16610	395	62874	63	62	243	16	6	372	15057	5551
1' 2	34' 4	0	17896	426	67742	68	67	243	16	6	404	16222	5551
1' 3	34' 3	0	19182	457	72610	73	71	243	16	6	436	17388	5551
1' 4	34' 2	0	20468	487	77478	77	76	243	16	6	468	18553	5551
1' 5	34' 1	0	21754	518	82347	82	81	243	16	6	501	19719	5551
1' 6	34' 0	0	23040	549	87215	87	86	243	16	6	534	20887	5551
1' 7	33' 11	0	24326	579	92083	92	91	243	16	6	568	22052	5551
1' 8	33' 10	0	25612	610	96951	97	95	243	16	6	602	23218	5551
1' 9	33' 9	0	26898	640	101820	102	100	243	16	6	636	24383	5551
1' 10	33' 8	0	28184	671	106688	107	105	243	16	6	671	25549	5551
1' 11	33' 7	0	29470	702	111556	112	110	243	16	6	706	26714	5551
2' 0	33' 6	0	30756	732	116424	116	115	243	16	6	742	27880	5551
2' 1	33' 5	0	32042	763	121292	121	119	243	16	7	778	29045	5551
2' 2	33' 4	0	33328	794	126161	126	124	243	16	7	815	30213	5551
2' 3	33' 3	0	34614	824	131029	131	129	243	16	7	851	31379	5551
2' 4	33' 2	0	35900	855	135897	136	134	243	16	7	888	32544	5551
2' 5	33' 1	0	37186	885	140765	141	139	243	16	7	927	33710	5551
2' 6	33' 0	0	38472	916	145633	146	143	243	16	7	965	34875	5551
2' 7	32' 11	0	39758	947	150502	151	148	243	16	7	1003	36041	5551
2' 8	32' 10	0	41044	977	155370	155	153	243	16	7	1041	37206	5551
2' 9	32' 9	0	42330	1008	160238	160	158	243	16	7	1080	38372	5551

Tank		Oil #4 PORT											
Specific Gravity		1											
Trim		0											
Capacity		11,974 BBL											
Label(s)		Oil#4.p											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
2' 10	32' 8	0	43616	1038	165106	165	162	243	16	7	1121	39537	5551
2' 11	32' 7	0	44902	1069	169974	170	167	243	17	7	1161	40705	5551
3' 0	32' 6	0	46189	1100	174843	175	172	243	17	7	1201	41871	5551
3' 1	32' 5	9.44%	47,475	1,130	179,711	179.71	176.87	243.32	16.53	7.02	1,241.6	43,036	5,550.9
3' 2	32' 4	9.70%	48,761	1,161	184,579	184.58	181.66	243.32	16.54	7.06	1,282.5	44,202	5,550.9
3' 3	32' 3	9.95%	50,047	1,192	189,447	189.45	186.45	243.32	16.56	7.10	1,323.8	45,367	5,550.9
3' 4	32' 2	10.21%	51,333	1,222	194,315	194.32	191.24	243.32	16.57	7.15	1,367.4	46,533	5,550.9
3' 5	32' 1	10.46%	52,619	1,253	199,184	199.18	196.03	243.32	16.58	7.19	1,409.5	47,698	5,550.9
3' 6	32' 0	10.72%	53,905	1,283	204,052	204.05	200.82	243.32	16.59	7.23	1,451.9	48,864	5,550.9
3' 7	31' 11	10.97%	55,191	1,314	208,920	208.92	205.62	243.32	16.60	7.27	1,494.9	50,031	5,550.9
3' 8	31' 10	11.23%	56,477	1,345	213,788	213.79	210.41	243.32	16.61	7.31	1,538.1	51,197	5,550.9
3' 9	31' 9	11.49%	57,763	1,375	218,656	218.66	215.20	243.32	16.62	7.35	1,581.7	52,362	5,550.9
3' 10	31' 8	11.74%	59,049	1,406	223,525	223.52	219.99	243.32	16.63	7.40	1,627.9	53,528	5,550.9
3' 11	31' 7	12.00%	60,335	1,437	228,393	228.39	224.78	243.32	16.63	7.44	1,672.4	54,693	5,550.9
4' 0	31' 6	12.25%	61,621	1,467	233,261	233.26	229.57	243.32	16.64	7.48	1,717.2	55,859	5,550.9
4' 1	31' 5	12.51%	62,907	1,498	238,129	238.13	234.36	243.32	16.65	7.52	1,762.4	57,024	5,550.9
4' 2	31' 4	12.76%	64,193	1,528	242,997	243.0	239.15	243.32	16.66	7.56	1,808.0	58,190	5,550.9
4' 3	31' 3	13.02%	65,479	1,559	247,866	247.87	243.95	243.32	16.67	7.60	1,854.0	59,358	5,550.9
4' 4	31' 2	13.28%	66,765	1,590	252,734	252.73	248.74	243.32	16.67	7.65	1,902.9	60,523	5,550.9
4' 5	31' 1	13.53%	68,051	1,620	257,602	257.60	253.53	243.32	16.68	7.69	1,949.6	61,689	5,550.9
4' 6	31' 0	13.79%	69,337	1,651	262,470	262.47	258.32	243.32	16.68	7.73	1,996.8	62,854	5,550.9
4' 7	30' 11	14.04%	70,623	1,682	267,338	267.34	263.11	243.32	16.69	7.77	2,044.4	64,020	5,550.9
4' 8	30' 10	14.30%	71,909	1,712	272,207	272.21	267.90	243.32	16.70	7.81	2,092.3	65,185	5,550.9
4' 9	30' 9	14.56%	73,195	1,743	277,075	277.07	272.69	243.32	16.70	7.86	2,143.3	66,351	5,550.9
4' 10	30' 8	14.81%	74,481	1,773	281,943	281.94	277.48	243.32	16.71	7.90	2,192.1	67,516	5,550.9
4' 11	30' 7	15.07%	75,768	1,804	286,811	286.81	282.28	243.32	16.71	7.94	2,241.3	68,684	5,550.9
5' 0	30' 6	15.32%	77,054	1,835	291,680	291.68	287.07	243.32	16.72	7.98	2,290.8	69,850	5,550.9
5' 1	30' 5	15.58%	78,340	1,865	296,548	296.55	291.86	243.32	16.72	8.02	2,340.7	71,015	5,550.9
5' 2	30' 4	15.83%	79,626	1,896	301,416	301.42	296.65	243.32	16.73	8.06	2,391.0	72,181	5,550.9
5' 3	30' 3	16.09%	80,912	1,926	306,284	306.28	301.44	243.32	16.73	8.11	2,444.7	73,346	5,550.9
5' 4	30' 2	16.35%	82,198	1,957	311,152	311.15	306.23	243.32	16.74	8.15	2,495.8	74,512	5,550.9
5' 5	30' 1	16.60%	83,484	1,988	316,021	316.02	311.02	243.32	16.74	8.19	2,547.3	75,677	5,550.9
5' 6	30' 0	16.86%	84,770	2,018	320,889	320.89	315.81	243.32	16.75	8.23	2,599.1	76,843	5,550.9

Tank		Oil #4 PORT												
Specific Gravity		1												
Trim		0												
Capacity		11,974 BBL												
Label(s)		Oil#4.p												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
5' 7	29' 11	17.11%	86,056	2,049	325,757	325.76	<b>320.61</b>	243.32	16.75	8.27	<b>2,651.4</b>	<b>78,011</b>	5,550.9	
5' 8	29' 10	17.37%	87,342	2,080	330,625	330.63	<b>325.40</b>	243.32	16.75	8.31	<b>2,704.1</b>	<b>79,176</b>	5,550.9	
5' 9	29' 9	17.62%	88,628	2,110	335,494	335.49	<b>330.19</b>	243.32	16.76	8.36	<b>2,760.4</b>	<b>80,342</b>	5,550.9	
5' 10	29' 8	17.88%	89,914	2,141	340,362	340.36	<b>334.98</b>	243.32	16.76	8.40	<b>2,813.8</b>	<b>81,507</b>	5,550.9	
5' 11	29' 7	18.14%	91,200	2,171	345,230	345.23	<b>339.77</b>	243.32	16.77	8.44	<b>2,867.7</b>	<b>82,673</b>	5,550.9	
6' 0	29' 6	18.39%	92,486	2,202	350,098	350.10	<b>344.56</b>	243.32	16.77	8.48	<b>2,921.9</b>	<b>83,838</b>	5,550.9	
6' 1	29' 5	18.65%	93,772	2,233	354,966	354.97	<b>349.35</b>	243.32	16.77	8.52	<b>2,976.5</b>	<b>85,004</b>	5,550.9	
6' 2	29' 4	18.90%	95,058	2,263	359,835	359.83	<b>354.14</b>	243.32	16.78	8.56	<b>3,031.4</b>	<b>86,169</b>	5,550.9	
6' 3	29' 3	19.16%	96,344	2,294	364,703	364.70	<b>358.93</b>	243.32	16.78	8.61	<b>3,090.4</b>	<b>87,335</b>	5,550.9	
6' 4	29' 2	19.41%	97,630	2,325	369,571	369.57	<b>363.73</b>	243.32	16.78	8.65	<b>3,146.3</b>	<b>88,503</b>	5,550.9	
6' 5	29' 1	19.67%	98,916	2,355	374,439	374.44	<b>368.52</b>	243.32	16.79	8.69	<b>3,202.4</b>	<b>89,668</b>	5,550.9	
6' 6	29' 0	19.93%	100,202	2,386	379,307	379.31	<b>373.31</b>	243.32	16.79	8.73	<b>3,259.0</b>	<b>90,834</b>	5,550.9	
6' 7	28' 11	20.18%	101,489	2,416	384,176	384.18	<b>378.10</b>	243.32	16.79	8.77	<b>3,315.9</b>	<b>91,999</b>	5,550.9	
6' 8	28' 10	20.44%	102,775	2,447	389,044	389.04	<b>382.89</b>	243.32	16.79	8.81	<b>3,373.3</b>	<b>93,165</b>	5,550.9	
6' 9	28' 9	20.69%	104,061	2,478	393,912	393.91	<b>387.68</b>	243.32	16.80	8.86	<b>3,434.8</b>	<b>94,330</b>	5,550.9	
6' 10	28' 8	20.95%	105,347	2,508	398,780	398.78	<b>392.47</b>	243.32	16.80	8.90	<b>3,493.0</b>	<b>95,496</b>	5,550.9	
6' 11	28' 7	21.20%	106,633	2,539	403,649	403.65	<b>397.26</b>	243.32	16.80	8.94	<b>3,551.5</b>	<b>96,661</b>	5,550.9	
7' 0	28' 6	21.46%	107,919	2,569	408,517	408.52	<b>402.06</b>	243.32	16.80	8.98	<b>3,610.5</b>	<b>97,829</b>	5,550.9	
7' 1	28' 5	21.72%	109,205	2,600	413,385	413.38	<b>406.85</b>	243.32	16.81	9.02	<b>3,669.8</b>	<b>98,995</b>	5,550.9	
7' 2	28' 4	21.97%	110,491	2,631	418,253	418.25	<b>411.64</b>	243.32	16.81	9.06	<b>3,729.5</b>	<b>100,160</b>	5,550.9	
7' 3	28' 3	22.23%	111,777	2,661	423,121	423.12	<b>416.43</b>	243.32	16.81	9.11	<b>3,793.7</b>	<b>101,326</b>	5,550.9	
7' 4	28' 2	22.48%	113,063	2,692	427,990	427.99	<b>421.22</b>	243.32	16.81	9.15	<b>3,854.2</b>	<b>102,491</b>	5,550.9	
7' 5	28' 1	22.74%	114,349	2,723	432,858	432.86	<b>426.01</b>	243.32	16.82	9.19	<b>3,915.0</b>	<b>103,657</b>	5,550.9	
7' 6	28' 0	22.99%	115,635	2,753	437,726	437.73	<b>430.80</b>	243.32	16.82	9.23	<b>3,976.3</b>	<b>104,822</b>	5,550.9	
7' 7	27' 11	23.25%	116,921	2,784	442,594	442.59	<b>435.59</b>	243.32	16.82	9.27	<b>4,037.9</b>	<b>105,988</b>	5,550.9	
7' 8	27' 10	23.51%	118,207	2,814	447,463	447.46	<b>440.39</b>	243.32	16.82	9.31	<b>4,100.0</b>	<b>107,156</b>	5,550.9	
7' 9	27' 9	23.76%	119,493	2,845	452,331	452.33	<b>445.18</b>	243.32	16.83	9.36	<b>4,166.9</b>	<b>108,321</b>	5,550.9	
7' 10	27' 8	24.02%	120,779	2,876	457,199	457.20	<b>449.97</b>	243.32	16.83	9.40	<b>4,229.7</b>	<b>109,487</b>	5,550.9	
7' 11	27' 7	24.27%	122,065	2,906	462,067	462.07	<b>454.76</b>	243.32	16.83	9.44	<b>4,292.9</b>	<b>110,652</b>	5,550.9	
8' 0	27' 6	24.53%	123,351	2,937	466,935	466.94	<b>459.55</b>	243.32	16.83	9.48	<b>4,356.5</b>	<b>111,818</b>	5,550.9	
8' 1	27' 5	24.78%	124,637	2,968	471,804	471.80	<b>464.34</b>	243.32	16.83	9.52	<b>4,420.5</b>	<b>112,983</b>	5,550.9	
8' 2	27' 4	25.04%	125,923	2,998	476,672	476.67	<b>469.13</b>	243.32	16.84	9.56	<b>4,484.9</b>	<b>114,149</b>	5,550.9	
8' 3	27' 3	25.30%	127,209	3,029	481,540	481.54	<b>473.92</b>	243.32	16.84	9.61	<b>4,554.4</b>	<b>115,314</b>	5,550.9	

Tank		Oil #4 PORT												
Specific Gravity		1												
Trim		0												
Capacity		11,974 BBL												
Label(s)		Oil#4.p												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
8' 4	27' 2	25.55%	128,495	3,059	486,408	486.41	<b>478.72</b>	243.32	16.84	9.65	<b>4,619.6</b>	<b>116,482</b>	5,550.9	
8' 5	27' 1	25.81%	129,782	3,090	491,276	491.28	<b>483.51</b>	243.32	16.84	9.69	<b>4,685.2</b>	<b>117,648</b>	5,550.9	
8' 6	27' 0	26.06%	131,068	3,121	496,144	496.14	<b>488.30</b>	243.32	16.84	9.73	<b>4,751.2</b>	<b>118,813</b>	5,550.9	
8' 7	26' 11	26.32%	132,354	3,151	501,012	501.01	<b>493.09</b>	243.32	16.84	9.77	<b>4,817.5</b>	<b>119,979</b>	5,550.9	
8' 8	26' 10	26.57%	133,640	3,182	505,881	505.88	<b>497.88</b>	243.32	16.85	9.81	<b>4,884.2</b>	<b>121,144</b>	5,550.9	
8' 9	26' 9	26.83%	134,926	3,213	510,749	510.75	<b>502.67</b>	243.32	16.85	9.86	<b>4,956.3</b>	<b>122,310</b>	5,550.9	
8' 10	26' 8	27.09%	136,212	3,243	515,617	515.62	<b>507.46</b>	243.32	16.85	9.90	<b>5,023.9</b>	<b>123,475</b>	5,550.9	
8' 11	26' 7	27.34%	137,498	3,274	520,485	520.49	<b>512.25</b>	243.32	16.85	9.94	<b>5,091.8</b>	<b>124,641</b>	5,550.9	
9' 0	26' 6	27.60%	138,784	3,304	525,353	525.35	<b>517.04</b>	243.32	16.85	9.98	<b>5,160.1</b>	<b>125,806</b>	5,550.9	
9' 1	26' 5	27.85%	140,070	3,335	530,222	530.22	<b>521.84</b>	243.32	16.85	10.02	<b>5,228.8</b>	<b>126,974</b>	5,550.9	
9' 2	26' 4	28.11%	141,356	3,366	535,090	535.09	<b>526.63</b>	243.32	16.86	10.06	<b>5,297.9</b>	<b>128,140</b>	5,550.9	
9' 3	26' 3	28.36%	142,642	3,396	539,958	539.96	<b>531.42</b>	243.32	16.86	10.11	<b>5,372.7</b>	<b>129,305</b>	5,550.9	
9' 4	26' 2	28.62%	143,928	3,427	544,826	544.83	<b>536.21</b>	243.32	16.86	10.15	<b>5,442.5</b>	<b>130,471</b>	5,550.9	
9' 5	26' 1	28.88%	145,214	3,457	549,694	549.69	<b>541.0</b>	243.32	16.86	10.19	<b>5,512.8</b>	<b>131,636</b>	5,550.9	
9' 6	26' 0	29.13%	146,500	3,488	554,563	554.56	<b>545.79</b>	243.32	16.86	10.23	<b>5,583.4</b>	<b>132,802</b>	5,550.9	
9' 7	25' 11	29.39%	147,786	3,519	559,431	559.43	<b>550.58</b>	243.32	16.86	10.27	<b>5,654.5</b>	<b>133,967</b>	5,550.9	
9' 8	25' 10	29.64%	149,072	3,549	564,299	564.30	<b>555.37</b>	243.32	16.86	10.31	<b>5,725.9</b>	<b>135,133</b>	5,550.9	
9' 9	25' 9	29.90%	150,358	3,580	569,167	569.17	<b>560.17</b>	243.32	16.87	10.36	<b>5,803.4</b>	<b>136,301</b>	5,550.9	
9' 10	25' 8	30.15%	151,644	3,611	574,035	574.04	<b>564.96</b>	243.32	16.87	10.40	<b>5,875.6</b>	<b>137,466</b>	5,550.9	
9' 11	25' 7	30.41%	152,930	3,641	578,904	578.90	<b>569.75</b>	243.32	16.87	10.44	<b>5,948.2</b>	<b>138,632</b>	5,550.9	
10' 0	25' 6	30.67%	154,216	3,672	583,772	583.77	<b>574.54</b>	243.32	16.87	10.48	<b>6,021.2</b>	<b>139,797</b>	5,550.9	
10' 1	25' 5	30.92%	155,502	3,702	588,640	588.64	<b>579.33</b>	243.32	16.87	10.52	<b>6,094.6</b>	<b>140,963</b>	5,550.9	
10' 2	25' 4	31.18%	156,788	3,733	593,508	593.51	<b>584.12</b>	243.32	16.87	10.56	<b>6,168.3</b>	<b>142,128</b>	5,550.9	
10' 3	25' 3	31.43%	158,074	3,764	598,376	598.38	<b>588.91</b>	243.32	16.87	10.61	<b>6,248.3</b>	<b>143,294</b>	5,550.9	
10' 4	25' 2	31.69%	159,360	3,794	603,245	603.24	<b>593.70</b>	243.32	16.87	10.65	<b>6,322.9</b>	<b>144,459</b>	5,550.9	
10' 5	25' 1	31.94%	160,646	3,825	608,113	608.11	<b>598.50</b>	243.32	16.88	10.69	<b>6,398.0</b>	<b>145,627</b>	5,550.9	
10' 6	25' 0	32.20%	161,932	3,856	612,981	612.98	<b>603.29</b>	243.32	16.88	10.73	<b>6,473.3</b>	<b>146,793</b>	5,550.9	
10' 7	24' 11	32.46%	163,219	3,886	617,849	617.85	<b>608.08</b>	243.32	16.88	10.77	<b>6,549.0</b>	<b>147,958</b>	5,550.9	
10' 8	24' 10	32.71%	164,505	3,917	622,717	622.72	<b>612.87</b>	243.32	16.88	10.81	<b>6,625.1</b>	<b>149,124</b>	5,550.9	
10' 9	24' 9	32.97%	165,791	3,947	627,586	627.59	<b>617.66</b>	243.32	16.88	10.86	<b>6,707.8</b>	<b>150,289</b>	5,550.9	
10' 10	24' 8	33.22%	167,077	3,978	632,454	632.45	<b>622.45</b>	243.32	16.88	10.90	<b>6,784.7</b>	<b>151,455</b>	5,550.9	
10' 11	24' 7	33.48%	168,363	4,009	637,322	637.32	<b>627.24</b>	243.32	16.88	10.94	<b>6,862.0</b>	<b>152,620</b>	5,550.9	
11' 0	24' 6	33.73%	169,649	4,039	642,190	642.19	<b>632.03</b>	243.32	16.88	10.98	<b>6,939.7</b>	<b>153,786</b>	5,550.9	

Tank		Oil #4 PORT												
Specific Gravity		1												
Trim		0												
Capacity		11,974 BBL												
Label(s)		Oil#4.p												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
11' 1	24' 5	33.99%	170,935	4,070	647,058	647.06	<b>636.82</b>	243.32	16.88	11.02	<b>7,017.8</b>	<b>154,951</b>	5,550.9	
11' 2	24' 4	34.25%	172,221	4,100	651,926	651.93	<b>641.62</b>	243.32	16.89	11.06	<b>7,096.3</b>	<b>156,119</b>	5,550.9	
11' 3	24' 3	34.50%	173,507	4,131	656,795	656.79	<b>646.41</b>	243.32	16.89	11.11	<b>7,181.6</b>	<b>157,284</b>	5,550.9	
11' 4	24' 2	34.76%	174,793	4,162	661,663	661.66	<b>651.20</b>	243.32	16.89	11.15	<b>7,260.9</b>	<b>158,450</b>	5,550.9	
11' 5	24' 1	35.01%	176,079	4,192	666,531	666.53	<b>655.99</b>	243.32	16.89	11.19	<b>7,340.5</b>	<b>159,615</b>	5,550.9	
11' 6	24' 0	35.27%	177,365	4,223	671,399	671.40	<b>660.78</b>	243.32	16.89	11.23	<b>7,420.6</b>	<b>160,781</b>	5,550.9	
11' 7	23' 11	35.53%	178,651	4,254	676,268	676.27	<b>665.57</b>	243.32	16.89	11.27	<b>7,501.0</b>	<b>161,946</b>	5,550.9	
11' 8	23' 10	35.78%	179,937	4,284	681,136	681.14	<b>670.36</b>	243.32	16.89	11.31	<b>7,581.8</b>	<b>163,112</b>	5,550.9	
11' 9	23' 9	36.04%	181,223	4,315	686,004	686.0	<b>675.15</b>	243.32	16.89	11.36	<b>7,669.7</b>	<b>164,277</b>	5,550.9	
11' 10	23' 8	36.29%	182,509	4,345	690,872	690.87	<b>679.95</b>	243.32	16.89	11.40	<b>7,751.4</b>	<b>165,445</b>	5,550.9	
11' 11	23' 7	36.55%	183,795	4,376	695,740	695.74	<b>684.74</b>	243.32	16.89	11.44	<b>7,833.4</b>	<b>166,611</b>	5,550.9	
12' 0	23' 6	36.80%	185,081	4,407	700,609	700.61	<b>689.53</b>	243.32	16.89	11.48	<b>7,915.8</b>	<b>167,776</b>	5,550.9	
12' 1	23' 5	37.06%	186,367	4,437	705,476	705.48	<b>694.32</b>	243.32	16.90	11.52	<b>7,998.6</b>	<b>168,942</b>	5,550.9	
12' 2	23' 4	37.32%	187,653	4,468	710,345	710.34	<b>699.11</b>	243.32	16.90	11.56	<b>8,081.7</b>	<b>170,107</b>	5,550.9	
12' 3	23' 3	37.57%	188,939	4,499	715,213	715.21	<b>703.90</b>	243.32	16.90	11.61	<b>8,172.3</b>	<b>171,273</b>	5,550.9	
12' 4	23' 2	37.83%	190,225	4,529	720,081	720.08	<b>708.69</b>	243.32	16.90	11.65	<b>8,256.2</b>	<b>172,438</b>	5,550.9	
12' 5	23' 1	38.08%	191,511	4,560	724,950	724.95	<b>713.48</b>	243.32	16.90	11.69	<b>8,340.6</b>	<b>173,604</b>	5,550.9	
12' 6	23' 0	38.34%	192,797	4,590	729,818	729.82	<b>718.27</b>	243.32	16.90	11.73	<b>8,425.3</b>	<b>174,769</b>	5,550.9	
12' 7	22' 11	38.59%	194,083	4,621	734,686	734.69	<b>723.07</b>	243.32	16.90	11.77	<b>8,510.5</b>	<b>175,937</b>	5,550.9	
12' 8	22' 10	38.85%	195,369	4,652	739,554	739.55	<b>727.86</b>	243.32	16.90	11.81	<b>8,596.0</b>	<b>177,103</b>	5,550.9	
12' 9	22' 9	39.11%	196,656	4,682	744,422	744.42	<b>732.65</b>	243.32	16.90	11.86	<b>8,689.2</b>	<b>178,268</b>	5,550.9	
12' 10	22' 8	39.36%	197,942	4,713	749,290	749.29	<b>737.44</b>	243.32	16.90	11.90	<b>8,775.5</b>	<b>179,434</b>	5,550.9	
12' 11	22' 7	39.62%	199,228	4,744	754,159	754.16	<b>742.23</b>	243.32	16.90	11.94	<b>8,862.2</b>	<b>180,599</b>	5,550.9	
13' 0	22' 6	39.87%	200,514	4,774	759,027	759.03	<b>747.02</b>	243.32	16.90	11.98	<b>8,949.3</b>	<b>181,765</b>	5,550.9	
13' 1	22' 5	40.13%	201,800	4,805	763,895	763.89	<b>751.81</b>	243.32	16.90	12.02	<b>9,036.8</b>	<b>182,930</b>	5,550.9	
13' 2	22' 4	40.38%	203,086	4,835	768,763	768.76	<b>756.60</b>	243.32	16.91	12.06	<b>9,124.6</b>	<b>184,096</b>	5,550.9	
13' 3	22' 3	40.64%	204,372	4,866	773,631	773.63	<b>761.40</b>	243.32	16.91	12.11	<b>9,220.6</b>	<b>185,264</b>	5,550.9	
13' 4	22' 2	40.90%	205,658	4,897	778,499	778.50	<b>766.19</b>	243.32	16.91	12.15	<b>9,309.2</b>	<b>186,429</b>	5,550.9	
13' 5	22' 1	41.15%	206,944	4,927	783,367	783.37	<b>770.98</b>	243.32	16.91	12.19	<b>9,398.2</b>	<b>187,595</b>	5,550.9	
13' 6	22' 0	41.41%	208,230	4,958	788,236	788.24	<b>775.77</b>	243.32	16.91	12.23	<b>9,487.7</b>	<b>188,760</b>	5,550.9	
13' 7	21' 11	41.66%	209,516	4,988	793,104	793.10	<b>780.56</b>	243.32	16.91	12.27	<b>9,577.5</b>	<b>189,926</b>	5,550.9	
13' 8	21' 10	41.92%	210,802	5,019	797,972	797.97	<b>785.35</b>	243.32	16.91	12.32	<b>9,675.5</b>	<b>191,091</b>	5,550.9	
13' 9	21' 9	42.17%	212,088	5,050	802,840	802.84	<b>790.14</b>	243.32	16.91	12.36	<b>9,766.1</b>	<b>192,257</b>	5,550.9	

Tank		Oil #4 PORT												
Specific Gravity		1												
Trim		0												
Capacity		11,974 BBL												
Label(s)		Oil#4.p												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
13' 10	21' 8	42.43%	213,374	5,080	807,708	807.71	<b>794.93</b>	243.32	16.91	12.40	<b>9,857.1</b>	<b>193,422</b>	5,550.9	
13' 11	21' 7	42.69%	214,660	5,111	812,577	812.58	<b>799.73</b>	243.32	16.91	12.44	<b>9,948.6</b>	<b>194,590</b>	5,550.9	
14' 0	21' 6	42.94%	215,946	5,142	817,445	817.44	<b>804.52</b>	243.32	16.91	12.48	<b>10,040.4</b>	<b>195,756</b>	5,550.9	
14' 1	21' 5	43.20%	217,232	5,172	822,313	822.31	<b>809.31</b>	243.32	16.91	12.52	<b>10,132.6</b>	<b>196,921</b>	5,550.9	
14' 2	21' 4	43.45%	218,518	5,203	827,181	827.18	<b>814.10</b>	243.32	16.91	12.57	<b>10,233.2</b>	<b>198,087</b>	5,550.9	
14' 3	21' 3	43.71%	219,804	5,233	832,049	832.05	<b>818.89</b>	243.32	16.91	12.61	<b>10,326.2</b>	<b>199,252</b>	5,550.9	
14' 4	21' 2	43.96%	221,090	5,264	836,917	836.92	<b>823.68</b>	243.32	16.92	12.65	<b>10,419.6</b>	<b>200,418</b>	5,550.9	
14' 5	21' 1	44.22%	222,376	5,295	841,785	841.79	<b>828.47</b>	243.32	16.92	12.69	<b>10,513.3</b>	<b>201,583</b>	5,550.9	
14' 6	21' 0	44.48%	223,662	5,325	846,654	846.65	<b>833.26</b>	243.32	16.92	12.73	<b>10,607.4</b>	<b>202,749</b>	5,550.9	
14' 7	20' 11	44.73%	224,948	5,356	851,522	851.52	<b>838.05</b>	243.32	16.92	12.77	<b>10,701.9</b>	<b>203,914</b>	5,550.9	
14' 8	20' 10	44.99%	226,234	5,387	856,390	856.39	<b>842.85</b>	243.32	16.92	12.82	<b>10,805.3</b>	<b>205,082</b>	5,550.9	
14' 9	20' 9	45.24%	227,521	5,417	861,259	861.26	<b>847.64</b>	243.32	16.92	12.86	<b>10,900.7</b>	<b>206,248</b>	5,550.9	
14' 10	20' 8	45.50%	228,807	5,448	866,127	866.13	<b>852.43</b>	243.32	16.92	12.90	<b>10,996.3</b>	<b>207,413</b>	5,550.9	
14' 11	20' 7	45.75%	230,093	5,478	870,995	870.99	<b>857.22</b>	243.32	16.92	12.94	<b>11,092.4</b>	<b>208,579</b>	5,550.9	
15' 0	20' 6	46.01%	231,379	5,509	875,863	875.86	<b>862.01</b>	243.32	16.92	12.98	<b>11,188.9</b>	<b>209,744</b>	5,550.9	
15' 1	20' 5	46.27%	232,665	5,540	880,731	880.73	<b>866.80</b>	243.32	16.92	13.02	<b>11,285.7</b>	<b>210,910</b>	5,550.9	
15' 2	20' 4	46.52%	233,951	5,570	885,599	885.60	<b>871.59</b>	243.32	16.92	13.07	<b>11,391.7</b>	<b>212,075</b>	5,550.9	
15' 3	20' 3	46.78%	235,237	5,601	890,467	890.47	<b>876.38</b>	243.32	16.92	13.11	<b>11,489.3</b>	<b>213,241</b>	5,550.9	
15' 4	20' 2	47.03%	236,523	5,631	895,336	895.34	<b>881.18</b>	243.32	16.92	13.15	<b>11,587.5</b>	<b>214,409</b>	5,550.9	
15' 5	20' 1	47.29%	237,809	5,662	900,204	900.20	<b>885.97</b>	243.32	16.92	13.19	<b>11,685.9</b>	<b>215,574</b>	5,550.9	
15' 6	20' 0	47.54%	239,095	5,693	905,072	905.07	<b>890.76</b>	243.32	16.92	13.23	<b>11,784.8</b>	<b>216,740</b>	5,550.9	
15' 7	19' 11	47.80%	240,381	5,723	909,940	909.94	<b>895.55</b>	243.32	16.92	13.27	<b>11,883.9</b>	<b>217,905</b>	5,550.9	
15' 8	19' 10	48.06%	241,667	5,754	914,809	914.81	<b>900.34</b>	243.32	16.92	13.32	<b>11,992.5</b>	<b>219,071</b>	5,550.9	
15' 9	19' 9	48.31%	242,953	5,785	919,677	919.68	<b>905.13</b>	243.32	16.92	13.36	<b>12,092.5</b>	<b>220,236</b>	5,550.9	
15' 10	19' 8	48.57%	244,239	5,815	924,545	924.54	<b>909.92</b>	243.32	16.93	13.40	<b>12,192.9</b>	<b>221,402</b>	5,550.9	
15' 11	19' 7	48.82%	245,525	5,846	929,413	929.41	<b>914.71</b>	243.32	16.93	13.44	<b>12,293.7</b>	<b>222,567</b>	5,550.9	
16' 0	19' 6	49.08%	246,811	5,876	934,281	934.28	<b>919.51</b>	243.32	16.93	13.48	<b>12,395.0</b>	<b>223,735</b>	5,550.9	
16' 1	19' 5	49.33%	248,097	5,907	939,149	939.15	<b>924.30</b>	243.32	16.93	13.52	<b>12,496.5</b>	<b>224,901</b>	5,550.9	
16' 2	19' 4	49.59%	249,383	5,938	944,018	944.02	<b>929.09</b>	243.32	16.93	13.57	<b>12,607.8</b>	<b>226,066</b>	5,550.9	
16' 3	19' 3	49.85%	250,669	5,968	948,886	948.89	<b>933.88</b>	243.32	16.93	13.61	<b>12,710.1</b>	<b>227,232</b>	5,550.9	
16' 4	19' 2	50.10%	251,955	5,999	953,754	953.75	<b>938.67</b>	243.32	16.93	13.65	<b>12,812.8</b>	<b>228,397</b>	5,550.9	
16' 5	19' 1	50.36%	253,241	6,030	958,623	958.62	<b>943.46</b>	243.32	16.93	13.69	<b>12,916.0</b>	<b>229,563</b>	5,550.9	
16' 6	19' 0	50.61%	254,527	6,060	963,491	963.49	<b>948.25</b>	243.32	16.93	13.73	<b>13,019.5</b>	<b>230,728</b>	5,550.9	



Tank		Oil #4 PORT											
Specific Gravity		1											
Trim		0											
Capacity		11,974 BBL											
Label(s)		Oil#4.p											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
16' 7	18' 11	50.87%	255,813	6,091	968,359	968.36	<b>953.04</b>	243.32	16.93	13.77	<b>13,123.4</b>	<b>231,894</b>	5,550.9
16' 8	18' 10	51.12%	257,099	6,121	973,227	973.23	<b>957.84</b>	243.32	16.93	13.82	<b>13,237.3</b>	<b>233,062</b>	5,550.9
16' 9	18' 9	51.38%	258,386	6,152	978,096	978.10	<b>962.63</b>	243.32	16.93	13.86	<b>13,342.1</b>	<b>234,227</b>	5,550.9
16' 10	18' 8	51.64%	259,672	6,183	982,964	982.96	<b>967.42</b>	243.32	16.93	13.90	<b>13,447.1</b>	<b>235,393</b>	5,550.9
16' 11	18' 7	51.89%	260,958	6,213	987,832	987.83	<b>972.21</b>	243.32	16.93	13.94	<b>13,552.6</b>	<b>236,558</b>	5,550.9
17' 0	18' 6	52.15%	262,244	6,244	992,700	992.70	<b>977.0</b>	243.32	16.93	13.98	<b>13,658.5</b>	<b>237,724</b>	5,550.9
17' 1	18' 5	52.40%	263,530	6,275	997,568	997.57	<b>981.79</b>	243.32	16.93	14.02	<b>13,764.7</b>	<b>238,889</b>	5,550.9
17' 2	18' 4	52.66%	264,816	6,305	1,002,437	1,002.44	<b>986.58</b>	243.32	16.93	14.07	<b>13,881.2</b>	<b>240,055</b>	5,550.9
17' 3	18' 3	52.91%	266,102	6,336	1,007,305	1,007.30	<b>991.37</b>	243.32	16.93	14.11	<b>13,988.2</b>	<b>241,220</b>	5,550.9
17' 4	18' 2	53.17%	267,388	6,366	1,012,173	1,012.17	<b>996.17</b>	243.32	16.93	14.15	<b>14,095.8</b>	<b>242,388</b>	5,550.9
17' 5	18' 1	53.43%	268,674	6,397	1,017,041	1,017.04	<b>1,000.96</b>	243.32	16.93	14.19	<b>14,203.6</b>	<b>243,554</b>	5,550.9
17' 6	18' 0	53.68%	269,960	6,428	1,021,910	1,021.91	<b>1,005.75</b>	243.32	16.93	14.23	<b>14,311.8</b>	<b>244,719</b>	5,550.9
17' 7	17' 11	53.94%	271,246	6,458	1,026,778	1,026.78	<b>1,010.54</b>	243.32	16.93	14.27	<b>14,420.4</b>	<b>245,885</b>	5,550.9
17' 8	17' 10	54.19%	272,532	6,489	1,031,646	1,031.65	<b>1,015.33</b>	243.32	16.93	14.32	<b>14,539.5</b>	<b>247,050</b>	5,550.9
17' 9	17' 9	54.45%	273,818	6,519	1,036,514	1,036.51	<b>1,020.12</b>	243.32	16.94	14.36	<b>14,648.9</b>	<b>248,216</b>	5,550.9
17' 10	17' 8	54.70%	275,104	6,550	1,041,383	1,041.38	<b>1,024.91</b>	243.32	16.94	14.40	<b>14,758.7</b>	<b>249,381</b>	5,550.9
17' 11	17' 7	54.96%	276,390	6,581	1,046,251	1,046.25	<b>1,029.70</b>	243.32	16.94	14.44	<b>14,868.9</b>	<b>250,547</b>	5,550.9
18' 0	17' 6	55.22%	277,676	6,611	1,051,119	1,051.12	<b>1,034.49</b>	243.32	16.94	14.48	<b>14,979.4</b>	<b>251,712</b>	5,550.9
18' 1	17' 5	55.47%	278,962	6,642	1,055,988	1,055.99	<b>1,039.29</b>	243.32	16.94	14.52	<b>15,090.5</b>	<b>252,880</b>	5,550.9
18' 2	17' 4	55.73%	280,248	6,673	1,060,856	1,060.86	<b>1,044.08</b>	243.32	16.94	14.57	<b>15,212.2</b>	<b>254,046</b>	5,550.9
18' 3	17' 3	55.98%	281,534	6,703	1,065,724	1,065.72	<b>1,048.87</b>	243.32	16.94	14.61	<b>15,324.0</b>	<b>255,211</b>	5,550.9
18' 4	17' 2	56.24%	282,821	6,734	1,070,592	1,070.59	<b>1,053.66</b>	243.32	16.94	14.65	<b>15,436.1</b>	<b>256,377</b>	5,550.9
18' 5	17' 1	56.50%	284,107	6,764	1,075,460	1,075.46	<b>1,058.45</b>	243.32	16.94	14.69	<b>15,548.6</b>	<b>257,542</b>	5,550.9
18' 6	17' 0	56.75%	285,393	6,795	1,080,329	1,080.33	<b>1,063.24</b>	243.32	16.94	14.73	<b>15,661.5</b>	<b>258,708</b>	5,550.9
18' 7	16' 11	57.01%	286,679	6,826	1,085,197	1,085.20	<b>1,068.03</b>	243.32	16.94	14.77	<b>15,774.8</b>	<b>259,873</b>	5,550.9
18' 8	16' 10	57.26%	287,965	6,856	1,090,065	1,090.06	<b>1,072.83</b>	243.32	16.94	14.82	<b>15,899.3</b>	<b>261,041</b>	5,550.9
18' 9	16' 9	57.52%	289,251	6,887	1,094,933	1,094.93	<b>1,077.62</b>	243.32	16.94	14.86	<b>16,013.4</b>	<b>262,206</b>	5,550.9
18' 10	16' 8	57.77%	290,537	6,918	1,099,801	1,099.80	<b>1,082.41</b>	243.32	16.94	14.90	<b>16,127.9</b>	<b>263,372</b>	5,550.9
18' 11	16' 7	58.03%	291,823	6,948	1,104,669	1,104.67	<b>1,087.20</b>	243.32	16.94	14.94	<b>16,242.8</b>	<b>264,538</b>	5,550.9
19' 0	16' 6	58.29%	293,109	6,979	1,109,538	1,109.54	<b>1,091.99</b>	243.32	16.94	14.98	<b>16,358.0</b>	<b>265,703</b>	5,550.9
19' 1	16' 5	58.54%	294,395	7,009	1,114,406	1,114.41	<b>1,096.78</b>	243.32	16.94	15.02	<b>16,473.6</b>	<b>266,869</b>	5,550.9
19' 2	16' 4	58.80%	295,681	7,040	1,119,274	1,119.27	<b>1,101.57</b>	243.32	16.94	15.07	<b>16,600.7</b>	<b>268,034</b>	5,550.9
19' 3	16' 3	59.05%	296,967	7,071	1,124,143	1,124.14	<b>1,106.36</b>	243.32	16.94	15.11	<b>16,717.1</b>	<b>269,200</b>	5,550.9

Tank		Oil #4 PORT											
Specific Gravity		1											
Trim		0											
Capacity		11,974 BBL											
Label(s)		Oil#4.p											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
19' 4	16' 2	59.31%	298,253	7,101	1,129,011	1,129.01	<b>1,111.16</b>	243.32	16.94	15.15	<b>16,834.1</b>	<b>270,367</b>	5,550.9
19' 5	16' 1	59.56%	299,539	7,132	1,133,879	1,133.88	<b>1,115.95</b>	243.32	16.94	15.19	<b>16,951.3</b>	<b>271,533</b>	5,550.9
19' 6	16' 0	59.82%	300,825	7,163	1,138,747	1,138.75	<b>1,120.74</b>	243.32	16.94	15.23	<b>17,068.9</b>	<b>272,698</b>	5,550.9
19' 7	15' 11	60.08%	302,111	7,193	1,143,616	1,143.62	<b>1,125.53</b>	243.32	16.94	15.27	<b>17,186.8</b>	<b>273,864</b>	5,550.9
19' 8	15' 10	60.33%	303,397	7,224	1,148,484	1,148.48	<b>1,130.32</b>	243.32	16.94	15.32	<b>17,316.5</b>	<b>275,029</b>	5,550.9
19' 9	15' 9	60.59%	304,683	7,254	1,153,352	1,153.35	<b>1,135.11</b>	243.32	16.94	15.36	<b>17,435.3</b>	<b>276,195</b>	5,550.9
19' 10	15' 8	60.84%	305,969	7,285	1,158,220	1,158.22	<b>1,139.90</b>	243.32	16.94	15.40	<b>17,554.5</b>	<b>277,360</b>	5,550.9
19' 11	15' 7	61.10%	307,256	7,316	1,163,089	1,163.09	<b>1,144.69</b>	243.32	16.94	15.44	<b>17,674.0</b>	<b>278,526</b>	5,550.9
20' 0	15' 6	61.35%	308,542	7,346	1,167,957	1,167.96	<b>1,149.48</b>	243.32	16.94	15.48	<b>17,794.0</b>	<b>279,691</b>	5,550.9
20' 1	15' 5	61.61%	309,828	7,377	1,172,825	1,172.83	<b>1,154.28</b>	243.32	16.95	15.52	<b>17,914.4</b>	<b>280,859</b>	5,550.9
20' 2	15' 4	61.87%	311,114	7,407	1,177,693	1,177.69	<b>1,159.07</b>	243.32	16.95	15.57	<b>18,046.7</b>	<b>282,025</b>	5,550.9
20' 3	15' 3	62.12%	312,400	7,438	1,182,562	1,182.56	<b>1,163.86</b>	243.32	16.95	15.61	<b>18,167.9</b>	<b>283,190</b>	5,550.9
20' 4	15' 2	62.38%	313,686	7,469	1,187,430	1,187.43	<b>1,168.65</b>	243.32	16.95	15.65	<b>18,289.4</b>	<b>284,356</b>	5,550.9
20' 5	15' 1	62.63%	314,972	7,499	1,192,298	1,192.30	<b>1,173.44</b>	243.32	16.95	15.69	<b>18,411.3</b>	<b>285,521</b>	5,550.9
20' 6	15' 0	62.89%	316,258	7,530	1,197,166	1,197.17	<b>1,178.23</b>	243.32	16.95	15.73	<b>18,533.6</b>	<b>286,687</b>	5,550.9
20' 7	14' 11	63.14%	317,544	7,561	1,202,034	1,202.03	<b>1,183.02</b>	243.32	16.95	15.77	<b>18,656.2</b>	<b>287,852</b>	5,550.9
20' 8	14' 10	63.40%	318,830	7,591	1,206,902	1,206.90	<b>1,187.82</b>	243.32	16.95	15.82	<b>18,791.3</b>	<b>289,020</b>	5,550.9
20' 9	14' 9	63.66%	320,116	7,622	1,211,771	1,211.77	<b>1,192.61</b>	243.32	16.95	15.86	<b>18,914.8</b>	<b>290,186</b>	5,550.9
20' 10	14' 8	63.91%	321,402	7,652	1,216,639	1,216.64	<b>1,197.40</b>	243.32	16.95	15.90	<b>19,038.7</b>	<b>291,351</b>	5,550.9
20' 11	14' 7	64.17%	322,688	7,683	1,221,507	1,221.51	<b>1,202.19</b>	243.32	16.95	15.94	<b>19,162.9</b>	<b>292,517</b>	5,550.9
21' 0	14' 6	64.42%	323,974	7,714	1,226,376	1,226.38	<b>1,206.98</b>	243.32	16.95	15.98	<b>19,287.5</b>	<b>293,682</b>	5,550.9
21' 1	14' 5	64.68%	325,260	7,744	1,231,244	1,231.24	<b>1,211.77</b>	243.32	16.95	16.02	<b>19,412.6</b>	<b>294,848</b>	5,550.9
21' 2	14' 4	64.93%	326,546	7,775	1,236,112	1,236.11	<b>1,216.56</b>	243.32	16.95	16.07	<b>19,550.1</b>	<b>296,013</b>	5,550.9
21' 3	14' 3	65.19%	327,832	7,806	1,240,980	1,240.98	<b>1,221.35</b>	243.32	16.95	16.11	<b>19,675.9</b>	<b>297,179</b>	5,550.9
21' 4	14' 2	65.45%	329,119	7,836	1,245,849	1,245.85	<b>1,226.15</b>	243.32	16.95	16.15	<b>19,802.3</b>	<b>298,347</b>	5,550.9
21' 5	14' 1	65.70%	330,405	7,867	1,250,717	1,250.72	<b>1,230.94</b>	243.32	16.95	16.19	<b>19,928.9</b>	<b>299,512</b>	5,550.9
21' 6	14' 0	65.96%	331,691	7,897	1,255,585	1,255.59	<b>1,235.73</b>	243.32	16.95	16.23	<b>20,055.9</b>	<b>300,678</b>	5,550.9
21' 7	13' 11	66.21%	332,977	7,928	1,260,454	1,260.45	<b>1,240.52</b>	243.32	16.95	16.27	<b>20,183.3</b>	<b>301,843</b>	5,550.9
21' 8	13' 10	66.47%	334,263	7,959	1,265,322	1,265.32	<b>1,245.31</b>	243.32	16.95	16.32	<b>20,323.5</b>	<b>303,009</b>	5,550.9
21' 9	13' 9	66.72%	335,549	7,989	1,270,190	1,270.19	<b>1,250.10</b>	243.32	16.95	16.36	<b>20,451.6</b>	<b>304,174</b>	5,550.9
21' 10	13' 8	66.98%	336,835	8,020	1,275,058	1,275.06	<b>1,254.89</b>	243.32	16.95	16.40	<b>20,580.2</b>	<b>305,340</b>	5,550.9
21' 11	13' 7	67.24%	338,121	8,050	1,279,926	1,279.93	<b>1,259.68</b>	243.32	16.95	16.44	<b>20,709.1</b>	<b>306,505</b>	5,550.9
22' 0	13' 6	67.49%	339,407	8,081	1,284,795	1,284.79	<b>1,264.47</b>	243.32	16.95	16.48	<b>20,838.5</b>	<b>307,671</b>	5,550.9

Tank		Oil #4 PORT											
Specific Gravity		1											
Trim		0											
Capacity		11,974 BBL											
Label(s)		Oil#4.p											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
22' 1	13' 5	67.75%	340,693	8,112	1,289,663	1,289.66	<b>1,269.27</b>	243.32	16.95	16.52	<b>20,968.3</b>	<b>308,839</b>	5,550.9
22' 2	13' 4	68.00%	341,979	8,142	1,294,531	1,294.53	<b>1,274.06</b>	243.32	16.95	16.57	<b>21,111.2</b>	<b>310,004</b>	5,550.9
22' 3	13' 3	68.26%	343,265	8,173	1,299,399	1,299.40	<b>1,278.85</b>	243.32	16.95	16.61	<b>21,241.7</b>	<b>311,170</b>	5,550.9
22' 4	13' 2	68.51%	344,551	8,204	1,304,267	1,304.27	<b>1,283.64</b>	243.32	16.95	16.65	<b>21,372.6</b>	<b>312,335</b>	5,550.9
22' 5	13' 1	68.77%	345,837	8,234	1,309,136	1,309.14	<b>1,288.43</b>	243.32	16.95	16.69	<b>21,503.9</b>	<b>313,501</b>	5,550.9
22' 6	13' 0	69.03%	347,123	8,265	1,314,004	1,314.0	<b>1,293.22</b>	243.32	16.95	16.73	<b>21,635.6</b>	<b>314,666</b>	5,550.9
22' 7	12' 11	69.28%	348,409	8,295	1,318,872	1,318.87	<b>1,298.01</b>	243.32	16.95	16.77	<b>21,767.6</b>	<b>315,832</b>	5,550.9
22' 8	12' 10	69.54%	349,695	8,326	1,323,740	1,323.74	<b>1,302.81</b>	243.32	16.95	16.82	<b>21,913.3</b>	<b>317,000</b>	5,550.9
22' 9	12' 9	69.79%	350,981	8,357	1,328,609	1,328.61	<b>1,307.60</b>	243.32	16.95	16.86	<b>22,046.1</b>	<b>318,165</b>	5,550.9
22' 10	12' 8	70.05%	352,267	8,387	1,333,477	1,333.48	<b>1,312.39</b>	243.32	16.95	16.90	<b>22,179.4</b>	<b>319,331</b>	5,550.9
22' 11	12' 7	70.30%	353,553	8,418	1,338,345	1,338.35	<b>1,317.18</b>	243.32	16.95	16.94	<b>22,313.0</b>	<b>320,496</b>	5,550.9
23' 0	12' 6	70.56%	354,840	8,449	1,343,214	1,343.21	<b>1,321.97</b>	243.32	16.95	16.98	<b>22,447.1</b>	<b>321,662</b>	5,550.9
23' 1	12' 5	70.82%	356,126	8,479	1,348,082	1,348.08	<b>1,326.76</b>	243.32	16.95	17.02	<b>22,581.5</b>	<b>322,827</b>	5,550.9
23' 2	12' 4	71.07%	357,412	8,510	1,352,950	1,352.95	<b>1,331.55</b>	243.32	16.96	17.07	<b>22,729.6</b>	<b>323,993</b>	5,550.9
23' 3	12' 3	71.33%	358,698	8,540	1,357,818	1,357.82	<b>1,336.34</b>	243.32	16.96	17.11	<b>22,864.8</b>	<b>325,158</b>	5,550.9
23' 4	12' 2	71.58%	359,984	8,571	1,362,687	1,362.69	<b>1,341.14</b>	243.32	16.96	17.15	<b>23,000.6</b>	<b>326,326</b>	5,550.9
23' 5	12' 1	71.84%	361,270	8,602	1,367,555	1,367.55	<b>1,345.93</b>	243.32	16.96	17.19	<b>23,136.5</b>	<b>327,492</b>	5,550.9
23' 6	12' 0	72.09%	362,556	8,632	1,372,423	1,372.42	<b>1,350.72</b>	243.32	16.96	17.23	<b>23,272.9</b>	<b>328,657</b>	5,550.9
23' 7	11' 11	72.35%	363,842	8,663	1,377,291	1,377.29	<b>1,355.51</b>	243.32	16.96	17.27	<b>23,409.7</b>	<b>329,823</b>	5,550.9
23' 8	11' 10	72.61%	365,128	8,694	1,382,159	1,382.16	<b>1,360.30</b>	243.32	16.96	17.32	<b>23,560.4</b>	<b>330,988</b>	5,550.9
23' 9	11' 9	72.86%	366,414	8,724	1,387,027	1,387.03	<b>1,365.09</b>	243.32	16.96	17.36	<b>23,698.0</b>	<b>332,154</b>	5,550.9
23' 10	11' 8	73.12%	367,700	8,755	1,391,896	1,391.90	<b>1,369.88</b>	243.31	16.96	17.40	<b>23,835.9</b>	<b>333,306</b>	5,550.9
23' 11	11' 7	73.37%	368,986	8,785	1,396,764	1,396.76	<b>1,374.67</b>	243.31	16.96	17.44	<b>23,974.2</b>	<b>334,471</b>	5,550.9
24' 0	11' 6	73.63%	370,272	8,816	1,401,632	1,401.63	<b>1,379.46</b>	243.32	16.96	17.48	<b>24,113.0</b>	<b>335,650</b>	5,550.9
24' 1	11' 5	73.88%	371,558	8,847	1,406,501	1,406.50	<b>1,384.26</b>	243.31	16.96	17.52	<b>24,252.2</b>	<b>336,804</b>	5,550.9
24' 2	11' 4	74.14%	372,844	8,877	1,411,369	1,411.37	<b>1,389.05</b>	243.31	16.96	17.57	<b>24,405.6</b>	<b>337,970</b>	5,550.9
24' 3	11' 3	74.40%	374,130	8,908	1,416,237	1,416.24	<b>1,393.84</b>	243.32	16.96	17.61	<b>24,545.5</b>	<b>339,149</b>	5,550.9
24' 4	11' 2	74.65%	375,416	8,938	1,421,105	1,421.11	<b>1,398.63</b>	243.32	16.96	17.65	<b>24,685.8</b>	<b>340,315</b>	5,550.9
24' 5	11' 1	74.91%	376,702	8,969	1,425,974	1,425.97	<b>1,403.42</b>	243.31	16.96	17.69	<b>24,826.5</b>	<b>341,466</b>	5,550.9
24' 6	11' 0	75.16%	377,988	9,000	1,430,842	1,430.84	<b>1,408.21</b>	243.32	16.96	17.73	<b>24,967.6</b>	<b>342,646</b>	5,550.9
24' 7	10' 11	75.42%	379,275	9,030	1,435,710	1,435.71	<b>1,413.0</b>	243.32	16.96	17.77	<b>25,109.0</b>	<b>343,811</b>	5,550.9
24' 8	10' 10	75.68%	380,561	9,061	1,440,578	1,440.58	<b>1,417.80</b>	243.32	16.96	17.82	<b>25,265.2</b>	<b>344,979</b>	5,550.9
24' 9	10' 9	75.93%	381,847	9,092	1,445,447	1,445.45	<b>1,422.59</b>	243.31	16.96	17.86	<b>25,407.5</b>	<b>346,130</b>	5,550.9

Tank		Oil #4 PORT												
Specific Gravity		1												
Trim		0												
Capacity		11,974 BBL												
Label(s)		Oil#4.p												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
24' 10	10' 8	76.19%	383,133	9,122	1,450,315	1,450.32	<b>1,427.38</b>	243.31	16.96	17.90	<b>25,550.1</b>	<b>347,296</b>	5,550.9	
24' 11	10' 7	76.44%	384,419	9,153	1,455,183	1,455.18	<b>1,432.17</b>	243.32	16.96	17.94	<b>25,693.1</b>	<b>348,476</b>	5,550.9	
25' 0	10' 6	76.70%	385,705	9,183	1,460,051	1,460.05	<b>1,436.96</b>	243.32	16.96	17.98	<b>25,836.5</b>	<b>349,641</b>	5,550.9	
25' 1	10' 5	76.95%	386,991	9,214	1,464,920	1,464.92	<b>1,441.75</b>	243.31	16.96	18.02	<b>25,980.3</b>	<b>350,792</b>	5,550.9	
25' 2	10' 4	77.21%	388,277	9,245	1,469,788	1,469.79	<b>1,446.54</b>	243.32	16.96	18.07	<b>26,139.0</b>	<b>351,972</b>	5,550.9	
25' 3	10' 3	77.47%	389,563	9,275	1,474,656	1,474.66	<b>1,451.33</b>	243.31	16.96	18.11	<b>26,283.6</b>	<b>353,123</b>	5,550.9	
25' 4	10' 2	77.72%	390,849	9,306	1,479,524	1,479.52	<b>1,456.13</b>	243.31	16.96	18.15	<b>26,428.8</b>	<b>354,291</b>	5,550.9	
25' 5	10' 1	77.98%	392,135	9,337	1,484,392	1,484.39	<b>1,460.92</b>	243.32	16.96	18.19	<b>26,574.1</b>	<b>355,471</b>	5,550.9	
25' 6	10' 0	78.23%	393,421	9,367	1,489,260	1,489.26	<b>1,465.71</b>	243.32	16.96	18.23	<b>26,719.9</b>	<b>356,637</b>	5,550.9	
25' 7	9' 11	78.49%	394,707	9,398	1,494,129	1,494.13	<b>1,470.50</b>	243.32	16.96	18.27	<b>26,866.0</b>	<b>357,802</b>	5,550.9	
25' 8	9' 10	78.74%	395,993	9,428	1,498,997	1,499.0	<b>1,475.29</b>	243.31	16.96	18.32	<b>27,027.3</b>	<b>358,953</b>	5,550.9	
25' 9	9' 9	79.00%	397,279	9,459	1,503,865	1,503.87	<b>1,480.08</b>	243.32	16.96	18.36	<b>27,174.3</b>	<b>360,133</b>	5,550.9	
25' 10	9' 8	79.26%	398,565	9,490	1,508,734	1,508.73	<b>1,484.87</b>	243.32	16.96	18.40	<b>27,321.6</b>	<b>361,299</b>	5,550.9	
25' 11	9' 7	79.51%	399,851	9,520	1,513,602	1,513.60	<b>1,489.66</b>	243.32	16.96	18.44	<b>27,469.3</b>	<b>362,464</b>	5,550.9	
26' 0	9' 6	79.77%	401,137	9,551	1,518,470	1,518.47	<b>1,494.45</b>	243.32	16.96	18.48	<b>27,617.4</b>	<b>363,630</b>	5,550.9	
26' 1	9' 5	80.02%	402,423	9,582	1,523,338	1,523.34	<b>1,499.25</b>	243.32	16.96	18.52	<b>27,766.1</b>	<b>364,798</b>	5,550.9	
26' 2	9' 4	80.28%	403,710	9,612	1,528,207	1,528.21	<b>1,504.04</b>	243.32	16.96	18.57	<b>27,930.0</b>	<b>365,963</b>	5,550.9	
26' 3	9' 3	80.53%	404,996	9,643	1,533,075	1,533.08	<b>1,508.83</b>	243.31	16.96	18.61	<b>28,079.3</b>	<b>367,113</b>	5,550.9	
26' 4	9' 2	80.79%	406,282	9,673	1,537,943	1,537.94	<b>1,513.62</b>	243.31	16.96	18.65	<b>28,229.0</b>	<b>368,279</b>	5,550.9	
26' 5	9' 1	81.05%	407,568	9,704	1,542,812	1,542.81	<b>1,518.41</b>	243.31	16.96	18.69	<b>28,379.1</b>	<b>369,444</b>	5,550.9	
26' 6	9' 0	81.30%	408,854	9,735	1,547,680	1,547.68	<b>1,523.20</b>	243.32	16.96	18.73	<b>28,529.5</b>	<b>370,625</b>	5,550.9	
26' 7	8' 11	81.56%	410,140	9,765	1,552,548	1,552.55	<b>1,527.99</b>	243.31	16.96	18.77	<b>28,680.4</b>	<b>371,775</b>	5,550.9	
26' 8	8' 10	81.81%	411,426	9,796	1,557,416	1,557.42	<b>1,532.79</b>	243.32	16.96	18.82	<b>28,847.1</b>	<b>372,958</b>	5,550.9	
26' 9	8' 9	82.07%	412,712	9,826	1,562,284	1,562.28	<b>1,537.58</b>	243.31	16.96	18.86	<b>28,998.8</b>	<b>374,109</b>	5,550.9	
26' 10	8' 8	82.32%	413,998	9,857	1,567,153	1,567.15	<b>1,542.37</b>	243.31	16.96	18.90	<b>29,150.8</b>	<b>375,274</b>	5,550.9	
26' 11	8' 7	82.58%	415,284	9,888	1,572,021	1,572.02	<b>1,547.16</b>	243.31	16.96	18.94	<b>29,303.2</b>	<b>376,439</b>	5,550.9	
27' 0	8' 6	82.84%	416,570	9,918	1,576,889	1,576.89	<b>1,551.95</b>	243.32	16.96	18.98	<b>29,456.0</b>	<b>377,620</b>	5,550.9	
27' 1	8' 5	83.09%	417,856	9,949	1,581,757	1,581.76	<b>1,556.74</b>	243.31	16.96	19.02	<b>29,609.2</b>	<b>378,770</b>	5,550.9	
27' 2	8' 4	83.35%	419,142	9,980	1,586,625	1,586.63	<b>1,561.53</b>	243.32	16.96	19.07	<b>29,778.4</b>	<b>379,951</b>	5,550.9	
27' 3	8' 3	83.60%	420,428	10,010	1,591,494	1,591.49	<b>1,566.32</b>	243.31	16.96	19.11	<b>29,932.4</b>	<b>381,101</b>	5,550.9	
27' 4	8' 2	83.86%	421,714	10,041	1,596,362	1,596.36	<b>1,571.11</b>	243.31	16.97	19.15	<b>30,086.8</b>	<b>382,267</b>	5,550.9	
27' 5	8' 1	84.11%	423,000	10,071	1,601,230	1,601.23	<b>1,575.91</b>	243.31	16.97	19.19	<b>30,241.7</b>	<b>383,435</b>	5,550.9	
27' 6	8' 0	84.37%	424,286	10,102	1,606,098	1,606.10	<b>1,580.70</b>	243.31	16.97	19.23	<b>30,396.9</b>	<b>384,600</b>	5,550.9	

Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
27' 7	7' 11	84.63%	425,572	10,133	1,610,967	1,610.97	<b>1,585.49</b>	243.32	16.97	19.27	<b>30,552.4</b>	<b>385,781</b>	5,550.9
27' 8	7' 10	84.88%	426,858	10,163	1,615,835	1,615.83	<b>1,590.28</b>	243.31	16.97	19.32	<b>30,724.2</b>	<b>386,931</b>	5,550.9
27' 9	7' 9	85.14%	428,144	10,194	1,620,703	1,620.70	<b>1,595.07</b>	243.32	16.97	19.36	<b>30,880.6</b>	<b>388,112</b>	5,550.9
27' 10	7' 8	85.39%	429,431	10,225	1,625,572	1,625.57	<b>1,599.86</b>	243.31	16.97	19.40	<b>31,037.3</b>	<b>389,262</b>	5,550.9
27' 11	7' 7	85.65%	430,717	10,255	1,630,440	1,630.44	<b>1,604.65</b>	243.32	16.97	19.44	<b>31,194.4</b>	<b>390,443</b>	5,550.9
28' 0	7' 6	85.90%	432,003	10,286	1,635,308	1,635.31	<b>1,609.44</b>	243.31	16.97	19.48	<b>31,351.9</b>	<b>391,593</b>	5,550.9
28' 1	7' 5	86.16%	433,289	10,316	1,640,176	1,640.18	<b>1,614.24</b>	243.32	16.97	19.52	<b>31,510.0</b>	<b>392,777</b>	5,550.9
28' 2	7' 4	86.42%	434,575	10,347	1,645,044	1,645.04	<b>1,619.03</b>	243.31	16.97	19.57	<b>31,684.4</b>	<b>393,926</b>	5,550.9
28' 3	7' 3	86.67%	435,861	10,378	1,649,912	1,649.91	<b>1,623.82</b>	243.32	16.97	19.61	<b>31,843.1</b>	<b>395,108</b>	5,550.9
28' 4	7' 2	86.93%	437,147	10,408	1,654,781	1,654.78	<b>1,628.61</b>	243.31	16.97	19.65	<b>32,002.2</b>	<b>396,257</b>	5,550.9
28' 5	7' 1	87.18%	438,433	10,439	1,659,649	1,659.65	<b>1,633.40</b>	243.31	16.97	19.69	<b>32,161.6</b>	<b>397,423</b>	5,550.9
28' 6	7' 0	87.44%	439,719	10,469	1,664,517	1,664.52	<b>1,638.19</b>	243.31	16.97	19.73	<b>32,321.5</b>	<b>398,588</b>	5,550.9
28' 7	6' 11	87.69%	441,005	10,500	1,669,386	1,669.39	<b>1,642.98</b>	243.31	16.97	19.77	<b>32,481.7</b>	<b>399,753</b>	5,550.9
28' 8	6' 10	87.95%	442,291	10,531	1,674,254	1,674.25	<b>1,647.77</b>	243.31	16.97	19.82	<b>32,658.8</b>	<b>400,919</b>	5,550.9
28' 9	6' 9	88.21%	443,577	10,561	1,679,122	1,679.12	<b>1,652.57</b>	243.31	16.97	19.86	<b>32,820.0</b>	<b>402,087</b>	5,550.9
28' 10	6' 8	88.46%	444,863	10,592	1,683,990	1,683.99	<b>1,657.36</b>	243.31	16.97	19.90	<b>32,981.5</b>	<b>403,252</b>	5,550.9
28' 11	6' 7	88.72%	446,149	10,623	1,688,858	1,688.86	<b>1,662.15</b>	243.31	16.97	19.94	<b>33,143.3</b>	<b>404,418</b>	5,550.9
29' 0	6' 6	88.97%	447,435	10,653	1,693,726	1,693.73	<b>1,666.94</b>	243.31	16.97	19.98	<b>33,305.5</b>	<b>405,583</b>	5,550.9
29' 1	6' 5	89.23%	448,721	10,684	1,698,595	1,698.60	<b>1,671.73</b>	243.31	16.97	20.02	<b>33,468.0</b>	<b>406,749</b>	5,550.9
29' 2	6' 4	89.48%	450,007	10,714	1,703,463	1,703.46	<b>1,676.52</b>	243.31	16.97	20.07	<b>33,647.8</b>	<b>407,914</b>	5,550.9
29' 3	6' 3	89.74%	451,293	10,745	1,708,331	1,708.33	<b>1,681.31</b>	243.31	16.97	20.11	<b>33,811.1</b>	<b>409,080</b>	5,550.9
29' 4	6' 2	90.00%	452,580	10,776	1,713,200	1,713.20	<b>1,686.11</b>	243.31	16.97	20.15	<b>33,975.1</b>	<b>410,247</b>	5,550.9
29' 5	6' 1	90.25%	453,866	10,806	1,718,068	1,718.07	<b>1,690.90</b>	243.32	16.97	20.19	<b>34,139.3</b>	<b>411,430</b>	5,550.9
29' 6	6' 0	90.51%	455,152	10,837	1,722,936	1,722.94	<b>1,695.69</b>	243.32	16.97	20.23	<b>34,303.8</b>	<b>412,595</b>	5,550.9
29' 7	5' 11	90.76%	456,438	10,868	1,727,805	1,727.80	<b>1,700.48</b>	243.31	16.97	20.27	<b>34,468.7</b>	<b>413,744</b>	5,550.9
29' 8	5' 10	91.02%	457,724	10,898	1,732,673	1,732.67	<b>1,705.27</b>	243.31	16.97	20.32	<b>34,651.1</b>	<b>414,909</b>	5,550.9
29' 9	5' 9	91.27%	459,010	10,929	1,737,541	1,737.54	<b>1,710.06</b>	243.32	16.97	20.36	<b>34,816.8</b>	<b>416,092</b>	5,550.9
29' 10	5' 8	91.53%	460,296	10,959	1,742,409	1,742.41	<b>1,714.85</b>	243.31	16.97	20.40	<b>34,982.9</b>	<b>417,240</b>	5,550.9
29' 11	5' 7	91.79%	461,582	10,990	1,747,278	1,747.28	<b>1,719.64</b>	243.31	16.97	20.44	<b>35,149.4</b>	<b>418,406</b>	5,550.9
30' 0	5' 6	92.04%	462,868	11,021	1,752,145	1,752.15	<b>1,724.43</b>	243.31	16.97	20.48	<b>35,316.3</b>	<b>419,571</b>	5,550.9
30' 1	5' 5	92.30%	464,154	11,051	1,757,014	1,757.01	<b>1,729.22</b>	243.31	16.97	20.52	<b>35,483.6</b>	<b>420,737</b>	5,550.9
30' 2	5' 4	92.55%	465,440	11,082	1,761,882	1,761.88	<b>1,734.02</b>	243.31	16.97	20.57	<b>35,668.8</b>	<b>421,904</b>	5,550.9
30' 3	5' 3	92.81%	466,726	11,113	1,766,750	1,766.75	<b>1,738.81</b>	243.31	16.97	20.61	<b>35,836.9</b>	<b>423,070</b>	5,550.9

Tank		Oil #4 PORT												
Specific Gravity		1												
Trim		0												
Capacity		11,974 BBL												
Label(s)		Oil#4.p												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
30' 4	5' 2	93.06%	468,012	11,143	1,771,619	1,771.62	<b>1,743.60</b>	243.31	16.97	20.65	<b>36,005.3</b>	<b>424,235</b>	5,550.9	
30' 5	5' 1	93.32%	469,298	11,174	1,776,487	1,776.49	<b>1,748.39</b>	243.32	16.97	20.69	<b>36,174.2</b>	<b>425,418</b>	5,550.9	
30' 6	5' 0	93.58%	470,584	11,204	1,781,355	1,781.36	<b>1,753.18</b>	243.31	16.97	20.73	<b>36,343.4</b>	<b>426,566</b>	5,550.9	
30' 7	4' 11	93.83%	471,870	11,235	1,786,223	1,786.22	<b>1,757.97</b>	243.31	16.97	20.77	<b>36,513.0</b>	<b>427,732</b>	5,550.9	
30' 8	4' 10	94.09%	473,156	11,266	1,791,091	1,791.09	<b>1,762.76</b>	243.31	16.97	20.82	<b>36,700.7</b>	<b>428,897</b>	5,550.9	
30' 9	4' 9	94.34%	474,442	11,296	1,795,960	1,795.96	<b>1,767.56</b>	243.31	16.97	20.86	<b>36,871.3</b>	<b>430,065</b>	5,550.9	
30' 10	4' 8	94.60%	475,729	11,327	1,800,828	1,800.83	<b>1,772.35</b>	243.31	16.97	20.90	<b>37,042.1</b>	<b>431,230</b>	5,550.9	
30' 11	4' 7	94.86%	477,015	11,357	1,805,696	1,805.70	<b>1,777.14</b>	243.31	16.97	20.94	<b>37,213.3</b>	<b>432,396</b>	5,550.9	
31' 0	4' 6	95.11%	478,301	11,388	1,810,565	1,810.56	<b>1,781.93</b>	243.31	16.97	20.98	<b>37,384.9</b>	<b>433,561</b>	5,550.9	
31' 1	4' 5	95.37%	479,587	11,419	1,815,433	1,815.43	<b>1,786.72</b>	243.31	16.97	21.02	<b>37,556.9</b>	<b>434,727</b>	5,550.9	
31' 2	4' 4	95.62%	480,873	11,449	1,820,301	1,820.30	<b>1,791.51</b>	243.31	16.97	21.07	<b>37,747.1</b>	<b>435,892</b>	5,550.9	
31' 3	4' 3	95.88%	482,159	11,480	1,825,169	1,825.17	<b>1,796.30</b>	243.31	16.97	21.11	<b>37,919.9</b>	<b>437,058</b>	5,550.9	
31' 4	4' 2	96.13%	483,445	11,511	1,830,038	1,830.04	<b>1,801.09</b>	243.31	16.97	21.15	<b>38,093.1</b>	<b>438,223</b>	5,550.9	
31' 5	4' 1	96.39%	484,731	11,541	1,834,906	1,834.91	<b>1,805.89</b>	243.31	16.97	21.19	<b>38,266.8</b>	<b>439,391</b>	5,550.9	
31' 6	4' 0	96.65%	486,017	11,572	1,839,774	1,839.77	<b>1,810.68</b>	243.31	16.97	21.23	<b>38,440.7</b>	<b>440,557</b>	5,550.9	
31' 7	3' 11	96.90%	487,303	11,602	1,844,642	1,844.64	<b>1,815.47</b>	243.31	16.97	21.27	<b>38,615.0</b>	<b>441,722</b>	5,550.9	
31' 8	3' 10	97.16%	488,589	11,633	1,849,510	1,849.51	<b>1,820.26</b>	243.31	16.97	21.32	<b>38,807.9</b>	<b>442,887</b>	5,550.9	
31' 9	3' 9	97.41%	489,875	11,664	1,854,379	1,854.38	<b>1,825.05</b>	243.31	16.97	21.36	<b>38,983.1</b>	<b>444,053</b>	5,550.9	
31' 10	3' 8	97.67%	491,161	11,694	1,859,247	1,859.25	<b>1,829.84</b>	243.32	16.97	21.40	<b>39,158.6</b>	<b>445,237</b>	5,550.9	
31' 11	3' 7	97.92%	492,447	11,725	1,864,115	1,864.12	<b>1,834.63</b>	243.31	16.97	21.44	<b>39,334.5</b>	<b>446,384</b>	5,550.9	
32' 0	3' 6	98.18%	493,733	11,756	1,868,983	1,868.98	<b>1,839.42</b>	243.31	16.97	21.48	<b>39,510.7</b>	<b>447,549</b>	5,550.9	
32' 1	3' 5	98.44%	495,019	11,786	1,873,852	1,873.85	<b>1,844.21</b>	243.31	16.97	21.52	<b>39,687.4</b>	<b>448,715</b>	5,550.9	
32' 2	3' 4	98.69%	496,291	11,816	1,878,665	1,878.67	<b>1,848.95</b>	243.31	16.97	21.57	<b>39,881.9</b>	<b>449,868</b>	4,852.6	
32' 3	3' 3	98.92%	497,465	11,844	1,883,111	1,883.11	<b>1,853.33</b>	243.31	16.97	21.60	<b>40,031.9</b>	<b>450,934</b>	3,660.3	
32' 4	3' 2	99.13%	498,530	11,870	1,887,139	1,887.14	<b>1,857.29</b>	243.31	16.96	21.64	<b>40,191.8</b>	<b>451,897</b>	2,679.2	
32' 5	3' 1	99.32%	499,483	11,892	1,890,750	1,890.75	<b>1,860.85</b>	243.31	16.96	21.67	<b>40,324.6</b>	<b>452,763</b>	1,892.9	
32' 6	3' 0	99.49%	500,327	11,913	1,893,942	1,893.94	<b>1,863.99</b>	243.31	16.95	21.70	<b>40,448.6</b>	<b>453,527</b>	1,277.7	
32' 7	2' 11	99.64%	501,060	11,930	1,896,717	1,896.72	<b>1,866.72</b>	243.31	16.93	21.72	<b>40,545.2</b>	<b>454,192</b>	812.6	
32' 8	2' 10	99.76%	501,682	11,945	1,899,074	1,899.07	<b>1,869.04</b>	243.31	16.92	21.74	<b>40,632.9</b>	<b>454,756</b>	476.7	
32' 9	2' 9	99.86%	502,194	11,957	1,901,012	1,901.01	<b>1,870.95</b>	243.31	16.91	21.76	<b>40,711.9</b>	<b>455,221</b>	248.8	
32' 10	2' 8	99.94%	502,596	11,967	1,902,533	1,902.53	<b>1,872.44</b>	243.31	16.90	21.77	<b>40,763.0</b>	<b>455,583</b>	108.7	
32' 11	2' 7	100.00%	502,888	11,974	1,903,636	1,903.64	<b>1,873.53</b>	243.31	16.90	21.78	<b>40,805.5</b>	<b>455,849</b>	34.5	

Tank		Oil #4 STBD											
Specific Gravity		1											
Trim		0											
Capacity		11,951 BBL											
Label(s)		Oil#4.s											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
0' 1	35' 5	0	2032	48	7691	8	8	243	8	5	41	1843	1928
0' 2	35' 4	0	3034	72	11484	11	11	243	10	6	62	2750	3502
0' 3	35' 3	0	4234	101	16029	16	16	243	12	6	88	3840	5540
0' 4	35' 2	0	5518	131	20887	21	21	243	13	6	116	5003	5540
0' 5	35' 1	0	6801	162	25745	26	25	243	14	6	144	6166	5540
0' 6	35' 0	0	8085	192	30604	31	30	243	14	6	173	7329	5540
0' 7	34' 11	0	9368	223	35462	35	35	243	15	6	201	8492	5540
0' 8	34' 10	0	10652	254	40320	40	40	243	15	6	231	9655	5540
0' 9	34' 9	0	11935	284	45179	45	44	243	15	6	261	10818	5540
0' 10	34' 8	0	13218	315	50037	50	49	243	15	6	291	11984	5540
0' 11	34' 7	0	14502	345	54895	55	54	243	15	6	321	13147	5540
1' 0	34' 6	0	15785	376	59754	60	59	243	16	6	352	14310	5540
1' 1	34' 5	0	17069	406	64612	65	64	243	16	6	383	15473	5540
1' 2	34' 4	0	18352	437	69471	69	68	243	16	6	415	16636	5540
1' 3	34' 3	0	19636	468	74329	74	73	243	16	6	447	17799	5540
1' 4	34' 2	0	20919	498	79187	79	78	243	16	6	480	18962	5540
1' 5	34' 1	0	22202	529	84046	84	83	243	16	6	513	20127	5540
1' 6	34' 0	0	23486	559	88904	89	88	243	16	6	546	21291	5540
1' 7	33' 11	0	24769	590	93762	94	92	243	16	6	580	22454	5540
1' 8	33' 10	0	26053	620	98621	99	97	243	16	6	613	23617	5540
1' 9	33' 9	0	27336	651	103479	103	102	243	16	6	649	24780	5540
1' 10	33' 8	0	28620	681	108337	108	107	243	16	6	683	25943	5540
1' 11	33' 7	0	29903	712	113196	113	111	243	16	6	719	27108	5540
2' 0	33' 6	0	31187	743	118054	118	116	243	16	6	754	28271	5540
2' 1	33' 5	0	32470	773	122912	123	121	243	16	7	790	29434	5540
2' 2	33' 4	0	33753	804	127771	128	126	243	16	7	827	30597	5540
2' 3	33' 3	0	35037	834	132629	133	131	243	16	7	864	31761	5540
2' 4	33' 2	0	36320	865	137487	137	135	243	16	7	901	32924	5540
2' 5	33' 1	0	37604	895	142346	142	140	243	16	7	939	34087	5540
2' 6	33' 0	0	38887	926	147204	147	145	243	16	7	976	35252	5540
2' 7	32' 11	0	40171	956	152062	152	150	243	16	7	1016	36415	5540
2' 8	32' 10	0	41454	987	156921	157	154	243	16	7	1055	37578	5540
2' 9	32' 9	0	42738	1018	161779	162	159	243	16	7	1094	38741	5540

Tank		Oil #4 STBD											
Specific Gravity		1											
Trim		0											
Capacity		11,951 BBL											
Label(s)		Oil#4.s											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
2' 10	32' 8	0	44021	1048	166638	167	164	243	16	7	1133	39904	5540
2' 11	32' 7	0	45304	1079	171496	171	169	243	17	7	1173	41068	5540
3' 0	32' 6	0	46588	1109	176354	176	174	243	17	7	1213	42233	5540
3' 1	32' 5	9.54%	47,871	1,140	181,213	181.21	178.35	243.32	16.54	7.04	1,255.6	43,396	5,539.7
3' 2	32' 4	9.79%	49,155	1,170	186,071	186.07	183.13	243.32	16.55	7.08	1,296.6	44,559	5,539.7
3' 3	32' 3	10.05%	50,438	1,201	190,929	190.93	187.91	243.32	16.56	7.12	1,337.9	45,722	5,539.7
3' 4	32' 2	10.30%	51,722	1,231	195,788	195.79	192.69	243.32	16.57	7.16	1,379.7	46,885	5,539.7
3' 5	32' 1	10.56%	53,005	1,262	200,646	200.65	197.47	243.32	16.58	7.20	1,421.8	48,048	5,539.7
3' 6	32' 0	10.82%	54,289	1,293	205,504	205.50	202.25	243.32	16.59	7.25	1,466.3	49,211	5,539.7
3' 7	31' 11	11.07%	55,572	1,323	210,363	210.36	207.04	243.32	16.60	7.29	1,509.3	50,377	5,539.7
3' 8	31' 10	11.33%	56,855	1,354	215,221	215.22	211.82	243.32	16.61	7.33	1,552.6	51,540	5,539.7
3' 9	31' 9	11.58%	58,139	1,384	220,079	220.08	216.60	243.32	16.62	7.37	1,596.3	52,703	5,539.7
3' 10	31' 8	11.84%	59,422	1,415	224,938	224.94	221.38	243.32	16.63	7.41	1,640.4	53,866	5,539.7
3' 11	31' 7	12.09%	60,706	1,445	229,796	229.80	226.16	243.32	16.64	7.45	1,684.9	55,029	5,539.7
4' 0	31' 6	12.35%	61,989	1,476	234,654	234.65	230.94	243.32	16.65	7.50	1,732.1	56,192	5,539.7
4' 1	31' 5	12.61%	63,273	1,506	239,513	239.51	235.72	243.32	16.65	7.54	1,777.3	57,355	5,539.7
4' 2	31' 4	12.86%	64,556	1,537	244,371	244.37	240.51	243.32	16.66	7.58	1,823.1	58,521	5,539.7
4' 3	31' 3	13.12%	65,839	1,568	249,229	249.23	245.29	243.32	16.67	7.62	1,869.1	59,684	5,539.7
4' 4	31' 2	13.37%	67,123	1,598	254,088	254.09	250.07	243.32	16.67	7.66	1,915.5	60,847	5,539.7
4' 5	31' 1	13.63%	68,406	1,629	258,946	258.95	254.85	243.32	16.68	7.70	1,962.3	62,010	5,539.7
4' 6	31' 0	13.88%	69,690	1,659	263,805	263.80	259.63	243.32	16.69	7.75	2,012.1	63,173	5,539.7
4' 7	30' 11	14.14%	70,973	1,690	268,663	268.66	264.41	243.32	16.69	7.79	2,059.8	64,336	5,539.7
4' 8	30' 10	14.40%	72,257	1,720	273,521	273.52	269.20	243.32	16.70	7.83	2,107.8	65,502	5,539.7
4' 9	30' 9	14.65%	73,540	1,751	278,380	278.38	273.98	243.32	16.70	7.87	2,156.2	66,665	5,539.7
4' 10	30' 8	14.91%	74,824	1,782	283,238	283.24	278.76	243.32	16.71	7.91	2,205.0	67,828	5,539.7
4' 11	30' 7	15.16%	76,107	1,812	288,096	288.10	283.54	243.32	16.72	7.95	2,254.1	68,991	5,539.7
5' 0	30' 6	15.42%	77,390	1,843	292,955	292.95	288.32	243.32	16.72	8.00	2,306.6	70,154	5,539.7
5' 1	30' 5	15.67%	78,674	1,873	297,813	297.81	293.10	243.32	16.73	8.04	2,356.5	71,317	5,539.7
5' 2	30' 4	15.93%	79,957	1,904	302,671	302.67	297.88	243.32	16.73	8.08	2,406.9	72,480	5,539.7
5' 3	30' 3	16.18%	81,241	1,934	307,530	307.53	302.67	243.32	16.73	8.12	2,457.7	73,646	5,539.7
5' 4	30' 2	16.44%	82,524	1,965	312,388	312.39	307.45	243.32	16.74	8.16	2,508.8	74,809	5,539.7
5' 5	30' 1	16.70%	83,808	1,995	317,247	317.25	312.23	243.32	16.74	8.20	2,560.3	75,972	5,539.7
5' 6	30' 0	16.95%	85,091	2,026	322,105	322.10	317.01	243.32	16.75	8.25	2,615.3	77,135	5,539.7



Tank		Oil #4 STBD											
Specific Gravity		1											
Trim		0											
Capacity		11,951 BBL											
Label(s)		Oil#4.s											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
5' 7	29' 11	17.21%	86,375	2,057	326,963	326.96	<b>321.79</b>	243.32	16.75	8.29	<b>2,667.6</b>	<b>78,298</b>	5,539.7
5' 8	29' 10	17.46%	87,658	2,087	331,822	331.82	<b>326.57</b>	243.32	16.76	8.33	<b>2,720.3</b>	<b>79,461</b>	5,539.7
5' 9	29' 9	17.72%	88,941	2,118	336,680	336.68	<b>331.36</b>	243.32	16.76	8.37	<b>2,773.5</b>	<b>80,627</b>	5,539.7
5' 10	29' 8	17.97%	90,225	2,148	341,538	341.54	<b>336.14</b>	243.32	16.76	8.41	<b>2,826.9</b>	<b>81,790</b>	5,539.7
5' 11	29' 7	18.23%	91,508	2,179	346,397	346.40	<b>340.92</b>	243.32	16.77	8.45	<b>2,880.8</b>	<b>82,953</b>	5,539.7
6' 0	29' 6	18.49%	92,792	2,209	351,255	351.26	<b>345.70</b>	243.32	16.77	8.50	<b>2,938.5</b>	<b>84,116</b>	5,539.7
6' 1	29' 5	18.74%	94,075	2,240	356,113	356.11	<b>350.48</b>	243.32	16.77	8.54	<b>2,993.1</b>	<b>85,279</b>	5,539.7
6' 2	29' 4	19.00%	95,359	2,270	360,972	360.97	<b>355.26</b>	243.32	16.78	8.58	<b>3,048.1</b>	<b>86,442</b>	5,539.7
6' 3	29' 3	19.25%	96,642	2,301	365,830	365.83	<b>360.04</b>	243.32	16.78	8.62	<b>3,103.5</b>	<b>87,605</b>	5,539.7
6' 4	29' 2	19.51%	97,926	2,332	370,689	370.69	<b>364.83</b>	243.32	16.78	8.66	<b>3,159.4</b>	<b>88,770</b>	5,539.7
6' 5	29' 1	19.76%	99,209	2,362	375,547	375.55	<b>369.61</b>	243.32	16.79	8.71	<b>3,219.3</b>	<b>89,934</b>	5,539.7
6' 6	29' 0	20.02%	100,492	2,393	380,405	380.41	<b>374.39</b>	243.32	16.79	8.75	<b>3,275.9</b>	<b>91,097</b>	5,539.7
6' 7	28' 11	20.28%	101,776	2,423	385,264	385.26	<b>379.17</b>	243.32	16.79	8.79	<b>3,332.9</b>	<b>92,260</b>	5,539.7
6' 8	28' 10	20.53%	103,059	2,454	390,122	390.12	<b>383.95</b>	243.32	16.80	8.83	<b>3,390.3</b>	<b>93,423</b>	5,539.7
6' 9	28' 9	20.79%	104,343	2,484	394,980	394.98	<b>388.73</b>	243.32	16.80	8.87	<b>3,448.0</b>	<b>94,586</b>	5,539.7
6' 10	28' 8	21.04%	105,626	2,515	399,839	399.84	<b>393.51</b>	243.32	16.80	8.91	<b>3,506.2</b>	<b>95,749</b>	5,539.7
6' 11	28' 7	21.30%	106,910	2,545	404,697	404.70	<b>398.30</b>	243.32	16.80	8.96	<b>3,568.8</b>	<b>96,914</b>	5,539.7
7' 0	28' 6	21.55%	108,193	2,576	409,555	409.56	<b>403.08</b>	243.32	16.81	9.00	<b>3,627.7</b>	<b>98,077</b>	5,539.7
7' 1	28' 5	21.81%	109,477	2,607	414,414	414.41	<b>407.86</b>	243.32	16.81	9.04	<b>3,687.1</b>	<b>99,240</b>	5,539.7
7' 2	28' 4	22.07%	110,760	2,637	419,272	419.27	<b>412.64</b>	243.32	16.81	9.08	<b>3,746.8</b>	<b>100,404</b>	5,539.7
7' 3	28' 3	22.32%	112,043	2,668	424,130	424.13	<b>417.42</b>	243.32	16.81	9.12	<b>3,806.9</b>	<b>101,567</b>	5,539.7
7' 4	28' 2	22.58%	113,327	2,698	428,989	428.99	<b>422.20</b>	243.32	16.82	9.16	<b>3,867.4</b>	<b>102,730</b>	5,539.7
7' 5	28' 1	22.83%	114,610	2,729	433,847	433.85	<b>426.99</b>	243.32	16.82	9.21	<b>3,932.6</b>	<b>103,895</b>	5,539.7
7' 6	28' 0	23.09%	115,894	2,759	438,706	438.71	<b>431.77</b>	243.32	16.82	9.25	<b>3,993.9</b>	<b>105,058</b>	5,539.7
7' 7	27' 11	23.34%	117,177	2,790	443,564	443.56	<b>436.55</b>	243.32	16.82	9.29	<b>4,055.5</b>	<b>106,221</b>	5,539.7
7' 8	27' 10	23.60%	118,461	2,820	448,422	448.42	<b>441.33</b>	243.32	16.82	9.33	<b>4,117.6</b>	<b>107,384</b>	5,539.7
7' 9	27' 9	23.86%	119,744	2,851	453,281	453.28	<b>446.11</b>	243.32	16.83	9.37	<b>4,180.1</b>	<b>108,547</b>	5,539.7
7' 10	27' 8	24.11%	121,028	2,882	458,139	458.14	<b>450.89</b>	243.32	16.83	9.41	<b>4,242.9</b>	<b>109,711</b>	5,539.7
7' 11	27' 7	24.37%	122,311	2,912	462,998	463.0	<b>455.67</b>	243.32	16.83	9.46	<b>4,310.6</b>	<b>110,874</b>	5,539.7
8' 0	27' 6	24.62%	123,594	2,943	467,856	467.86	<b>460.46</b>	243.32	16.83	9.50	<b>4,374.4</b>	<b>112,039</b>	5,539.7
8' 1	27' 5	24.88%	124,878	2,973	472,714	472.71	<b>465.24</b>	243.32	16.83	9.54	<b>4,438.4</b>	<b>113,202</b>	5,539.7
8' 2	27' 4	25.13%	126,161	3,004	477,572	477.57	<b>470.02</b>	243.32	16.84	9.58	<b>4,502.8</b>	<b>114,365</b>	5,539.7
8' 3	27' 3	25.39%	127,445	3,034	482,431	482.43	<b>474.80</b>	243.32	16.84	9.62	<b>4,567.6</b>	<b>115,528</b>	5,539.7

Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
8' 4	27' 2	25.65%	128,728	3,065	487,289	487.29	<b>479.58</b>	243.32	16.84	9.66	<b>4,632.7</b>	<b>116,691</b>	5,539.7
8' 5	27' 1	25.90%	130,012	3,096	492,147	492.15	<b>484.36</b>	243.32	16.84	9.71	<b>4,703.1</b>	<b>117,854</b>	5,539.7
8' 6	27' 0	26.16%	131,295	3,126	497,006	497.01	<b>489.15</b>	243.32	16.84	9.75	<b>4,769.2</b>	<b>119,020</b>	5,539.7
8' 7	26' 11	26.41%	132,579	3,157	501,864	501.86	<b>493.93</b>	243.32	16.85	9.79	<b>4,835.6</b>	<b>120,183</b>	5,539.7
8' 8	26' 10	26.67%	133,862	3,187	506,722	506.72	<b>498.71</b>	243.32	16.85	9.83	<b>4,902.3</b>	<b>121,346</b>	5,539.7
8' 9	26' 9	26.92%	135,145	3,218	511,581	511.58	<b>503.49</b>	243.32	16.85	9.87	<b>4,969.4</b>	<b>122,509</b>	5,539.7
8' 10	26' 8	27.18%	136,429	3,248	516,439	516.44	<b>508.27</b>	243.32	16.85	9.91	<b>5,037.0</b>	<b>123,672</b>	5,539.7
8' 11	26' 7	27.44%	137,712	3,279	521,297	521.30	<b>513.05</b>	243.32	16.85	9.96	<b>5,110.0</b>	<b>124,835</b>	5,539.7
9' 0	26' 6	27.69%	138,996	3,309	526,156	526.16	<b>517.83</b>	243.32	16.85	10.00	<b>5,178.3</b>	<b>125,998</b>	5,539.7
9' 1	26' 5	27.95%	140,279	3,340	531,014	531.01	<b>522.62</b>	243.32	16.85	10.04	<b>5,247.1</b>	<b>127,164</b>	5,539.7
9' 2	26' 4	28.20%	141,563	3,371	535,872	535.87	<b>527.40</b>	243.32	16.86	10.08	<b>5,316.2</b>	<b>128,327</b>	5,539.7
9' 3	26' 3	28.46%	142,846	3,401	540,731	540.73	<b>532.18</b>	243.32	16.86	10.12	<b>5,385.7</b>	<b>129,490</b>	5,539.7
9' 4	26' 2	28.71%	144,129	3,432	545,589	545.59	<b>536.96</b>	243.32	16.86	10.16	<b>5,455.5</b>	<b>130,653</b>	5,539.7
9' 5	26' 1	28.97%	145,413	3,462	550,447	550.45	<b>541.74</b>	243.32	16.86	10.21	<b>5,531.2</b>	<b>131,816</b>	5,539.7
9' 6	26' 0	29.23%	146,696	3,493	555,306	555.31	<b>546.52</b>	243.32	16.86	10.25	<b>5,601.8</b>	<b>132,979</b>	5,539.7
9' 7	25' 11	29.48%	147,980	3,523	560,164	560.16	<b>551.30</b>	243.32	16.86	10.29	<b>5,672.9</b>	<b>134,142</b>	5,539.7
9' 8	25' 10	29.74%	149,263	3,554	565,022	565.02	<b>556.09</b>	243.32	16.86	10.33	<b>5,744.4</b>	<b>135,308</b>	5,539.7
9' 9	25' 9	29.99%	150,547	3,584	569,881	569.88	<b>560.87</b>	243.32	16.87	10.37	<b>5,816.2</b>	<b>136,471</b>	5,539.7
9' 10	25' 8	30.25%	151,830	3,615	574,739	574.74	<b>565.65</b>	243.32	16.87	10.41	<b>5,888.4</b>	<b>137,634</b>	5,539.7
9' 11	25' 7	30.50%	153,113	3,646	579,597	579.60	<b>570.43</b>	243.32	16.87	10.46	<b>5,966.7</b>	<b>138,797</b>	5,539.7
10' 0	25' 6	30.76%	154,397	3,676	584,456	584.46	<b>575.21</b>	243.32	16.87	10.50	<b>6,039.7</b>	<b>139,960</b>	5,539.7
10' 1	25' 5	31.01%	155,680	3,707	589,314	589.31	<b>579.99</b>	243.32	16.87	10.54	<b>6,113.1</b>	<b>141,123</b>	5,539.7
10' 2	25' 4	31.27%	156,964	3,737	594,173	594.17	<b>584.78</b>	243.32	16.87	10.58	<b>6,187.0</b>	<b>142,289</b>	5,539.7
10' 3	25' 3	31.53%	158,247	3,768	599,031	599.03	<b>589.56</b>	243.32	16.87	10.62	<b>6,261.1</b>	<b>143,452</b>	5,539.7
10' 4	25' 2	31.78%	159,531	3,798	603,889	603.89	<b>594.34</b>	243.32	16.87	10.66	<b>6,335.7</b>	<b>144,615</b>	5,539.7
10' 5	25' 1	32.04%	160,814	3,829	608,747	608.75	<b>599.12</b>	243.32	16.88	10.71	<b>6,416.6</b>	<b>145,778</b>	5,539.7
10' 6	25' 0	32.29%	162,098	3,859	613,606	613.61	<b>603.90</b>	243.32	16.88	10.75	<b>6,491.9</b>	<b>146,941</b>	5,539.7
10' 7	24' 11	32.55%	163,381	3,890	618,464	618.46	<b>608.68</b>	243.32	16.88	10.79	<b>6,567.7</b>	<b>148,104</b>	5,539.7
10' 8	24' 10	32.80%	164,664	3,921	623,323	623.32	<b>613.46</b>	243.32	16.88	10.83	<b>6,643.8</b>	<b>149,267</b>	5,539.7
10' 9	24' 9	33.06%	165,948	3,951	628,181	628.18	<b>618.25</b>	243.32	16.88	10.87	<b>6,720.4</b>	<b>150,433</b>	5,539.7
10' 10	24' 8	33.32%	167,231	3,982	633,039	633.04	<b>623.03</b>	243.32	16.88	10.91	<b>6,797.3</b>	<b>151,596</b>	5,539.7
10' 11	24' 7	33.57%	168,515	4,012	637,898	637.90	<b>627.81</b>	243.32	16.88	10.96	<b>6,880.8</b>	<b>152,759</b>	5,539.7
11' 0	24' 6	33.83%	169,798	4,043	642,756	642.76	<b>632.59</b>	243.32	16.88	11.00	<b>6,958.5</b>	<b>153,922</b>	5,539.7

Tank		Oil #4 STBD												
Specific Gravity		1												
Trim		0												
Capacity		11,951 BBL												
Label(s)		Oil#4.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
11' 1	24' 5	34.08%	171,082	4,073	647,614	647.61	<b>637.37</b>	243.32	16.88	11.04	<b>7,036.6</b>	<b>155,085</b>	5,539.7	
11' 2	24' 4	34.34%	172,365	4,104	652,473	652.47	<b>642.15</b>	243.32	16.89	11.08	<b>7,115.0</b>	<b>156,248</b>	5,539.7	
11' 3	24' 3	34.59%	173,648	4,134	657,331	657.33	<b>646.93</b>	243.32	16.89	11.12	<b>7,193.9</b>	<b>157,411</b>	5,539.7	
11' 4	24' 2	34.85%	174,932	4,165	662,189	662.19	<b>651.72</b>	243.32	16.89	11.16	<b>7,273.2</b>	<b>158,577</b>	5,539.7	
11' 5	24' 1	35.11%	176,215	4,196	667,047	667.05	<b>656.50</b>	243.32	16.89	11.21	<b>7,359.4</b>	<b>159,740</b>	5,539.7	
11' 6	24' 0	35.36%	177,499	4,226	671,906	671.91	<b>661.28</b>	243.32	16.89	11.25	<b>7,439.4</b>	<b>160,903</b>	5,539.7	
11' 7	23' 11	35.62%	178,782	4,257	676,764	676.76	<b>666.06</b>	243.32	16.89	11.29	<b>7,519.8</b>	<b>162,066</b>	5,539.7	
11' 8	23' 10	35.87%	180,066	4,287	681,622	681.62	<b>670.84</b>	243.32	16.89	11.33	<b>7,600.6</b>	<b>163,229</b>	5,539.7	
11' 9	23' 9	36.13%	181,349	4,318	686,481	686.48	<b>675.62</b>	243.32	16.89	11.37	<b>7,681.8</b>	<b>164,392</b>	5,539.7	
11' 10	23' 8	36.38%	182,633	4,348	691,339	691.34	<b>680.41</b>	243.32	16.89	11.41	<b>7,763.5</b>	<b>165,557</b>	5,539.7	
11' 11	23' 7	36.64%	183,916	4,379	696,197	696.20	<b>685.19</b>	243.32	16.89	11.46	<b>7,852.3</b>	<b>166,720</b>	5,539.7	
12' 0	23' 6	36.90%	185,199	4,410	701,056	701.06	<b>689.97</b>	243.32	16.89	11.50	<b>7,934.7</b>	<b>167,884</b>	5,539.7	
12' 1	23' 5	37.15%	186,483	4,440	705,914	705.91	<b>694.75</b>	243.32	16.90	11.54	<b>8,017.4</b>	<b>169,047</b>	5,539.7	
12' 2	23' 4	37.41%	187,766	4,471	710,772	710.77	<b>699.53</b>	243.32	16.90	11.58	<b>8,100.6</b>	<b>170,210</b>	5,539.7	
12' 3	23' 3	37.66%	189,050	4,501	715,631	715.63	<b>704.31</b>	243.32	16.90	11.62	<b>8,184.1</b>	<b>171,373</b>	5,539.7	
12' 4	23' 2	37.92%	190,333	4,532	720,489	720.49	<b>709.09</b>	243.32	16.90	11.66	<b>8,268.0</b>	<b>172,536</b>	5,539.7	
12' 5	23' 1	38.17%	191,617	4,562	725,347	725.35	<b>713.88</b>	243.32	16.90	11.71	<b>8,359.5</b>	<b>173,701</b>	5,539.7	
12' 6	23' 0	38.43%	192,900	4,593	730,206	730.21	<b>718.66</b>	243.32	16.90	11.75	<b>8,444.3</b>	<b>174,864</b>	5,539.7	
12' 7	22' 11	38.69%	194,183	4,623	735,064	735.06	<b>723.44</b>	243.32	16.90	11.79	<b>8,529.4</b>	<b>176,027</b>	5,539.7	
12' 8	22' 10	38.94%	195,467	4,654	739,922	739.92	<b>728.22</b>	243.32	16.90	11.83	<b>8,614.8</b>	<b>177,190</b>	5,539.7	
12' 9	22' 9	39.20%	196,750	4,685	744,781	744.78	<b>733.0</b>	243.32	16.90	11.87	<b>8,700.7</b>	<b>178,354</b>	5,539.7	
12' 10	22' 8	39.45%	198,034	4,715	749,639	749.64	<b>737.78</b>	243.32	16.90	11.91	<b>8,787.0</b>	<b>179,517</b>	5,539.7	
12' 11	22' 7	39.71%	199,317	4,746	754,497	754.50	<b>742.56</b>	243.32	16.90	11.96	<b>8,881.0</b>	<b>180,680</b>	5,539.7	
13' 0	22' 6	39.96%	200,601	4,776	759,355	759.36	<b>747.35</b>	243.32	16.90	12.00	<b>8,968.2</b>	<b>181,845</b>	5,539.7	
13' 1	22' 5	40.22%	201,884	4,807	764,214	764.21	<b>752.13</b>	243.32	16.91	12.04	<b>9,055.6</b>	<b>183,008</b>	5,539.7	
13' 2	22' 4	40.48%	203,167	4,837	769,072	769.07	<b>756.91</b>	243.32	16.91	12.08	<b>9,143.5</b>	<b>184,171</b>	5,539.7	
13' 3	22' 3	40.73%	204,451	4,868	773,930	773.93	<b>761.69</b>	243.32	16.91	12.12	<b>9,231.7</b>	<b>185,334</b>	5,539.7	
13' 4	22' 2	40.99%	205,734	4,898	778,789	778.79	<b>766.47</b>	243.32	16.91	12.16	<b>9,320.3</b>	<b>186,497</b>	5,539.7	
13' 5	22' 1	41.24%	207,018	4,929	783,647	783.65	<b>771.25</b>	243.32	16.91	12.21	<b>9,417.0</b>	<b>187,661</b>	5,539.7	
13' 6	22' 0	41.50%	208,301	4,960	788,505	788.51	<b>776.03</b>	243.32	16.91	12.25	<b>9,506.4</b>	<b>188,824</b>	5,539.7	
13' 7	21' 11	41.75%	209,585	4,990	793,364	793.36	<b>780.82</b>	243.32	16.91	12.29	<b>9,596.3</b>	<b>189,989</b>	5,539.7	
13' 8	21' 10	42.01%	210,868	5,021	798,223	798.22	<b>785.60</b>	243.32	16.91	12.33	<b>9,686.4</b>	<b>191,152</b>	5,539.7	
13' 9	21' 9	42.27%	212,152	5,051	803,081	803.08	<b>790.38</b>	243.32	16.91	12.37	<b>9,777.0</b>	<b>192,315</b>	5,539.7	

Tank		Oil #4 STBD											
Specific Gravity		1											
Trim		0											
Capacity		11,951 BBL											
Label(s)		Oil#4.s											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
13' 10	21' 8	42.52%	213,435	5,082	807,939	807.94	<b>795.16</b>	243.32	16.91	12.41	<b>9,867.9</b>	<b>193,478</b>	5,539.7
13' 11	21' 7	42.78%	214,718	5,112	812,797	812.80	<b>799.94</b>	243.32	16.91	12.46	<b>9,967.3</b>	<b>194,641</b>	5,539.7
14' 0	21' 6	43.03%	216,002	5,143	817,656	817.66	<b>804.72</b>	243.32	16.91	12.50	<b>10,059.0</b>	<b>195,804</b>	5,539.7
14' 1	21' 5	43.29%	217,285	5,173	822,514	822.51	<b>809.51</b>	243.32	16.91	12.54	<b>10,151.3</b>	<b>196,970</b>	5,539.7
14' 2	21' 4	43.54%	218,569	5,204	827,373	827.37	<b>814.29</b>	243.32	16.91	12.58	<b>10,243.8</b>	<b>198,133</b>	5,539.7
14' 3	21' 3	43.80%	219,852	5,235	832,231	832.23	<b>819.07</b>	243.32	16.91	12.62	<b>10,336.7</b>	<b>199,296</b>	5,539.7
14' 4	21' 2	44.06%	221,136	5,265	837,089	837.09	<b>823.85</b>	243.32	16.92	12.66	<b>10,429.9</b>	<b>200,459</b>	5,539.7
14' 5	21' 1	44.31%	222,419	5,296	841,947	841.95	<b>828.63</b>	243.32	16.92	12.71	<b>10,531.9</b>	<b>201,622</b>	5,539.7
14' 6	21' 0	44.57%	223,702	5,326	846,806	846.81	<b>833.41</b>	243.32	16.92	12.75	<b>10,626.0</b>	<b>202,785</b>	5,539.7
14' 7	20' 11	44.82%	224,986	5,357	851,664	851.66	<b>838.19</b>	243.32	16.92	12.79	<b>10,720.5</b>	<b>203,948</b>	5,539.7
14' 8	20' 10	45.08%	226,269	5,387	856,522	856.52	<b>842.98</b>	243.32	16.92	12.83	<b>10,815.4</b>	<b>205,114</b>	5,539.7
14' 9	20' 9	45.33%	227,553	5,418	861,381	861.38	<b>847.76</b>	243.32	16.92	12.87	<b>10,910.7</b>	<b>206,277</b>	5,539.7
14' 10	20' 8	45.59%	228,836	5,448	866,239	866.24	<b>852.54</b>	243.32	16.92	12.91	<b>11,006.3</b>	<b>207,440</b>	5,539.7
14' 11	20' 7	45.84%	230,120	5,479	871,097	871.10	<b>857.32</b>	243.32	16.92	12.96	<b>11,110.9</b>	<b>208,603</b>	5,539.7
15' 0	20' 6	46.10%	231,403	5,510	875,956	875.96	<b>862.10</b>	243.32	16.92	13.00	<b>11,207.3</b>	<b>209,766</b>	5,539.7
15' 1	20' 5	46.36%	232,686	5,540	880,814	880.81	<b>866.88</b>	243.32	16.92	13.04	<b>11,304.1</b>	<b>210,929</b>	5,539.7
15' 2	20' 4	46.61%	233,970	5,571	885,672	885.67	<b>871.66</b>	243.32	16.92	13.08	<b>11,401.3</b>	<b>212,092</b>	5,539.7
15' 3	20' 3	46.87%	235,253	5,601	890,531	890.53	<b>876.45</b>	243.32	16.92	13.12	<b>11,499.0</b>	<b>213,258</b>	5,539.7
15' 4	20' 2	47.12%	236,537	5,632	895,389	895.39	<b>881.23</b>	243.32	16.92	13.16	<b>11,597.0</b>	<b>214,421</b>	5,539.7
15' 5	20' 1	47.38%	237,820	5,662	900,247	900.25	<b>886.01</b>	243.32	16.92	13.21	<b>11,704.2</b>	<b>215,584</b>	5,539.7
15' 6	20' 0	47.63%	239,104	5,693	905,106	905.11	<b>890.79</b>	243.32	16.92	13.25	<b>11,803.0</b>	<b>216,747</b>	5,539.7
15' 7	19' 11	47.89%	240,387	5,724	909,964	909.96	<b>895.57</b>	243.32	16.92	13.29	<b>11,902.1</b>	<b>217,910</b>	5,539.7
15' 8	19' 10	48.15%	241,671	5,754	914,822	914.82	<b>900.35</b>	243.32	16.92	13.33	<b>12,001.7</b>	<b>219,073</b>	5,539.7
15' 9	19' 9	48.40%	242,954	5,785	919,681	919.68	<b>905.14</b>	243.32	16.92	13.37	<b>12,101.7</b>	<b>220,239</b>	5,539.7
15' 10	19' 8	48.66%	244,237	5,815	924,539	924.54	<b>909.92</b>	243.32	16.93	13.41	<b>12,202.0</b>	<b>221,402</b>	5,539.7
15' 11	19' 7	48.91%	245,521	5,846	929,397	929.40	<b>914.70</b>	243.32	16.93	13.46	<b>12,311.9</b>	<b>222,565</b>	5,539.7
16' 0	19' 6	49.17%	246,804	5,876	934,256	934.26	<b>919.48</b>	243.32	16.93	13.50	<b>12,413.0</b>	<b>223,728</b>	5,539.7
16' 1	19' 5	49.42%	248,088	5,907	939,114	939.11	<b>924.26</b>	243.32	16.93	13.54	<b>12,514.5</b>	<b>224,891</b>	5,539.7
16' 2	19' 4	49.68%	249,371	5,937	943,972	943.97	<b>929.04</b>	243.32	16.93	13.58	<b>12,616.4</b>	<b>226,054</b>	5,539.7
16' 3	19' 3	49.94%	250,655	5,968	948,831	948.83	<b>933.82</b>	243.32	16.93	13.62	<b>12,718.6</b>	<b>227,217</b>	5,539.7
16' 4	19' 2	50.19%	251,938	5,999	953,689	953.69	<b>938.61</b>	243.32	16.93	13.66	<b>12,821.4</b>	<b>228,383</b>	5,539.7
16' 5	19' 1	50.45%	253,222	6,029	958,548	958.55	<b>943.39</b>	243.32	16.93	13.71	<b>12,933.9</b>	<b>229,546</b>	5,539.7
16' 6	19' 0	50.70%	254,505	6,060	963,406	963.41	<b>948.17</b>	243.32	16.93	13.75	<b>13,037.3</b>	<b>230,709</b>	5,539.7

Tank		Oil #4 STBD											
Specific Gravity		1											
Trim		0											
Capacity		11,951 BBL											
Label(s)		Oil#4.s											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
16' 7	18' 11	50.96%	255,789	6,090	968,265	968.26	<b>952.95</b>	243.32	16.93	13.79	<b>13,141.2</b>	<b>231,872</b>	5,539.7
16' 8	18' 10	51.21%	257,072	6,121	973,123	973.12	<b>957.73</b>	243.32	16.93	13.83	<b>13,245.4</b>	<b>233,035</b>	5,539.7
16' 9	18' 9	51.47%	258,355	6,151	977,981	977.98	<b>962.51</b>	243.32	16.93	13.87	<b>13,350.0</b>	<b>234,198</b>	5,539.7
16' 10	18' 8	51.73%	259,639	6,182	982,839	982.84	<b>967.30</b>	243.32	16.93	13.91	<b>13,455.1</b>	<b>235,363</b>	5,539.7
16' 11	18' 7	51.98%	260,922	6,212	987,698	987.70	<b>972.08</b>	243.32	16.93	13.96	<b>13,570.2</b>	<b>236,527</b>	5,539.7
17' 0	18' 6	52.24%	262,206	6,243	992,557	992.56	<b>976.86</b>	243.32	16.93	14.00	<b>13,676.0</b>	<b>237,690</b>	5,539.7
17' 1	18' 5	52.49%	263,489	6,274	997,415	997.41	<b>981.64</b>	243.32	16.93	14.04	<b>13,782.2</b>	<b>238,853</b>	5,539.7
17' 2	18' 4	52.75%	264,773	6,304	1,002,273	1,002.27	<b>986.42</b>	243.32	16.93	14.08	<b>13,888.8</b>	<b>240,016</b>	5,539.7
17' 3	18' 3	53.00%	266,056	6,335	1,007,132	1,007.13	<b>991.20</b>	243.32	16.93	14.12	<b>13,995.7</b>	<b>241,179</b>	5,539.7
17' 4	18' 2	53.26%	267,340	6,365	1,011,990	1,011.99	<b>995.98</b>	243.32	16.93	14.16	<b>14,103.1</b>	<b>242,342</b>	5,539.7
17' 5	18' 1	53.52%	268,623	6,396	1,016,848	1,016.85	<b>1,000.77</b>	243.32	16.93	14.21	<b>14,220.9</b>	<b>243,507</b>	5,539.7
17' 6	18' 0	53.77%	269,906	6,426	1,021,707	1,021.71	<b>1,005.55</b>	243.32	16.93	14.25	<b>14,329.1</b>	<b>244,670</b>	5,539.7
17' 7	17' 11	54.03%	271,190	6,457	1,026,565	1,026.57	<b>1,010.33</b>	243.32	16.93	14.29	<b>14,437.6</b>	<b>245,833</b>	5,539.7
17' 8	17' 10	54.28%	272,473	6,487	1,031,423	1,031.42	<b>1,015.11</b>	243.32	16.94	14.33	<b>14,546.5</b>	<b>246,997</b>	5,539.7
17' 9	17' 9	54.54%	273,757	6,518	1,036,282	1,036.28	<b>1,019.89</b>	243.32	16.94	14.37	<b>14,655.8</b>	<b>248,160</b>	5,539.7
17' 10	17' 8	54.79%	275,040	6,549	1,041,140	1,041.14	<b>1,024.67</b>	243.32	16.94	14.41	<b>14,765.5</b>	<b>249,323</b>	5,539.7
17' 11	17' 7	55.05%	276,324	6,579	1,045,998	1,046.0	<b>1,029.45</b>	243.32	16.94	14.46	<b>14,885.8</b>	<b>250,486</b>	5,539.7
18' 0	17' 6	55.31%	277,607	6,610	1,050,857	1,050.86	<b>1,034.24</b>	243.32	16.94	14.50	<b>14,996.5</b>	<b>251,651</b>	5,539.7
18' 1	17' 5	55.56%	278,891	6,640	1,055,715	1,055.72	<b>1,039.02</b>	243.32	16.94	14.54	<b>15,107.4</b>	<b>252,814</b>	5,539.7
18' 2	17' 4	55.82%	280,174	6,671	1,060,574	1,060.57	<b>1,043.80</b>	243.32	16.94	14.58	<b>15,218.6</b>	<b>253,977</b>	5,539.7
18' 3	17' 3	56.07%	281,457	6,701	1,065,432	1,065.43	<b>1,048.58</b>	243.32	16.94	14.62	<b>15,330.2</b>	<b>255,140</b>	5,539.7
18' 4	17' 2	56.33%	282,741	6,732	1,070,290	1,070.29	<b>1,053.36</b>	243.32	16.94	14.66	<b>15,442.3</b>	<b>256,304</b>	5,539.7
18' 5	17' 1	56.58%	284,024	6,762	1,075,149	1,075.15	<b>1,058.15</b>	243.32	16.94	14.71	<b>15,565.4</b>	<b>257,469</b>	5,539.7
18' 6	17' 0	56.84%	285,308	6,793	1,080,007	1,080.01	<b>1,062.93</b>	243.32	16.94	14.75	<b>15,678.2</b>	<b>258,632</b>	5,539.7
18' 7	16' 11	57.10%	286,591	6,824	1,084,866	1,084.87	<b>1,067.71</b>	243.32	16.94	14.79	<b>15,791.4</b>	<b>259,795</b>	5,539.7
18' 8	16' 10	57.35%	287,875	6,854	1,089,724	1,089.72	<b>1,072.49</b>	243.32	16.94	14.83	<b>15,905.0</b>	<b>260,958</b>	5,539.6
18' 9	16' 9	57.61%	289,158	6,885	1,094,583	1,094.58	<b>1,077.27</b>	243.31	16.94	14.87	<b>16,019.0</b>	<b>262,111</b>	5,539.6
18' 10	16' 8	57.86%	290,442	6,915	1,099,441	1,099.44	<b>1,082.05</b>	243.32	16.94	14.91	<b>16,133.4</b>	<b>263,284</b>	5,539.6
18' 11	16' 7	58.12%	291,725	6,946	1,104,299	1,104.30	<b>1,086.83</b>	243.32	16.94	14.96	<b>16,259.0</b>	<b>264,447</b>	5,539.6
19' 0	16' 6	58.37%	293,008	6,976	1,109,157	1,109.16	<b>1,091.62</b>	243.32	16.94	15.00	<b>16,374.3</b>	<b>265,613</b>	5,539.6
19' 1	16' 5	58.63%	294,292	7,007	1,114,016	1,114.02	<b>1,096.40</b>	243.32	16.94	15.04	<b>16,489.9</b>	<b>266,776</b>	5,539.6
19' 2	16' 4	58.89%	295,575	7,038	1,118,874	1,118.87	<b>1,101.18</b>	243.32	16.94	15.08	<b>16,605.8</b>	<b>267,939</b>	5,539.6
19' 3	16' 3	59.14%	296,859	7,068	1,123,733	1,123.73	<b>1,105.96</b>	243.32	16.94	15.12	<b>16,722.1</b>	<b>269,102</b>	5,539.6

Tank		Oil #4 STBD												
Specific Gravity		1												
Trim		0												
Capacity		11,951 BBL												
Label(s)		Oil#4.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
19' 4	16' 2	59.40%	298,142	7,099	1,128,591	1,128.59	<b>1,110.74</b>	243.32	16.94	15.16	<b>16,838.8</b>	<b>270,265</b>	5,539.6	
19' 5	16' 1	59.65%	299,426	7,129	1,133,449	1,133.45	<b>1,115.52</b>	243.32	16.94	15.21	<b>16,967.1</b>	<b>271,428</b>	5,539.6	
19' 6	16' 0	59.91%	300,709	7,160	1,138,308	1,138.31	<b>1,120.31</b>	243.32	16.94	15.25	<b>17,084.7</b>	<b>272,594</b>	5,539.6	
19' 7	15' 11	60.16%	301,993	7,190	1,143,166	1,143.17	<b>1,125.09</b>	243.32	16.94	15.29	<b>17,202.6</b>	<b>273,757</b>	5,539.6	
19' 8	15' 10	60.42%	303,276	7,221	1,148,025	1,148.02	<b>1,129.87</b>	243.32	16.94	15.33	<b>17,320.9</b>	<b>274,920</b>	5,539.6	
19' 9	15' 9	60.68%	304,559	7,251	1,152,883	1,152.88	<b>1,134.65</b>	243.32	16.94	15.37	<b>17,439.6</b>	<b>276,083</b>	5,539.6	
19' 10	15' 8	60.93%	305,843	7,282	1,157,741	1,157.74	<b>1,139.43</b>	243.32	16.94	15.41	<b>17,558.6</b>	<b>277,246</b>	5,539.6	
19' 11	15' 7	61.19%	307,126	7,313	1,162,600	1,162.60	<b>1,144.21</b>	243.32	16.94	15.46	<b>17,689.5</b>	<b>278,409</b>	5,539.6	
20' 0	15' 6	61.44%	308,410	7,343	1,167,458	1,167.46	<b>1,148.99</b>	243.32	16.94	15.50	<b>17,809.3</b>	<b>279,572</b>	5,539.6	
20' 1	15' 5	61.70%	309,693	7,374	1,172,317	1,172.32	<b>1,153.78</b>	243.32	16.95	15.54	<b>17,929.7</b>	<b>280,738</b>	5,539.6	
20' 2	15' 4	61.95%	310,977	7,404	1,177,175	1,177.17	<b>1,158.56</b>	243.32	16.95	15.58	<b>18,050.4</b>	<b>281,901</b>	5,539.6	
20' 3	15' 3	62.21%	312,260	7,435	1,182,033	1,182.03	<b>1,163.34</b>	243.32	16.95	15.62	<b>18,171.4</b>	<b>283,064</b>	5,539.6	
20' 4	15' 2	62.46%	313,544	7,465	1,186,892	1,186.89	<b>1,168.12</b>	243.32	16.95	15.66	<b>18,292.8</b>	<b>284,227</b>	5,539.6	
20' 5	15' 1	62.72%	314,827	7,496	1,191,750	1,191.75	<b>1,172.90</b>	243.32	16.95	15.71	<b>18,426.3</b>	<b>285,390</b>	5,539.6	
20' 6	15' 0	62.98%	316,111	7,526	1,196,609	1,196.61	<b>1,177.68</b>	243.32	16.95	15.75	<b>18,548.5</b>	<b>286,553</b>	5,539.6	
20' 7	14' 11	63.23%	317,394	7,557	1,201,467	1,201.47	<b>1,182.46</b>	243.32	16.95	15.79	<b>18,671.0</b>	<b>287,716</b>	5,539.6	
20' 8	14' 10	63.49%	318,677	7,588	1,206,325	1,206.33	<b>1,187.25</b>	243.32	16.95	15.83	<b>18,794.2</b>	<b>288,882</b>	5,539.6	
20' 9	14' 9	63.74%	319,961	7,618	1,211,184	1,211.18	<b>1,192.03</b>	243.32	16.95	15.87	<b>18,917.5</b>	<b>290,045</b>	5,539.6	
20' 10	14' 8	64.00%	321,244	7,649	1,216,042	1,216.04	<b>1,196.81</b>	243.32	16.95	15.91	<b>19,041.2</b>	<b>291,208</b>	5,539.6	
20' 11	14' 7	64.25%	322,528	7,679	1,220,901	1,220.90	<b>1,201.59</b>	243.32	16.95	15.96	<b>19,177.4</b>	<b>292,371</b>	5,539.6	
21' 0	14' 6	64.51%	323,811	7,710	1,225,759	1,225.76	<b>1,206.37</b>	243.32	16.95	16.00	<b>19,301.9</b>	<b>293,534</b>	5,539.6	
21' 1	14' 5	64.77%	325,095	7,740	1,230,617	1,230.62	<b>1,211.15</b>	243.32	16.95	16.04	<b>19,426.8</b>	<b>294,697</b>	5,539.6	
21' 2	14' 4	65.02%	326,378	7,771	1,235,476	1,235.48	<b>1,215.94</b>	243.32	16.95	16.08	<b>19,552.3</b>	<b>295,863</b>	5,539.6	
21' 3	14' 3	65.28%	327,662	7,801	1,240,334	1,240.33	<b>1,220.72</b>	243.32	16.95	16.12	<b>19,678.0</b>	<b>297,026</b>	5,539.6	
21' 4	14' 2	65.53%	328,945	7,832	1,245,192	1,245.19	<b>1,225.50</b>	243.32	16.95	16.16	<b>19,804.1</b>	<b>298,189</b>	5,539.6	
21' 5	14' 1	65.79%	330,229	7,863	1,250,051	1,250.05	<b>1,230.28</b>	243.32	16.95	16.21	<b>19,942.8</b>	<b>299,352</b>	5,539.6	
21' 6	14' 0	66.04%	331,512	7,893	1,254,909	1,254.91	<b>1,235.06</b>	243.32	16.95	16.25	<b>20,069.7</b>	<b>300,515</b>	5,539.6	
21' 7	13' 11	66.30%	332,795	7,924	1,259,768	1,259.77	<b>1,239.84</b>	243.32	16.95	16.29	<b>20,197.0</b>	<b>301,678</b>	5,539.6	
21' 8	13' 10	66.56%	334,079	7,954	1,264,626	1,264.63	<b>1,244.63</b>	243.32	16.95	16.33	<b>20,324.8</b>	<b>302,843</b>	5,539.6	
21' 9	13' 9	66.81%	335,362	7,985	1,269,484	1,269.48	<b>1,249.41</b>	243.32	16.95	16.37	<b>20,452.8</b>	<b>304,006</b>	5,539.6	
21' 10	13' 8	67.07%	336,646	8,015	1,274,343	1,274.34	<b>1,254.19</b>	243.31	16.95	16.41	<b>20,581.3</b>	<b>305,157</b>	5,539.6	
21' 11	13' 7	67.32%	337,929	8,046	1,279,201	1,279.20	<b>1,258.97</b>	243.32	16.95	16.46	<b>20,722.6</b>	<b>306,333</b>	5,539.6	
22' 0	13' 6	67.58%	339,213	8,076	1,284,060	1,284.06	<b>1,263.75</b>	243.32	16.95	16.50	<b>20,851.9</b>	<b>307,496</b>	5,539.6	

Tank		Oil #4 STBD											
Specific Gravity		1											
Trim		0											
Capacity		11,951 BBL											
Label(s)		Oil#4.s											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
22' 1	13' 5	67.83%	340,496	8,107	1,288,918	1,288.92	<b>1,268.53</b>	243.32	16.95	16.54	<b>20,981.5</b>	<b>308,659</b>	5,539.6
22' 2	13' 4	68.09%	341,780	8,138	1,293,777	1,293.78	<b>1,273.32</b>	243.32	16.95	16.58	<b>21,111.6</b>	<b>309,824</b>	5,539.7
22' 3	13' 3	68.35%	343,063	8,168	1,298,635	1,298.63	<b>1,278.10</b>	243.32	16.95	16.62	<b>21,242.0</b>	<b>310,987</b>	5,539.7
22' 4	13' 2	68.60%	344,346	8,199	1,303,493	1,303.49	<b>1,282.88</b>	243.32	16.95	16.66	<b>21,372.8</b>	<b>312,150</b>	5,539.7
22' 5	13' 1	68.86%	345,630	8,229	1,308,351	1,308.35	<b>1,287.66</b>	243.32	16.95	16.71	<b>21,516.8</b>	<b>313,313</b>	5,539.7
22' 6	13' 0	69.11%	346,913	8,260	1,313,210	1,313.21	<b>1,292.44</b>	243.32	16.95	16.75	<b>21,648.4</b>	<b>314,477</b>	5,539.7
22' 7	12' 11	69.37%	348,197	8,290	1,318,068	1,318.07	<b>1,297.22</b>	243.32	16.95	16.79	<b>21,780.3</b>	<b>315,640</b>	5,539.7
22' 8	12' 10	69.62%	349,480	8,321	1,322,926	1,322.93	<b>1,302.0</b>	243.31	16.95	16.83	<b>21,912.7</b>	<b>316,790</b>	5,539.7
22' 9	12' 9	69.88%	350,764	8,352	1,327,785	1,327.79	<b>1,306.79</b>	243.32	16.95	16.87	<b>22,045.5</b>	<b>317,968</b>	5,539.7
22' 10	12' 8	70.14%	352,047	8,382	1,332,643	1,332.64	<b>1,311.57</b>	243.32	16.95	16.91	<b>22,178.6</b>	<b>319,131</b>	5,539.7
22' 11	12' 7	70.39%	353,331	8,413	1,337,502	1,337.50	<b>1,316.35</b>	243.32	16.95	16.96	<b>22,325.3</b>	<b>320,294</b>	5,539.7
23' 0	12' 6	70.65%	354,614	8,443	1,342,360	1,342.36	<b>1,321.13</b>	243.32	16.95	17.00	<b>22,459.2</b>	<b>321,457</b>	5,539.7
23' 1	12' 5	70.90%	355,898	8,474	1,347,219	1,347.22	<b>1,325.91</b>	243.32	16.96	17.04	<b>22,593.5</b>	<b>322,620</b>	5,539.7
23' 2	12' 4	71.16%	357,181	8,504	1,352,077	1,352.08	<b>1,330.69</b>	243.31	16.96	17.08	<b>22,728.2</b>	<b>323,770</b>	5,539.7
23' 3	12' 3	71.41%	358,464	8,535	1,356,935	1,356.94	<b>1,335.47</b>	243.32	16.96	17.12	<b>22,863.2</b>	<b>324,947</b>	5,539.7
23' 4	12' 2	71.67%	359,748	8,565	1,361,794	1,361.79	<b>1,340.26</b>	243.32	16.96	17.16	<b>22,998.9</b>	<b>326,112</b>	5,539.7
23' 5	12' 1	71.93%	361,031	8,596	1,366,652	1,366.65	<b>1,345.04</b>	243.32	16.96	17.21	<b>23,148.1</b>	<b>327,275</b>	5,539.7
23' 6	12' 0	72.18%	362,315	8,627	1,371,510	1,371.51	<b>1,349.82</b>	243.32	16.96	17.25	<b>23,284.4</b>	<b>328,438</b>	5,539.7
23' 7	11' 11	72.44%	363,598	8,657	1,376,369	1,376.37	<b>1,354.60</b>	243.32	16.96	17.29	<b>23,421.0</b>	<b>329,601</b>	5,539.6
23' 8	11' 10	72.69%	364,882	8,688	1,381,227	1,381.23	<b>1,359.38</b>	243.31	16.96	17.33	<b>23,558.1</b>	<b>330,751</b>	5,539.6
23' 9	11' 9	72.95%	366,165	8,718	1,386,085	1,386.09	<b>1,364.16</b>	243.32	16.96	17.37	<b>23,695.5</b>	<b>331,927</b>	5,539.6
23' 10	11' 8	73.20%	367,449	8,749	1,390,944	1,390.94	<b>1,368.94</b>	243.31	16.96	17.41	<b>23,833.2</b>	<b>333,077</b>	5,539.6
23' 11	11' 7	73.46%	368,732	8,779	1,395,803	1,395.80	<b>1,373.73</b>	243.31	16.96	17.46	<b>23,985.3</b>	<b>334,242</b>	5,539.6
24' 0	11' 6	73.72%	370,015	8,810	1,400,661	1,400.66	<b>1,378.51</b>	243.32	16.96	17.50	<b>24,123.9</b>	<b>335,419</b>	5,539.6
24' 1	11' 5	73.97%	371,299	8,840	1,405,519	1,405.52	<b>1,383.29</b>	243.32	16.96	17.54	<b>24,262.9</b>	<b>336,582</b>	5,539.6
24' 2	11' 4	74.23%	372,582	8,871	1,410,378	1,410.38	<b>1,388.07</b>	243.32	16.96	17.58	<b>24,402.3</b>	<b>337,745</b>	5,539.6
24' 3	11' 3	74.48%	373,866	8,902	1,415,236	1,415.24	<b>1,392.85</b>	243.31	16.96	17.62	<b>24,542.0</b>	<b>338,894</b>	5,539.6
24' 4	11' 2	74.74%	375,149	8,932	1,420,094	1,420.09	<b>1,397.64</b>	243.32	16.96	17.66	<b>24,682.3</b>	<b>340,074</b>	5,539.6
24' 5	11' 1	74.99%	376,433	8,963	1,424,953	1,424.95	<b>1,402.42</b>	243.31	16.96	17.71	<b>24,836.9</b>	<b>341,223</b>	5,539.6
24' 6	11' 0	75.25%	377,716	8,993	1,429,811	1,429.81	<b>1,407.20</b>	243.32	16.96	17.75	<b>24,977.8</b>	<b>342,400</b>	5,539.6
24' 7	10' 11	75.51%	379,000	9,024	1,434,669	1,434.67	<b>1,411.98</b>	243.32	16.96	17.79	<b>25,119.1</b>	<b>343,563</b>	5,539.6
24' 8	10' 10	75.76%	380,283	9,054	1,439,528	1,439.53	<b>1,416.76</b>	243.32	16.96	17.83	<b>25,260.8</b>	<b>344,726</b>	5,539.6
24' 9	10' 9	76.02%	381,567	9,085	1,444,386	1,444.39	<b>1,421.54</b>	243.31	16.96	17.87	<b>25,402.9</b>	<b>345,875</b>	5,539.6

Tank		Oil #4 STBD											
Specific Gravity		1											
Trim		0											
Capacity		11,951 BBL											
Label(s)		Oil#4.s											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
24' 10	10' 8	76.27%	382,850	9,115	1,449,245	1,449.24	<b>1,426.32</b>	243.31	16.96	17.91	<b>25,545.4</b>	<b>347,038</b>	5,539.6
24' 11	10' 7	76.53%	384,133	9,146	1,454,103	1,454.10	<b>1,431.11</b>	243.32	16.96	17.96	<b>25,702.7</b>	<b>348,218</b>	5,539.6
25' 0	10' 6	76.78%	385,417	9,177	1,458,961	1,458.96	<b>1,435.89</b>	243.32	16.96	18.00	<b>25,846.0</b>	<b>349,381</b>	5,539.6
25' 1	10' 5	77.04%	386,700	9,207	1,463,820	1,463.82	<b>1,440.67</b>	243.31	16.96	18.04	<b>25,989.7</b>	<b>350,529</b>	5,539.6
25' 2	10' 4	77.29%	387,984	9,238	1,468,678	1,468.68	<b>1,445.45</b>	243.32	16.96	18.08	<b>26,133.7</b>	<b>351,707</b>	5,539.6
25' 3	10' 3	77.55%	389,267	9,268	1,473,537	1,473.54	<b>1,450.23</b>	243.32	16.96	18.12	<b>26,278.2</b>	<b>352,870</b>	5,539.6
25' 4	10' 2	77.81%	390,551	9,299	1,478,395	1,478.40	<b>1,455.01</b>	243.31	16.96	18.16	<b>26,423.0</b>	<b>354,018</b>	5,539.6
25' 5	10' 1	78.06%	391,834	9,329	1,483,253	1,483.25	<b>1,459.80</b>	243.32	16.96	18.21	<b>26,568.0</b>	<b>355,199</b>	5,539.6
25' 6	10' 0	78.32%	393,118	9,360	1,488,112	1,488.11	<b>1,464.58</b>	243.32	16.96	18.25	<b>26,713.0</b>	<b>356,362</b>	5,539.6
25' 7	9' 11	78.57%	394,401	9,391	1,492,970	1,492.97	<b>1,469.36</b>	243.32	16.96	18.29	<b>26,858.0</b>	<b>357,525</b>	5,539.6
25' 8	9' 10	78.83%	395,685	9,421	1,497,829	1,497.83	<b>1,474.14</b>	243.31	16.96	18.33	<b>27,003.0</b>	<b>358,688</b>	5,539.6
25' 9	9' 9	79.08%	396,968	9,452	1,502,687	1,502.69	<b>1,478.92</b>	243.32	16.96	18.37	<b>27,148.0</b>	<b>359,851</b>	5,539.6
25' 10	9' 8	79.34%	398,251	9,482	1,507,545	1,507.55	<b>1,483.70</b>	243.31	16.96	18.41	<b>27,293.0</b>	<b>360,999</b>	5,539.6
25' 11	9' 7	79.60%	399,535	9,513	1,512,403	1,512.40	<b>1,488.48</b>	243.31	16.96	18.46	<b>27,438.0</b>	<b>362,162</b>	5,539.6
26' 0	9' 6	79.85%	400,818	9,543	1,517,262	1,517.26	<b>1,493.27</b>	243.31	16.96	18.50	<b>27,583.0</b>	<b>363,328</b>	5,539.6
26' 1	9' 5	80.11%	402,102	9,574	1,522,120	1,522.12	<b>1,498.05</b>	243.31	16.96	18.54	<b>27,728.0</b>	<b>364,491</b>	5,539.6
26' 2	9' 4	80.36%	403,385	9,604	1,526,979	1,526.98	<b>1,502.83</b>	243.31	16.96	18.58	<b>27,873.0</b>	<b>365,654</b>	5,539.6
26' 3	9' 3	80.62%	404,669	9,635	1,531,837	1,531.84	<b>1,507.61</b>	243.31	16.96	18.62	<b>28,018.0</b>	<b>366,817</b>	5,539.6
26' 4	9' 2	80.87%	405,952	9,666	1,536,695	1,536.70	<b>1,512.39</b>	243.31	16.96	18.66	<b>28,163.0</b>	<b>367,980</b>	5,539.6
26' 5	9' 1	81.13%	407,236	9,696	1,541,554	1,541.55	<b>1,517.17</b>	243.31	16.96	18.71	<b>28,308.0</b>	<b>369,143</b>	5,539.6
26' 6	9' 0	81.39%	408,519	9,727	1,546,412	1,546.41	<b>1,521.95</b>	243.31	16.96	18.75	<b>28,453.0</b>	<b>370,306</b>	5,539.6
26' 7	8' 11	81.64%	409,802	9,757	1,551,271	1,551.27	<b>1,526.74</b>	243.31	16.96	18.79	<b>28,598.0</b>	<b>371,471</b>	5,539.6
26' 8	8' 10	81.90%	411,086	9,788	1,556,129	1,556.13	<b>1,531.52</b>	243.32	16.96	18.83	<b>28,743.0</b>	<b>372,649</b>	5,539.6
26' 9	8' 9	82.15%	412,369	9,818	1,560,988	1,560.99	<b>1,536.30</b>	243.31	16.96	18.87	<b>28,888.0</b>	<b>373,817</b>	5,539.6
26' 10	8' 8	82.41%	413,653	9,849	1,565,846	1,565.85	<b>1,541.08</b>	243.32	16.96	18.91	<b>29,033.0</b>	<b>374,976</b>	5,539.6
26' 11	8' 7	82.66%	414,936	9,879	1,570,704	1,570.70	<b>1,545.86</b>	243.31	16.96	18.96	<b>29,178.0</b>	<b>376,123</b>	5,539.6
27' 0	8' 6	82.92%	416,220	9,910	1,575,563	1,575.56	<b>1,550.64</b>	243.32	16.96	19.00	<b>29,323.0</b>	<b>377,302</b>	5,539.6
27' 1	8' 5	83.18%	417,503	9,941	1,580,421	1,580.42	<b>1,555.43</b>	243.31	16.96	19.04	<b>29,468.0</b>	<b>378,452</b>	5,539.6
27' 2	8' 4	83.43%	418,787	9,971	1,585,280	1,585.28	<b>1,560.21</b>	243.31	16.96	19.08	<b>29,613.0</b>	<b>379,615</b>	5,539.6
27' 3	8' 3	83.69%	420,070	10,002	1,590,138	1,590.14	<b>1,564.99</b>	243.31	16.96	19.12	<b>29,758.0</b>	<b>380,778</b>	5,539.6
27' 4	8' 2	83.94%	421,354	10,032	1,594,997	1,595.0	<b>1,569.77</b>	243.31	16.97	19.16	<b>30,003.0</b>	<b>381,941</b>	5,539.6
27' 5	8' 1	84.20%	422,637	10,063	1,599,855	1,599.85	<b>1,574.55</b>	243.32	16.97	19.21	<b>30,248.0</b>	<b>383,120</b>	5,539.6
27' 6	8' 0	84.45%	423,920	10,093	1,604,713	1,604.71	<b>1,579.33</b>	243.31	16.97	19.25	<b>30,493.0</b>	<b>384,267</b>	5,539.6



Tank		Oil #4 STBD											
Specific Gravity		1											
Trim		0											
Capacity		11,951 BBL											
Label(s)		Oil#4.s											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
27' 7	7' 11	84.71%	425,204	10,124	1,609,571	1,609.57	<b>1,584.12</b>	243.31	16.97	19.29	<b>30,557.7</b>	<b>385,432</b>	5,539.6
27' 8	7' 10	84.97%	426,487	10,154	1,614,430	1,614.43	<b>1,588.90</b>	243.32	16.97	19.33	<b>30,713.4</b>	<b>386,611</b>	5,539.6
27' 9	7' 9	85.22%	427,771	10,185	1,619,288	1,619.29	<b>1,593.68</b>	243.32	16.97	19.37	<b>30,869.6</b>	<b>387,774</b>	5,539.6
27' 10	7' 8	85.48%	429,054	10,216	1,624,147	1,624.15	<b>1,598.46</b>	243.31	16.97	19.41	<b>31,026.1</b>	<b>388,921</b>	5,539.6
27' 11	7' 7	85.73%	430,338	10,246	1,629,005	1,629.01	<b>1,603.24</b>	243.31	16.97	19.46	<b>31,199.1</b>	<b>390,084</b>	5,539.6
28' 0	7' 6	85.99%	431,621	10,277	1,633,863	1,633.86	<b>1,608.02</b>	243.32	16.97	19.50	<b>31,356.4</b>	<b>391,263</b>	5,539.6
28' 1	7' 5	86.24%	432,905	10,307	1,638,722	1,638.72	<b>1,612.80</b>	243.32	16.97	19.54	<b>31,514.1</b>	<b>392,426</b>	5,539.6
28' 2	7' 4	86.50%	434,188	10,338	1,643,580	1,643.58	<b>1,617.59</b>	243.31	16.97	19.58	<b>31,672.4</b>	<b>393,576</b>	5,539.6
28' 3	7' 3	86.76%	435,471	10,368	1,648,439	1,648.44	<b>1,622.37</b>	243.31	16.97	19.62	<b>31,830.9</b>	<b>394,739</b>	5,539.6
28' 4	7' 2	87.01%	436,755	10,399	1,653,297	1,653.30	<b>1,627.15</b>	243.31	16.97	19.66	<b>31,989.8</b>	<b>395,902</b>	5,539.6
28' 5	7' 1	87.27%	438,038	10,429	1,658,155	1,658.16	<b>1,631.93</b>	243.31	16.97	19.71	<b>32,165.3</b>	<b>397,065</b>	5,539.6
28' 6	7' 0	87.52%	439,322	10,460	1,663,014	1,663.01	<b>1,636.71</b>	243.31	16.97	19.75	<b>32,325.0</b>	<b>398,228</b>	5,539.6
28' 7	6' 11	87.78%	440,605	10,491	1,667,872	1,667.87	<b>1,641.49</b>	243.31	16.97	19.79	<b>32,485.1</b>	<b>399,391</b>	5,539.6
28' 8	6' 10	88.03%	441,889	10,521	1,672,730	1,672.73	<b>1,646.28</b>	243.31	16.97	19.83	<b>32,645.7</b>	<b>400,556</b>	5,539.6
28' 9	6' 9	88.29%	443,172	10,552	1,677,589	1,677.59	<b>1,651.06</b>	243.31	16.97	19.87	<b>32,806.6</b>	<b>401,719</b>	5,539.6
28' 10	6' 8	88.55%	444,456	10,582	1,682,447	1,682.45	<b>1,655.84</b>	243.32	16.97	19.91	<b>32,967.8</b>	<b>402,899</b>	5,539.6
28' 11	6' 7	88.80%	445,739	10,613	1,687,306	1,687.31	<b>1,660.62</b>	243.31	16.97	19.96	<b>33,146.0</b>	<b>404,045</b>	5,539.6
29' 0	6' 6	89.06%	447,022	10,643	1,692,164	1,692.16	<b>1,665.40</b>	243.31	16.97	20.00	<b>33,308.0</b>	<b>405,208</b>	5,539.6
29' 1	6' 5	89.31%	448,306	10,674	1,697,022	1,697.02	<b>1,670.18</b>	243.31	16.97	20.04	<b>33,470.4</b>	<b>406,371</b>	5,539.6
29' 2	6' 4	89.57%	449,589	10,705	1,701,880	1,701.88	<b>1,674.96</b>	243.32	16.97	20.08	<b>33,633.2</b>	<b>407,551</b>	5,539.6
29' 3	6' 3	89.82%	450,873	10,735	1,706,739	1,706.74	<b>1,679.75</b>	243.31	16.97	20.12	<b>33,796.6</b>	<b>408,700</b>	5,539.6
29' 4	6' 2	90.08%	452,156	10,766	1,711,598	1,711.60	<b>1,684.53</b>	243.31	16.97	20.16	<b>33,960.1</b>	<b>409,863</b>	5,539.6
29' 5	6' 1	90.34%	453,440	10,796	1,716,456	1,716.46	<b>1,689.31</b>	243.31	16.97	20.21	<b>34,141.0</b>	<b>411,026</b>	5,539.6
29' 6	6' 0	90.59%	454,723	10,827	1,721,314	1,721.31	<b>1,694.09</b>	243.31	16.97	20.25	<b>34,305.3</b>	<b>412,189</b>	5,539.6
29' 7	5' 11	90.85%	456,007	10,857	1,726,173	1,726.17	<b>1,698.87</b>	243.31	16.97	20.29	<b>34,470.1</b>	<b>413,352</b>	5,539.6
29' 8	5' 10	91.10%	457,290	10,888	1,731,031	1,731.03	<b>1,703.65</b>	243.31	16.97	20.33	<b>34,635.2</b>	<b>414,515</b>	5,539.6
29' 9	5' 9	91.36%	458,573	10,918	1,735,889	1,735.89	<b>1,708.43</b>	243.31	16.97	20.37	<b>34,800.7</b>	<b>415,678</b>	5,539.6
29' 10	5' 8	91.61%	459,857	10,949	1,740,748	1,740.75	<b>1,713.22</b>	243.31	16.97	20.41	<b>34,966.8</b>	<b>416,844</b>	5,539.6
29' 11	5' 7	91.87%	461,140	10,980	1,745,606	1,745.61	<b>1,718.0</b>	243.31	16.97	20.46	<b>35,150.3</b>	<b>418,007</b>	5,539.6
30' 0	5' 6	92.13%	462,424	11,010	1,750,465	1,750.46	<b>1,722.78</b>	243.31	16.97	20.50	<b>35,317.0</b>	<b>419,170</b>	5,539.6
30' 1	5' 5	92.38%	463,707	11,041	1,755,323	1,755.32	<b>1,727.56</b>	243.31	16.97	20.54	<b>35,484.1</b>	<b>420,333</b>	5,539.6
30' 2	5' 4	92.64%	464,991	11,071	1,760,181	1,760.18	<b>1,732.34</b>	243.31	16.97	20.58	<b>35,651.6</b>	<b>421,496</b>	5,539.6
30' 3	5' 3	92.89%	466,274	11,102	1,765,039	1,765.04	<b>1,737.12</b>	243.32	16.97	20.62	<b>35,819.4</b>	<b>422,676</b>	5,539.6

Tank		Oil #4 STBD											
Specific Gravity		1											
Trim		0											
Capacity		11,951 BBL											
Label(s)		Oil#4.s											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
30' 4	5' 2	93.15%	467,558	11,132	1,769,898	1,769.90	<b>1,741.91</b>	243.31	16.97	20.66	<b>35,987.9</b>	<b>423,824</b>	5,539.6
30' 5	5' 1	93.40%	468,841	11,163	1,774,757	1,774.76	<b>1,746.69</b>	243.31	16.97	20.71	<b>36,173.9</b>	<b>424,987</b>	5,539.6
30' 6	5' 0	93.66%	470,125	11,193	1,779,615	1,779.61	<b>1,751.47</b>	243.31	16.97	20.75	<b>36,343.0</b>	<b>426,150</b>	5,539.6
30' 7	4' 11	93.91%	471,408	11,224	1,784,473	1,784.47	<b>1,756.25</b>	243.31	16.97	20.79	<b>36,512.4</b>	<b>427,313</b>	5,539.6
30' 8	4' 10	94.17%	472,691	11,255	1,789,332	1,789.33	<b>1,761.03</b>	243.31	16.97	20.83	<b>36,682.3</b>	<b>428,476</b>	5,539.6
30' 9	4' 9	94.43%	473,975	11,285	1,794,190	1,794.19	<b>1,765.81</b>	243.31	16.97	20.87	<b>36,852.5</b>	<b>429,639</b>	5,539.6
30' 10	4' 8	94.68%	475,258	11,316	1,799,048	1,799.05	<b>1,770.60</b>	243.31	16.97	20.91	<b>37,023.2</b>	<b>430,805</b>	5,539.6
30' 11	4' 7	94.94%	476,542	11,346	1,803,907	1,803.91	<b>1,775.38</b>	243.31	16.97	20.96	<b>37,212.0</b>	<b>431,968</b>	5,539.6
31' 0	4' 6	95.19%	477,825	11,377	1,808,765	1,808.77	<b>1,780.16</b>	243.31	16.97	21.00	<b>37,383.4</b>	<b>433,131</b>	5,539.6
31' 1	4' 5	95.45%	479,109	11,407	1,813,623	1,813.62	<b>1,784.94</b>	243.31	16.97	21.04	<b>37,555.1</b>	<b>434,294</b>	5,539.6
31' 2	4' 4	95.70%	480,392	11,438	1,818,482	1,818.48	<b>1,789.72</b>	243.31	16.97	21.08	<b>37,727.3</b>	<b>435,457</b>	5,539.6
31' 3	4' 3	95.96%	481,676	11,468	1,823,340	1,823.34	<b>1,794.50</b>	243.31	16.97	21.12	<b>37,899.8</b>	<b>436,620</b>	5,539.6
31' 4	4' 2	96.22%	482,959	11,499	1,828,199	1,828.20	<b>1,799.29</b>	243.31	16.97	21.16	<b>38,073.0</b>	<b>437,785</b>	5,539.6
31' 5	4' 1	96.47%	484,242	11,530	1,833,057	1,833.06	<b>1,804.07</b>	243.31	16.97	21.21	<b>38,264.3</b>	<b>438,948</b>	5,539.6
31' 6	4' 0	96.73%	485,526	11,560	1,837,915	1,837.92	<b>1,808.85</b>	243.31	16.97	21.25	<b>38,438.1</b>	<b>440,111</b>	5,539.6
31' 7	3' 11	96.98%	486,809	11,591	1,842,774	1,842.77	<b>1,813.63</b>	243.31	16.97	21.29	<b>38,612.2</b>	<b>441,274</b>	5,539.6
31' 8	3' 10	97.24%	488,093	11,621	1,847,632	1,847.63	<b>1,818.41</b>	243.31	16.97	21.33	<b>38,786.7</b>	<b>442,437</b>	5,539.6
31' 9	3' 9	97.49%	489,376	11,652	1,852,490	1,852.49	<b>1,823.19</b>	243.31	16.97	21.37	<b>38,961.6</b>	<b>443,600</b>	5,539.6
31' 10	3' 8	97.75%	490,660	11,682	1,857,349	1,857.35	<b>1,827.97</b>	243.31	16.97	21.41	<b>39,136.8</b>	<b>444,763</b>	5,539.6
31' 11	3' 7	98.01%	491,943	11,713	1,862,208	1,862.21	<b>1,832.76</b>	243.31	16.97	21.46	<b>39,331.0</b>	<b>445,929</b>	5,539.6
32' 0	3' 6	98.26%	493,227	11,743	1,867,066	1,867.07	<b>1,837.54</b>	243.31	16.97	21.50	<b>39,507.1</b>	<b>447,092</b>	5,539.6
32' 1	3' 5	98.52%	494,510	11,774	1,871,924	1,871.92	<b>1,842.32</b>	243.31	16.97	21.54	<b>39,683.6</b>	<b>448,255</b>	5,539.6
32' 2	3' 4	98.76%	495,794	11,804	1,876,782	1,876.62	<b>1,846.94</b>	243.31	16.97	21.58	<b>39,857.0</b>	<b>449,379</b>	4,358.6
32' 3	3' 3	98.99%	496,879	11,830	1,880,892	1,880.89	<b>1,851.15</b>	243.31	16.97	21.62	<b>40,021.9</b>	<b>450,403</b>	3,252.8
32' 4	3' 2	99.19%	497,899	11,855	1,884,752	1,884.75	<b>1,854.94</b>	243.31	16.96	21.65	<b>40,159.5</b>	<b>451,325</b>	2,351.6
32' 5	3' 1	99.37%	498,808	11,876	1,888,195	1,888.19	<b>1,858.33</b>	243.31	16.95	21.68	<b>40,288.6</b>	<b>452,150</b>	1,634.4
32' 6	3' 0	99.53%	499,608	11,895	1,891,220	1,891.22	<b>1,861.31</b>	243.31	16.94	21.71	<b>40,409.0</b>	<b>452,875</b>	1,080.0
32' 7	2' 11	99.67%	500,297	11,912	1,893,830	1,893.83	<b>1,863.88</b>	243.31	16.93	21.73	<b>40,502.1</b>	<b>453,501</b>	668.0
32' 8	2' 10	99.79%	500,876	11,926	1,896,021	1,896.02	<b>1,866.04</b>	243.31	16.92	21.75	<b>40,586.4</b>	<b>454,026</b>	376.9
32' 9	2' 9	99.88%	501,345	11,937	1,897,796	1,897.80	<b>1,867.78</b>	243.31	16.91	21.76	<b>40,642.9</b>	<b>454,450</b>	185.6
32' 10	2' 8	99.95%	501,703	11,945	1,899,154	1,899.15	<b>1,869.12</b>	243.31	16.90	21.77	<b>40,690.7</b>	<b>454,776</b>	73.3
32' 11	2' 7	100.00%	501,952	11,951	1,900,095	1,900.10	<b>1,870.04</b>	243.31	16.89	21.78	<b>40,729.5</b>	<b>454,999</b>	19.1

Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
0' 1	35' 5	0	1643	39	6218	6	6	304	7	5	33	1859	1446
0' 2	35' 4	0	2546	61	9639	10	9	304	9	6	52	2884	2741
0' 3	35' 3	0	3648	87	13808	14	14	304	11	6	76	4130	4686
0' 4	35' 2	0	4899	117	18545	19	18	304	12	6	102	5547	5407
0' 5	35' 1	0	6167	147	23343	23	23	304	13	6	130	6984	5442
0' 6	35' 0	0	7440	177	28165	28	28	304	14	6	158	8430	5478
0' 7	34' 11	0	8718	208	33001	33	32	304	14	6	187	9880	5500
0' 8	34' 10	0	9997	238	37842	38	37	304	15	6	216	11330	5512
0' 9	34' 9	0	11277	268	42686	43	42	304	15	6	245	12783	5519
0' 10	34' 8	0	12557	299	47532	48	47	304	15	6	276	14236	5523
0' 11	34' 7	0	13837	329	52379	52	52	304	15	6	306	15689	5526
1' 0	34' 6	0	15118	360	57227	57	56	304	15	6	336	17142	5528
1' 1	34' 5	0	16398	390	62075	62	61	304	16	6	368	18595	5528
1' 2	34' 4	0	17679	421	66923	67	66	304	16	6	399	20048	5529
1' 3	34' 3	0	18960	451	71771	72	71	304	16	6	431	21504	5529
1' 4	34' 2	0	20241	482	76620	77	75	304	16	6	463	22958	5529
1' 5	34' 1	0	21522	512	81468	81	80	304	16	6	496	24411	5529
1' 6	34' 0	0	22802	543	86316	86	85	304	16	6	529	25864	5529
1' 7	33' 11	0	24083	573	91164	91	90	304	16	6	563	27317	5529
1' 8	33' 10	0	25364	604	96012	96	94	304	16	6	596	28770	5529
1' 9	33' 9	0	26645	634	100861	101	99	304	16	6	630	30227	5529
1' 10	33' 8	0	27925	665	105709	106	104	305	16	6	666	31680	5529
1' 11	33' 7	0	29206	695	110557	111	109	305	16	6	701	33133	5529
2' 0	33' 6	0	30487	726	115405	115	114	305	16	6	736	34586	5529
2' 1	33' 5	0	31768	756	120253	120	118	305	16	7	772	36039	5529
2' 2	33' 4	0	33048	787	125102	125	123	305	16	7	808	37493	5529
2' 3	33' 3	0	34329	817	129950	130	128	305	16	7	845	38945	5529
2' 4	33' 2	0	35610	848	134798	135	133	305	16	7	882	40402	5529
2' 5	33' 1	0	36891	878	139646	140	137	305	16	7	919	41855	5529
2' 6	33' 0	0	38171	909	144494	144	142	305	16	7	957	43309	5529
2' 7	32' 11	0	39452	939	149343	149	147	305	16	7	995	44761	5529
2' 8	32' 10	0	40733	970	154191	154	152	305	16	7	1035	46214	5529
2' 9	32' 9	0	42014	1000	159039	159	157	305	16	7	1074	47668	5529

Tank		Oil #5 PORT											
Specific Gravity		1											
Trim		0											
Capacity		11,921 BBL											
Label(s)		Oil#5.p											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
2' 10	32' 8	0	43294	1031	163887	164	161	305	16	7	1113	49124	5529
2' 11	32' 7	0	44575	1061	168735	169	166	305	16	7	1153	50577	5529
3' 0	32' 6	0	45856	1092	173584	174	171	305	17	7	1192	52029	5529
3' 1	32' 5	9.41%	47,137	1,122	178,432	178.43	175.61	304.56	16.52	7.02	1,232.8	53,484	5,528.6
3' 2	32' 4	9.67%	48,417	1,153	183,280	183.28	180.38	304.56	16.54	7.07	1,275.3	54,937	5,528.6
3' 3	32' 3	9.93%	49,698	1,183	188,128	188.13	185.15	304.56	16.55	7.11	1,316.4	56,389	5,528.6
3' 4	32' 2	10.18%	50,979	1,214	192,976	192.98	189.92	304.56	16.56	7.15	1,357.9	57,842	5,528.6
3' 5	32' 1	10.44%	52,260	1,244	197,825	197.82	194.70	304.57	16.57	7.19	1,399.9	59,300	5,528.6
3' 6	32' 0	10.69%	53,541	1,275	202,673	202.67	199.47	304.57	16.58	7.23	1,442.2	60,753	5,528.6
3' 7	31' 11	10.95%	54,821	1,305	207,521	207.52	204.24	304.57	16.59	7.28	1,486.9	62,205	5,528.6
3' 8	31' 10	11.21%	56,102	1,336	212,369	212.37	209.01	304.57	16.60	7.32	1,530.0	63,658	5,528.6
3' 9	31' 9	11.46%	57,383	1,366	217,217	217.22	213.78	304.57	16.61	7.36	1,573.4	65,111	5,528.6
3' 10	31' 8	11.72%	58,664	1,397	222,066	222.07	218.55	304.57	16.62	7.40	1,617.3	66,564	5,528.6
3' 11	31' 7	11.97%	59,944	1,427	226,914	226.91	223.33	304.58	16.63	7.44	1,661.6	68,022	5,528.6
4' 0	31' 6	12.23%	61,225	1,458	231,762	231.76	228.10	304.58	16.64	7.48	1,706.2	69,475	5,528.6
4' 1	31' 5	12.48%	62,506	1,488	236,610	236.61	232.87	304.58	16.64	7.53	1,753.5	70,928	5,528.6
4' 2	31' 4	12.74%	63,787	1,519	241,459	241.46	237.64	304.58	16.65	7.57	1,798.9	72,380	5,528.6
4' 3	31' 3	13.00%	65,067	1,549	246,307	246.31	242.41	304.58	16.66	7.61	1,844.7	73,833	5,528.6
4' 4	31' 2	13.25%	66,348	1,580	251,155	251.15	247.18	304.58	16.67	7.65	1,890.9	75,286	5,528.6
4' 5	31' 1	13.51%	67,629	1,610	256,003	256.0	251.95	304.58	16.67	7.69	1,937.5	76,739	5,528.6
4' 6	31' 0	13.76%	68,910	1,641	260,851	260.85	256.73	304.59	16.68	7.73	1,984.5	78,197	5,528.6
4' 7	30' 11	14.02%	70,190	1,671	265,700	265.70	261.50	304.59	16.69	7.78	2,034.5	79,650	5,528.6
4' 8	30' 10	14.27%	71,471	1,702	270,548	270.55	266.27	304.59	16.69	7.82	2,082.2	81,103	5,528.6
4' 9	30' 9	14.53%	72,752	1,732	275,396	275.40	271.04	304.59	16.70	7.86	2,130.4	82,556	5,528.6
4' 10	30' 8	14.79%	74,033	1,763	280,244	280.24	275.81	304.59	16.70	7.90	2,178.9	84,009	5,528.6
4' 11	30' 7	15.04%	75,313	1,793	285,092	285.09	280.58	304.59	16.71	7.94	2,227.8	85,462	5,528.6
5' 0	30' 6	15.30%	76,594	1,824	289,941	289.94	285.36	304.59	16.71	7.98	2,277.2	86,918	5,528.6
5' 1	30' 5	15.55%	77,875	1,854	294,789	294.79	290.13	304.59	16.72	8.03	2,329.7	88,371	5,528.6
5' 2	30' 4	15.81%	79,156	1,885	299,637	299.64	294.90	304.59	16.72	8.07	2,379.8	89,824	5,528.6
5' 3	30' 3	16.07%	80,437	1,915	304,485	304.49	299.67	304.59	16.73	8.11	2,430.3	91,276	5,528.6
5' 4	30' 2	16.32%	81,717	1,946	309,334	309.33	304.44	304.59	16.73	8.15	2,481.2	92,729	5,528.6
5' 5	30' 1	16.58%	82,998	1,976	314,182	314.18	309.21	304.60	16.74	8.19	2,532.4	94,185	5,528.6
5' 6	30' 0	16.83%	84,279	2,007	319,030	319.03	313.98	304.60	16.74	8.23	2,584.1	95,638	5,528.6

Tank		Oil #5 PORT											
Specific Gravity		1											
Trim		0											
Capacity		11,921 BBL											
Label(s)		Oil#5.p											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
5' 7	29' 11	17.09%	85,560	2,037	323,878	323.88	<b>318.76</b>	304.60	16.75	8.28	<b>2,639.3</b>	<b>97,094</b>	5,528.6
5' 8	29' 10	17.34%	86,840	2,068	328,726	328.73	<b>323.53</b>	304.60	16.75	8.32	<b>2,691.8</b>	<b>98,547</b>	5,528.6
5' 9	29' 9	17.60%	88,121	2,098	333,575	333.57	<b>328.30</b>	304.60	16.75	8.36	<b>2,744.6</b>	<b>100,000</b>	5,528.6
5' 10	29' 8	17.86%	89,402	2,129	338,423	338.42	<b>333.07</b>	304.60	16.76	8.40	<b>2,797.8</b>	<b>101,453</b>	5,528.6
5' 11	29' 7	18.11%	90,683	2,159	343,271	343.27	<b>337.84</b>	304.60	16.76	8.44	<b>2,851.4</b>	<b>102,906</b>	5,528.6
6' 0	29' 6	18.37%	91,963	2,190	348,119	348.12	<b>342.61</b>	304.60	16.77	8.48	<b>2,905.3</b>	<b>104,359</b>	5,528.6
6' 1	29' 5	18.62%	93,244	2,220	352,967	352.97	<b>347.38</b>	304.60	16.77	8.53	<b>2,963.2</b>	<b>105,812</b>	5,528.6
6' 2	29' 4	18.88%	94,525	2,251	357,816	357.82	<b>352.16</b>	304.60	16.77	8.57	<b>3,018.0</b>	<b>107,268</b>	5,528.6
6' 3	29' 3	19.14%	95,806	2,281	362,664	362.66	<b>356.93</b>	304.60	16.78	8.61	<b>3,073.2</b>	<b>108,721</b>	5,528.6
6' 4	29' 2	19.39%	97,086	2,312	367,512	367.51	<b>361.70</b>	304.60	16.78	8.65	<b>3,128.7</b>	<b>110,174</b>	5,528.6
6' 5	29' 1	19.65%	98,367	2,342	372,360	372.36	<b>366.47</b>	304.60	16.78	8.69	<b>3,184.6</b>	<b>111,627</b>	5,528.6
6' 6	29' 0	19.90%	99,648	2,373	377,209	377.21	<b>371.24</b>	304.60	16.78	8.74	<b>3,244.6</b>	<b>113,080</b>	5,528.6
6' 7	28' 11	20.16%	100,929	2,403	382,057	382.06	<b>376.01</b>	304.60	16.79	8.78	<b>3,301.4</b>	<b>114,533</b>	5,528.6
6' 8	28' 10	20.41%	102,210	2,434	386,905	386.91	<b>380.79</b>	304.60	16.79	8.82	<b>3,358.6</b>	<b>115,989</b>	5,528.6
6' 9	28' 9	20.67%	103,490	2,464	391,753	391.75	<b>385.56</b>	304.61	16.79	8.86	<b>3,416.1</b>	<b>117,445</b>	5,528.6
6' 10	28' 8	20.93%	104,771	2,495	396,601	396.60	<b>390.33</b>	304.61	16.80	8.90	<b>3,473.9</b>	<b>118,898</b>	5,528.6
6' 11	28' 7	21.18%	106,052	2,525	401,450	401.45	<b>395.10</b>	304.61	16.80	8.94	<b>3,532.2</b>	<b>120,351</b>	5,528.6
7' 0	28' 6	21.44%	107,333	2,556	406,298	406.30	<b>399.87</b>	304.61	16.80	8.99	<b>3,594.8</b>	<b>121,804</b>	5,528.6
7' 1	28' 5	21.69%	108,613	2,586	411,146	411.15	<b>404.64</b>	304.61	16.80	9.03	<b>3,653.9</b>	<b>123,257</b>	5,528.6
7' 2	28' 4	21.95%	109,894	2,617	415,994	415.99	<b>409.42</b>	304.61	16.81	9.07	<b>3,713.4</b>	<b>124,713</b>	5,528.6
7' 3	28' 3	22.20%	111,175	2,647	420,842	420.84	<b>414.19</b>	304.61	16.81	9.11	<b>3,773.3</b>	<b>126,166</b>	5,528.6
7' 4	28' 2	22.46%	112,456	2,678	425,691	425.69	<b>418.96</b>	304.61	16.81	9.15	<b>3,833.5</b>	<b>127,619</b>	5,528.6
7' 5	28' 1	22.72%	113,736	2,708	430,539	430.54	<b>423.73</b>	304.61	16.81	9.19	<b>3,894.1</b>	<b>129,072</b>	5,528.6
7' 6	28' 0	22.97%	115,017	2,739	435,387	435.39	<b>428.50</b>	304.61	16.82	9.24	<b>3,959.3</b>	<b>130,525</b>	5,528.6
7' 7	27' 11	23.23%	116,298	2,769	440,235	440.24	<b>433.27</b>	304.61	16.82	9.28	<b>4,020.7</b>	<b>131,978</b>	5,528.6
7' 8	27' 10	23.48%	117,579	2,799	445,083	445.08	<b>438.04</b>	304.61	16.82	9.32	<b>4,082.5</b>	<b>133,431</b>	5,528.6
7' 9	27' 9	23.74%	118,859	2,830	449,932	449.93	<b>442.82</b>	304.61	16.82	9.36	<b>4,144.8</b>	<b>134,887</b>	5,528.6
7' 10	27' 8	24.00%	120,140	2,860	454,780	454.78	<b>447.59</b>	304.61	16.82	9.40	<b>4,207.3</b>	<b>136,340</b>	5,528.6
7' 11	27' 7	24.25%	121,421	2,891	459,628	459.63	<b>452.36</b>	304.61	16.83	9.44	<b>4,270.3</b>	<b>137,793</b>	5,528.6
8' 0	27' 6	24.51%	122,702	2,921	464,476	464.48	<b>457.13</b>	304.61	16.83	9.49	<b>4,338.2</b>	<b>139,246</b>	5,528.6
8' 1	27' 5	24.76%	123,982	2,952	469,324	469.32	<b>461.90</b>	304.61	16.83	9.53	<b>4,401.9</b>	<b>140,699</b>	5,528.6
8' 2	27' 4	25.02%	125,263	2,982	474,173	474.17	<b>466.67</b>	304.61	16.83	9.57	<b>4,466.0</b>	<b>142,152</b>	5,528.6
8' 3	27' 3	25.27%	126,544	3,013	479,021	479.02	<b>471.44</b>	304.61	16.83	9.61	<b>4,530.5</b>	<b>143,605</b>	5,528.6

Tank		Oil #5 PORT											
Specific Gravity		1											
Trim		0											
Capacity		11,921 BBL											
Label(s)		Oil#5.p											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
8' 4	27' 2	25.53%	127,825	3,043	483,869	483.87	<b>476.22</b>	304.61	16.84	9.65	<b>4,595.5</b>	<b>145,061</b>	5,528.6
8' 5	27' 1	25.79%	129,106	3,074	488,717	488.72	<b>480.99</b>	304.61	16.84	9.69	<b>4,660.8</b>	<b>146,514</b>	5,528.6
8' 6	27' 0	26.04%	130,386	3,104	493,565	493.57	<b>485.76</b>	304.61	16.84	9.74	<b>4,731.3</b>	<b>147,967</b>	5,528.6
8' 7	26' 11	26.30%	131,667	3,135	498,414	498.41	<b>490.53</b>	304.61	16.84	9.78	<b>4,797.4</b>	<b>149,420</b>	5,528.6
8' 8	26' 10	26.55%	132,948	3,165	503,262	503.26	<b>495.30</b>	304.61	16.84	9.82	<b>4,863.8</b>	<b>150,873</b>	5,528.6
8' 9	26' 9	26.81%	134,229	3,196	508,110	508.11	<b>500.07</b>	304.61	16.85	9.86	<b>4,930.7</b>	<b>152,326</b>	5,528.6
8' 10	26' 8	27.07%	135,509	3,226	512,959	512.96	<b>504.85</b>	304.62	16.85	9.90	<b>4,998.0</b>	<b>153,787</b>	5,528.6
8' 11	26' 7	27.32%	136,790	3,257	517,806	517.81	<b>509.62</b>	304.62	16.85	9.94	<b>5,065.6</b>	<b>155,240</b>	5,528.6
9' 0	26' 6	27.58%	138,071	3,287	522,655	522.65	<b>514.39</b>	304.62	16.85	9.99	<b>5,138.8</b>	<b>156,693</b>	5,528.6
9' 1	26' 5	27.83%	139,352	3,318	527,503	527.50	<b>519.16</b>	304.62	16.85	10.03	<b>5,207.2</b>	<b>158,147</b>	5,528.6
9' 2	26' 4	28.09%	140,632	3,348	532,351	532.35	<b>523.93</b>	304.62	16.85	10.07	<b>5,276.0</b>	<b>159,600</b>	5,528.6
9' 3	26' 3	28.34%	141,913	3,379	537,199	537.20	<b>528.70</b>	304.62	16.85	10.11	<b>5,345.2</b>	<b>161,053</b>	5,528.6
9' 4	26' 2	28.60%	143,194	3,409	542,047	542.05	<b>533.47</b>	304.62	16.86	10.15	<b>5,414.7</b>	<b>162,506</b>	5,528.6
9' 5	26' 1	28.86%	144,475	3,440	546,895	546.90	<b>538.25</b>	304.62	16.86	10.19	<b>5,484.8</b>	<b>163,962</b>	5,528.6
9' 6	26' 0	29.11%	145,755	3,470	551,744	551.74	<b>543.02</b>	304.62	16.86	10.24	<b>5,560.5</b>	<b>165,415</b>	5,528.6
9' 7	25' 11	29.37%	147,036	3,501	556,592	556.59	<b>547.79</b>	304.62	16.86	10.28	<b>5,631.3</b>	<b>166,868</b>	5,528.6
9' 8	25' 10	29.62%	148,317	3,531	561,440	561.44	<b>552.56</b>	304.62	16.86	10.32	<b>5,702.4</b>	<b>168,321</b>	5,528.6
9' 9	25' 9	29.88%	149,598	3,562	566,289	566.29	<b>557.33</b>	304.62	16.86	10.36	<b>5,773.9</b>	<b>169,774</b>	5,528.6
9' 10	25' 8	30.13%	150,878	3,592	571,136	571.14	<b>562.10</b>	304.62	16.86	10.40	<b>5,845.8</b>	<b>171,227</b>	5,528.6
9' 11	25' 7	30.39%	152,159	3,623	575,985	575.98	<b>566.88</b>	304.62	16.87	10.44	<b>5,918.2</b>	<b>172,683</b>	5,528.6
10' 0	25' 6	30.65%	153,440	3,653	580,833	580.83	<b>571.65</b>	304.62	16.87	10.49	<b>5,996.6</b>	<b>174,136</b>	5,528.6
10' 1	25' 5	30.90%	154,721	3,684	585,682	585.68	<b>576.42</b>	304.62	16.87	10.53	<b>6,069.7</b>	<b>175,589</b>	5,528.6
10' 2	25' 4	31.16%	156,001	3,714	590,529	590.53	<b>581.19</b>	304.62	16.87	10.57	<b>6,143.2</b>	<b>177,042</b>	5,528.6
10' 3	25' 3	31.41%	157,282	3,745	595,378	595.38	<b>585.96</b>	304.62	16.87	10.61	<b>6,217.0</b>	<b>178,495</b>	5,528.6
10' 4	25' 2	31.67%	158,563	3,775	600,225	600.23	<b>590.73</b>	304.62	16.87	10.65	<b>6,291.3</b>	<b>179,948</b>	5,528.6
10' 5	25' 1	31.93%	159,844	3,806	605,074	605.07	<b>595.50</b>	304.62	16.87	10.69	<b>6,365.9</b>	<b>181,401</b>	5,528.6
10' 6	25' 0	32.18%	161,124	3,836	609,922	609.92	<b>600.28</b>	304.62	16.87	10.74	<b>6,447.0</b>	<b>182,857</b>	5,528.6
10' 7	24' 11	32.44%	162,405	3,867	614,770	614.77	<b>605.05</b>	304.62	16.88	10.78	<b>6,522.4</b>	<b>184,310</b>	5,528.6
10' 8	24' 10	32.69%	163,686	3,897	619,619	619.62	<b>609.82</b>	304.62	16.88	10.82	<b>6,598.3</b>	<b>185,763</b>	5,528.6
10' 9	24' 9	32.95%	164,967	3,928	624,467	624.47	<b>614.59</b>	304.62	16.88	10.86	<b>6,674.4</b>	<b>187,216</b>	5,528.6
10' 10	24' 8	33.20%	166,247	3,958	629,315	629.31	<b>619.36</b>	304.62	16.88	10.90	<b>6,751.0</b>	<b>188,669</b>	5,528.6
10' 11	24' 7	33.46%	167,528	3,989	634,163	634.16	<b>624.13</b>	304.62	16.88	10.94	<b>6,828.0</b>	<b>190,122</b>	5,528.6
11' 0	24' 6	33.72%	168,809	4,019	639,012	639.01	<b>628.91</b>	304.62	16.88	10.99	<b>6,911.7</b>	<b>191,579</b>	5,528.6

Tank		Oil #5 PORT											
Specific Gravity		1											
Trim		0											
Capacity		11,921 BBL											
Label(s)		Oil#5.p											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
11' 1	24' 5	33.97%	170,090	4,050	643,859	643.86	<b>633.68</b>	304.62	16.88	11.03	<b>6,989.5</b>	<b>193,032</b>	5,528.6
11' 2	24' 4	34.23%	171,370	4,080	648,708	648.71	<b>638.45</b>	304.62	16.88	11.07	<b>7,067.6</b>	<b>194,485</b>	5,528.6
11' 3	24' 3	34.48%	172,651	4,111	653,556	653.56	<b>643.22</b>	304.62	16.88	11.11	<b>7,146.2</b>	<b>195,938</b>	5,528.6
11' 4	24' 2	34.74%	173,932	4,141	658,404	658.40	<b>647.99</b>	304.62	16.89	11.15	<b>7,225.1</b>	<b>197,391</b>	5,528.6
11' 5	24' 1	35.00%	175,213	4,172	663,252	663.25	<b>652.76</b>	304.62	16.89	11.19	<b>7,304.4</b>	<b>198,844</b>	5,528.6
11' 6	24' 0	35.25%	176,493	4,202	668,100	668.10	<b>657.53</b>	304.62	16.89	11.24	<b>7,390.6</b>	<b>200,297</b>	5,528.6
11' 7	23' 11	35.51%	177,774	4,233	672,949	672.95	<b>662.31</b>	304.62	16.89	11.28	<b>7,470.9</b>	<b>201,753</b>	5,528.6
11' 8	23' 10	35.76%	179,055	4,263	677,797	677.80	<b>667.08</b>	304.62	16.89	11.32	<b>7,551.3</b>	<b>203,206</b>	5,528.6
11' 9	23' 9	36.02%	180,336	4,294	682,645	682.64	<b>671.85</b>	304.62	16.89	11.36	<b>7,632.2</b>	<b>204,659</b>	5,528.6
11' 10	23' 8	36.27%	181,616	4,324	687,493	687.49	<b>676.62</b>	304.62	16.89	11.40	<b>7,713.5</b>	<b>206,112</b>	5,528.6
11' 11	23' 7	36.53%	182,897	4,355	692,342	692.34	<b>681.39</b>	304.62	16.89	11.44	<b>7,795.1</b>	<b>207,565</b>	5,528.6
12' 0	23' 6	36.79%	184,178	4,385	697,190	697.19	<b>686.16</b>	304.62	16.89	11.49	<b>7,884.0</b>	<b>209,018</b>	5,528.6
12' 1	23' 5	37.04%	185,459	4,416	702,038	702.04	<b>690.93</b>	304.62	16.89	11.53	<b>7,966.4</b>	<b>210,471</b>	5,528.6
12' 2	23' 4	37.30%	186,740	4,446	706,886	706.89	<b>695.71</b>	304.62	16.89	11.57	<b>8,049.4</b>	<b>211,927</b>	5,528.6
12' 3	23' 3	37.55%	188,020	4,477	711,734	711.73	<b>700.48</b>	304.62	16.90	11.61	<b>8,132.6</b>	<b>213,380</b>	5,528.6
12' 4	23' 2	37.81%	189,301	4,507	716,582	716.58	<b>705.25</b>	304.62	16.90	11.65	<b>8,216.2</b>	<b>214,833</b>	5,528.6
12' 5	23' 1	38.06%	190,582	4,538	721,431	721.43	<b>710.02</b>	304.62	16.90	11.69	<b>8,300.1</b>	<b>216,286</b>	5,528.6
12' 6	23' 0	38.32%	191,863	4,568	726,279	726.28	<b>714.79</b>	304.62	16.90	11.74	<b>8,391.6</b>	<b>217,739</b>	5,528.6
12' 7	22' 11	38.58%	193,143	4,599	731,127	731.13	<b>719.56</b>	304.62	16.90	11.78	<b>8,476.4</b>	<b>219,192</b>	5,528.6
12' 8	22' 10	38.83%	194,424	4,629	735,975	735.97	<b>724.34</b>	304.62	16.90	11.82	<b>8,561.7</b>	<b>220,648</b>	5,528.6
12' 9	22' 9	39.09%	195,705	4,660	740,823	740.82	<b>729.11</b>	304.62	16.90	11.86	<b>8,647.2</b>	<b>222,101</b>	5,528.6
12' 10	22' 8	39.34%	196,986	4,690	745,672	745.67	<b>733.88</b>	304.62	16.90	11.90	<b>8,733.2</b>	<b>223,555</b>	5,528.6
12' 11	22' 7	39.60%	198,266	4,721	750,520	750.52	<b>738.65</b>	304.62	16.90	11.94	<b>8,819.5</b>	<b>225,008</b>	5,528.6
13' 0	22' 6	39.86%	199,547	4,751	755,368	755.37	<b>743.42</b>	304.62	16.90	11.99	<b>8,913.6</b>	<b>226,461</b>	5,528.6
13' 1	22' 5	40.11%	200,828	4,782	760,216	760.22	<b>748.19</b>	304.63	16.90	12.03	<b>9,000.7</b>	<b>227,921</b>	5,528.6
13' 2	22' 4	40.37%	202,109	4,812	765,064	765.06	<b>752.96</b>	304.63	16.90	12.07	<b>9,088.2</b>	<b>229,374</b>	5,528.6
13' 3	22' 3	40.62%	203,389	4,843	769,912	769.91	<b>757.74</b>	304.63	16.90	12.11	<b>9,176.2</b>	<b>230,830</b>	5,528.6
13' 4	22' 2	40.88%	204,670	4,873	774,761	774.76	<b>762.51</b>	304.63	16.91	12.15	<b>9,264.5</b>	<b>232,283</b>	5,528.6
13' 5	22' 1	41.13%	205,951	4,904	779,609	779.61	<b>767.28</b>	304.63	16.91	12.19	<b>9,353.1</b>	<b>233,737</b>	5,528.6
13' 6	22' 0	41.39%	207,232	4,934	784,457	784.46	<b>772.05</b>	304.63	16.91	12.24	<b>9,449.9</b>	<b>235,190</b>	5,528.6
13' 7	21' 11	41.65%	208,512	4,965	789,305	789.30	<b>776.82</b>	304.63	16.91	12.28	<b>9,539.3</b>	<b>236,643</b>	5,528.6
13' 8	21' 10	41.90%	209,793	4,995	794,153	794.15	<b>781.59</b>	304.63	16.91	12.32	<b>9,629.2</b>	<b>238,096</b>	5,528.6
13' 9	21' 9	42.16%	211,074	5,026	799,001	799.0	<b>786.36</b>	304.63	16.91	12.36	<b>9,719.4</b>	<b>239,549</b>	5,528.6

Tank		Oil #5 PORT												
Specific Gravity		1												
Trim		0												
Capacity		11,921 BBL												
Label(s)		Oil#5.p												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
13' 10	21' 8	42.41%	212,355	5,056	803,850	803.85	<b>791.14</b>	304.63	16.91	12.40	<b>9,810.1</b>	<b>241,005</b>	5,528.6	
13' 11	21' 7	42.67%	213,635	5,087	808,698	808.70	<b>795.91</b>	304.63	16.91	12.44	<b>9,901.1</b>	<b>242,458</b>	5,528.6	
14' 0	21' 6	42.93%	214,916	5,117	813,546	813.55	<b>800.68</b>	304.63	16.91	12.49	<b>10,000.5</b>	<b>243,911</b>	5,528.6	
14' 1	21' 5	43.18%	216,197	5,148	818,394	818.39	<b>805.45</b>	304.63	16.91	12.53	<b>10,092.3</b>	<b>245,364</b>	5,528.6	
14' 2	21' 4	43.44%	217,478	5,178	823,242	823.24	<b>810.22</b>	304.63	16.91	12.57	<b>10,184.5</b>	<b>246,817</b>	5,528.6	
14' 3	21' 3	43.69%	218,758	5,209	828,091	828.09	<b>814.99</b>	304.63	16.91	12.61	<b>10,277.0</b>	<b>248,270</b>	5,528.6	
14' 4	21' 2	43.95%	220,039	5,239	832,939	832.94	<b>819.77</b>	304.63	16.91	12.65	<b>10,370.1</b>	<b>249,727</b>	5,528.6	
14' 5	21' 1	44.20%	221,320	5,270	837,787	837.79	<b>824.54</b>	304.63	16.91	12.69	<b>10,463.4</b>	<b>251,180</b>	5,528.6	
14' 6	21' 0	44.46%	222,601	5,300	842,635	842.64	<b>829.31</b>	304.63	16.91	12.74	<b>10,565.4</b>	<b>252,633</b>	5,528.6	
14' 7	20' 11	44.72%	223,881	5,331	847,483	847.48	<b>834.08</b>	304.63	16.92	12.78	<b>10,659.5</b>	<b>254,086</b>	5,528.6	
14' 8	20' 10	44.97%	225,162	5,361	852,332	852.33	<b>838.85</b>	304.63	16.92	12.82	<b>10,754.1</b>	<b>255,539</b>	5,528.6	
14' 9	20' 9	45.23%	226,443	5,391	857,180	857.18	<b>843.62</b>	304.63	16.92	12.86	<b>10,849.0</b>	<b>256,992</b>	5,528.6	
14' 10	20' 8	45.48%	227,724	5,422	862,028	862.03	<b>848.39</b>	304.63	16.92	12.90	<b>10,944.2</b>	<b>258,445</b>	5,528.6	
14' 11	20' 7	45.74%	229,004	5,452	866,876	866.88	<b>853.17</b>	304.63	16.92	12.94	<b>11,040.0</b>	<b>259,901</b>	5,528.6	
15' 0	20' 6	45.99%	230,285	5,483	871,724	871.72	<b>857.94</b>	304.63	16.92	12.99	<b>11,144.6</b>	<b>261,354</b>	5,528.6	
15' 1	20' 5	46.25%	231,566	5,513	876,573	876.57	<b>862.71</b>	304.63	16.92	13.03	<b>11,241.1</b>	<b>262,807</b>	5,528.6	
15' 2	20' 4	46.51%	232,847	5,544	881,421	881.42	<b>867.48</b>	304.63	16.92	13.07	<b>11,338.0</b>	<b>264,260</b>	5,528.6	
15' 3	20' 3	46.76%	234,128	5,574	886,269	886.27	<b>872.25</b>	304.63	16.92	13.11	<b>11,435.2</b>	<b>265,714</b>	5,528.6	
15' 4	20' 2	47.02%	235,408	5,605	891,117	891.12	<b>877.02</b>	304.63	16.92	13.15	<b>11,532.8</b>	<b>267,167</b>	5,528.6	
15' 5	20' 1	47.27%	236,689	5,635	895,965	895.97	<b>881.79</b>	304.63	16.92	13.19	<b>11,630.8</b>	<b>268,620</b>	5,528.6	
15' 6	20' 0	47.53%	237,970	5,666	900,813	900.81	<b>886.57</b>	304.63	16.92	13.24	<b>11,738.2</b>	<b>270,076</b>	5,528.6	
15' 7	19' 11	47.79%	239,250	5,696	905,661	905.66	<b>891.34</b>	304.63	16.92	13.28	<b>11,837.0</b>	<b>271,529</b>	5,528.6	
15' 8	19' 10	48.04%	240,531	5,727	910,510	910.51	<b>896.11</b>	304.63	16.92	13.32	<b>11,936.2</b>	<b>272,982</b>	5,528.6	
15' 9	19' 9	48.30%	241,812	5,757	915,358	915.36	<b>900.88</b>	304.63	16.92	13.36	<b>12,035.8</b>	<b>274,435</b>	5,528.6	
15' 10	19' 8	48.55%	243,093	5,788	920,206	920.21	<b>905.65</b>	304.63	16.92	13.40	<b>12,135.7</b>	<b>275,888</b>	5,528.6	
15' 11	19' 7	48.81%	244,374	5,818	925,054	925.05	<b>910.42</b>	304.63	16.92	13.44	<b>12,236.0</b>	<b>277,341</b>	5,528.6	
16' 0	19' 6	49.06%	245,654	5,849	929,903	929.90	<b>915.20</b>	304.63	16.92	13.49	<b>12,346.0</b>	<b>278,797</b>	5,528.6	
16' 1	19' 5	49.32%	246,935	5,879	934,751	934.75	<b>919.97</b>	304.63	16.93	13.53	<b>12,447.2</b>	<b>280,250</b>	5,528.6	
16' 2	19' 4	49.58%	248,216	5,910	939,599	939.60	<b>924.74</b>	304.63	16.93	13.57	<b>12,548.7</b>	<b>281,704</b>	5,528.6	
16' 3	19' 3	49.83%	249,497	5,940	944,447	944.45	<b>929.51</b>	304.63	16.93	13.61	<b>12,650.6</b>	<b>283,157</b>	5,528.6	
16' 4	19' 2	50.09%	250,777	5,971	949,296	949.30	<b>934.28</b>	304.63	16.93	13.65	<b>12,752.9</b>	<b>284,610</b>	5,528.6	
16' 5	19' 1	50.34%	252,058	6,001	954,143	954.14	<b>939.05</b>	304.63	16.93	13.69	<b>12,855.6</b>	<b>286,063</b>	5,528.6	
16' 6	19' 0	50.60%	253,339	6,032	958,992	958.99	<b>943.83</b>	304.63	16.93	13.74	<b>12,968.2</b>	<b>287,519</b>	5,528.6	



Tank		Oil #5 PORT											
Specific Gravity		1											
Trim		0											
Capacity		11,921 BBL											
Label(s)		Oil#5.p											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
16' 7	18' 11	50.85%	254,620	6,062	963,840	963.84	<b>948.60</b>	304.63	16.93	13.78	<b>13,071.7</b>	<b>288,972</b>	5,528.6
16' 8	18' 10	51.11%	255,900	6,093	968,688	968.69	<b>953.37</b>	304.63	16.93	13.82	<b>13,175.6</b>	<b>290,425</b>	5,528.6
16' 9	18' 9	51.37%	257,181	6,123	973,537	973.54	<b>958.14</b>	304.63	16.93	13.86	<b>13,279.8</b>	<b>291,878</b>	5,528.6
16' 10	18' 8	51.62%	258,462	6,154	978,385	978.39	<b>962.91</b>	304.63	16.93	13.90	<b>13,384.4</b>	<b>293,331</b>	5,528.6
16' 11	18' 7	51.88%	259,743	6,184	983,233	983.23	<b>967.68</b>	304.63	16.93	13.94	<b>13,489.5</b>	<b>294,784</b>	5,528.6
17' 0	18' 6	52.13%	261,024	6,215	988,081	988.08	<b>972.45</b>	304.63	16.93	13.99	<b>13,604.6</b>	<b>296,237</b>	5,528.6
17' 1	18' 5	52.39%	262,304	6,245	992,930	992.93	<b>977.23</b>	304.63	16.93	14.03	<b>13,710.5</b>	<b>297,694</b>	5,528.6
17' 2	18' 4	52.65%	263,585	6,276	997,778	997.78	<b>982.0</b>	304.63	16.93	14.07	<b>13,816.7</b>	<b>299,147</b>	5,528.6
17' 3	18' 3	52.90%	264,866	6,306	1,002,626	1,002.63	<b>986.77</b>	304.63	16.93	14.11	<b>13,923.3</b>	<b>300,600</b>	5,528.6
17' 4	18' 2	53.16%	266,147	6,337	1,007,474	1,007.47	<b>991.54</b>	304.63	16.93	14.15	<b>14,030.3</b>	<b>302,053</b>	5,528.6
17' 5	18' 1	53.41%	267,428	6,367	1,012,323	1,012.32	<b>996.31</b>	304.63	16.93	14.19	<b>14,137.6</b>	<b>303,506</b>	5,528.6
17' 6	18' 0	53.67%	268,708	6,398	1,017,171	1,017.17	<b>1,001.08</b>	304.63	16.93	14.24	<b>14,255.4</b>	<b>304,959</b>	5,528.6
17' 7	17' 11	53.92%	269,989	6,428	1,022,019	1,022.02	<b>1,005.86</b>	304.63	16.93	14.28	<b>14,363.7</b>	<b>306,415</b>	5,528.6
17' 8	17' 10	54.18%	271,270	6,459	1,026,868	1,026.87	<b>1,010.63</b>	304.63	16.93	14.32	<b>14,472.2</b>	<b>307,868</b>	5,528.6
17' 9	17' 9	54.44%	272,551	6,489	1,031,716	1,031.72	<b>1,015.40</b>	304.63	16.93	14.36	<b>14,581.1</b>	<b>309,321</b>	5,528.6
17' 10	17' 8	54.69%	273,831	6,520	1,036,564	1,036.56	<b>1,020.17</b>	304.63	16.93	14.40	<b>14,690.4</b>	<b>310,774</b>	5,528.6
17' 11	17' 7	54.95%	275,112	6,550	1,041,412	1,041.41	<b>1,024.94</b>	304.63	16.93	14.44	<b>14,800.1</b>	<b>312,227</b>	5,528.6
18' 0	17' 6	55.20%	276,393	6,581	1,046,260	1,046.26	<b>1,029.71</b>	304.63	16.94	14.49	<b>14,920.5</b>	<b>313,681</b>	5,528.6
18' 1	17' 5	55.46%	277,674	6,611	1,051,109	1,051.11	<b>1,034.48</b>	304.63	16.94	14.53	<b>15,031.0</b>	<b>315,134</b>	5,528.6
18' 2	17' 4	55.72%	278,954	6,642	1,055,957	1,055.96	<b>1,039.26</b>	304.63	16.94	14.57	<b>15,142.0</b>	<b>316,590</b>	5,528.6
18' 3	17' 3	55.97%	280,235	6,672	1,060,805	1,060.81	<b>1,044.03</b>	304.63	16.94	14.61	<b>15,253.3</b>	<b>318,043</b>	5,528.6
18' 4	17' 2	56.23%	281,516	6,703	1,065,654	1,065.65	<b>1,048.80</b>	304.63	16.94	14.65	<b>15,364.9</b>	<b>319,496</b>	5,528.6
18' 5	17' 1	56.48%	282,797	6,733	1,070,502	1,070.50	<b>1,053.57</b>	304.63	16.94	14.69	<b>15,476.9</b>	<b>320,949</b>	5,528.6
18' 6	17' 0	56.74%	284,077	6,764	1,075,350	1,075.35	<b>1,058.34</b>	304.63	16.94	14.74	<b>15,599.9</b>	<b>322,402</b>	5,528.6
18' 7	16' 11	56.99%	285,358	6,794	1,080,198	1,080.20	<b>1,063.11</b>	304.63	16.94	14.78	<b>15,712.8</b>	<b>323,855</b>	5,528.6
18' 8	16' 10	57.25%	286,639	6,825	1,085,046	1,085.05	<b>1,067.89</b>	304.63	16.94	14.82	<b>15,826.1</b>	<b>325,311</b>	5,528.6
18' 9	16' 9	57.51%	287,920	6,855	1,089,895	1,089.89	<b>1,072.66</b>	304.63	16.94	14.86	<b>15,939.7</b>	<b>326,764</b>	5,528.6
18' 10	16' 8	57.76%	289,200	6,886	1,094,743	1,094.74	<b>1,077.43</b>	304.63	16.94	14.90	<b>16,053.7</b>	<b>328,218</b>	5,528.6
18' 11	16' 7	58.02%	290,481	6,916	1,099,591	1,099.59	<b>1,082.20</b>	304.63	16.94	14.94	<b>16,168.1</b>	<b>329,671</b>	5,528.6
19' 0	16' 6	58.27%	291,762	6,947	1,104,439	1,104.44	<b>1,086.97</b>	304.63	16.94	14.99	<b>16,293.7</b>	<b>331,124</b>	5,528.6
19' 1	16' 5	58.53%	293,043	6,977	1,109,288	1,109.29	<b>1,091.74</b>	304.63	16.94	15.03	<b>16,408.9</b>	<b>332,577</b>	5,528.6
19' 2	16' 4	58.79%	294,324	7,008	1,114,136	1,114.14	<b>1,096.52</b>	304.63	16.94	15.07	<b>16,524.6</b>	<b>334,033</b>	5,528.6
19' 3	16' 3	59.04%	295,604	7,038	1,118,984	1,118.98	<b>1,101.29</b>	304.63	16.94	15.11	<b>16,640.5</b>	<b>335,486</b>	5,528.6

Tank		Oil #5 PORT											
Specific Gravity		1											
Trim		0											
Capacity		11,921 BBL											
Label(s)		Oil#5.p											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
19' 4	16' 2	59.30%	296,885	7,069	1,123,832	1,123.83	<b>1,106.06</b>	304.63	16.94	15.15	<b>16,756.8</b>	<b>336,939</b>	5,528.6
19' 5	16' 1	59.55%	298,166	7,099	1,128,680	1,128.68	<b>1,110.83</b>	304.63	16.94	15.19	<b>16,873.5</b>	<b>338,392</b>	5,528.6
19' 6	16' 0	59.81%	299,447	7,130	1,133,529	1,133.53	<b>1,115.60</b>	304.63	16.94	15.24	<b>17,001.7</b>	<b>339,845</b>	5,528.6
19' 7	15' 11	60.06%	300,727	7,160	1,138,377	1,138.38	<b>1,120.37</b>	304.63	16.94	15.28	<b>17,119.3</b>	<b>341,298</b>	5,528.6
19' 8	15' 10	60.32%	302,008	7,191	1,143,225	1,143.23	<b>1,125.14</b>	304.63	16.94	15.32	<b>17,237.1</b>	<b>342,751</b>	5,528.6
19' 9	15' 9	60.58%	303,289	7,221	1,148,074	1,148.07	<b>1,129.92</b>	304.63	16.94	15.36	<b>17,355.6</b>	<b>344,208</b>	5,528.6
19' 10	15' 8	60.83%	304,570	7,252	1,152,922	1,152.92	<b>1,134.69</b>	304.63	16.94	15.40	<b>17,474.2</b>	<b>345,661</b>	5,528.6
19' 11	15' 7	61.09%	305,851	7,282	1,157,770	1,157.77	<b>1,139.46</b>	304.63	16.94	15.44	<b>17,593.3</b>	<b>347,114</b>	5,528.6
20' 0	15' 6	61.34%	307,131	7,313	1,162,618	1,162.62	<b>1,144.23</b>	304.63	16.94	15.49	<b>17,724.1</b>	<b>348,567</b>	5,528.6
20' 1	15' 5	61.60%	308,412	7,343	1,167,467	1,167.47	<b>1,149.0</b>	304.63	16.94	15.53	<b>17,844.0</b>	<b>350,020</b>	5,528.6
20' 2	15' 4	61.85%	309,693	7,374	1,172,315	1,172.31	<b>1,153.77</b>	304.63	16.94	15.57	<b>17,964.2</b>	<b>351,473</b>	5,528.6
20' 3	15' 3	62.11%	310,974	7,404	1,177,163	1,177.16	<b>1,158.55</b>	304.63	16.94	15.61	<b>18,085.0</b>	<b>352,929</b>	5,528.6
20' 4	15' 2	62.37%	312,254	7,435	1,182,011	1,182.01	<b>1,163.32</b>	304.63	16.95	15.65	<b>18,206.0</b>	<b>354,382</b>	5,528.6
20' 5	15' 1	62.62%	313,535	7,465	1,186,859	1,186.86	<b>1,168.09</b>	304.63	16.95	15.69	<b>18,327.3</b>	<b>355,835</b>	5,528.6
20' 6	15' 0	62.88%	314,816	7,496	1,191,707	1,191.71	<b>1,172.86</b>	304.63	16.95	15.74	<b>18,460.8</b>	<b>357,288</b>	5,528.6
20' 7	14' 11	63.13%	316,097	7,526	1,196,556	1,196.56	<b>1,177.63</b>	304.63	16.95	15.78	<b>18,583.0</b>	<b>358,741</b>	5,528.6
20' 8	14' 10	63.39%	317,377	7,557	1,201,404	1,201.40	<b>1,182.40</b>	304.63	16.95	15.82	<b>18,705.6</b>	<b>360,195</b>	5,528.6
20' 9	14' 9	63.65%	318,658	7,587	1,206,253	1,206.25	<b>1,187.18</b>	304.63	16.95	15.86	<b>18,828.7</b>	<b>361,651</b>	5,528.6
20' 10	14' 8	63.90%	319,939	7,618	1,211,101	1,211.10	<b>1,191.95</b>	304.63	16.95	15.90	<b>18,952.0</b>	<b>363,104</b>	5,528.6
20' 11	14' 7	64.16%	321,220	7,648	1,215,949	1,215.95	<b>1,196.72</b>	304.63	16.95	15.94	<b>19,075.7</b>	<b>364,557</b>	5,528.6
21' 0	14' 6	64.41%	322,501	7,679	1,220,797	1,220.80	<b>1,201.49</b>	304.63	16.95	15.99	<b>19,211.8</b>	<b>366,010</b>	5,528.6
21' 1	14' 5	64.67%	323,781	7,709	1,225,646	1,225.65	<b>1,206.26</b>	304.63	16.95	16.03	<b>19,336.3</b>	<b>367,463</b>	5,528.6
21' 2	14' 4	64.92%	325,062	7,740	1,230,494	1,230.49	<b>1,211.03</b>	304.63	16.95	16.07	<b>19,461.3</b>	<b>368,916</b>	5,528.6
21' 3	14' 3	65.18%	326,343	7,770	1,235,342	1,235.34	<b>1,215.80</b>	304.63	16.95	16.11	<b>19,586.5</b>	<b>370,369</b>	5,528.6
21' 4	14' 2	65.44%	327,624	7,801	1,240,191	1,240.19	<b>1,220.58</b>	304.63	16.95	16.15	<b>19,712.4</b>	<b>371,825</b>	5,528.6
21' 5	14' 1	65.69%	328,904	7,831	1,245,039	1,245.04	<b>1,225.35</b>	304.63	16.95	16.19	<b>19,838.4</b>	<b>373,278</b>	5,528.6
21' 6	14' 0	65.95%	330,185	7,862	1,249,887	1,249.89	<b>1,230.12</b>	304.63	16.95	16.24	<b>19,977.1</b>	<b>374,731</b>	5,528.6
21' 7	13' 11	66.20%	331,466	7,892	1,254,735	1,254.73	<b>1,234.89</b>	304.63	16.95	16.28	<b>20,104.0</b>	<b>376,185</b>	5,528.6
21' 8	13' 10	66.46%	332,747	7,923	1,259,583	1,259.58	<b>1,239.66</b>	304.63	16.95	16.32	<b>20,231.3</b>	<b>377,638</b>	5,528.6
21' 9	13' 9	66.72%	334,027	7,953	1,264,431	1,264.43	<b>1,244.43</b>	304.63	16.95	16.36	<b>20,358.9</b>	<b>379,091</b>	5,528.6
21' 10	13' 8	66.97%	335,308	7,984	1,269,280	1,269.28	<b>1,249.20</b>	304.63	16.95	16.40	<b>20,486.9</b>	<b>380,544</b>	5,528.6
21' 11	13' 7	67.23%	336,589	8,014	1,274,128	1,274.13	<b>1,253.98</b>	304.63	16.95	16.44	<b>20,615.4</b>	<b>382,000</b>	5,528.6
22' 0	13' 6	67.48%	337,870	8,045	1,278,976	1,278.98	<b>1,258.75</b>	304.63	16.95	16.49	<b>20,756.8</b>	<b>383,453</b>	5,528.6

Tank		Oil #5 PORT												
Specific Gravity		1												
Trim		0												
Capacity		11,921 BBL												
Label(s)		Oil#5.p												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
22' 1	13' 5	67.74%	339,151	8,075	1,283,824	1,283.82	<b>1,263.52</b>	304.63	16.95	16.53	<b>20,886.0</b>	<b>384,906</b>	5,528.6	
22' 2	13' 4	67.99%	340,431	8,106	1,288,673	1,288.67	<b>1,268.29</b>	304.63	16.95	16.57	<b>21,015.6</b>	<b>386,359</b>	5,528.6	
22' 3	13' 3	68.25%	341,712	8,136	1,293,521	1,293.52	<b>1,273.06</b>	304.63	16.95	16.61	<b>21,145.5</b>	<b>387,812</b>	5,528.6	
22' 4	13' 2	68.51%	342,993	8,166	1,298,369	1,298.37	<b>1,277.84</b>	304.63	16.95	16.65	<b>21,276.0</b>	<b>389,268</b>	5,528.6	
22' 5	13' 1	68.76%	344,274	8,197	1,303,217	1,303.22	<b>1,282.61</b>	304.63	16.95	16.69	<b>21,406.8</b>	<b>390,721</b>	5,528.6	
22' 6	13' 0	69.02%	345,554	8,227	1,308,066	1,308.07	<b>1,287.38</b>	304.63	16.95	16.74	<b>21,550.7</b>	<b>392,175</b>	5,528.6	
22' 7	12' 11	69.27%	346,835	8,258	1,312,914	1,312.91	<b>1,292.15</b>	304.63	16.95	16.78	<b>21,682.3</b>	<b>393,628</b>	5,528.6	
22' 8	12' 10	69.53%	348,116	8,288	1,317,762	1,317.76	<b>1,296.92</b>	304.63	16.95	16.82	<b>21,814.2</b>	<b>395,081</b>	5,528.6	
22' 9	12' 9	69.78%	349,397	8,319	1,322,610	1,322.61	<b>1,301.69</b>	304.63	16.95	16.86	<b>21,946.5</b>	<b>396,534</b>	5,528.6	
22' 10	12' 8	70.04%	350,677	8,349	1,327,458	1,327.46	<b>1,306.46</b>	304.63	16.95	16.90	<b>22,079.2</b>	<b>397,987</b>	5,528.6	
22' 11	12' 7	70.30%	351,958	8,380	1,332,307	1,332.31	<b>1,311.24</b>	304.63	16.95	16.94	<b>22,212.4</b>	<b>399,443</b>	5,528.6	
23' 0	12' 6	70.55%	353,239	8,410	1,337,155	1,337.16	<b>1,316.01</b>	304.63	16.95	16.99	<b>22,359.0</b>	<b>400,896</b>	5,528.6	
23' 1	12' 5	70.81%	354,520	8,441	1,342,004	1,342.0	<b>1,320.78</b>	304.63	16.95	17.03	<b>22,492.9</b>	<b>402,349</b>	5,528.6	
23' 2	12' 4	71.06%	355,801	8,471	1,346,851	1,346.85	<b>1,325.55</b>	304.63	16.95	17.07	<b>22,627.1</b>	<b>403,802</b>	5,528.6	
23' 3	12' 3	71.32%	357,081	8,502	1,351,700	1,351.70	<b>1,330.32</b>	304.63	16.95	17.11	<b>22,761.8</b>	<b>405,255</b>	5,528.6	
23' 4	12' 2	71.58%	358,362	8,532	1,356,548	1,356.55	<b>1,335.09</b>	304.63	16.95	17.15	<b>22,896.8</b>	<b>406,708</b>	5,528.6	
23' 5	12' 1	71.83%	359,643	8,563	1,361,396	1,361.40	<b>1,339.87</b>	304.63	16.95	17.19	<b>23,032.4</b>	<b>408,165</b>	5,528.6	
23' 6	12' 0	72.09%	360,924	8,593	1,366,244	1,366.24	<b>1,344.64</b>	304.63	16.96	17.24	<b>23,181.6</b>	<b>409,618</b>	5,528.6	
23' 7	11' 11	72.34%	362,204	8,624	1,371,092	1,371.09	<b>1,349.41</b>	304.63	16.96	17.28	<b>23,317.8</b>	<b>411,071</b>	5,528.6	
23' 8	11' 10	72.60%	363,485	8,654	1,375,941	1,375.94	<b>1,354.18</b>	304.63	16.96	17.32	<b>23,454.4</b>	<b>412,524</b>	5,528.6	
23' 9	11' 9	72.85%	364,766	8,685	1,380,790	1,380.79	<b>1,358.95</b>	304.63	16.96	17.36	<b>23,591.4</b>	<b>413,977</b>	5,528.6	
23' 10	11' 8	73.11%	366,047	8,715	1,385,638	1,385.64	<b>1,363.72</b>	304.63	16.96	17.40	<b>23,728.7</b>	<b>415,430</b>	5,528.6	
23' 11	11' 7	73.37%	367,328	8,746	1,390,486	1,390.49	<b>1,368.49</b>	304.63	16.96	17.44	<b>23,866.5</b>	<b>416,883</b>	5,528.6	
24' 0	11' 6	73.62%	368,608	8,776	1,395,334	1,395.33	<b>1,373.27</b>	304.63	16.96	17.49	<b>24,018.5</b>	<b>418,339</b>	5,528.6	
24' 1	11' 5	73.88%	369,889	8,807	1,400,182	1,400.18	<b>1,378.04</b>	304.63	16.96	17.53	<b>24,157.0</b>	<b>419,792</b>	5,528.6	
24' 2	11' 4	74.13%	371,170	8,837	1,405,030	1,405.03	<b>1,382.81</b>	304.63	16.96	17.57	<b>24,296.0</b>	<b>421,245</b>	5,528.6	
24' 3	11' 3	74.39%	372,451	8,868	1,409,879	1,409.88	<b>1,387.58</b>	304.63	16.96	17.61	<b>24,435.3</b>	<b>422,698</b>	5,528.6	
24' 4	11' 2	74.65%	373,731	8,898	1,414,726	1,414.73	<b>1,392.35</b>	304.63	16.96	17.65	<b>24,575.0</b>	<b>424,152</b>	5,528.6	
24' 5	11' 1	74.90%	375,012	8,929	1,419,575	1,419.58	<b>1,397.12</b>	304.63	16.96	17.70	<b>24,729.0</b>	<b>425,605</b>	5,528.6	
24' 6	11' 0	75.16%	376,293	8,959	1,424,424	1,424.42	<b>1,401.90</b>	304.63	16.96	17.74	<b>24,869.7</b>	<b>427,061</b>	5,528.6	
24' 7	10' 11	75.41%	377,574	8,990	1,429,272	1,429.27	<b>1,406.67</b>	304.63	16.96	17.78	<b>25,010.6</b>	<b>428,514</b>	5,528.6	
24' 8	10' 10	75.67%	378,854	9,020	1,434,120	1,434.12	<b>1,411.44</b>	304.63	16.96	17.82	<b>25,151.9</b>	<b>429,967</b>	5,528.6	
24' 9	10' 9	75.92%	380,135	9,051	1,438,968	1,438.97	<b>1,416.21</b>	304.63	16.96	17.86	<b>25,293.5</b>	<b>431,420</b>	5,528.6	

Tank		Oil #5 PORT												
Specific Gravity		1												
Trim		0												
Capacity		11,921 BBL												
Label(s)		Oil#5.p												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
24' 10	10' 8	76.18%	381,416	9,081	1,443,817	1,443.82	<b>1,420.98</b>	304.64	16.96	17.90	<b>25,435.5</b>	<b>432,887</b>	5,528.6	
24' 11	10' 7	76.44%	382,697	9,112	1,448,665	1,448.66	<b>1,425.75</b>	304.63	16.96	17.95	<b>25,592.2</b>	<b>434,326</b>	5,528.6	
25' 0	10' 6	76.69%	383,977	9,142	1,453,513	1,453.51	<b>1,430.52</b>	304.64	16.96	17.99	<b>25,735.1</b>	<b>435,794</b>	5,528.6	
25' 1	10' 5	76.95%	385,258	9,173	1,458,361	1,458.36	<b>1,435.30</b>	304.64	16.96	18.03	<b>25,878.5</b>	<b>437,250</b>	5,528.6	
25' 2	10' 4	77.20%	386,539	9,203	1,463,209	1,463.21	<b>1,440.07</b>	304.64	16.96	18.07	<b>26,022.1</b>	<b>438,703</b>	5,528.6	
25' 3	10' 3	77.46%	387,820	9,234	1,468,058	1,468.06	<b>1,444.84</b>	304.64	16.96	18.11	<b>26,166.1</b>	<b>440,156</b>	5,528.6	
25' 4	10' 2	77.71%	389,101	9,264	1,472,906	1,472.91	<b>1,449.61</b>	304.64	16.96	18.15	<b>26,310.4</b>	<b>441,609</b>	5,528.6	
25' 5	10' 1	77.97%	390,381	9,295	1,477,754	1,477.75	<b>1,454.38</b>	304.64	16.96	18.20	<b>26,469.7</b>	<b>443,062</b>	5,528.6	
25' 6	10' 0	78.23%	391,662	9,325	1,482,602	1,482.60	<b>1,459.15</b>	304.64	16.96	18.24	<b>26,614.9</b>	<b>444,515</b>	5,528.6	
25' 7	9' 11	78.48%	392,943	9,356	1,487,451	1,487.45	<b>1,463.93</b>	304.64	16.96	18.28	<b>26,760.6</b>	<b>445,972</b>	5,528.6	
25' 8	9' 10	78.74%	394,224	9,386	1,492,299	1,492.30	<b>1,468.70</b>	304.64	16.96	18.32	<b>26,906.6</b>	<b>447,425</b>	5,528.6	
25' 9	9' 9	78.99%	395,504	9,417	1,497,147	1,497.15	<b>1,473.47</b>	304.64	16.96	18.36	<b>27,052.9</b>	<b>448,878</b>	5,528.6	
25' 10	9' 8	79.25%	396,785	9,447	1,501,995	1,502.0	<b>1,478.24</b>	304.64	16.96	18.40	<b>27,199.6</b>	<b>450,331</b>	5,528.6	
25' 11	9' 7	79.51%	398,066	9,478	1,506,843	1,506.84	<b>1,483.01</b>	304.64	16.96	18.45	<b>27,361.5</b>	<b>451,784</b>	5,528.6	
26' 0	9' 6	79.76%	399,347	9,508	1,511,692	1,511.69	<b>1,487.78</b>	304.64	16.96	18.49	<b>27,509.1</b>	<b>453,237</b>	5,528.6	
26' 1	9' 5	80.02%	400,628	9,539	1,516,540	1,516.54	<b>1,492.56</b>	304.64	16.96	18.53	<b>27,657.1</b>	<b>454,693</b>	5,528.6	
26' 2	9' 4	80.27%	401,908	9,569	1,521,388	1,521.39	<b>1,497.33</b>	304.64	16.96	18.57	<b>27,805.4</b>	<b>456,147</b>	5,528.6	
26' 3	9' 3	80.53%	403,189	9,600	1,526,237	1,526.24	<b>1,502.10</b>	304.64	16.96	18.61	<b>27,954.1</b>	<b>457,600</b>	5,528.6	
26' 4	9' 2	80.78%	404,470	9,630	1,531,085	1,531.09	<b>1,506.87</b>	304.64	16.96	18.65	<b>28,103.1</b>	<b>459,053</b>	5,528.6	
26' 5	9' 1	81.04%	405,751	9,661	1,535,933	1,535.93	<b>1,511.64</b>	304.64	16.96	18.70	<b>28,267.7</b>	<b>460,506</b>	5,528.6	
26' 6	9' 0	81.30%	407,031	9,691	1,540,781	1,540.78	<b>1,516.41</b>	304.64	16.96	18.74	<b>28,417.5</b>	<b>461,959</b>	5,528.6	
26' 7	8' 11	81.55%	408,312	9,722	1,545,629	1,545.63	<b>1,521.18</b>	304.64	16.96	18.78	<b>28,567.8</b>	<b>463,412</b>	5,528.6	
26' 8	8' 10	81.81%	409,593	9,752	1,550,478	1,550.48	<b>1,525.96</b>	304.64	16.96	18.82	<b>28,718.6</b>	<b>464,868</b>	5,528.6	
26' 9	8' 9	82.06%	410,874	9,783	1,555,326	1,555.33	<b>1,530.73</b>	304.64	16.96	18.86	<b>28,869.6</b>	<b>466,322</b>	5,528.6	
26' 10	8' 8	82.32%	412,155	9,813	1,560,175	1,560.17	<b>1,535.50</b>	304.64	16.96	18.90	<b>29,021.0</b>	<b>467,775</b>	5,528.6	
26' 11	8' 7	82.58%	413,435	9,844	1,565,023	1,565.02	<b>1,540.27</b>	304.64	16.96	18.95	<b>29,188.1</b>	<b>469,228</b>	5,528.6	
27' 0	8' 6	82.83%	414,716	9,874	1,569,871	1,569.87	<b>1,545.04</b>	304.64	16.96	18.99	<b>29,340.3</b>	<b>470,681</b>	5,528.6	
27' 1	8' 5	83.09%	415,997	9,905	1,574,719	1,574.72	<b>1,549.81</b>	304.64	16.96	19.03	<b>29,492.9</b>	<b>472,134</b>	5,528.6	
27' 2	8' 4	83.34%	417,278	9,935	1,579,567	1,579.57	<b>1,554.59</b>	304.64	16.96	19.07	<b>29,646.0</b>	<b>473,590</b>	5,528.6	
27' 3	8' 3	83.60%	418,558	9,966	1,584,416	1,584.42	<b>1,559.36</b>	304.64	16.96	19.11	<b>29,799.4</b>	<b>475,043</b>	5,528.6	
27' 4	8' 2	83.85%	419,839	9,996	1,589,263	1,589.26	<b>1,564.13</b>	304.64	16.96	19.15	<b>29,953.1</b>	<b>476,497</b>	5,528.6	
27' 5	8' 1	84.11%	421,120	10,027	1,594,112	1,594.11	<b>1,568.90</b>	304.64	16.96	19.20	<b>30,122.9</b>	<b>477,950</b>	5,528.6	
27' 6	8' 0	84.37%	422,401	10,057	1,598,960	1,598.96	<b>1,573.67</b>	304.64	16.96	19.24	<b>30,277.4</b>	<b>479,403</b>	5,528.6	

Tank		Oil #5 PORT											
Specific Gravity		1											
Trim		0											
Capacity		11,921 BBL											
Label(s)		Oil#5.p											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
27' 7	7' 11	84.62%	423,681	10,088	1,603,808	1,603.81	<b>1,578.44</b>	304.64	16.96	19.28	<b>30,432.3</b>	<b>480,856</b>	5,528.6
27' 8	7' 10	84.88%	424,962	10,118	1,608,657	1,608.66	<b>1,583.21</b>	304.64	16.96	19.32	<b>30,587.6</b>	<b>482,309</b>	5,528.6
27' 9	7' 9	85.13%	426,243	10,149	1,613,505	1,613.50	<b>1,587.99</b>	304.64	16.97	19.36	<b>30,743.5</b>	<b>483,765</b>	5,528.6
27' 10	7' 8	85.39%	427,524	10,179	1,618,353	1,618.35	<b>1,592.76</b>	304.64	16.97	19.40	<b>30,899.5</b>	<b>485,218</b>	5,528.6
27' 11	7' 7	85.64%	428,804	10,210	1,623,201	1,623.20	<b>1,597.53</b>	304.64	16.97	19.45	<b>31,072.0</b>	<b>486,672</b>	5,528.6
28' 0	7' 6	85.90%	430,085	10,240	1,628,050	1,628.05	<b>1,602.30</b>	304.64	16.97	19.49	<b>31,228.8</b>	<b>488,125</b>	5,528.6
28' 1	7' 5	86.16%	431,366	10,271	1,632,898	1,632.90	<b>1,607.07</b>	304.64	16.97	19.53	<b>31,386.1</b>	<b>489,578</b>	5,528.6
28' 2	7' 4	86.41%	432,647	10,301	1,637,746	1,637.75	<b>1,611.84</b>	304.64	16.97	19.57	<b>31,543.7</b>	<b>491,031</b>	5,528.6
28' 3	7' 3	86.67%	433,928	10,332	1,642,594	1,642.59	<b>1,616.62</b>	304.64	16.97	19.61	<b>31,701.9</b>	<b>492,487</b>	5,528.6
28' 4	7' 2	86.92%	435,208	10,362	1,647,443	1,647.44	<b>1,621.39</b>	304.64	16.97	19.65	<b>31,860.3</b>	<b>493,940</b>	5,528.6
28' 5	7' 1	87.18%	436,489	10,393	1,652,291	1,652.29	<b>1,626.16</b>	304.64	16.97	19.70	<b>32,035.4</b>	<b>495,393</b>	5,528.6
28' 6	7' 0	87.44%	437,770	10,423	1,657,139	1,657.14	<b>1,630.93</b>	304.64	16.97	19.74	<b>32,194.6</b>	<b>496,847</b>	5,528.6
28' 7	6' 11	87.69%	439,051	10,454	1,661,988	1,661.99	<b>1,635.70</b>	304.64	16.97	19.78	<b>32,354.1</b>	<b>498,300</b>	5,528.6
28' 8	6' 10	87.95%	440,332	10,484	1,666,836	1,666.84	<b>1,640.47</b>	304.64	16.97	19.82	<b>32,514.1</b>	<b>499,753</b>	5,528.6
28' 9	6' 9	88.20%	441,612	10,515	1,671,684	1,671.68	<b>1,645.24</b>	304.64	16.97	19.86	<b>32,674.5</b>	<b>501,206</b>	5,528.6
28' 10	6' 8	88.46%	442,893	10,545	1,676,532	1,676.53	<b>1,650.02</b>	304.64	16.97	19.90	<b>32,835.4</b>	<b>502,662</b>	5,528.6
28' 11	6' 7	88.71%	444,174	10,576	1,681,380	1,681.38	<b>1,654.79</b>	304.64	16.97	19.95	<b>33,013.1</b>	<b>504,115</b>	5,528.6
29' 0	6' 6	88.97%	445,454	10,606	1,686,228	1,686.23	<b>1,659.56</b>	304.64	16.97	19.99	<b>33,174.6</b>	<b>505,568</b>	5,528.6
29' 1	6' 5	89.23%	446,735	10,637	1,691,077	1,691.08	<b>1,664.33</b>	304.64	16.97	20.03	<b>33,336.5</b>	<b>507,021</b>	5,528.6
29' 2	6' 4	89.48%	448,016	10,667	1,695,925	1,695.93	<b>1,669.10</b>	304.64	16.97	20.07	<b>33,498.8</b>	<b>508,475</b>	5,528.6
29' 3	6' 3	89.74%	449,297	10,698	1,700,773	1,700.77	<b>1,673.88</b>	304.64	16.97	20.11	<b>33,661.7</b>	<b>509,931</b>	5,528.6
29' 4	6' 2	89.99%	450,578	10,728	1,705,622	1,705.62	<b>1,678.65</b>	304.64	16.97	20.15	<b>33,824.8</b>	<b>511,384</b>	5,528.6
29' 5	6' 1	90.25%	451,858	10,759	1,710,470	1,710.47	<b>1,683.42</b>	304.64	16.97	20.20	<b>34,005.1</b>	<b>512,837</b>	5,528.6
29' 6	6' 0	90.51%	453,139	10,789	1,715,318	1,715.32	<b>1,688.19</b>	304.64	16.97	20.24	<b>34,169.0</b>	<b>514,290</b>	5,528.6
29' 7	5' 11	90.76%	454,420	10,820	1,720,166	1,720.17	<b>1,692.96</b>	304.64	16.97	20.28	<b>34,333.2</b>	<b>515,743</b>	5,528.6
29' 8	5' 10	91.02%	455,701	10,850	1,725,014	1,725.01	<b>1,697.73</b>	304.64	16.97	20.32	<b>34,497.9</b>	<b>517,196</b>	5,528.6
29' 9	5' 9	91.27%	456,981	10,881	1,729,863	1,729.86	<b>1,702.50</b>	304.64	16.97	20.36	<b>34,662.9</b>	<b>518,650</b>	5,528.6
29' 10	5' 8	91.53%	458,262	10,911	1,734,711	1,734.71	<b>1,707.28</b>	304.64	16.97	20.40	<b>34,828.5</b>	<b>520,106</b>	5,528.6
29' 11	5' 7	91.78%	459,543	10,942	1,739,560	1,739.56	<b>1,712.05</b>	304.64	16.97	20.45	<b>35,011.4</b>	<b>521,559</b>	5,528.6
30' 0	5' 6	92.04%	460,824	10,972	1,744,407	1,744.41	<b>1,716.82</b>	304.64	16.97	20.49	<b>35,177.6</b>	<b>523,012</b>	5,528.6
30' 1	5' 5	92.30%	462,105	11,002	1,749,256	1,749.26	<b>1,721.59</b>	304.64	16.97	20.53	<b>35,344.2</b>	<b>524,465</b>	5,528.6
30' 2	5' 4	92.55%	463,385	11,033	1,754,104	1,754.10	<b>1,726.36</b>	304.64	16.97	20.57	<b>35,511.2</b>	<b>525,918</b>	5,528.6
30' 3	5' 3	92.81%	464,666	11,063	1,758,953	1,758.95	<b>1,731.13</b>	304.64	16.97	20.61	<b>35,678.6</b>	<b>527,371</b>	5,528.6

Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
30' 4	5' 2	93.06%	465,947	11,094	1,763,801	1,763.80	<b>1,735.91</b>	304.64	16.97	20.65	<b>35,846.5</b>	<b>528,828</b>	5,528.6
30' 5	5' 1	93.32%	467,228	11,124	1,768,649	1,768.65	<b>1,740.68</b>	304.64	16.97	20.70	<b>36,032.1</b>	<b>530,281</b>	5,528.6
30' 6	5' 0	93.57%	468,508	11,155	1,773,497	1,773.50	<b>1,745.45</b>	304.64	16.97	20.74	<b>36,200.6</b>	<b>531,734</b>	5,528.6
30' 7	4' 11	93.83%	469,789	11,185	1,778,345	1,778.35	<b>1,750.22</b>	304.64	16.97	20.78	<b>36,369.6</b>	<b>533,187</b>	5,528.6
30' 8	4' 10	94.09%	471,070	11,216	1,783,194	1,783.19	<b>1,754.99</b>	304.64	16.97	20.82	<b>36,538.9</b>	<b>534,640</b>	5,528.6
30' 9	4' 9	94.34%	472,351	11,246	1,788,042	1,788.04	<b>1,759.76</b>	304.64	16.97	20.86	<b>36,708.6</b>	<b>536,093</b>	5,528.6
30' 10	4' 8	94.60%	473,632	11,277	1,792,890	1,792.89	<b>1,764.54</b>	304.64	16.97	20.90	<b>36,878.9</b>	<b>537,549</b>	5,528.6
30' 11	4' 7	94.85%	474,912	11,307	1,797,738	1,797.74	<b>1,769.31</b>	304.64	16.97	20.95	<b>37,067.0</b>	<b>539,003</b>	5,528.6
31' 0	4' 6	95.11%	476,193	11,338	1,802,587	1,802.59	<b>1,774.08</b>	304.64	16.97	20.99	<b>37,237.9</b>	<b>540,456</b>	5,528.6
31' 1	4' 5	95.37%	477,474	11,368	1,807,435	1,807.43	<b>1,778.85</b>	304.64	16.97	21.03	<b>37,409.2</b>	<b>541,909</b>	5,528.6
31' 2	4' 4	95.62%	478,755	11,399	1,812,283	1,812.28	<b>1,783.62</b>	304.64	16.97	21.07	<b>37,580.9</b>	<b>543,362</b>	5,528.6
31' 3	4' 3	95.88%	480,035	11,429	1,817,131	1,817.13	<b>1,788.39</b>	304.64	16.97	21.11	<b>37,752.9</b>	<b>544,815</b>	5,528.6
31' 4	4' 2	96.13%	481,316	11,460	1,821,979	1,821.98	<b>1,793.16</b>	304.64	16.97	21.15	<b>37,925.3</b>	<b>546,268</b>	5,528.6
31' 5	4' 1	96.39%	482,597	11,490	1,826,827	1,826.83	<b>1,797.93</b>	304.64	16.97	21.20	<b>38,116.1</b>	<b>547,721</b>	5,528.6
31' 6	4' 0	96.64%	483,878	11,521	1,831,677	1,831.68	<b>1,802.71</b>	304.64	16.97	21.24	<b>38,289.6</b>	<b>549,178</b>	5,528.6
31' 7	3' 11	96.90%	485,158	11,551	1,836,524	1,836.52	<b>1,807.48</b>	304.64	16.97	21.28	<b>38,463.2</b>	<b>550,631</b>	5,528.6
31' 8	3' 10	97.16%	486,439	11,582	1,841,373	1,841.37	<b>1,812.25</b>	304.64	16.97	21.32	<b>38,637.2</b>	<b>552,084</b>	5,528.6
31' 9	3' 9	97.41%	487,720	11,612	1,846,221	1,846.22	<b>1,817.02</b>	304.64	16.97	21.36	<b>38,811.5</b>	<b>553,537</b>	5,528.6
31' 10	3' 8	97.67%	489,001	11,643	1,851,069	1,851.07	<b>1,821.79</b>	304.64	16.97	21.40	<b>38,986.3</b>	<b>554,990</b>	5,528.6
31' 11	3' 7	97.92%	490,282	11,673	1,855,918	1,855.92	<b>1,826.57</b>	304.64	16.97	21.45	<b>39,179.9</b>	<b>556,446</b>	5,528.6
32' 0	3' 6	98.18%	491,562	11,704	1,860,765	1,860.77	<b>1,831.34</b>	304.64	16.97	21.49	<b>39,355.5</b>	<b>557,899</b>	5,528.6
32' 1	3' 5	98.44%	492,843	11,734	1,865,613	1,865.61	<b>1,836.11</b>	304.64	16.97	21.53	<b>39,531.4</b>	<b>559,353</b>	5,528.6
32' 2	3' 4	98.69%	494,109	11,765	1,870,407	1,870.41	<b>1,840.83</b>	304.64	16.97	21.57	<b>39,706.7</b>	<b>560,790</b>	4,831.5
32' 3	3' 3	98.92%	495,279	11,792	1,874,834	1,874.83	<b>1,845.18</b>	304.64	16.97	21.61	<b>39,874.3</b>	<b>562,116</b>	3,645.0
32' 4	3' 2	99.13%	496,339	11,818	1,878,847	1,878.85	<b>1,849.13</b>	304.64	16.96	21.64	<b>40,015.2</b>	<b>563,319</b>	2,668.9
32' 5	3' 1	99.32%	497,288	11,840	1,882,441	1,882.44	<b>1,852.67</b>	304.64	16.95	21.67	<b>40,147.4</b>	<b>564,397</b>	1,884.6
32' 6	3' 0	99.49%	498,128	11,860	1,885,620	1,885.62	<b>1,855.80</b>	304.64	16.94	21.70	<b>40,270.9</b>	<b>565,351</b>	1,272.0
32' 7	2' 11	99.64%	498,858	11,878	1,888,383	1,888.38	<b>1,858.52</b>	304.64	16.93	21.72	<b>40,367.1</b>	<b>566,180</b>	808.7
32' 8	2' 10	99.76%	499,478	11,892	1,890,729	1,890.73	<b>1,860.83</b>	304.64	16.92	21.74	<b>40,454.4</b>	<b>566,883</b>	474.3
32' 9	2' 9	99.86%	499,988	11,904	1,892,660	1,892.66	<b>1,862.73</b>	304.64	16.91	21.76	<b>40,533.0</b>	<b>567,462</b>	247.6
32' 10	2' 8	99.94%	500,388	11,914	1,894,173	1,894.17	<b>1,864.21</b>	304.64	16.90	21.77	<b>40,583.9</b>	<b>567,913</b>	108.0
32' 11	2' 7	100.00%	500,678	11,921	1,895,272	1,895.27	<b>1,865.30</b>	304.64	16.90	21.78	<b>40,626.2</b>	<b>568,245</b>	34.3

Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
0' 1	35' 5	0	1975	47	7476	7	7	304	8	5	40	2236	1890
0' 2	35' 4	0	2958	70	11196	11	11	304	10	6	61	3349	3435
0' 3	35' 3	0	4139	99	15668	16	15	304	11	6	86	4686	5412
0' 4	35' 2	0	5407	129	20467	20	20	304	13	6	113	6122	5444
0' 5	35' 1	0	6682	159	25295	25	25	304	14	6	141	7568	5482
0' 6	35' 0	0	7963	190	30143	30	30	304	14	6	170	9024	5513
0' 7	34' 11	0	9246	220	35001	35	34	304	14	6	199	10480	5528
0' 8	34' 10	0	10531	251	39864	40	39	304	15	6	228	11936	5537
0' 9	34' 9	0	11816	281	44728	45	44	304	15	6	258	13395	5543
0' 10	34' 8	0	13101	312	49594	50	49	304	15	6	288	14854	5546
0' 11	34' 7	0	14387	343	54461	54	54	304	15	6	319	16313	5549
1' 0	34' 6	0	15673	373	59329	59	58	304	16	6	350	17773	5550
1' 1	34' 5	0	16959	404	64197	64	63	304	16	6	381	19232	5551
1' 2	34' 4	0	18245	434	69064	69	68	304	16	6	413	20691	5551
1' 3	34' 3	0	19531	465	73932	74	73	304	16	6	445	22150	5551
1' 4	34' 2	0	20817	496	78800	79	78	304	16	6	478	23609	5551
1' 5	34' 1	0	22103	526	83668	84	82	304	16	6	511	25069	5551
1' 6	34' 0	0	23389	557	88536	89	87	304	16	6	544	26532	5551
1' 7	33' 11	0	24675	587	93404	93	92	304	16	6	578	27991	5551
1' 8	33' 10	0	25961	618	98272	98	97	304	16	6	612	29449	5551
1' 9	33' 9	0	27247	649	103140	103	102	304	16	6	647	30909	5551
1' 10	33' 8	0	28533	679	108008	108	106	305	16	6	681	32368	5551
1' 11	33' 7	0	29819	710	112876	113	111	305	16	6	717	33827	5551
2' 0	33' 6	0	31105	741	117744	118	116	305	16	7	753	35287	5551
2' 1	33' 5	0	32391	771	122612	123	121	305	16	7	789	36746	5551
2' 2	33' 4	0	33677	802	127479	127	125	305	16	7	826	38205	5551
2' 3	33' 3	0	34962	832	132347	132	130	305	16	7	862	39665	5551
2' 4	33' 2	0	36248	863	137215	137	135	305	16	7	899	41127	5551
2' 5	33' 1	0	37534	894	142083	142	140	305	16	7	938	42585	5551
2' 6	33' 0	0	38820	924	146951	147	145	305	16	7	976	44046	5551
2' 7	32' 11	0	40106	955	151819	152	149	305	16	7	1015	45504	5551
2' 8	32' 10	0	41392	986	156687	157	154	305	16	7	1053	46963	5551
2' 9	32' 9	0	42678	1016	161555	162	159	305	16	7	1092	48423	5551

Tank		Oil #5 STBD												
Specific Gravity		1												
Trim		0												
Capacity		11,971 BBL												
Label(s)		Oil#5.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
2' 10	32' 8	0	43964	1047	166423	166	164	305	16	7	1133	49882	5551	
2' 11	32' 7	0	45250	1077	171291	171	169	305	17	7	1173	51341	5551	
3' 0	32' 6	0	46536	1108	176159	176	173	305	17	7	1214	52802	5551	
3' 1	32' 5	9.51%	47,822	1,139	181,026	181.03	178.16	304.56	16.53	7.04	1,254.2	54,260	5,551.0	
3' 2	32' 4	9.77%	49,108	1,169	185,894	185.89	182.95	304.56	16.54	7.08	1,295.3	55,719	5,551.0	
3' 3	32' 3	10.02%	50,394	1,200	190,762	190.76	187.75	304.56	16.55	7.12	1,336.8	57,181	5,551.0	
3' 4	32' 2	10.28%	51,680	1,230	195,630	195.63	192.54	304.56	16.56	7.17	1,380.5	58,640	5,551.0	
3' 5	32' 1	10.53%	52,966	1,261	200,498	200.50	197.33	304.57	16.58	7.21	1,422.7	60,101	5,551.0	
3' 6	32' 0	10.79%	54,252	1,292	205,366	205.37	202.12	304.57	16.59	7.25	1,465.4	61,560	5,551.0	
3' 7	31' 11	11.05%	55,538	1,322	210,234	210.23	206.91	304.57	16.60	7.29	1,508.4	63,019	5,551.0	
3' 8	31' 10	11.30%	56,824	1,353	215,102	215.10	211.70	304.57	16.61	7.33	1,551.8	64,477	5,551.0	
3' 9	31' 9	11.56%	58,110	1,384	219,970	219.97	216.49	304.57	16.61	7.37	1,595.5	65,936	5,551.0	
3' 10	31' 8	11.81%	59,396	1,414	224,838	224.84	221.28	304.58	16.62	7.42	1,641.9	67,397	5,551.0	
3' 11	31' 7	12.07%	60,682	1,445	229,706	229.71	226.07	304.58	16.63	7.46	1,686.5	68,856	5,551.0	
4' 0	31' 6	12.32%	61,968	1,475	234,574	234.57	230.86	304.58	16.64	7.50	1,731.5	70,315	5,551.0	
4' 1	31' 5	12.58%	63,254	1,506	239,441	239.44	235.65	304.58	16.65	7.54	1,776.8	71,774	5,551.0	
4' 2	31' 4	12.84%	64,540	1,537	244,309	244.31	240.45	304.58	16.66	7.58	1,822.6	73,236	5,551.0	
4' 3	31' 3	13.09%	65,826	1,567	249,177	249.18	245.24	304.58	16.66	7.63	1,871.2	74,695	5,551.0	
4' 4	31' 2	13.35%	67,112	1,598	254,045	254.05	250.03	304.58	16.67	7.67	1,917.7	76,154	5,551.0	
4' 5	31' 1	13.60%	68,398	1,629	258,913	258.91	254.82	304.58	16.68	7.71	1,964.7	77,613	5,551.0	
4' 6	31' 0	13.86%	69,684	1,659	263,781	263.78	259.61	304.59	16.68	7.75	2,012.0	79,075	5,551.0	
4' 7	30' 11	14.11%	70,970	1,690	268,649	268.65	264.40	304.59	16.69	7.79	2,059.7	80,534	5,551.0	
4' 8	30' 10	14.37%	72,256	1,720	273,517	273.52	269.19	304.59	16.69	7.83	2,107.8	81,993	5,551.0	
4' 9	30' 9	14.63%	73,541	1,751	278,385	278.38	273.98	304.59	16.70	7.88	2,159.0	83,452	5,551.0	
4' 10	30' 8	14.88%	74,827	1,782	283,253	283.25	278.77	304.59	16.71	7.92	2,207.9	84,911	5,551.0	
4' 11	30' 7	15.14%	76,113	1,812	288,121	288.12	283.56	304.59	16.71	7.96	2,257.1	86,370	5,551.0	
5' 0	30' 6	15.39%	77,399	1,843	292,989	292.99	288.35	304.59	16.72	8.00	2,306.8	87,829	5,551.0	
5' 1	30' 5	15.65%	78,685	1,873	297,857	297.86	293.15	304.59	16.72	8.04	2,356.9	89,291	5,551.0	
5' 2	30' 4	15.91%	79,971	1,904	302,724	302.72	297.94	304.59	16.73	8.08	2,407.4	90,750	5,551.0	
5' 3	30' 3	16.16%	81,257	1,935	307,592	307.59	302.73	304.59	16.73	8.13	2,461.2	92,209	5,551.0	
5' 4	30' 2	16.42%	82,543	1,965	312,460	312.46	307.52	304.59	16.73	8.17	2,512.4	93,668	5,551.0	
5' 5	30' 1	16.67%	83,829	1,996	317,328	317.33	312.31	304.60	16.74	8.21	2,564.1	95,130	5,551.0	
5' 6	30' 0	16.93%	85,115	2,027	322,196	322.20	317.10	304.60	16.74	8.25	2,616.1	96,589	5,551.0	



Tank		Oil #5 STBD											
Specific Gravity		1											
Trim		0											
Capacity		11,971 BBL											
Label(s)		Oil#5.s											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
5' 7	29' 11	17.18%	86,401	2,057	327,064	327.06	<b>321.89</b>	304.60	16.75	8.29	<b>2,668.5</b>	<b>98,048</b>	5,551.0
5' 8	29' 10	17.44%	87,687	2,088	331,932	331.93	<b>326.68</b>	304.60	16.75	8.33	<b>2,721.2</b>	<b>99,507</b>	5,551.0
5' 9	29' 9	17.70%	88,973	2,118	336,800	336.80	<b>331.47</b>	304.60	16.76	8.38	<b>2,777.7</b>	<b>100,966</b>	5,551.0
5' 10	29' 8	17.95%	90,259	2,149	341,668	341.67	<b>336.26</b>	304.60	16.76	8.42	<b>2,831.3</b>	<b>102,425</b>	5,551.0
5' 11	29' 7	18.21%	91,545	2,180	346,536	346.54	<b>341.06</b>	304.60	16.76	8.46	<b>2,885.4</b>	<b>103,887</b>	5,551.0
6' 0	29' 6	18.46%	92,831	2,210	351,404	351.40	<b>345.85</b>	304.60	16.77	8.50	<b>2,939.7</b>	<b>105,346</b>	5,551.0
6' 1	29' 5	18.72%	94,117	2,241	356,272	356.27	<b>350.64</b>	304.60	16.77	8.54	<b>2,994.5</b>	<b>106,805</b>	5,551.0
6' 2	29' 4	18.97%	95,403	2,271	361,140	361.14	<b>355.43</b>	304.60	16.77	8.58	<b>3,049.6</b>	<b>108,264</b>	5,551.0
6' 3	29' 3	19.23%	96,689	2,302	366,007	366.01	<b>360.22</b>	304.60	16.78	8.63	<b>3,108.7</b>	<b>109,723</b>	5,551.0
6' 4	29' 2	19.49%	97,975	2,333	370,875	370.88	<b>365.01</b>	304.60	16.78	8.67	<b>3,164.6</b>	<b>111,182</b>	5,551.0
6' 5	29' 1	19.74%	99,261	2,363	375,743	375.74	<b>369.80</b>	304.60	16.78	8.71	<b>3,221.0</b>	<b>112,641</b>	5,551.0
6' 6	29' 0	20.00%	100,547	2,394	380,611	380.61	<b>374.59</b>	304.60	16.79	8.75	<b>3,277.7</b>	<b>114,100</b>	5,551.0
6' 7	28' 11	20.25%	101,833	2,425	385,479	385.48	<b>379.38</b>	304.60	16.79	8.79	<b>3,334.8</b>	<b>115,559</b>	5,551.0
6' 8	28' 10	20.51%	103,119	2,455	390,347	390.35	<b>384.17</b>	304.61	16.79	8.83	<b>3,392.2</b>	<b>117,022</b>	5,551.0
6' 9	28' 9	20.76%	104,405	2,486	395,215	395.22	<b>388.96</b>	304.61	16.79	8.88	<b>3,454.0</b>	<b>118,481</b>	5,551.0
6' 10	28' 8	21.02%	105,691	2,516	400,083	400.08	<b>393.76</b>	304.61	16.80	8.92	<b>3,512.3</b>	<b>119,943</b>	5,551.0
6' 11	28' 7	21.28%	106,977	2,547	404,951	404.95	<b>398.55</b>	304.61	16.80	8.96	<b>3,571.0</b>	<b>121,402</b>	5,551.0
7' 0	28' 6	21.53%	108,263	2,578	409,819	409.82	<b>403.34</b>	304.61	16.80	9.00	<b>3,630.1</b>	<b>122,861</b>	5,551.0
7' 1	28' 5	21.79%	109,549	2,608	414,687	414.69	<b>408.13</b>	304.61	16.81	9.04	<b>3,689.5</b>	<b>124,320</b>	5,551.0
7' 2	28' 4	22.04%	110,835	2,639	419,555	419.55	<b>412.92</b>	304.61	16.81	9.08	<b>3,749.3</b>	<b>125,780</b>	5,551.0
7' 3	28' 3	22.30%	112,121	2,670	424,422	424.42	<b>417.71</b>	304.61	16.81	9.13	<b>3,813.7</b>	<b>127,239</b>	5,551.0
7' 4	28' 2	22.56%	113,407	2,700	429,290	429.29	<b>422.50</b>	304.61	16.81	9.17	<b>3,874.3</b>	<b>128,698</b>	5,551.0
7' 5	28' 1	22.81%	114,693	2,731	434,158	434.16	<b>427.29</b>	304.61	16.81	9.21	<b>3,935.3</b>	<b>130,157</b>	5,551.0
7' 6	28' 0	23.07%	115,979	2,761	439,026	439.03	<b>432.08</b>	304.61	16.82	9.25	<b>3,996.7</b>	<b>131,616</b>	5,551.0
7' 7	27' 11	23.32%	117,264	2,792	443,894	443.89	<b>436.87</b>	304.61	16.82	9.29	<b>4,058.5</b>	<b>133,075</b>	5,551.0
7' 8	27' 10	23.58%	118,550	2,823	448,762	448.76	<b>441.66</b>	304.61	16.82	9.33	<b>4,120.7</b>	<b>134,534</b>	5,551.0
7' 9	27' 9	23.83%	119,836	2,853	453,630	453.63	<b>446.46</b>	304.61	16.82	9.38	<b>4,187.8</b>	<b>135,996</b>	5,551.0
7' 10	27' 8	24.09%	121,122	2,884	458,498	458.50	<b>451.25</b>	304.61	16.83	9.42	<b>4,250.8</b>	<b>137,455</b>	5,551.0
7' 11	27' 7	24.35%	122,408	2,914	463,366	463.37	<b>456.04</b>	304.61	16.83	9.46	<b>4,314.1</b>	<b>138,914</b>	5,551.0
8' 0	27' 6	24.60%	123,694	2,945	468,234	468.23	<b>460.83</b>	304.61	16.83	9.50	<b>4,377.9</b>	<b>140,373</b>	5,551.0
8' 1	27' 5	24.86%	124,980	2,976	473,102	473.10	<b>465.62</b>	304.61	16.83	9.54	<b>4,442.0</b>	<b>141,833</b>	5,551.0
8' 2	27' 4	25.11%	126,266	3,006	477,970	477.97	<b>470.41</b>	304.61	16.83	9.58	<b>4,506.5</b>	<b>143,292</b>	5,551.0
8' 3	27' 3	25.37%	127,552	3,037	482,838	482.84	<b>475.20</b>	304.61	16.84	9.63	<b>4,576.2</b>	<b>144,751</b>	5,551.0

Tank		Oil #5 STBD											
Specific Gravity		1											
Trim		0											
Capacity		11,971 BBL											
Label(s)		Oil#5.s											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
8' 4	27' 2	25.62%	128,838	3,068	487,705	487.71	<b>479.99</b>	304.61	16.84	9.67	<b>4,641.5</b>	<b>146,210</b>	5,551.0
8' 5	27' 1	25.88%	130,124	3,098	492,573	492.57	<b>484.78</b>	304.61	16.84	9.71	<b>4,707.2</b>	<b>147,669</b>	5,551.0
8' 6	27' 0	26.14%	131,410	3,129	497,441	497.44	<b>489.57</b>	304.61	16.84	9.75	<b>4,773.3</b>	<b>149,128</b>	5,551.0
8' 7	26' 11	26.39%	132,696	3,159	502,309	502.31	<b>494.36</b>	304.61	16.84	9.79	<b>4,839.8</b>	<b>150,587</b>	5,551.0
8' 8	26' 10	26.65%	133,982	3,190	507,177	507.18	<b>499.16</b>	304.61	16.84	9.84	<b>4,911.7</b>	<b>152,049</b>	5,551.0
8' 9	26' 9	26.90%	135,268	3,221	512,045	512.04	<b>503.95</b>	304.61	16.85	9.88	<b>4,979.0</b>	<b>153,508</b>	5,551.0
8' 10	26' 8	27.16%	136,554	3,251	516,913	516.91	<b>508.74</b>	304.62	16.85	9.92	<b>5,046.7</b>	<b>154,972</b>	5,551.0
8' 11	26' 7	27.41%	137,840	3,282	521,781	521.78	<b>513.53</b>	304.62	16.85	9.96	<b>5,114.8</b>	<b>156,432</b>	5,551.0
9' 0	26' 6	27.67%	139,126	3,313	526,648	526.65	<b>518.32</b>	304.62	16.85	10.00	<b>5,183.2</b>	<b>157,891</b>	5,551.0
9' 1	26' 5	27.93%	140,412	3,343	531,516	531.52	<b>523.11</b>	304.62	16.85	10.04	<b>5,252.0</b>	<b>159,350</b>	5,551.0
9' 2	26' 4	28.18%	141,698	3,374	536,384	536.38	<b>527.90</b>	304.62	16.85	10.09	<b>5,326.5</b>	<b>160,809</b>	5,551.0
9' 3	26' 3	28.44%	142,984	3,404	541,252	541.25	<b>532.69</b>	304.62	16.86	10.13	<b>5,396.1</b>	<b>162,268</b>	5,551.0
9' 4	26' 2	28.69%	144,270	3,435	546,120	546.12	<b>537.48</b>	304.62	16.86	10.17	<b>5,466.2</b>	<b>163,727</b>	5,551.0
9' 5	26' 1	28.95%	145,556	3,466	550,988	550.99	<b>542.27</b>	304.62	16.86	10.21	<b>5,536.6</b>	<b>165,186</b>	5,551.0
9' 6	26' 0	29.21%	146,842	3,496	555,856	555.86	<b>547.06</b>	304.62	16.86	10.25	<b>5,607.4</b>	<b>166,645</b>	5,551.0
9' 7	25' 11	29.46%	148,128	3,527	560,724	560.72	<b>551.86</b>	304.62	16.86	10.29	<b>5,678.6</b>	<b>168,108</b>	5,551.0
9' 8	25' 10	29.72%	149,414	3,557	565,592	565.59	<b>556.65</b>	304.62	16.86	10.34	<b>5,755.8</b>	<b>169,567</b>	5,551.0
9' 9	25' 9	29.97%	150,700	3,588	570,460	570.46	<b>561.44</b>	304.62	16.86	10.38	<b>5,827.7</b>	<b>171,026</b>	5,551.0
9' 10	25' 8	30.23%	151,986	3,619	575,328	575.33	<b>566.23</b>	304.62	16.87	10.42	<b>5,900.1</b>	<b>172,485</b>	5,551.0
9' 11	25' 7	30.48%	153,271	3,649	580,195	580.20	<b>571.02</b>	304.62	16.87	10.46	<b>5,972.9</b>	<b>173,944</b>	5,551.0
10' 0	25' 6	30.74%	154,557	3,680	585,063	585.06	<b>575.81</b>	304.62	16.87	10.50	<b>6,046.0</b>	<b>175,403</b>	5,551.0
10' 1	25' 5	31.00%	155,843	3,711	589,931	589.93	<b>580.60</b>	304.62	16.87	10.54	<b>6,119.5</b>	<b>176,862</b>	5,551.0
10' 2	25' 4	31.25%	157,129	3,741	594,799	594.80	<b>585.39</b>	304.62	16.87	10.59	<b>6,199.3</b>	<b>178,322</b>	5,551.0
10' 3	25' 3	31.51%	158,415	3,772	599,667	599.67	<b>590.18</b>	304.62	16.87	10.63	<b>6,273.6</b>	<b>179,781</b>	5,551.0
10' 4	25' 2	31.76%	159,701	3,802	604,535	604.53	<b>594.97</b>	304.62	16.87	10.67	<b>6,348.3</b>	<b>181,240</b>	5,551.0
10' 5	25' 1	32.02%	160,987	3,833	609,403	609.40	<b>599.76</b>	304.62	16.87	10.71	<b>6,423.4</b>	<b>182,699</b>	5,551.0
10' 6	25' 0	32.27%	162,273	3,864	614,271	614.27	<b>604.56</b>	304.62	16.88	10.75	<b>6,499.0</b>	<b>184,161</b>	5,551.0
10' 7	24' 11	32.53%	163,559	3,894	619,139	619.14	<b>609.35</b>	304.62	16.88	10.79	<b>6,574.9</b>	<b>185,620</b>	5,551.0
10' 8	24' 10	32.79%	164,845	3,925	624,007	624.01	<b>614.14</b>	304.62	16.88	10.84	<b>6,657.3</b>	<b>187,079</b>	5,551.0
10' 9	24' 9	33.04%	166,131	3,956	628,874	628.87	<b>618.93</b>	304.62	16.88	10.88	<b>6,734.0</b>	<b>188,538</b>	5,551.0
10' 10	24' 8	33.30%	167,417	3,986	633,742	633.74	<b>623.72</b>	304.62	16.88	10.92	<b>6,811.0</b>	<b>189,998</b>	5,551.0
10' 11	24' 7	33.55%	168,703	4,017	638,610	638.61	<b>628.51</b>	304.62	16.88	10.96	<b>6,888.5</b>	<b>191,457</b>	5,551.0
11' 0	24' 6	33.81%	169,989	4,047	643,478	643.48	<b>633.30</b>	304.62	16.88	11.00	<b>6,966.3</b>	<b>192,916</b>	5,551.0

Tank		Oil #5 STBD												
Specific Gravity		1												
Trim		0												
Capacity		11,971 BBL												
Label(s)		Oil#5.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
11' 1	24' 5	34.06%	171,275	4,078	648,346	648.35	<b>638.09</b>	304.62	16.88	11.04	<b>7,044.5</b>	<b>194,375</b>	5,551.0	
11' 2	24' 4	34.32%	172,561	4,109	653,214	653.21	<b>642.88</b>	304.62	16.88	11.09	<b>7,129.5</b>	<b>195,834</b>	5,551.0	
11' 3	24' 3	34.58%	173,847	4,139	658,082	658.08	<b>647.67</b>	304.62	16.88	11.13	<b>7,208.6</b>	<b>197,293</b>	5,551.0	
11' 4	24' 2	34.83%	175,133	4,170	662,950	662.95	<b>652.46</b>	304.62	16.89	11.17	<b>7,288.0</b>	<b>198,752</b>	5,551.0	
11' 5	24' 1	35.09%	176,419	4,200	667,817	667.82	<b>657.26</b>	304.62	16.89	11.21	<b>7,367.9</b>	<b>200,215</b>	5,551.0	
11' 6	24' 0	35.34%	177,705	4,231	672,685	672.69	<b>662.05</b>	304.62	16.89	11.25	<b>7,448.1</b>	<b>201,674</b>	5,551.0	
11' 7	23' 11	35.60%	178,991	4,262	677,553	677.55	<b>666.84</b>	304.62	16.89	11.29	<b>7,528.6</b>	<b>203,133</b>	5,551.0	
11' 8	23' 10	35.85%	180,277	4,292	682,422	682.42	<b>671.63</b>	304.62	16.89	11.34	<b>7,616.3</b>	<b>204,592</b>	5,551.0	
11' 9	23' 9	36.11%	181,563	4,323	687,289	687.29	<b>676.42</b>	304.62	16.89	11.38	<b>7,697.7</b>	<b>206,051</b>	5,551.0	
11' 10	23' 8	36.37%	182,849	4,354	692,157	692.16	<b>681.21</b>	304.62	16.89	11.42	<b>7,779.4</b>	<b>207,510</b>	5,551.0	
11' 11	23' 7	36.62%	184,135	4,384	697,025	697.02	<b>686.0</b>	304.62	16.89	11.46	<b>7,861.6</b>	<b>208,969</b>	5,551.0	
12' 0	23' 6	36.88%	185,421	4,415	701,893	701.89	<b>690.79</b>	304.62	16.89	11.50	<b>7,944.1</b>	<b>210,428</b>	5,551.0	
12' 1	23' 5	37.13%	186,707	4,445	706,761	706.76	<b>695.58</b>	304.62	16.89	11.54	<b>8,027.0</b>	<b>211,888</b>	5,551.0	
12' 2	23' 4	37.39%	187,993	4,476	711,629	711.63	<b>700.37</b>	304.62	16.89	11.59	<b>8,117.3</b>	<b>213,347</b>	5,551.0	
12' 3	23' 3	37.65%	189,278	4,507	716,496	716.50	<b>705.16</b>	304.62	16.90	11.63	<b>8,201.0</b>	<b>214,806</b>	5,551.0	
12' 4	23' 2	37.90%	190,564	4,537	721,364	721.36	<b>709.96</b>	304.62	16.90	11.67	<b>8,285.2</b>	<b>216,268</b>	5,551.0	
12' 5	23' 1	38.16%	191,850	4,568	726,232	726.23	<b>714.75</b>	304.62	16.90	11.71	<b>8,369.7</b>	<b>217,727</b>	5,551.0	
12' 6	23' 0	38.41%	193,136	4,598	731,100	731.10	<b>719.54</b>	304.62	16.90	11.75	<b>8,454.6</b>	<b>219,186</b>	5,551.0	
12' 7	22' 11	38.67%	194,422	4,629	735,968	735.97	<b>724.33</b>	304.62	16.90	11.79	<b>8,539.9</b>	<b>220,645</b>	5,551.0	
12' 8	22' 10	38.92%	195,708	4,660	740,836	740.84	<b>729.12</b>	304.62	16.90	11.84	<b>8,632.8</b>	<b>222,105</b>	5,551.0	
12' 9	22' 9	39.18%	196,994	4,690	745,704	745.70	<b>733.91</b>	304.62	16.90	11.88	<b>8,718.9</b>	<b>223,564</b>	5,551.0	
12' 10	22' 8	39.44%	198,280	4,721	750,572	750.57	<b>738.70</b>	304.62	16.90	11.92	<b>8,805.3</b>	<b>225,023</b>	5,551.0	
12' 11	22' 7	39.69%	199,566	4,752	755,440	755.44	<b>743.49</b>	304.62	16.90	11.96	<b>8,892.1</b>	<b>226,482</b>	5,551.0	
13' 0	22' 6	39.95%	200,852	4,782	760,308	760.31	<b>748.28</b>	304.63	16.90	12.00	<b>8,979.4</b>	<b>227,949</b>	5,551.0	
13' 1	22' 5	40.20%	202,138	4,813	765,176	765.18	<b>753.07</b>	304.63	16.90	12.04	<b>9,067.0</b>	<b>229,408</b>	5,551.0	
13' 2	22' 4	40.46%	203,424	4,843	770,043	770.04	<b>757.86</b>	304.63	16.90	12.09	<b>9,162.5</b>	<b>230,867</b>	5,551.0	
13' 3	22' 3	40.71%	204,710	4,874	774,911	774.91	<b>762.66</b>	304.63	16.91	12.13	<b>9,251.1</b>	<b>232,329</b>	5,551.0	
13' 4	22' 2	40.97%	205,996	4,905	779,779	779.78	<b>767.45</b>	304.63	16.91	12.17	<b>9,339.9</b>	<b>233,788</b>	5,551.0	
13' 5	22' 1	41.23%	207,282	4,935	784,647	784.65	<b>772.24</b>	304.63	16.91	12.21	<b>9,429.1</b>	<b>235,247</b>	5,551.0	
13' 6	22' 0	41.48%	208,568	4,966	789,515	789.52	<b>777.03</b>	304.63	16.91	12.25	<b>9,518.6</b>	<b>236,707</b>	5,551.0	
13' 7	21' 11	41.74%	209,854	4,997	794,383	794.38	<b>781.82</b>	304.63	16.91	12.29	<b>9,608.6</b>	<b>238,166</b>	5,551.0	
13' 8	21' 10	41.99%	211,140	5,027	799,251	799.25	<b>786.61</b>	304.63	16.91	12.34	<b>9,706.8</b>	<b>239,625</b>	5,551.0	
13' 9	21' 9	42.25%	212,426	5,058	804,119	804.12	<b>791.40</b>	304.63	16.91	12.38	<b>9,797.5</b>	<b>241,084</b>	5,551.0	

Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
13' 10	21' 8	42.50%	213,712	5,088	808,987	808.99	<b>796.19</b>	304.63	16.91	12.42	<b>9,888.7</b>	<b>242,543</b>	5,551.0
13' 11	21' 7	42.76%	214,998	5,119	813,854	813.85	<b>800.98</b>	304.63	16.91	12.46	<b>9,980.2</b>	<b>244,003</b>	5,551.0
14' 0	21' 6	43.02%	216,284	5,150	818,722	818.72	<b>805.77</b>	304.63	16.91	12.50	<b>10,072.1</b>	<b>245,462</b>	5,551.0
14' 1	21' 5	43.27%	217,570	5,180	823,590	823.59	<b>810.56</b>	304.63	16.91	12.54	<b>10,164.4</b>	<b>246,921</b>	5,551.0
14' 2	21' 4	43.53%	218,856	5,211	828,458	828.46	<b>815.36</b>	304.63	16.91	12.59	<b>10,265.4</b>	<b>248,383</b>	5,551.0
14' 3	21' 3	43.78%	220,142	5,241	833,326	833.33	<b>820.15</b>	304.63	16.91	12.63	<b>10,358.5</b>	<b>249,842</b>	5,551.0
14' 4	21' 2	44.04%	221,428	5,272	838,194	838.19	<b>824.94</b>	304.63	16.91	12.67	<b>10,452.0</b>	<b>251,301</b>	5,551.0
14' 5	21' 1	44.30%	222,713	5,303	843,062	843.06	<b>829.73</b>	304.63	16.91	12.71	<b>10,545.9</b>	<b>252,761</b>	5,551.0
14' 6	21' 0	44.55%	223,999	5,333	847,930	847.93	<b>834.52</b>	304.63	16.92	12.75	<b>10,640.1</b>	<b>254,220</b>	5,551.0
14' 7	20' 11	44.81%	225,285	5,364	852,798	852.80	<b>839.31</b>	304.63	16.92	12.79	<b>10,734.8</b>	<b>255,679</b>	5,551.0
14' 8	20' 10	45.06%	226,571	5,395	857,665	857.67	<b>844.10</b>	304.63	16.92	12.84	<b>10,838.2</b>	<b>257,138</b>	5,551.0
14' 9	20' 9	45.32%	227,857	5,425	862,533	862.53	<b>848.89</b>	304.63	16.92	12.88	<b>10,933.7</b>	<b>258,597</b>	5,551.0
14' 10	20' 8	45.57%	229,143	5,456	867,401	867.40	<b>853.68</b>	304.63	16.92	12.92	<b>11,029.5</b>	<b>260,057</b>	5,551.0
14' 11	20' 7	45.83%	230,429	5,486	872,269	872.27	<b>858.47</b>	304.63	16.92	12.96	<b>11,125.8</b>	<b>261,516</b>	5,551.0
15' 0	20' 6	46.09%	231,715	5,517	877,137	877.14	<b>863.26</b>	304.63	16.92	13.00	<b>11,222.4</b>	<b>262,975</b>	5,551.0
15' 1	20' 5	46.34%	233,001	5,548	882,005	882.01	<b>868.06</b>	304.63	16.92	13.04	<b>11,319.5</b>	<b>264,437</b>	5,551.0
15' 2	20' 4	46.60%	234,287	5,578	886,873	886.87	<b>872.85</b>	304.63	16.92	13.09	<b>11,425.6</b>	<b>265,896</b>	5,551.0
15' 3	20' 3	46.85%	235,573	5,609	891,741	891.74	<b>877.64</b>	304.63	16.92	13.13	<b>11,523.4</b>	<b>267,355</b>	5,551.0
15' 4	20' 2	47.11%	236,859	5,640	896,609	896.61	<b>882.43</b>	304.63	16.92	13.17	<b>11,621.6</b>	<b>268,815</b>	5,551.0
15' 5	20' 1	47.36%	238,145	5,670	901,477	901.48	<b>887.22</b>	304.63	16.92	13.21	<b>11,720.2</b>	<b>270,274</b>	5,551.0
15' 6	20' 0	47.62%	239,431	5,701	906,345	906.34	<b>892.01</b>	304.63	16.92	13.25	<b>11,819.1</b>	<b>271,733</b>	5,551.0
15' 7	19' 11	47.88%	240,717	5,731	911,212	911.21	<b>896.80</b>	304.63	16.92	13.29	<b>11,918.5</b>	<b>273,192</b>	5,551.0
15' 8	19' 10	48.13%	242,003	5,762	916,080	916.08	<b>901.59</b>	304.63	16.92	13.34	<b>12,027.2</b>	<b>274,651</b>	5,551.0
15' 9	19' 9	48.39%	243,289	5,793	920,948	920.95	<b>906.38</b>	304.63	16.92	13.38	<b>12,127.4</b>	<b>276,111</b>	5,551.0
15' 10	19' 8	48.64%	244,575	5,823	925,816	925.82	<b>911.17</b>	304.63	16.92	13.42	<b>12,227.9</b>	<b>277,570</b>	5,551.0
15' 11	19' 7	48.90%	245,861	5,854	930,684	930.68	<b>915.96</b>	304.63	16.92	13.46	<b>12,328.8</b>	<b>279,029</b>	5,551.0
16' 0	19' 6	49.15%	247,147	5,884	935,552	935.55	<b>920.76</b>	304.63	16.92	13.50	<b>12,430.3</b>	<b>280,491</b>	5,551.0
16' 1	19' 5	49.41%	248,433	5,915	940,420	940.42	<b>925.55</b>	304.63	16.93	13.54	<b>12,531.9</b>	<b>281,950</b>	5,551.0
16' 2	19' 4	49.67%	249,719	5,946	945,288	945.29	<b>930.34</b>	304.63	16.93	13.59	<b>12,643.3</b>	<b>283,409</b>	5,551.0
16' 3	19' 3	49.92%	251,005	5,976	950,156	950.16	<b>935.13</b>	304.63	16.93	13.63	<b>12,745.8</b>	<b>284,869</b>	5,551.0
16' 4	19' 2	50.18%	252,291	6,007	955,023	955.02	<b>939.92</b>	304.63	16.93	13.67	<b>12,848.7</b>	<b>286,328</b>	5,551.0
16' 5	19' 1	50.43%	253,577	6,038	959,891	959.89	<b>944.71</b>	304.63	16.93	13.71	<b>12,952.0</b>	<b>287,787</b>	5,551.0
16' 6	19' 0	50.69%	254,863	6,068	964,760	964.76	<b>949.50</b>	304.63	16.93	13.75	<b>13,055.6</b>	<b>289,246</b>	5,551.0

Tank		Oil #5 STBD											
Specific Gravity		1											
Trim		0											
Capacity		11,971 BBL											
Label(s)		Oil#5.s											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
16' 7	18' 11	50.94%	256,149	6,099	969,628	969.63	<b>954.29</b>	304.63	16.93	13.79	<b>13,159.7</b>	<b>290,705</b>	5,551.0
16' 8	18' 10	51.20%	257,435	6,129	974,496	974.50	<b>959.08</b>	304.63	16.93	13.84	<b>13,273.7</b>	<b>292,165</b>	5,551.0
16' 9	18' 9	51.46%	258,720	6,160	979,363	979.36	<b>963.87</b>	304.63	16.93	13.88	<b>13,378.5</b>	<b>293,624</b>	5,551.0
16' 10	18' 8	51.71%	260,006	6,191	984,231	984.23	<b>968.67</b>	304.63	16.93	13.92	<b>13,483.9</b>	<b>295,086</b>	5,551.0
16' 11	18' 7	51.97%	261,292	6,221	989,099	989.10	<b>973.46</b>	304.63	16.93	13.96	<b>13,589.5</b>	<b>296,545</b>	5,551.0
17' 0	18' 6	52.22%	262,578	6,252	993,967	993.97	<b>978.25</b>	304.63	16.93	14.00	<b>13,695.5</b>	<b>298,004</b>	5,551.0
17' 1	18' 5	52.48%	263,864	6,282	998,835	998.84	<b>983.04</b>	304.63	16.93	14.04	<b>13,801.9</b>	<b>299,463</b>	5,551.0
17' 2	18' 4	52.74%	265,150	6,313	1,003,703	1,003.70	<b>987.83</b>	304.63	16.93	14.09	<b>13,918.5</b>	<b>300,923</b>	5,551.0
17' 3	18' 3	52.99%	266,436	6,344	1,008,571	1,008.57	<b>992.62</b>	304.63	16.93	14.13	<b>14,025.7</b>	<b>302,382</b>	5,551.0
17' 4	18' 2	53.25%	267,722	6,374	1,013,439	1,013.44	<b>997.41</b>	304.63	16.93	14.17	<b>14,133.3</b>	<b>303,841</b>	5,551.0
17' 5	18' 1	53.50%	269,008	6,405	1,018,307	1,018.31	<b>1,002.20</b>	304.63	16.93	14.21	<b>14,241.3</b>	<b>305,300</b>	5,551.0
17' 6	18' 0	53.76%	270,294	6,436	1,023,175	1,023.17	<b>1,006.99</b>	304.63	16.93	14.25	<b>14,349.6</b>	<b>306,759</b>	5,551.0
17' 7	17' 11	54.01%	271,580	6,466	1,028,043	1,028.04	<b>1,011.78</b>	304.63	16.93	14.29	<b>14,458.3</b>	<b>308,219</b>	5,551.0
17' 8	17' 10	54.27%	272,866	6,497	1,032,911	1,032.91	<b>1,016.58</b>	304.63	16.93	14.34	<b>14,577.8</b>	<b>309,681</b>	5,551.0
17' 9	17' 9	54.53%	274,152	6,527	1,037,779	1,037.78	<b>1,021.37</b>	304.63	16.93	14.38	<b>14,687.3</b>	<b>311,140</b>	5,551.0
17' 10	17' 8	54.78%	275,438	6,558	1,042,647	1,042.65	<b>1,026.16</b>	304.63	16.93	14.42	<b>14,797.2</b>	<b>312,599</b>	5,551.0
17' 11	17' 7	55.04%	276,724	6,589	1,047,515	1,047.51	<b>1,030.95</b>	304.63	16.94	14.46	<b>14,907.5</b>	<b>314,058</b>	5,551.0
18' 0	17' 6	55.29%	278,010	6,619	1,052,383	1,052.38	<b>1,035.74</b>	304.63	16.94	14.50	<b>15,018.2</b>	<b>315,517</b>	5,551.0
18' 1	17' 5	55.55%	279,296	6,650	1,057,251	1,057.25	<b>1,040.53</b>	304.63	16.94	14.54	<b>15,129.3</b>	<b>316,977</b>	5,551.0
18' 2	17' 4	55.80%	280,582	6,681	1,062,119	1,062.12	<b>1,045.32</b>	304.63	16.94	14.59	<b>15,251.2</b>	<b>318,436</b>	5,551.0
18' 3	17' 3	56.06%	281,868	6,711	1,066,986	1,066.99	<b>1,050.11</b>	304.63	16.94	14.63	<b>15,363.1</b>	<b>319,895</b>	5,551.0
18' 4	17' 2	56.32%	283,154	6,742	1,071,854	1,071.85	<b>1,054.90</b>	304.63	16.94	14.67	<b>15,475.4</b>	<b>321,354</b>	5,551.0
18' 5	17' 1	56.57%	284,440	6,772	1,076,723	1,076.72	<b>1,059.69</b>	304.63	16.94	14.71	<b>15,588.0</b>	<b>322,813</b>	5,551.0
18' 6	17' 0	56.83%	285,726	6,803	1,081,590	1,081.59	<b>1,064.48</b>	304.63	16.94	14.75	<b>15,701.1</b>	<b>324,273</b>	5,551.0
18' 7	16' 11	57.08%	287,012	6,834	1,086,459	1,086.46	<b>1,069.28</b>	304.63	16.94	14.79	<b>15,814.7</b>	<b>325,735</b>	5,551.0
18' 8	16' 10	57.34%	288,298	6,864	1,091,326	1,091.33	<b>1,074.07</b>	304.63	16.94	14.84	<b>15,939.2</b>	<b>327,194</b>	5,551.0
18' 9	16' 9	57.59%	289,584	6,895	1,096,195	1,096.19	<b>1,078.86</b>	304.63	16.94	14.88	<b>16,053.4</b>	<b>328,653</b>	5,551.0
18' 10	16' 8	57.85%	290,870	6,925	1,101,062	1,101.06	<b>1,083.65</b>	304.63	16.94	14.92	<b>16,168.1</b>	<b>330,112</b>	5,551.0
18' 11	16' 7	58.11%	292,156	6,956	1,105,930	1,105.93	<b>1,088.44</b>	304.63	16.94	14.96	<b>16,283.1</b>	<b>331,571</b>	5,551.0
19' 0	16' 6	58.36%	293,442	6,987	1,110,798	1,110.80	<b>1,093.23</b>	304.63	16.94	15.00	<b>16,398.5</b>	<b>333,031</b>	5,551.0
19' 1	16' 5	58.62%	294,728	7,017	1,115,666	1,115.67	<b>1,098.02</b>	304.63	16.94	15.04	<b>16,514.2</b>	<b>334,490</b>	5,551.0
19' 2	16' 4	58.87%	296,014	7,048	1,120,534	1,120.53	<b>1,102.81</b>	304.63	16.94	15.09	<b>16,641.4</b>	<b>335,949</b>	5,551.0
19' 3	16' 3	59.13%	297,300	7,079	1,125,402	1,125.40	<b>1,107.60</b>	304.63	16.94	15.13	<b>16,758.0</b>	<b>337,408</b>	5,551.0

Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
19' 4	16' 2	59.39%	298,586	7,109	1,130,270	1,130.27	<b>1,112.39</b>	304.63	16.94	15.17	<b>16,875.0</b>	<b>338,867</b>	5,551.0
19' 5	16' 1	59.64%	299,872	7,140	1,135,138	1,135.14	<b>1,117.18</b>	304.63	16.94	15.21	<b>16,992.3</b>	<b>340,327</b>	5,551.0
19' 6	16' 0	59.90%	301,158	7,170	1,140,006	1,140.01	<b>1,121.98</b>	304.63	16.94	15.25	<b>17,110.2</b>	<b>341,789</b>	5,551.0
19' 7	15' 11	60.15%	302,444	7,201	1,144,874	1,144.87	<b>1,126.77</b>	304.63	16.94	15.29	<b>17,228.3</b>	<b>343,248</b>	5,551.0
19' 8	15' 10	60.41%	303,730	7,232	1,149,742	1,149.74	<b>1,131.56</b>	304.63	16.94	15.34	<b>17,358.1</b>	<b>344,707</b>	5,551.0
19' 9	15' 9	60.66%	305,016	7,262	1,154,610	1,154.61	<b>1,136.35</b>	304.63	16.94	15.38	<b>17,477.1</b>	<b>346,166</b>	5,551.0
19' 10	15' 8	60.92%	306,302	7,293	1,159,478	1,159.48	<b>1,141.14</b>	304.63	16.94	15.42	<b>17,596.4</b>	<b>347,625</b>	5,551.0
19' 11	15' 7	61.18%	307,588	7,324	1,164,346	1,164.35	<b>1,145.93</b>	304.63	16.94	15.46	<b>17,716.1</b>	<b>349,085</b>	5,551.0
20' 0	15' 6	61.43%	308,874	7,354	1,169,213	1,169.21	<b>1,150.72</b>	304.63	16.94	15.50	<b>17,836.2</b>	<b>350,544</b>	5,551.0
20' 1	15' 5	61.69%	310,160	7,385	1,174,081	1,174.08	<b>1,155.51</b>	304.63	16.94	15.54	<b>17,956.6</b>	<b>352,003</b>	5,551.0
20' 2	15' 4	61.94%	311,445	7,415	1,178,949	1,178.95	<b>1,160.30</b>	304.63	16.94	15.59	<b>18,089.1</b>	<b>353,462</b>	5,551.0
20' 3	15' 3	62.20%	312,732	7,446	1,183,818	1,183.82	<b>1,165.10</b>	304.63	16.94	15.63	<b>18,210.5</b>	<b>354,924</b>	5,551.0
20' 4	15' 2	62.45%	314,018	7,477	1,188,686	1,188.69	<b>1,169.89</b>	304.63	16.95	15.67	<b>18,332.2</b>	<b>356,384</b>	5,551.0
20' 5	15' 1	62.71%	315,304	7,507	1,193,554	1,193.55	<b>1,174.68</b>	304.63	16.95	15.71	<b>18,454.2</b>	<b>357,843</b>	5,551.0
20' 6	15' 0	62.97%	316,590	7,538	1,198,422	1,198.42	<b>1,179.47</b>	304.63	16.95	15.75	<b>18,576.7</b>	<b>359,302</b>	5,551.0
20' 7	14' 11	63.22%	317,875	7,568	1,203,289	1,203.29	<b>1,184.26</b>	304.63	16.95	15.79	<b>18,699.5</b>	<b>360,761</b>	5,551.0
20' 8	14' 10	63.48%	319,161	7,599	1,208,157	1,208.16	<b>1,189.05</b>	304.63	16.95	15.84	<b>18,834.6</b>	<b>362,220</b>	5,551.0
20' 9	14' 9	63.73%	320,447	7,630	1,213,025	1,213.03	<b>1,193.84</b>	304.63	16.95	15.88	<b>18,958.2</b>	<b>363,679</b>	5,551.0
20' 10	14' 8	63.99%	321,733	7,660	1,217,893	1,217.89	<b>1,198.63</b>	304.63	16.95	15.92	<b>19,082.2</b>	<b>365,139</b>	5,551.0
20' 11	14' 7	64.24%	323,019	7,691	1,222,761	1,222.76	<b>1,203.42</b>	304.63	16.95	15.96	<b>19,206.6</b>	<b>366,598</b>	5,551.0
21' 0	14' 6	64.50%	324,305	7,722	1,227,629	1,227.63	<b>1,208.21</b>	304.63	16.95	16.00	<b>19,331.4</b>	<b>368,057</b>	5,551.0
21' 1	14' 5	64.76%	325,591	7,752	1,232,497	1,232.50	<b>1,213.0</b>	304.63	16.95	16.04	<b>19,456.5</b>	<b>369,516</b>	5,551.0
21' 2	14' 4	65.01%	326,877	7,783	1,237,365	1,237.36	<b>1,217.80</b>	304.63	16.95	16.09	<b>19,594.4</b>	<b>370,978</b>	5,551.0
21' 3	14' 3	65.27%	328,163	7,813	1,242,233	1,242.23	<b>1,222.59</b>	304.63	16.95	16.13	<b>19,720.4</b>	<b>372,438</b>	5,551.0
21' 4	14' 2	65.52%	329,449	7,844	1,247,101	1,247.10	<b>1,227.38</b>	304.63	16.95	16.17	<b>19,846.7</b>	<b>373,897</b>	5,551.0
21' 5	14' 1	65.78%	330,735	7,875	1,251,969	1,251.97	<b>1,232.17</b>	304.63	16.95	16.21	<b>19,973.5</b>	<b>375,356</b>	5,551.0
21' 6	14' 0	66.03%	332,021	7,905	1,256,837	1,256.84	<b>1,236.96</b>	304.63	16.95	16.25	<b>20,100.6</b>	<b>376,815</b>	5,551.0
21' 7	13' 11	66.29%	333,307	7,936	1,261,705	1,261.71	<b>1,241.75</b>	304.63	16.95	16.29	<b>20,228.1</b>	<b>378,274</b>	5,551.0
21' 8	13' 10	66.55%	334,593	7,967	1,266,573	1,266.57	<b>1,246.54</b>	304.63	16.95	16.34	<b>20,368.5</b>	<b>379,733</b>	5,551.0
21' 9	13' 9	66.80%	335,879	7,997	1,271,441	1,271.44	<b>1,251.33</b>	304.63	16.95	16.38	<b>20,496.8</b>	<b>381,193</b>	5,551.0
21' 10	13' 8	67.06%	337,165	8,028	1,276,309	1,276.31	<b>1,256.12</b>	304.63	16.95	16.42	<b>20,625.5</b>	<b>382,652</b>	5,551.0
21' 11	13' 7	67.31%	338,451	8,058	1,281,176	1,281.18	<b>1,260.91</b>	304.63	16.95	16.46	<b>20,754.6</b>	<b>384,111</b>	5,551.0
22' 0	13' 6	67.57%	339,737	8,089	1,286,045	1,286.04	<b>1,265.70</b>	304.63	16.95	16.50	<b>20,884.1</b>	<b>385,570</b>	5,551.0

Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
22' 1	13' 5	67.83%	341,023	8,120	1,290,913	1,290.91	<b>1,270.50</b>	304.63	16.95	16.54	<b>21,014.1</b>	<b>387,032</b>	5,551.0
22' 2	13' 4	68.08%	342,309	8,150	1,295,781	1,295.78	<b>1,275.29</b>	304.63	16.95	16.59	<b>21,157.1</b>	<b>388,492</b>	5,551.0
22' 3	13' 3	68.34%	343,595	8,181	1,300,648	1,300.65	<b>1,280.08</b>	304.63	16.95	16.63	<b>21,287.7</b>	<b>389,951</b>	5,551.0
22' 4	13' 2	68.59%	344,881	8,211	1,305,516	1,305.52	<b>1,284.87</b>	304.63	16.95	16.67	<b>21,418.8</b>	<b>391,410</b>	5,551.0
22' 5	13' 1	68.85%	346,167	8,242	1,310,384	1,310.38	<b>1,289.66</b>	304.63	16.95	16.71	<b>21,550.2</b>	<b>392,869</b>	5,551.0
22' 6	13' 0	69.10%	347,453	8,273	1,315,252	1,315.25	<b>1,294.45</b>	304.63	16.95	16.75	<b>21,682.0</b>	<b>394,328</b>	5,551.0
22' 7	12' 11	69.36%	348,739	8,303	1,320,120	1,320.12	<b>1,299.24</b>	304.63	16.95	16.79	<b>21,814.2</b>	<b>395,787</b>	5,551.0
22' 8	12' 10	69.62%	350,025	8,334	1,324,988	1,324.99	<b>1,304.03</b>	304.63	16.95	16.84	<b>21,959.9</b>	<b>397,247</b>	5,551.0
22' 9	12' 9	69.87%	351,311	8,365	1,329,856	1,329.86	<b>1,308.82</b>	304.63	16.95	16.88	<b>22,092.9</b>	<b>398,706</b>	5,551.0
22' 10	12' 8	70.13%	352,597	8,395	1,334,724	1,334.72	<b>1,313.62</b>	304.63	16.95	16.92	<b>22,226.5</b>	<b>400,168</b>	5,551.0
22' 11	12' 7	70.38%	353,883	8,426	1,339,592	1,339.59	<b>1,318.41</b>	304.63	16.95	16.96	<b>22,360.2</b>	<b>401,627</b>	5,551.0
23' 0	12' 6	70.64%	355,169	8,456	1,344,460	1,344.46	<b>1,323.20</b>	304.63	16.95	17.00	<b>22,494.4</b>	<b>403,086</b>	5,551.0
23' 1	12' 5	70.89%	356,455	8,487	1,349,328	1,349.33	<b>1,327.99</b>	304.63	16.95	17.04	<b>22,628.9</b>	<b>404,546</b>	5,551.0
23' 2	12' 4	71.15%	357,741	8,518	1,354,196	1,354.20	<b>1,332.78</b>	304.63	16.95	17.09	<b>22,777.2</b>	<b>406,005</b>	5,551.0
23' 3	12' 3	71.41%	359,027	8,548	1,359,064	1,359.06	<b>1,337.57</b>	304.63	16.95	17.13	<b>22,912.6</b>	<b>407,464</b>	5,551.0
23' 4	12' 2	71.66%	360,313	8,579	1,363,932	1,363.93	<b>1,342.36</b>	304.63	16.95	17.17	<b>23,048.3</b>	<b>408,923</b>	5,551.0
23' 5	12' 1	71.92%	361,599	8,609	1,368,800	1,368.80	<b>1,347.15</b>	304.63	16.96	17.21	<b>23,184.5</b>	<b>410,382</b>	5,551.0
23' 6	12' 0	72.17%	362,885	8,640	1,373,668	1,373.67	<b>1,351.94</b>	304.63	16.96	17.25	<b>23,321.0</b>	<b>411,841</b>	5,551.0
23' 7	11' 11	72.43%	364,171	8,671	1,378,536	1,378.54	<b>1,356.73</b>	304.63	16.96	17.29	<b>23,457.9</b>	<b>413,301</b>	5,551.0
23' 8	11' 10	72.68%	365,457	8,701	1,383,404	1,383.40	<b>1,361.52</b>	304.63	16.96	17.34	<b>23,608.8</b>	<b>414,760</b>	5,551.0
23' 9	11' 9	72.94%	366,743	8,732	1,388,272	1,388.27	<b>1,366.32</b>	304.63	16.96	17.38	<b>23,746.6</b>	<b>416,222</b>	5,551.0
23' 10	11' 8	73.20%	368,029	8,763	1,393,139	1,393.14	<b>1,371.11</b>	304.63	16.96	17.42	<b>23,884.7</b>	<b>417,681</b>	5,551.0
23' 11	11' 7	73.45%	369,314	8,793	1,398,007	1,398.01	<b>1,375.90</b>	304.63	16.96	17.46	<b>24,023.2</b>	<b>419,140</b>	5,551.0
24' 0	11' 6	73.71%	370,600	8,824	1,402,875	1,402.87	<b>1,380.69</b>	304.63	16.96	17.50	<b>24,162.1</b>	<b>420,600</b>	5,551.0
24' 1	11' 5	73.96%	371,886	8,854	1,407,743	1,407.74	<b>1,385.48</b>	304.63	16.96	17.54	<b>24,301.3</b>	<b>422,059</b>	5,551.0
24' 2	11' 4	74.22%	373,173	8,885	1,412,612	1,412.61	<b>1,390.27</b>	304.63	16.96	17.59	<b>24,454.8</b>	<b>423,518</b>	5,551.0
24' 3	11' 3	74.48%	374,458	8,916	1,417,479	1,417.48	<b>1,395.06</b>	304.63	16.96	17.63	<b>24,594.9</b>	<b>424,977</b>	5,551.0
24' 4	11' 2	74.73%	375,744	8,946	1,422,347	1,422.35	<b>1,399.85</b>	304.63	16.96	17.67	<b>24,735.3</b>	<b>426,436</b>	5,551.0
24' 5	11' 1	74.99%	377,030	8,977	1,427,215	1,427.21	<b>1,404.64</b>	304.63	16.96	17.71	<b>24,876.2</b>	<b>427,895</b>	5,551.0
24' 6	11' 0	75.24%	378,316	9,008	1,432,083	1,432.08	<b>1,409.43</b>	304.63	16.96	17.75	<b>25,017.4</b>	<b>429,355</b>	5,551.0
24' 7	10' 11	75.50%	379,602	9,038	1,436,951	1,436.95	<b>1,414.22</b>	304.63	16.96	17.79	<b>25,159.0</b>	<b>430,814</b>	5,551.0
24' 8	10' 10	75.75%	380,888	9,069	1,441,819	1,441.82	<b>1,419.02</b>	304.63	16.96	17.84	<b>25,315.3</b>	<b>432,276</b>	5,551.0
24' 9	10' 9	76.01%	382,174	9,099	1,446,687	1,446.69	<b>1,423.81</b>	304.63	16.96	17.88	<b>25,457.7</b>	<b>433,735</b>	5,551.0

Tank		Oil #5 STBD											
Specific Gravity		1											
Trim		0											
Capacity		11,971 BBL											
Label(s)		Oil#5.s											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
24' 10	10' 8	76.27%	383,460	9,130	1,451,555	1,451.55	<b>1,428.60</b>	304.64	16.96	17.92	<b>25,600.5</b>	<b>435,209</b>	5,551.0
24' 11	10' 7	76.52%	384,746	9,161	1,456,423	1,456.42	<b>1,433.39</b>	304.64	16.96	17.96	<b>25,743.7</b>	<b>436,668</b>	5,551.0
25' 0	10' 6	76.78%	386,032	9,191	1,461,290	1,461.29	<b>1,438.18</b>	304.64	16.96	18.00	<b>25,887.2</b>	<b>438,127</b>	5,551.0
25' 1	10' 5	77.03%	387,318	9,222	1,466,159	1,466.16	<b>1,442.97</b>	304.64	16.96	18.04	<b>26,031.2</b>	<b>439,586</b>	5,551.0
25' 2	10' 4	77.29%	388,604	9,252	1,471,027	1,471.03	<b>1,447.76</b>	304.64	16.96	18.09	<b>26,190.0</b>	<b>441,046</b>	5,551.0
25' 3	10' 3	77.54%	389,890	9,283	1,475,895	1,475.89	<b>1,452.55</b>	304.64	16.96	18.13	<b>26,334.7</b>	<b>442,505</b>	5,551.0
25' 4	10' 2	77.80%	391,176	9,314	1,480,763	1,480.76	<b>1,457.34</b>	304.64	16.96	18.17	<b>26,479.9</b>	<b>443,964</b>	5,551.0
25' 5	10' 1	78.06%	392,462	9,344	1,485,631	1,485.63	<b>1,462.13</b>	304.64	16.96	18.21	<b>26,625.4</b>	<b>445,423</b>	5,551.0
25' 6	10' 0	78.31%	393,748	9,375	1,490,499	1,490.50	<b>1,466.93</b>	304.64	16.96	18.25	<b>26,771.5</b>	<b>446,886</b>	5,551.0
25' 7	9' 11	78.57%	395,034	9,406	1,495,366	1,495.37	<b>1,471.72</b>	304.64	16.96	18.29	<b>26,917.8</b>	<b>448,345</b>	5,551.0
25' 8	9' 10	78.82%	396,320	9,436	1,500,234	1,500.23	<b>1,476.51</b>	304.64	16.96	18.34	<b>27,079.2</b>	<b>449,804</b>	5,551.0
25' 9	9' 9	79.08%	397,606	9,467	1,505,102	1,505.10	<b>1,481.30</b>	304.64	16.96	18.38	<b>27,226.3</b>	<b>451,263</b>	5,551.0
25' 10	9' 8	79.33%	398,892	9,497	1,509,970	1,509.97	<b>1,486.09</b>	304.64	16.96	18.42	<b>27,373.8</b>	<b>452,722</b>	5,551.0
25' 11	9' 7	79.59%	400,178	9,528	1,514,838	1,514.84	<b>1,490.88</b>	304.64	16.96	18.46	<b>27,521.6</b>	<b>454,182</b>	5,551.0
26' 0	9' 6	79.85%	401,464	9,559	1,519,707	1,519.71	<b>1,495.67</b>	304.64	16.96	18.50	<b>27,669.9</b>	<b>455,641</b>	5,551.0
26' 1	9' 5	80.10%	402,750	9,589	1,524,574	1,524.57	<b>1,500.46</b>	304.64	16.96	18.54	<b>27,818.5</b>	<b>457,100</b>	5,551.0
26' 2	9' 4	80.36%	404,036	9,620	1,529,442	1,529.44	<b>1,505.25</b>	304.64	16.96	18.59	<b>27,982.6</b>	<b>458,559</b>	5,551.0
26' 3	9' 3	80.61%	405,322	9,651	1,534,310	1,534.31	<b>1,510.04</b>	304.64	16.96	18.63	<b>28,132.0</b>	<b>460,019</b>	5,551.0
26' 4	9' 2	80.87%	406,608	9,681	1,539,178	1,539.18	<b>1,514.84</b>	304.64	16.96	18.67	<b>28,282.1</b>	<b>461,481</b>	5,551.0
26' 5	9' 1	81.13%	407,894	9,712	1,544,046	1,544.05	<b>1,519.63</b>	304.64	16.96	18.71	<b>28,432.3</b>	<b>462,940</b>	5,551.0
26' 6	9' 0	81.38%	409,180	9,742	1,548,914	1,548.91	<b>1,524.42</b>	304.64	16.96	18.75	<b>28,582.9</b>	<b>464,399</b>	5,551.0
26' 7	8' 11	81.64%	410,466	9,773	1,553,782	1,553.78	<b>1,529.21</b>	304.64	16.96	18.79	<b>28,733.9</b>	<b>465,859</b>	5,551.0
26' 8	8' 10	81.89%	411,752	9,804	1,558,650	1,558.65	<b>1,534.0</b>	304.64	16.96	18.84	<b>28,900.6</b>	<b>467,318</b>	5,551.0
26' 9	8' 9	82.15%	413,038	9,834	1,563,517	1,563.52	<b>1,538.79</b>	304.64	16.96	18.88	<b>29,052.4</b>	<b>468,777</b>	5,551.0
26' 10	8' 8	82.40%	414,324	9,865	1,568,386	1,568.39	<b>1,543.58</b>	304.64	16.96	18.92	<b>29,204.5</b>	<b>470,236</b>	5,551.0
26' 11	8' 7	82.66%	415,610	9,895	1,573,254	1,573.25	<b>1,548.37</b>	304.64	16.96	18.96	<b>29,357.1</b>	<b>471,695</b>	5,551.0
27' 0	8' 6	82.92%	416,896	9,926	1,578,122	1,578.12	<b>1,553.16</b>	304.64	16.96	19.00	<b>29,510.0</b>	<b>473,155</b>	5,551.0
27' 1	8' 5	83.17%	418,182	9,957	1,582,990	1,582.99	<b>1,557.95</b>	304.64	16.96	19.04	<b>29,663.4</b>	<b>474,614</b>	5,551.0
27' 2	8' 4	83.43%	419,468	9,987	1,587,858	1,587.86	<b>1,562.74</b>	304.64	16.96	19.09	<b>29,832.7</b>	<b>476,073</b>	5,551.0
27' 3	8' 3	83.68%	420,754	10,018	1,592,726	1,592.73	<b>1,567.54</b>	304.64	16.96	19.13	<b>29,987.0</b>	<b>477,535</b>	5,551.0
27' 4	8' 2	83.94%	422,040	10,049	1,597,594	1,597.59	<b>1,572.33</b>	304.64	16.96	19.17	<b>30,141.6</b>	<b>478,995</b>	5,551.0
27' 5	8' 1	84.19%	423,326	10,079	1,602,461	1,602.46	<b>1,577.12</b>	304.64	16.96	19.21	<b>30,296.5</b>	<b>480,454</b>	5,551.0
27' 6	8' 0	84.45%	424,612	10,110	1,607,330	1,607.33	<b>1,581.91</b>	304.64	16.96	19.25	<b>30,451.8</b>	<b>481,913</b>	5,551.0



Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
27' 7	7' 11	84.71%	425,898	10,140	1,612,197	1,612.20	<b>1,586.70</b>	304.64	16.96	19.29	<b>30,607.4</b>	<b>483,372</b>	5,551.0
27' 8	7' 10	84.96%	427,183	10,171	1,617,065	1,617.07	<b>1,591.49</b>	304.64	16.97	19.34	<b>30,779.4</b>	<b>484,832</b>	5,551.0
27' 9	7' 9	85.22%	428,469	10,202	1,621,933	1,621.93	<b>1,596.28</b>	304.64	16.97	19.38	<b>30,935.9</b>	<b>486,291</b>	5,551.0
27' 10	7' 8	85.47%	429,755	10,232	1,626,801	1,626.80	<b>1,601.07</b>	304.64	16.97	19.42	<b>31,092.8</b>	<b>487,750</b>	5,551.0
27' 11	7' 7	85.73%	431,041	10,263	1,631,669	1,631.67	<b>1,605.86</b>	304.64	16.97	19.46	<b>31,250.0</b>	<b>489,209</b>	5,551.0
28' 0	7' 6	85.98%	432,327	10,294	1,636,537	1,636.54	<b>1,610.65</b>	304.64	16.97	19.50	<b>31,407.7</b>	<b>490,668</b>	5,551.0
28' 1	7' 5	86.24%	433,613	10,324	1,641,405	1,641.40	<b>1,615.44</b>	304.64	16.97	19.54	<b>31,565.7</b>	<b>492,128</b>	5,551.0
28' 2	7' 4	86.50%	434,899	10,355	1,646,273	1,646.27	<b>1,620.24</b>	304.64	16.97	19.59	<b>31,740.5</b>	<b>493,590</b>	5,551.0
28' 3	7' 3	86.75%	436,185	10,385	1,651,141	1,651.14	<b>1,625.03</b>	304.64	16.97	19.63	<b>31,899.3</b>	<b>495,049</b>	5,551.0
28' 4	7' 2	87.01%	437,471	10,416	1,656,009	1,656.01	<b>1,629.82</b>	304.64	16.97	19.67	<b>32,058.6</b>	<b>496,508</b>	5,551.0
28' 5	7' 1	87.26%	438,757	10,447	1,660,877	1,660.88	<b>1,634.61</b>	304.64	16.97	19.71	<b>32,218.2</b>	<b>497,968</b>	5,551.0
28' 6	7' 0	87.52%	440,043	10,477	1,665,745	1,665.74	<b>1,639.40</b>	304.64	16.97	19.75	<b>32,378.2</b>	<b>499,427</b>	5,551.0
28' 7	6' 11	87.78%	441,329	10,508	1,670,613	1,670.61	<b>1,644.19</b>	304.64	16.97	19.79	<b>32,538.5</b>	<b>500,886</b>	5,551.0
28' 8	6' 10	88.03%	442,615	10,538	1,675,481	1,675.48	<b>1,648.98</b>	304.64	16.97	19.84	<b>32,715.8</b>	<b>502,345</b>	5,551.0
28' 9	6' 9	88.29%	443,901	10,569	1,680,348	1,680.35	<b>1,653.77</b>	304.64	16.97	19.88	<b>32,876.9</b>	<b>503,804</b>	5,551.0
28' 10	6' 8	88.54%	445,187	10,600	1,685,217	1,685.22	<b>1,658.56</b>	304.64	16.97	19.92	<b>33,038.5</b>	<b>505,264</b>	5,551.0
28' 11	6' 7	88.80%	446,473	10,630	1,690,085	1,690.08	<b>1,663.36</b>	304.64	16.97	19.96	<b>33,200.7</b>	<b>506,726</b>	5,551.0
29' 0	6' 6	89.05%	447,759	10,661	1,694,953	1,694.95	<b>1,668.15</b>	304.64	16.97	20.00	<b>33,363.0</b>	<b>508,185</b>	5,551.0
29' 1	6' 5	89.31%	449,045	10,692	1,699,821	1,699.82	<b>1,672.94</b>	304.64	16.97	20.04	<b>33,525.7</b>	<b>509,644</b>	5,551.0
29' 2	6' 4	89.57%	450,331	10,722	1,704,688	1,704.69	<b>1,677.73</b>	304.64	16.97	20.09	<b>33,705.6</b>	<b>511,104</b>	5,551.0
29' 3	6' 3	89.82%	451,617	10,753	1,709,557	1,709.56	<b>1,682.52</b>	304.64	16.97	20.13	<b>33,869.1</b>	<b>512,563</b>	5,551.0
29' 4	6' 2	90.08%	452,903	10,783	1,714,424	1,714.42	<b>1,687.31</b>	304.64	16.97	20.17	<b>34,033.0</b>	<b>514,022</b>	5,551.0
29' 5	6' 1	90.33%	454,189	10,814	1,719,292	1,719.29	<b>1,692.10</b>	304.64	16.97	20.21	<b>34,197.3</b>	<b>515,481</b>	5,551.0
29' 6	6' 0	90.59%	455,475	10,845	1,724,160	1,724.16	<b>1,696.89</b>	304.64	16.97	20.25	<b>34,362.0</b>	<b>516,941</b>	5,551.0
29' 7	5' 11	90.84%	456,761	10,875	1,729,028	1,729.03	<b>1,701.68</b>	304.64	16.97	20.29	<b>34,527.1</b>	<b>518,400</b>	5,551.0
29' 8	5' 10	91.10%	458,047	10,906	1,733,896	1,733.90	<b>1,706.47</b>	304.64	16.97	20.34	<b>34,709.6</b>	<b>519,859</b>	5,551.0
29' 9	5' 9	91.36%	459,333	10,936	1,738,764	1,738.76	<b>1,711.27</b>	304.64	16.97	20.38	<b>34,875.7</b>	<b>521,321</b>	5,551.0
29' 10	5' 8	91.61%	460,619	10,967	1,743,632	1,743.63	<b>1,716.06</b>	304.64	16.97	20.42	<b>35,041.9</b>	<b>522,781</b>	5,551.0
29' 11	5' 7	91.87%	461,905	10,998	1,748,500	1,748.50	<b>1,720.85</b>	304.64	16.97	20.46	<b>35,208.6</b>	<b>524,240</b>	5,551.0
30' 0	5' 6	92.12%	463,191	11,028	1,753,368	1,753.37	<b>1,725.64</b>	304.64	16.97	20.50	<b>35,375.6</b>	<b>525,699</b>	5,551.0
30' 1	5' 5	92.38%	464,477	11,059	1,758,236	1,758.24	<b>1,730.43</b>	304.64	16.97	20.54	<b>35,543.0</b>	<b>527,158</b>	5,551.0
30' 2	5' 4	92.63%	465,763	11,090	1,763,104	1,763.10	<b>1,735.22</b>	304.64	16.97	20.59	<b>35,728.2</b>	<b>528,617</b>	5,551.0
30' 3	5' 3	92.89%	467,049	11,120	1,767,972	1,767.97	<b>1,740.01</b>	304.64	16.97	20.63	<b>35,896.4</b>	<b>530,077</b>	5,551.0

Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
30' 4	5' 2	93.15%	468,335	11,151	1,772,839	1,772.84	<b>1,744.80</b>	304.64	16.97	20.67	<b>36,065.0</b>	<b>531,536</b>	5,551.0
30' 5	5' 1	93.40%	469,621	11,181	1,777,708	1,777.71	<b>1,749.59</b>	304.64	16.97	20.71	<b>36,234.0</b>	<b>532,995</b>	5,551.0
30' 6	5' 0	93.66%	470,907	11,212	1,782,575	1,782.58	<b>1,754.38</b>	304.64	16.97	20.75	<b>36,403.4</b>	<b>534,454</b>	5,551.0
30' 7	4' 11	93.91%	472,193	11,243	1,787,444	1,787.44	<b>1,759.17</b>	304.64	16.97	20.79	<b>36,573.1</b>	<b>535,914</b>	5,551.0
30' 8	4' 10	94.17%	473,479	11,273	1,792,311	1,792.31	<b>1,763.96</b>	304.64	16.97	20.84	<b>36,760.9</b>	<b>537,373</b>	5,551.0
30' 9	4' 9	94.42%	474,765	11,304	1,797,180	1,797.18	<b>1,768.76</b>	304.64	16.97	20.88	<b>36,931.7</b>	<b>538,835</b>	5,551.0
30' 10	4' 8	94.68%	476,051	11,335	1,802,047	1,802.05	<b>1,773.55</b>	304.64	16.97	20.92	<b>37,102.7</b>	<b>540,294</b>	5,551.0
30' 11	4' 7	94.94%	477,337	11,365	1,806,915	1,806.92	<b>1,778.34</b>	304.64	16.97	20.96	<b>37,274.0</b>	<b>541,753</b>	5,551.0
31' 0	4' 6	95.19%	478,623	11,396	1,811,784	1,811.78	<b>1,783.13</b>	304.64	16.97	21.00	<b>37,445.7</b>	<b>543,213</b>	5,551.0
31' 1	4' 5	95.45%	479,909	11,426	1,816,651	1,816.65	<b>1,787.92</b>	304.64	16.97	21.04	<b>37,617.8</b>	<b>544,672</b>	5,551.0
31' 2	4' 4	95.70%	481,195	11,457	1,821,519	1,821.52	<b>1,792.71</b>	304.64	16.97	21.09	<b>37,808.3</b>	<b>546,131</b>	5,551.0
31' 3	4' 3	95.96%	482,481	11,488	1,826,388	1,826.39	<b>1,797.50</b>	304.64	16.97	21.13	<b>37,981.2</b>	<b>547,590</b>	5,551.0
31' 4	4' 2	96.22%	483,767	11,518	1,831,255	1,831.26	<b>1,802.29</b>	304.64	16.97	21.17	<b>38,154.5</b>	<b>549,050</b>	5,551.0
31' 5	4' 1	96.47%	485,052	11,549	1,836,123	1,836.12	<b>1,807.08</b>	304.64	16.97	21.21	<b>38,328.2</b>	<b>550,509</b>	5,551.0
31' 6	4' 0	96.73%	486,338	11,579	1,840,991	1,840.99	<b>1,811.87</b>	304.64	16.97	21.25	<b>38,502.2</b>	<b>551,968</b>	5,551.0
31' 7	3' 11	96.98%	487,624	11,610	1,845,859	1,845.86	<b>1,816.67</b>	304.64	16.97	21.29	<b>38,676.9</b>	<b>553,430</b>	5,551.0
31' 8	3' 10	97.24%	488,910	11,641	1,850,727	1,850.73	<b>1,821.46</b>	304.64	16.97	21.34	<b>38,870.0</b>	<b>554,890</b>	5,551.0
31' 9	3' 9	97.49%	490,196	11,671	1,855,594	1,855.59	<b>1,826.25</b>	304.64	16.97	21.38	<b>39,045.2</b>	<b>556,349</b>	5,551.0
31' 10	3' 8	97.75%	491,482	11,702	1,860,462	1,860.46	<b>1,831.04</b>	304.64	16.97	21.42	<b>39,220.9</b>	<b>557,808</b>	5,551.0
31' 11	3' 7	98.01%	492,768	11,733	1,865,331	1,865.33	<b>1,835.83</b>	304.64	16.97	21.46	<b>39,396.9</b>	<b>559,267</b>	5,551.0
32' 0	3' 6	98.26%	494,054	11,763	1,870,199	1,870.20	<b>1,840.62</b>	304.64	16.97	21.50	<b>39,573.3</b>	<b>560,726</b>	5,551.0
32' 1	3' 5	98.52%	495,340	11,794	1,875,067	1,875.07	<b>1,845.41</b>	304.64	16.97	21.54	<b>39,750.1</b>	<b>562,186</b>	5,551.0
32' 2	3' 4	98.76%	496,626	11,823	1,879,935	1,879.77	<b>1,850.20</b>	304.64	16.97	21.58	<b>39,923.9</b>	<b>563,645</b>	4,366.8
32' 3	3' 3	98.99%	497,911	11,853	1,884,803	1,884.05	<b>1,854.99</b>	304.64	16.97	21.62	<b>40,098.9</b>	<b>564,879</b>	3,259.4
32' 4	3' 2	99.19%	498,735	11,875	1,887,919	1,887.92	<b>1,858.06</b>	304.64	16.96	21.65	<b>40,227.0</b>	<b>566,039</b>	2,355.8
32' 5	3' 1	99.37%	499,647	11,896	1,891,368	1,891.37	<b>1,861.45</b>	304.64	16.95	21.68	<b>40,356.2</b>	<b>567,072</b>	1,636.8
32' 6	3' 0	99.53%	500,447	11,915	1,894,399	1,894.40	<b>1,864.44</b>	304.64	16.94	21.71	<b>40,477.0</b>	<b>567,983</b>	1,081.9
32' 7	2' 11	99.67%	501,138	11,932	1,897,013	1,897.01	<b>1,867.01</b>	304.64	16.93	21.73	<b>40,570.1</b>	<b>568,766</b>	668.9
32' 8	2' 10	99.79%	501,718	11,946	1,899,208	1,899.21	<b>1,869.17</b>	304.64	16.92	21.75	<b>40,654.4</b>	<b>569,424</b>	377.4
32' 9	2' 9	99.88%	502,188	11,957	1,900,986	1,900.99	<b>1,870.92</b>	304.64	16.91	21.77	<b>40,729.9</b>	<b>569,957</b>	185.7
32' 10	2' 8	99.95%	502,547	11,965	1,902,347	1,902.35	<b>1,872.26</b>	304.64	16.90	21.78	<b>40,777.8</b>	<b>570,365</b>	73.4
32' 11	2' 7	100.00%	502,796	11,971	1,903,289	1,903.29	<b>1,873.19</b>	304.64	16.89	21.79	<b>40,816.8</b>	<b>570,649</b>	19.1

Tank		Oil #6 PORT											
Specific Gravity		1											
Trim		0											
Capacity		10,077 BBL											
Label(s)		Oil#6.p											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
0' 1	35' 0	0	153	4	581	1	1	336	10	6	3	192	199
0' 2	34' 11	0	231	6	876	1	1	337	11	6	5	290	280
0' 3	34' 10	0	329	8	1247	1	1	337	12	6	7	415	367
0' 4	34' 9	0	448	11	1695	2	2	337	12	6	10	563	453
0' 5	34' 8	0	586	14	2220	2	2	338	13	6	13	736	537
0' 6	34' 7	0	745	18	2822	3	3	338	13	6	17	940	621
0' 7	34' 6	0	925	22	3501	4	3	338	13	6	21	1168	703
0' 8	34' 5	0	1125	27	4257	4	4	339	13	6	26	1419	785
0' 9	34' 4	0	1345	32	5090	5	5	339	14	6	32	1699	865
0' 10	34' 3	0	1585	38	6000	6	6	339	14	6	38	2003	944
0' 11	34' 2	0	1845	44	6985	7	7	340	14	6	44	2334	1022
1' 0	34' 1	0	2125	51	8045	8	8	340	14	7	52	2694	1094
1' 1	34' 0	0	2423	58	9173	9	9	340	14	7	59	3074	1151
1' 2	33' 11	0	2737	65	10359	10	10	341	14	7	68	3475	1204
1' 3	33' 10	0	3063	73	11595	12	11	341	15	7	76	3891	1254
1' 4	33' 9	0	3401	81	12873	13	13	341	15	7	85	4324	1300
1' 5	33' 8	0	3747	89	14184	14	14	342	15	7	95	4767	1339
1' 6	33' 7	0	4101	98	15524	16	15	342	15	7	105	5221	1375
1' 7	33' 6	0	4463	106	16894	17	17	342	15	7	115	5686	1411
1' 8	33' 5	0	4833	115	18293	18	18	342	15	7	125	6158	1448
1' 9	33' 4	0	5210	124	19723	20	19	342	15	7	136	6644	1485
1' 10	33' 3	0	5595	133	21181	21	21	342	15	7	147	7140	1519
1' 11	33' 2	0	5988	143	22669	23	22	343	15	7	158	7643	1556
2' 0	33' 1	0	6389	152	24186	24	24	343	15	7	170	8158	1592
2' 1	33' 0	0	6798	162	25733	26	25	343	15	7	182	8686	1628
2' 2	32' 11	0	7214	172	27309	27	27	343	15	7	195	9221	1664
2' 3	32' 10	0	7638	182	28914	29	28	343	15	7	207	9767	1699
2' 4	32' 9	0	8070	192	30548	31	30	343	15	7	221	10324	1732
2' 5	32' 8	0	8509	203	32211	32	32	343	15	7	234	10888	1768
2' 6	32' 7	0	8956	213	33903	34	33	344	15	7	248	11466	1803
2' 7	32' 6	0	9411	224	35624	36	35	344	16	7	263	12051	1837
2' 8	32' 5	0	9873	235	37373	37	37	344	16	8	277	12647	1870
2' 9	32' 4	0	10343	246	39151	39	39	344	16	8	292	13254	1903

Tank		Oil #6 PORT												
Specific Gravity		1												
Trim		0												
Capacity		10,077 BBL												
Label(s)		Oil#6.p												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
2' 10	32' 3	0	10820	258	40957	41	40	344	16	8	308	13871	1936	
2' 11	32' 2	0	11304	269	42791	43	42	344	16	8	324	14496	1965	
3' 0	32' 1	0	11797	281	44657	45	44	344	16	8	340	15135	1998	
3' 1	32' 0	2.91%	12,297	293	46,550	46.55	45.81	344.48	15.69	7.79	356.9	15,781	2,035.0	
3' 2	31' 11	3.03%	12,804	305	48,469	48.47	47.70	344.60	15.71	7.84	374.0	16,437	2,061.8	
3' 3	31' 10	3.15%	13,319	317	50,419	50.42	49.62	344.72	15.73	7.89	391.5	17,105	2,099.5	
3' 4	31' 9	3.27%	13,840	330	52,391	52.39	51.56	344.84	15.75	7.94	409.4	17,780	2,124.5	
3' 5	31' 8	3.40%	14,369	342	54,392	54.39	53.53	344.96	15.77	7.99	427.7	18,466	2,154.4	
3' 6	31' 7	3.52%	14,906	355	56,426	56.43	55.53	345.08	15.79	8.04	446.5	19,162	2,191.0	
3' 7	31' 6	3.65%	15,449	368	58,479	58.48	57.55	345.20	15.81	8.09	465.6	19,866	2,214.9	
3' 8	31' 5	3.78%	15,999	381	60,564	60.56	59.61	345.31	15.83	8.14	485.2	20,584	2,247.0	
3' 9	31' 4	3.91%	16,558	394	62,679	62.68	61.69	345.43	15.84	8.19	505.2	21,310	2,280.7	
3' 10	31' 3	4.05%	17,122	408	64,815	64.81	63.79	345.55	15.86	8.24	525.6	22,043	2,305.5	
3' 11	31' 2	4.18%	17,695	421	66,983	66.98	65.92	345.66	15.87	8.29	546.5	22,786	2,338.6	
4' 0	31' 1	4.32%	18,275	435	69,179	69.18	68.09	345.78	15.89	8.34	567.9	23,544	2,370.0	
4' 1	31' 0	4.46%	18,861	449	71,398	71.40	70.27	345.89	15.90	8.39	589.6	24,306	2,395.2	
4' 2	30' 11	4.60%	19,456	463	73,650	73.65	72.49	346.01	15.91	8.44	611.8	25,082	2,433.9	
4' 3	30' 10	4.74%	20,058	478	75,927	75.93	74.73	346.12	15.93	8.49	634.5	25,866	2,458.4	
4' 4	30' 9	4.88%	20,666	492	78,229	78.23	76.99	346.23	15.94	8.54	657.5	26,656	2,485.6	
4' 5	30' 8	5.03%	21,283	507	80,565	80.56	79.29	346.35	15.95	8.59	681.1	27,462	2,523.4	
4' 6	30' 7	5.18%	21,906	522	82,922	82.92	81.61	346.46	15.96	8.65	705.9	28,275	2,547.1	
4' 7	30' 6	5.32%	22,536	537	85,307	85.31	83.96	346.58	15.97	8.70	730.5	29,099	2,575.9	
4' 8	30' 5	5.48%	23,175	552	87,725	87.73	86.34	346.69	15.98	8.75	755.5	29,933	2,613.4	
4' 9	30' 4	5.63%	23,819	567	90,164	90.16	88.74	346.80	15.99	8.80	780.9	30,775	2,636.7	
4' 10	30' 3	5.78%	24,471	583	92,633	92.63	91.17	346.91	16.00	8.85	806.9	31,628	2,668.8	
4' 11	30' 2	5.94%	25,131	598	95,133	95.13	93.63	347.03	16.01	8.90	833.3	32,492	2,702.5	
5' 0	30' 1	6.10%	25,797	614	97,653	97.65	96.11	347.14	16.02	8.95	860.2	33,364	2,727.3	
5' 1	30' 0	6.25%	26,472	630	100,207	100.21	98.62	347.25	16.03	9.00	887.6	34,246	2,761.0	
5' 2	29' 11	6.42%	27,154	647	102,787	102.79	101.16	347.37	16.04	9.05	915.5	35,140	2,792.0	
5' 3	29' 10	6.58%	27,841	663	105,391	105.39	103.72	347.48	16.05	9.11	944.9	36,041	2,817.4	
5' 4	29' 9	6.74%	28,538	679	108,028	108.03	106.32	347.59	16.05	9.16	973.9	36,956	2,856.5	
5' 5	29' 8	6.91%	29,241	696	110,689	110.69	108.94	347.70	16.06	9.21	1,003.3	37,878	2,880.9	
5' 6	29' 7	7.08%	29,951	713	113,376	113.38	111.58	347.82	16.07	9.26	1,033.2	38,810	2,908.4	

Tank		Oil #6 PORT											
Specific Gravity		1											
Trim		0											
Capacity		10,077 BBL											
Label(s)		Oil#6.p											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
5' 7	29' 6	7.25%	30,670	730	116,097	116.10	114.26	347.93	16.08	9.31	1,063.8	39,754	2,946.4
5' 8	29' 5	7.42%	31,394	747	118,839	118.84	116.96	348.04	16.08	9.36	1,094.7	40,707	2,970.3
5' 9	29' 4	7.59%	32,126	765	121,609	121.61	119.69	348.15	16.09	9.42	1,127.5	41,670	2,999.8
5' 10	29' 3	7.77%	32,866	783	124,413	124.41	122.45	348.26	16.10	9.47	1,159.6	42,644	3,036.1
5' 11	29' 2	7.94%	33,612	800	127,236	127.24	125.22	348.38	16.10	9.52	1,192.1	43,624	3,060.0
6' 0	29' 1	8.12%	34,366	818	130,090	130.09	128.03	348.49	16.11	9.57	1,225.2	44,617	3,090.8
6' 1	29' 0	8.30%	35,128	836	132,974	132.97	130.87	348.60	16.12	9.62	1,259.0	45,621	3,124.2
6' 2	28' 11	8.48%	35,896	855	135,880	135.88	133.73	348.71	16.12	9.68	1,294.5	46,633	3,148.5
6' 3	28' 10	8.66%	36,672	873	138,818	138.82	136.62	348.82	16.13	9.73	1,329.3	47,656	3,182.8
6' 4	28' 9	8.85%	37,455	892	141,783	141.78	139.54	348.94	16.13	9.78	1,364.7	48,691	3,212.4
6' 5	28' 8	9.04%	38,244	911	144,771	144.77	142.48	349.05	16.14	9.83	1,400.6	49,733	3,237.6
6' 6	28' 7	9.23%	39,043	930	147,792	147.79	145.45	349.16	16.14	9.88	1,437.0	50,785	3,276.6
6' 7	28' 6	9.42%	39,847	949	150,837	150.84	148.45	349.27	16.15	9.94	1,475.6	51,849	3,302.7
6' 8	28' 5	9.61%	40,659	968	153,909	153.91	151.47	349.38	16.15	9.99	1,513.2	52,921	3,329.3
6' 9	28' 4	9.80%	41,479	988	157,014	157.01	154.53	349.50	16.16	10.04	1,551.5	54,008	3,367.1
6' 10	28' 3	10.00%	42,305	1,007	160,140	160.14	157.61	349.61	16.16	10.09	1,590.3	55,102	3,391.0
6' 11	28' 2	10.19%	43,138	1,027	163,296	163.30	160.71	349.72	16.17	10.15	1,631.2	56,204	3,421.6
7' 0	28' 1	10.39%	43,980	1,047	166,483	166.48	163.85	349.83	16.17	10.20	1,671.3	57,320	3,457.7
7' 1	28' 0	10.59%	44,828	1,067	169,691	169.69	167.01	349.95	16.18	10.25	1,711.9	58,445	3,481.0
7' 2	27' 11	10.79%	45,683	1,088	172,930	172.93	170.20	350.06	16.18	10.30	1,753.1	59,580	3,512.8
7' 3	27' 10	11.00%	46,547	1,108	176,199	176.20	173.41	350.17	16.19	10.36	1,796.5	60,723	3,547.4
7' 4	27' 9	11.20%	47,416	1,129	179,490	179.49	176.65	350.28	16.19	10.41	1,838.9	61,877	3,571.3
7' 5	27' 8	11.41%	48,294	1,150	182,813	182.81	179.92	350.39	16.19	10.46	1,882.0	63,042	3,605.5
7' 6	27' 7	11.62%	49,179	1,171	186,162	186.16	183.22	350.51	16.20	10.51	1,925.6	64,220	3,635.8
7' 7	27' 6	11.83%	50,070	1,192	189,536	189.54	186.54	350.62	16.20	10.57	1,971.7	65,405	3,662.0
7' 8	27' 5	12.04%	50,970	1,214	192,943	192.94	189.89	350.73	16.21	10.62	2,016.6	66,600	3,700.5
7' 9	27' 4	12.26%	51,876	1,235	196,374	196.37	193.27	350.84	16.21	10.67	2,062.2	67,807	3,724.6
7' 10	27' 3	12.47%	52,790	1,257	199,831	199.83	196.67	350.96	16.21	10.72	2,108.3	69,023	3,753.0
7' 11	27' 2	12.69%	53,712	1,279	203,321	203.32	200.11	351.07	16.22	10.78	2,157.2	70,253	3,790.2
8' 0	27' 1	12.91%	54,639	1,301	206,832	206.83	203.56	351.18	16.22	10.83	2,204.6	71,486	3,813.5
8' 1	27' 0	13.13%	55,575	1,323	210,373	210.37	207.05	351.29	16.22	10.88	2,252.7	72,735	3,842.8
8' 2	26' 11	13.35%	56,518	1,346	213,945	213.95	210.56	351.41	16.23	10.93	2,301.4	73,993	3,879.5
8' 3	26' 10	13.58%	57,467	1,368	217,538	217.54	214.10	351.52	16.23	10.99	2,353.0	75,260	3,902.4

Tank		Oil #6 PORT											
Specific Gravity		1											
Trim		0											
Capacity		10,077 BBL											
Label(s)		Oil#6.p											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
8' 4	26' 9	13.80%	58,425	1,391	221,162	221.16	<b>217.66</b>	351.63	16.23	11.04	<b>2,403.0</b>	<b>76,536</b>	3,933.8
8' 5	26' 8	14.03%	59,390	1,414	224,815	224.81	<b>221.26</b>	351.74	16.24	11.09	<b>2,453.8</b>	<b>77,826</b>	3,967.2
8' 6	26' 7	14.26%	60,361	1,437	228,490	228.49	<b>224.88</b>	351.86	16.24	11.15	<b>2,507.4</b>	<b>79,126</b>	3,993.5
8' 7	26' 6	14.49%	61,340	1,460	232,198	232.20	<b>228.53</b>	351.97	16.24	11.20	<b>2,559.5</b>	<b>80,436</b>	4,027.7
8' 8	26' 5	14.73%	62,327	1,484	235,932	235.93	<b>232.20</b>	352.08	16.25	11.25	<b>2,612.3</b>	<b>81,753</b>	4,056.8
8' 9	26' 4	14.96%	63,320	1,508	239,691	239.69	<b>235.90</b>	352.19	16.25	11.31	<b>2,668.0</b>	<b>83,082</b>	4,082.8
8' 10	26' 3	15.20%	64,321	1,531	243,482	243.48	<b>239.63</b>	352.31	16.25	11.36	<b>2,722.2</b>	<b>84,424</b>	4,123.0
8' 11	26' 2	15.44%	65,329	1,555	247,298	247.30	<b>243.39</b>	352.42	16.26	11.41	<b>2,777.1</b>	<b>85,776</b>	4,146.7
9' 0	26' 1	15.68%	66,344	1,580	251,140	251.14	<b>247.17</b>	352.53	16.26	11.47	<b>2,835.0</b>	<b>87,135</b>	4,174.1
9' 1	26' 0	15.92%	67,368	1,604	255,015	255.01	<b>250.98</b>	352.64	16.26	11.52	<b>2,891.3</b>	<b>88,506</b>	4,212.1
9' 2	25' 11	16.16%	68,397	1,628	258,911	258.91	<b>254.82</b>	352.76	16.26	11.57	<b>2,948.3</b>	<b>89,890</b>	4,236.7
9' 3	25' 10	16.41%	69,434	1,653	262,836	262.84	<b>258.68</b>	352.87	16.27	11.62	<b>3,005.9</b>	<b>91,280</b>	4,265.9
9' 4	25' 9	16.65%	70,479	1,678	266,794	266.79	<b>262.57</b>	352.98	16.27	11.68	<b>3,066.8</b>	<b>92,682</b>	4,301.9
9' 5	25' 8	16.90%	71,530	1,703	270,771	270.77	<b>266.49</b>	353.10	16.27	11.73	<b>3,125.9</b>	<b>94,098</b>	4,325.6
9' 6	25' 7	17.15%	72,589	1,728	274,781	274.78	<b>270.43</b>	353.21	16.28	11.78	<b>3,185.7</b>	<b>95,519</b>	4,357.9
9' 7	25' 6	17.40%	73,656	1,754	278,819	278.82	<b>274.41</b>	353.32	16.28	11.84	<b>3,249.0</b>	<b>96,955</b>	4,390.8
9' 8	25' 5	17.66%	74,729	1,779	282,879	282.88	<b>278.41</b>	353.43	16.28	11.89	<b>3,310.3</b>	<b>98,398</b>	4,415.2
9' 9	25' 4	17.91%	75,810	1,805	286,972	286.97	<b>282.43</b>	353.55	16.28	11.94	<b>3,372.2</b>	<b>99,853</b>	4,450.9
9' 10	25' 3	18.17%	76,898	1,831	291,091	291.09	<b>286.49</b>	353.66	16.29	12.00	<b>3,437.9</b>	<b>101,320</b>	4,479.5
9' 11	25' 2	18.43%	77,993	1,857	295,235	295.23	<b>290.57</b>	353.77	16.29	12.05	<b>3,501.4</b>	<b>102,795</b>	4,505.0
10' 0	25' 1	18.69%	79,096	1,883	299,411	299.41	<b>294.68</b>	353.89	16.29	12.10	<b>3,565.6</b>	<b>104,284</b>	4,543.7
10' 1	25' 0	18.95%	80,205	1,910	303,611	303.61	<b>298.81</b>	354.00	16.29	12.16	<b>3,633.5</b>	<b>105,779</b>	4,568.2
10' 2	24' 11	19.21%	81,322	1,936	307,837	307.84	<b>302.97</b>	354.11	16.29	12.21	<b>3,699.3</b>	<b>107,285</b>	4,595.2
10' 3	24' 10	19.48%	82,447	1,963	312,096	312.10	<b>307.16</b>	354.22	16.30	12.27	<b>3,768.9</b>	<b>108,802</b>	4,632.7
10' 4	24' 9	19.75%	83,578	1,990	316,377	316.38	<b>311.37</b>	354.34	16.30	12.32	<b>3,836.1</b>	<b>110,331</b>	4,656.3
10' 5	24' 8	20.02%	84,716	2,017	320,687	320.69	<b>315.61</b>	354.45	16.30	12.37	<b>3,904.1</b>	<b>111,868</b>	4,687.9
10' 6	24' 7	20.29%	85,864	2,044	325,029	325.03	<b>319.89</b>	354.56	16.30	12.43	<b>3,976.2</b>	<b>113,420</b>	4,723.4
10' 7	24' 6	20.56%	87,016	2,072	329,391	329.39	<b>324.18</b>	354.68	16.31	12.48	<b>4,045.8</b>	<b>114,980</b>	4,746.8
10' 8	24' 5	20.83%	88,177	2,099	333,785	333.78	<b>328.51</b>	354.79	16.31	12.53	<b>4,116.2</b>	<b>116,552</b>	4,778.5
10' 9	24' 4	21.11%	89,345	2,127	338,208	338.21	<b>332.86</b>	354.90	16.31	12.59	<b>4,190.7</b>	<b>118,132</b>	4,813.3
10' 10	24' 3	21.39%	90,519	2,155	342,653	342.65	<b>337.23</b>	355.02	16.31	12.64	<b>4,262.6</b>	<b>119,723</b>	4,837.3
10' 11	24' 2	21.67%	91,702	2,183	347,131	347.13	<b>341.64</b>	355.13	16.31	12.69	<b>4,335.4</b>	<b>121,327</b>	4,872.3
11' 0	24' 1	21.95%	92,892	2,212	351,634	351.63	<b>346.07</b>	355.24	16.32	12.75	<b>4,412.4</b>	<b>122,938</b>	4,901.2

Tank		Oil #6 PORT											
Specific Gravity		1											
Trim		0											
Capacity		10,077 BBL											
Label(s)		Oil#6.p											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
11' 1	24' 0	22.23%	94,088	2,240	356,163	356.16	<b>350.53</b>	355.36	16.32	12.80	<b>4,486.8</b>	<b>124,564</b>	4,928.2
11' 2	23' 11	22.52%	95,293	2,269	360,724	360.72	<b>355.02</b>	355.47	16.32	12.85	<b>4,562.0</b>	<b>126,199</b>	4,966.6
11' 3	23' 10	22.80%	96,504	2,298	365,309	365.31	<b>359.53</b>	355.58	16.32	12.91	<b>4,641.5</b>	<b>127,842</b>	4,990.5
11' 4	23' 9	23.09%	97,723	2,327	369,920	369.92	<b>364.07</b>	355.70	16.32	12.96	<b>4,718.3</b>	<b>129,500</b>	5,018.3
11' 5	23' 8	23.38%	98,950	2,356	374,565	374.57	<b>368.64</b>	355.81	16.33	13.02	<b>4,799.7</b>	<b>131,166</b>	5,056.7
11' 6	23' 7	23.67%	100,182	2,385	379,231	379.23	<b>373.23</b>	355.92	16.33	13.07	<b>4,878.1</b>	<b>132,840</b>	5,079.9
11' 7	23' 6	23.96%	101,423	2,415	383,926	383.93	<b>377.85</b>	356.04	16.33	13.12	<b>4,957.4</b>	<b>134,530</b>	5,109.5
11' 8	23' 5	24.26%	102,671	2,445	388,652	388.65	<b>382.51</b>	356.15	16.33	13.18	<b>5,041.5</b>	<b>136,231</b>	5,144.7
11' 9	23' 4	24.56%	103,924	2,474	393,397	393.40	<b>387.18</b>	356.26	16.33	13.23	<b>5,122.4</b>	<b>137,937</b>	5,161.4
11' 10	23' 3	24.85%	105,184	2,504	398,164	398.16	<b>391.87</b>	356.38	16.33	13.29	<b>5,208.0</b>	<b>139,655</b>	5,179.7
11' 11	23' 2	25.15%	106,447	2,534	402,946	402.95	<b>396.57</b>	356.49	16.34	13.34	<b>5,290.2</b>	<b>141,373</b>	5,190.8
12' 0	23' 1	25.45%	107,713	2,565	407,740	407.74	<b>401.29</b>	356.60	16.34	13.39	<b>5,373.3</b>	<b>143,100</b>	5,205.4
12' 1	23' 0	25.75%	108,982	2,595	412,543	412.54	<b>406.02</b>	356.70	16.34	13.45	<b>5,461.0</b>	<b>144,827</b>	5,220.6
12' 2	22' 11	26.05%	110,253	2,625	417,351	417.35	<b>410.75</b>	356.81	16.34	13.50	<b>5,545.1</b>	<b>146,560</b>	5,230.5
12' 3	22' 10	26.35%	111,524	2,655	422,164	422.16	<b>415.49</b>	356.91	16.35	13.55	<b>5,629.9</b>	<b>148,293</b>	5,240.5
12' 4	22' 9	26.65%	112,797	2,686	426,982	426.98	<b>420.23</b>	357.02	16.35	13.60	<b>5,715.1</b>	<b>150,031</b>	5,252.4
12' 5	22' 8	26.95%	114,070	2,716	431,803	431.80	<b>424.97</b>	357.12	16.35	13.66	<b>5,805.1</b>	<b>151,765</b>	5,261.7
12' 6	22' 7	27.25%	115,345	2,746	436,628	436.63	<b>429.72</b>	357.21	16.36	13.71	<b>5,891.5</b>	<b>153,500</b>	5,271.2
12' 7	22' 6	27.56%	116,621	2,777	441,457	441.46	<b>434.48</b>	357.31	16.36	13.76	<b>5,978.4</b>	<b>155,244</b>	5,280.8
12' 8	22' 5	27.86%	117,897	2,807	446,290	446.29	<b>439.23</b>	357.40	16.36	13.81	<b>6,065.8</b>	<b>156,981</b>	5,291.7
12' 9	22' 4	28.16%	119,175	2,838	451,128	451.13	<b>443.99</b>	357.50	16.37	13.86	<b>6,153.7</b>	<b>158,726</b>	5,300.6
12' 10	22' 3	28.46%	120,454	2,868	455,968	455.97	<b>448.76</b>	357.59	16.37	13.92	<b>6,246.7</b>	<b>160,472</b>	5,309.6
12' 11	22' 2	28.76%	121,734	2,898	460,812	460.81	<b>453.52</b>	357.68	16.37	13.97	<b>6,335.7</b>	<b>162,215</b>	5,318.7
13' 0	22' 1	29.07%	123,014	2,929	465,660	465.66	<b>458.30</b>	357.76	16.38	14.02	<b>6,425.4</b>	<b>163,961</b>	5,328.8
13' 1	22' 0	29.37%	124,296	2,959	470,512	470.51	<b>463.07</b>	357.85	16.38	14.07	<b>6,515.4</b>	<b>165,710</b>	5,337.2
13' 2	21' 11	29.67%	125,578	2,990	475,366	475.37	<b>467.85</b>	357.93	16.38	14.12	<b>6,606.0</b>	<b>167,458</b>	5,345.8
13' 3	21' 10	29.98%	126,862	3,021	480,224	480.22	<b>472.63</b>	358.02	16.39	14.17	<b>6,697.2</b>	<b>169,211</b>	5,354.4
13' 4	21' 9	30.28%	128,146	3,051	485,086	485.09	<b>477.41</b>	358.10	16.39	14.22	<b>6,788.8</b>	<b>170,961</b>	5,363.5
13' 5	21' 8	30.58%	129,431	3,082	489,950	489.95	<b>482.20</b>	358.18	16.39	14.27	<b>6,881.0</b>	<b>172,714</b>	5,371.5
13' 6	21' 7	30.89%	130,717	3,112	494,818	494.82	<b>486.99</b>	358.26	16.40	14.32	<b>6,973.7</b>	<b>174,469</b>	5,379.6
13' 7	21' 6	31.19%	132,004	3,143	499,689	499.69	<b>491.79</b>	358.33	16.40	14.37	<b>7,067.0</b>	<b>176,223</b>	5,387.7
13' 8	21' 5	31.49%	133,292	3,174	504,563	504.56	<b>496.58</b>	358.41	16.40	14.42	<b>7,160.7</b>	<b>177,979</b>	5,395.9
13' 9	21' 4	31.80%	134,580	3,204	509,440	509.44	<b>501.38</b>	358.48	16.41	14.47	<b>7,255.0</b>	<b>179,735</b>	5,403.3

Tank		Oil #6 PORT												
Specific Gravity		1												
Trim		0												
Capacity		10,077 BBL												
Label(s)		Oil#6.p												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
13' 10	21' 3	32.10%	135,869	3,235	514,320	514.32	<b>506.19</b>	358.56	16.41	14.52	<b>7,349.9</b>	<b>181,499</b>	5,410.9	
13' 11	21' 2	32.41%	137,159	3,266	519,203	519.20	<b>510.99</b>	358.63	16.41	14.57	<b>7,445.1</b>	<b>183,256</b>	5,418.8	
14' 0	21' 1	32.71%	138,449	3,296	524,088	524.09	<b>515.80</b>	358.70	16.42	14.62	<b>7,541.0</b>	<b>185,017</b>	5,425.7	
14' 1	21' 0	33.02%	139,741	3,327	528,976	528.98	<b>520.61</b>	358.77	16.42	14.67	<b>7,637.3</b>	<b>186,779</b>	5,432.7	
14' 2	20' 11	33.32%	141,033	3,358	533,866	533.87	<b>525.42</b>	358.84	16.43	14.72	<b>7,734.2</b>	<b>188,542</b>	5,439.8	
14' 3	20' 10	33.63%	142,325	3,389	538,760	538.76	<b>530.24</b>	358.91	16.43	14.77	<b>7,831.6</b>	<b>190,308</b>	5,448.7	
14' 4	20' 9	33.93%	143,619	3,419	543,656	543.66	<b>535.06</b>	358.97	16.43	14.82	<b>7,929.6</b>	<b>192,070</b>	5,455.1	
14' 5	20' 8	34.24%	144,913	3,450	548,555	548.55	<b>539.88</b>	359.04	16.44	14.87	<b>8,028.0</b>	<b>193,839</b>	5,461.7	
14' 6	20' 7	34.55%	146,208	3,481	553,456	553.46	<b>544.70</b>	359.10	16.44	14.92	<b>8,126.9</b>	<b>195,602</b>	5,468.2	
14' 7	20' 6	34.85%	147,503	3,512	558,360	558.36	<b>549.53</b>	359.17	16.44	14.96	<b>8,221.0</b>	<b>197,375</b>	5,476.2	
14' 8	20' 5	35.16%	148,799	3,543	563,265	563.27	<b>554.36</b>	359.23	16.45	15.01	<b>8,320.9</b>	<b>199,143</b>	5,482.2	
14' 9	20' 4	35.46%	150,096	3,574	568,174	568.17	<b>559.19</b>	359.29	16.45	15.06	<b>8,421.4</b>	<b>200,911</b>	5,488.2	
14' 10	20' 3	35.77%	151,393	3,605	573,084	573.08	<b>564.02</b>	359.35	16.46	15.11	<b>8,522.3</b>	<b>202,681</b>	5,494.3	
14' 11	20' 2	36.08%	152,691	3,635	577,997	578.0	<b>568.86</b>	359.41	16.46	15.16	<b>8,623.9</b>	<b>204,454</b>	5,501.3	
15' 0	20' 1	36.38%	153,989	3,666	582,912	582.91	<b>573.69</b>	359.47	16.46	15.21	<b>8,725.8</b>	<b>206,224</b>	5,506.7	
15' 1	20' 0	36.69%	155,288	3,697	587,828	587.83	<b>578.53</b>	359.53	16.47	15.26	<b>8,828.4</b>	<b>207,999</b>	5,512.2	
15' 2	19' 11	37.00%	156,587	3,728	592,747	592.75	<b>583.37</b>	359.59	16.47	15.30	<b>8,925.6</b>	<b>209,774</b>	5,517.8	
15' 3	19' 10	37.31%	157,887	3,759	597,668	597.67	<b>588.22</b>	359.64	16.47	15.35	<b>9,029.2</b>	<b>211,547</b>	5,523.9	
15' 4	19' 9	37.61%	159,188	3,790	602,591	602.59	<b>593.06</b>	359.70	16.48	15.40	<b>9,133.1</b>	<b>213,324</b>	5,528.8	
15' 5	19' 8	37.92%	160,489	3,821	607,515	607.52	<b>597.91</b>	359.75	16.48	15.45	<b>9,237.7</b>	<b>215,098</b>	5,533.8	
15' 6	19' 7	38.23%	161,790	3,852	612,441	612.44	<b>602.76</b>	359.81	16.49	15.49	<b>9,336.8</b>	<b>216,879</b>	5,538.8	
15' 7	19' 6	38.54%	163,092	3,883	617,369	617.37	<b>607.61</b>	359.86	16.49	15.54	<b>9,442.3</b>	<b>218,655</b>	5,543.9	
15' 8	19' 5	38.84%	164,394	3,914	622,298	622.30	<b>612.46</b>	359.91	16.49	15.59	<b>9,548.3</b>	<b>220,430</b>	5,548.3	
15' 9	19' 4	39.15%	165,697	3,945	627,229	627.23	<b>617.31</b>	359.97	16.50	15.64	<b>9,654.7</b>	<b>222,213</b>	5,552.7	
15' 10	19' 3	39.46%	167,000	3,976	632,162	632.16	<b>622.16</b>	360.02	16.50	15.69	<b>9,761.7</b>	<b>223,990</b>	5,557.5	
15' 11	19' 2	39.77%	168,303	4,007	637,096	637.10	<b>627.02</b>	360.07	16.50	15.73	<b>9,863.0</b>	<b>225,771</b>	5,561.3	
16' 0	19' 1	40.08%	169,607	4,038	642,031	642.03	<b>631.88</b>	360.12	16.51	15.78	<b>9,971.1</b>	<b>227,553</b>	5,565.1	
16' 1	19' 0	40.38%	170,911	4,069	646,967	646.97	<b>636.74</b>	360.17	16.51	15.83	<b>10,079.6</b>	<b>229,335</b>	5,569.0	
16' 2	18' 11	40.69%	172,215	4,100	651,905	651.91	<b>641.60</b>	360.21	16.51	15.87	<b>10,182.2</b>	<b>231,111</b>	5,574.7	
16' 3	18' 10	41.00%	173,520	4,131	656,845	656.85	<b>646.46</b>	360.26	16.52	15.92	<b>10,291.6</b>	<b>232,894</b>	5,578.0	
16' 4	18' 9	41.31%	174,825	4,163	661,786	661.79	<b>651.32</b>	360.31	16.52	15.97	<b>10,401.6</b>	<b>234,677</b>	5,581.2	
16' 5	18' 8	41.62%	176,131	4,194	666,728	666.73	<b>656.18</b>	360.36	16.52	16.02	<b>10,512.0</b>	<b>236,461</b>	5,584.5	
16' 6	18' 7	41.93%	177,437	4,225	671,670	671.67	<b>661.05</b>	360.40	16.53	16.06	<b>10,616.5</b>	<b>238,242</b>	5,589.1	



Tank		Oil #6 PORT											
Specific Gravity		1											
Trim		0											
Capacity		10,077 BBL											
Label(s)		Oil#6.p											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
16' 7	18' 6	42.23%	178,743	4,256	676,614	676.61	<b>665.91</b>	360.45	16.53	16.11	<b>10,727.8</b>	<b>240,027</b>	5,591.8
16' 8	18' 5	42.54%	180,049	4,287	681,559	681.56	<b>670.78</b>	360.49	16.53	16.16	<b>10,839.8</b>	<b>241,809</b>	5,594.6
16' 9	18' 4	42.85%	181,356	4,318	686,505	686.51	<b>675.65</b>	360.53	16.54	16.20	<b>10,945.5</b>	<b>243,592</b>	5,597.3
16' 10	18' 3	43.16%	182,662	4,349	691,452	691.45	<b>680.52</b>	360.58	16.54	16.25	<b>11,058.5</b>	<b>245,382</b>	5,600.7
16' 11	18' 2	43.47%	183,970	4,380	696,400	696.40	<b>685.39</b>	360.62	16.54	16.30	<b>11,171.9</b>	<b>247,165</b>	5,602.8
17' 0	18' 1	43.78%	185,277	4,411	701,349	701.35	<b>690.26</b>	360.66	16.55	16.34	<b>11,278.8</b>	<b>248,949</b>	5,605.0
17' 1	18' 0	44.09%	186,584	4,442	706,297	706.30	<b>695.13</b>	360.70	16.55	16.39	<b>11,393.2</b>	<b>250,733</b>	5,607.1
17' 2	17' 11	44.40%	187,892	4,474	711,247	711.25	<b>700.0</b>	360.75	16.55	16.43	<b>11,501.0</b>	<b>252,525</b>	5,609.4
17' 3	17' 10	44.70%	189,200	4,505	716,198	716.20	<b>704.87</b>	360.79	16.56	16.48	<b>11,616.3</b>	<b>254,310</b>	5,610.9
17' 4	17' 9	45.01%	190,507	4,536	721,149	721.15	<b>709.74</b>	360.83	16.56	16.53	<b>11,732.0</b>	<b>256,095</b>	5,612.4
17' 5	17' 8	45.32%	191,815	4,567	726,100	726.10	<b>714.62</b>	360.87	16.56	16.57	<b>11,841.3</b>	<b>257,885</b>	5,613.9
17' 6	17' 7	45.63%	193,124	4,598	731,052	731.05	<b>719.49</b>	360.90	16.57	16.62	<b>11,957.9</b>	<b>259,664</b>	5,616.9
17' 7	17' 6	45.94%	194,432	4,629	736,005	736.01	<b>724.36</b>	360.94	16.57	16.67	<b>12,075.1</b>	<b>261,450</b>	5,617.8
17' 8	17' 5	46.25%	195,740	4,660	740,958	740.96	<b>729.24</b>	360.98	16.57	16.71	<b>12,185.6</b>	<b>263,241</b>	5,618.8
17' 9	17' 4	46.56%	197,049	4,692	745,911	745.91	<b>734.11</b>	361.02	16.58	16.76	<b>12,303.7</b>	<b>265,028</b>	5,619.7
17' 10	17' 3	46.87%	198,358	4,723	750,865	750.86	<b>738.99</b>	361.06	16.58	16.80	<b>12,415.0</b>	<b>266,820</b>	5,621.0
17' 11	17' 2	47.18%	199,666	4,754	755,819	755.82	<b>743.87</b>	361.09	16.58	16.85	<b>12,534.2</b>	<b>268,604</b>	5,621.3
18' 0	17' 1	47.49%	200,975	4,785	760,773	760.77	<b>748.74</b>	361.13	16.58	16.90	<b>12,653.7</b>	<b>270,392</b>	5,621.6
18' 1	17' 0	47.80%	202,284	4,816	765,726	765.73	<b>753.62</b>	361.16	16.59	16.94	<b>12,766.3</b>	<b>272,177</b>	5,622.9
18' 2	16' 11	48.11%	203,592	4,847	770,681	770.68	<b>758.49</b>	361.20	16.59	16.99	<b>12,886.7</b>	<b>273,967</b>	5,622.9
18' 3	16' 10	48.41%	204,901	4,879	775,635	775.64	<b>763.37</b>	361.23	16.59	17.03	<b>13,000.2</b>	<b>275,752</b>	5,622.9
18' 4	16' 9	48.72%	206,210	4,910	780,590	780.59	<b>768.24</b>	361.27	16.60	17.08	<b>13,121.5</b>	<b>277,542</b>	5,622.9
18' 5	16' 8	49.03%	207,519	4,941	785,544	785.54	<b>773.12</b>	361.30	16.60	17.12	<b>13,235.8</b>	<b>279,328</b>	5,622.9
18' 6	16' 7	49.34%	208,828	4,972	790,498	790.50	<b>778.0</b>	361.34	16.60	17.17	<b>13,358.3</b>	<b>281,123</b>	5,622.9
18' 7	16' 6	49.65%	210,136	5,003	795,452	795.45	<b>782.87</b>	361.37	16.60	17.21	<b>13,473.2</b>	<b>282,906</b>	5,622.9
18' 8	16' 5	49.96%	211,445	5,034	800,406	800.41	<b>787.75</b>	361.40	16.61	17.26	<b>13,596.6</b>	<b>284,693</b>	5,622.9
18' 9	16' 4	50.27%	212,754	5,066	805,361	805.36	<b>792.62</b>	361.43	16.61	17.31	<b>13,720.3</b>	<b>286,477</b>	5,622.9
18' 10	16' 3	50.58%	214,063	5,097	810,315	810.32	<b>797.50</b>	361.47	16.61	17.35	<b>13,836.6</b>	<b>288,272</b>	5,622.9
18' 11	16' 2	50.89%	215,372	5,128	815,270	815.27	<b>802.38</b>	361.50	16.61	17.40	<b>13,961.4</b>	<b>290,060</b>	5,622.9
19' 0	16' 1	51.20%	216,680	5,159	820,224	820.22	<b>807.25</b>	361.53	16.62	17.44	<b>14,078.4</b>	<b>291,845</b>	5,622.9
19' 1	16' 0	51.51%	217,989	5,190	825,178	825.18	<b>812.13</b>	361.56	16.62	17.49	<b>14,204.2</b>	<b>293,634</b>	5,622.9
19' 2	15' 11	51.82%	219,298	5,221	830,132	830.13	<b>817.0</b>	361.59	16.62	17.53	<b>14,322.0</b>	<b>295,419</b>	5,622.9
19' 3	15' 10	52.13%	220,607	5,253	835,087	835.09	<b>821.88</b>	361.62	16.62	17.58	<b>14,448.7</b>	<b>297,208</b>	5,622.9

Tank		Oil #6 PORT											
Specific Gravity		1											
Trim		0											
Capacity		10,077 BBL											
Label(s)		Oil#6.p											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
19' 4	15' 9	52.43%	221,915	5,284	840,041	840.04	<b>826.76</b>	361.65	16.63	17.62	<b>14,567.5</b>	<b>298,998</b>	5,622.9
19' 5	15' 8	52.74%	223,224	5,315	844,995	845.0	<b>831.63</b>	361.68	16.63	17.67	<b>14,694.9</b>	<b>300,784</b>	5,622.9
19' 6	15' 7	53.05%	224,533	5,346	849,950	849.95	<b>836.51</b>	361.71	16.63	17.71	<b>14,814.6</b>	<b>302,574</b>	5,622.9
19' 7	15' 6	53.36%	225,842	5,377	854,904	854.90	<b>841.38</b>	361.73	16.63	17.76	<b>14,942.9</b>	<b>304,352</b>	5,622.9
19' 8	15' 5	53.67%	227,151	5,408	859,859	859.86	<b>846.26</b>	361.76	16.64	17.80	<b>15,063.4</b>	<b>306,143</b>	5,622.9
19' 9	15' 4	53.98%	228,459	5,440	864,813	864.81	<b>851.14</b>	361.79	16.64	17.85	<b>15,192.8</b>	<b>307,934</b>	5,622.9
19' 10	15' 3	54.29%	229,768	5,471	869,766	869.77	<b>856.01</b>	361.82	16.64	17.89	<b>15,314.0</b>	<b>309,722</b>	5,622.9
19' 11	15' 2	54.60%	231,077	5,502	874,721	874.72	<b>860.89</b>	361.85	16.64	17.94	<b>15,444.4</b>	<b>311,513</b>	5,622.9
20' 0	15' 1	54.91%	232,386	5,533	879,675	879.68	<b>865.76</b>	361.87	16.64	17.98	<b>15,566.4</b>	<b>313,293</b>	5,622.9
20' 1	15' 0	55.22%	233,695	5,564	884,630	884.63	<b>870.64</b>	361.90	16.65	18.03	<b>15,697.6</b>	<b>315,085</b>	5,622.9
20' 2	14' 11	55.53%	235,003	5,595	889,584	889.58	<b>875.51</b>	361.93	16.65	18.07	<b>15,820.5</b>	<b>316,873</b>	5,622.9
20' 3	14' 10	55.84%	236,312	5,626	894,539	894.54	<b>880.39</b>	361.95	16.65	18.11	<b>15,943.9</b>	<b>318,657</b>	5,622.9
20' 4	14' 9	56.15%	237,621	5,658	899,493	899.49	<b>885.27</b>	361.98	16.65	18.16	<b>16,076.5</b>	<b>320,450</b>	5,622.9
20' 5	14' 8	56.45%	238,930	5,689	904,447	904.45	<b>890.14</b>	362.00	16.65	18.20	<b>16,200.5</b>	<b>322,231</b>	5,622.9
20' 6	14' 7	56.76%	240,238	5,720	909,401	909.40	<b>895.02</b>	362.03	16.66	18.25	<b>16,334.1</b>	<b>324,024</b>	5,622.9
20' 7	14' 6	57.07%	241,547	5,751	914,355	914.36	<b>899.89</b>	362.05	16.66	18.29	<b>16,459.0</b>	<b>325,805</b>	5,622.9
20' 8	14' 5	57.38%	242,856	5,782	919,310	919.31	<b>904.77</b>	362.08	16.66	18.34	<b>16,593.5</b>	<b>327,599</b>	5,622.9
20' 9	14' 4	57.69%	244,165	5,813	924,264	924.26	<b>909.65</b>	362.10	16.66	18.38	<b>16,719.4</b>	<b>329,384</b>	5,622.9
20' 10	14' 3	58.00%	245,474	5,845	929,218	929.22	<b>914.52</b>	362.13	16.66	18.43	<b>16,854.6</b>	<b>331,175</b>	5,622.9
20' 11	14' 2	58.31%	246,782	5,876	934,173	934.17	<b>919.40</b>	362.15	16.67	18.47	<b>16,981.3</b>	<b>332,961</b>	5,622.9
21' 0	14' 1	58.62%	248,091	5,907	939,127	939.13	<b>924.27</b>	362.17	16.67	18.52	<b>17,117.5</b>	<b>334,743</b>	5,622.9
21' 1	14' 0	58.93%	249,400	5,938	944,081	944.08	<b>929.15</b>	362.20	16.67	18.56	<b>17,245.0</b>	<b>336,538</b>	5,622.9
21' 2	13' 11	59.24%	250,709	5,969	949,035	949.04	<b>934.03</b>	362.22	16.67	18.60	<b>17,373.0</b>	<b>338,324</b>	5,622.9
21' 3	13' 10	59.55%	252,018	6,000	953,990	953.99	<b>938.90</b>	362.24	16.67	18.65	<b>17,510.5</b>	<b>340,107</b>	5,622.9
21' 4	13' 9	59.86%	253,326	6,032	958,944	958.94	<b>943.78</b>	362.27	16.68	18.69	<b>17,639.2</b>	<b>341,903</b>	5,622.9
21' 5	13' 8	60.17%	254,635	6,063	963,899	963.90	<b>948.65</b>	362.29	16.68	18.74	<b>17,777.7</b>	<b>343,686</b>	5,622.9
21' 6	13' 7	60.48%	255,944	6,094	968,853	968.85	<b>953.53</b>	362.31	16.68	18.78	<b>17,907.3</b>	<b>345,473</b>	5,622.9
21' 7	13' 6	60.78%	257,253	6,125	973,807	973.81	<b>958.41</b>	362.33	16.68	18.83	<b>18,046.9</b>	<b>347,261</b>	5,622.9
21' 8	13' 5	61.09%	258,561	6,156	978,761	978.76	<b>963.28</b>	362.36	16.68	18.87	<b>18,177.1</b>	<b>349,054</b>	5,622.9
21' 9	13' 4	61.40%	259,870	6,187	983,716	983.72	<b>968.16</b>	362.38	16.68	18.91	<b>18,307.9</b>	<b>350,842</b>	5,622.9
21' 10	13' 3	61.71%	261,179	6,219	988,670	988.67	<b>973.03</b>	362.40	16.69	18.96	<b>18,448.6</b>	<b>352,626</b>	5,622.9
21' 11	13' 2	62.02%	262,488	6,250	993,624	993.62	<b>977.91</b>	362.42	16.69	19.00	<b>18,580.3</b>	<b>354,414</b>	5,622.9
22' 0	13' 1	62.33%	263,797	6,281	998,579	998.58	<b>982.79</b>	362.44	16.69	19.05	<b>18,722.1</b>	<b>356,202</b>	5,622.9

Tank		Oil #6 PORT											
Specific Gravity		1											
Trim		0											
Capacity		10,077 BBL											
Label(s)		Oil#6.p											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
22' 1	13' 0	62.64%	265,105	6,312	1,003,533	1,003.53	<b>987.66</b>	362.46	16.69	19.09	<b>18,854.4</b>	<b>357,987</b>	5,622.9
22' 2	12' 11	62.95%	266,414	6,343	1,008,487	1,008.49	<b>992.54</b>	362.48	16.69	19.13	<b>18,987.3</b>	<b>359,776</b>	5,622.9
22' 3	12' 10	63.26%	267,723	6,374	1,013,441	1,013.44	<b>997.41</b>	362.50	16.69	19.18	<b>19,130.3</b>	<b>361,561</b>	5,622.9
22' 4	12' 9	63.57%	269,032	6,406	1,018,396	1,018.40	<b>1,002.29</b>	362.52	16.70	19.22	<b>19,264.0</b>	<b>363,350</b>	5,622.9
22' 5	12' 8	63.88%	270,341	6,437	1,023,350	1,023.35	<b>1,007.17</b>	362.54	16.70	19.27	<b>19,408.2</b>	<b>365,139</b>	5,622.9
22' 6	12' 7	64.19%	271,649	6,468	1,028,305	1,028.30	<b>1,012.04</b>	362.56	16.70	19.31	<b>19,542.5</b>	<b>366,925</b>	5,622.9
22' 7	12' 6	64.50%	272,958	6,499	1,033,259	1,033.26	<b>1,016.92</b>	362.58	16.70	19.35	<b>19,677.4</b>	<b>368,715</b>	5,622.9
22' 8	12' 5	64.80%	274,267	6,530	1,038,213	1,038.21	<b>1,021.79</b>	362.60	16.70	19.40	<b>19,822.7</b>	<b>370,501</b>	5,622.9
22' 9	12' 4	65.11%	275,576	6,561	1,043,167	1,043.17	<b>1,026.67</b>	362.62	16.70	19.44	<b>19,958.5</b>	<b>372,291</b>	5,622.9
22' 10	12' 3	65.42%	276,884	6,592	1,048,121	1,048.12	<b>1,031.55</b>	362.64	16.71	19.49	<b>20,104.9</b>	<b>374,081</b>	5,622.9
22' 11	12' 2	65.73%	278,193	6,624	1,053,076	1,053.08	<b>1,036.42</b>	362.66	16.71	19.53	<b>20,241.3</b>	<b>375,868</b>	5,622.9
23' 0	12' 1	66.04%	279,502	6,655	1,058,030	1,058.03	<b>1,041.30</b>	362.68	16.71	19.57	<b>20,378.2</b>	<b>377,659</b>	5,622.9
23' 1	12' 0	66.35%	280,811	6,686	1,062,984	1,062.98	<b>1,046.17</b>	362.69	16.71	19.62	<b>20,525.9</b>	<b>379,435</b>	5,622.9
23' 2	11' 11	66.66%	282,120	6,717	1,067,939	1,067.94	<b>1,051.05</b>	362.71	16.71	19.66	<b>20,663.6</b>	<b>381,226</b>	5,622.9
23' 3	11' 10	66.97%	283,428	6,748	1,072,893	1,072.89	<b>1,055.93</b>	362.73	16.71	19.70	<b>20,801.8</b>	<b>383,017</b>	5,622.9
23' 4	11' 9	67.28%	284,737	6,779	1,077,848	1,077.85	<b>1,060.80</b>	362.75	16.71	19.75	<b>20,950.8</b>	<b>384,805</b>	5,622.9
23' 5	11' 8	67.59%	286,046	6,811	1,082,802	1,082.80	<b>1,065.68</b>	362.77	16.72	19.79	<b>21,089.8</b>	<b>386,597</b>	5,622.9
23' 6	11' 7	67.90%	287,355	6,842	1,087,756	1,087.76	<b>1,070.55</b>	362.78	16.72	19.84	<b>21,239.7</b>	<b>388,374</b>	5,622.9
23' 7	11' 6	68.21%	288,664	6,873	1,092,711	1,092.71	<b>1,075.43</b>	362.80	16.72	19.88	<b>21,379.5</b>	<b>390,166</b>	5,622.9
23' 8	11' 5	68.52%	289,972	6,904	1,097,665	1,097.66	<b>1,080.31</b>	362.82	16.72	19.92	<b>21,519.8</b>	<b>391,958</b>	5,622.9
23' 9	11' 4	68.82%	291,281	6,935	1,102,619	1,102.62	<b>1,085.18</b>	362.84	16.72	19.97	<b>21,671.0</b>	<b>393,747</b>	5,622.9
23' 10	11' 3	69.13%	292,590	6,966	1,107,573	1,107.57	<b>1,090.06</b>	362.85	16.72	20.01	<b>21,812.1</b>	<b>395,528</b>	5,622.9
23' 11	11' 2	69.44%	293,899	6,998	1,112,527	1,112.53	<b>1,094.93</b>	362.87	16.72	20.05	<b>21,953.3</b>	<b>397,317</b>	5,622.9
24' 0	11' 1	69.75%	295,208	7,029	1,117,482	1,117.48	<b>1,099.81</b>	362.89	16.73	20.10	<b>22,106.2</b>	<b>399,110</b>	5,622.9
24' 1	11' 0	70.06%	296,516	7,060	1,122,436	1,122.44	<b>1,104.68</b>	362.90	16.73	20.14	<b>22,248.3</b>	<b>400,888</b>	5,622.9
24' 2	10' 11	70.37%	297,825	7,091	1,127,391	1,127.39	<b>1,109.56</b>	362.92	16.73	20.18	<b>22,390.9</b>	<b>402,682</b>	5,622.9
24' 3	10' 10	70.68%	299,134	7,122	1,132,345	1,132.34	<b>1,114.44</b>	362.94	16.73	20.23	<b>22,545.1</b>	<b>404,475</b>	5,622.9
24' 4	10' 9	70.99%	300,443	7,153	1,137,299	1,137.30	<b>1,119.31</b>	362.95	16.73	20.27	<b>22,688.4</b>	<b>406,254</b>	5,622.9
24' 5	10' 8	71.30%	301,752	7,185	1,142,254	1,142.25	<b>1,124.19</b>	362.97	16.73	20.31	<b>22,832.3</b>	<b>408,047</b>	5,622.9
24' 6	10' 7	71.61%	303,060	7,216	1,147,208	1,147.21	<b>1,129.06</b>	362.98	16.73	20.36	<b>22,987.7</b>	<b>409,826</b>	5,622.9
24' 7	10' 6	71.92%	304,369	7,247	1,152,162	1,152.16	<b>1,133.94</b>	363.00	16.73	20.40	<b>23,132.4</b>	<b>411,620</b>	5,622.9
24' 8	10' 5	72.23%	305,678	7,278	1,157,116	1,157.12	<b>1,138.82</b>	363.01	16.74	20.45	<b>23,288.9</b>	<b>413,403</b>	5,622.9
24' 9	10' 4	72.54%	306,987	7,309	1,162,070	1,162.07	<b>1,143.69</b>	363.03	16.74	20.49	<b>23,434.2</b>	<b>415,194</b>	5,622.9

Tank		Oil #6 PORT											
Specific Gravity		1											
Trim		0											
Capacity		10,077 BBL											
Label(s)		Oil#6.p											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
24' 10	10' 3	72.84%	308,295	7,340	1,167,025	1,167.03	<b>1,148.57</b>	363.05	16.74	20.53	<b>23,580.1</b>	<b>416,988</b>	5,622.9
24' 11	10' 2	73.15%	309,604	7,372	1,171,979	1,171.98	<b>1,153.44</b>	363.06	16.74	20.58	<b>23,737.8</b>	<b>418,768</b>	5,622.9
25' 0	10' 1	73.46%	310,913	7,403	1,176,933	1,176.93	<b>1,158.32</b>	363.08	16.74	20.62	<b>23,884.6</b>	<b>420,563</b>	5,622.9
25' 1	10' 0	73.77%	312,222	7,434	1,181,888	1,181.89	<b>1,163.19</b>	363.09	16.74	20.66	<b>24,031.5</b>	<b>422,343</b>	5,622.9
25' 2	9' 11	74.08%	313,531	7,465	1,186,842	1,186.84	<b>1,168.07</b>	363.11	16.74	20.71	<b>24,190.7</b>	<b>424,138</b>	5,622.9
25' 3	9' 10	74.39%	314,839	7,496	1,191,796	1,191.80	<b>1,172.95</b>	363.12	16.74	20.75	<b>24,338.7</b>	<b>425,922</b>	5,622.9
25' 4	9' 9	74.70%	316,148	7,527	1,196,751	1,196.75	<b>1,177.82</b>	363.13	16.75	20.79	<b>24,486.9</b>	<b>427,702</b>	5,622.9
25' 5	9' 8	75.01%	317,457	7,558	1,201,705	1,201.71	<b>1,182.70</b>	363.15	16.75	20.84	<b>24,647.5</b>	<b>429,498</b>	5,622.9
25' 6	9' 7	75.32%	318,766	7,590	1,206,659	1,206.66	<b>1,187.58</b>	363.16	16.75	20.88	<b>24,796.7</b>	<b>431,282</b>	5,622.9
25' 7	9' 6	75.63%	320,075	7,621	1,211,614	1,211.61	<b>1,192.45</b>	363.18	16.75	20.92	<b>24,946.1</b>	<b>433,074</b>	5,622.9
25' 8	9' 5	75.94%	321,383	7,652	1,216,568	1,216.57	<b>1,197.33</b>	363.19	16.75	20.97	<b>25,108.0</b>	<b>434,858</b>	5,622.9
25' 9	9' 4	76.25%	322,692	7,683	1,221,522	1,221.52	<b>1,202.20</b>	363.21	16.75	21.01	<b>25,258.2</b>	<b>436,651</b>	5,622.9
25' 10	9' 3	76.56%	324,001	7,714	1,226,476	1,226.48	<b>1,207.08</b>	363.22	16.75	21.05	<b>25,409.0</b>	<b>438,436</b>	5,622.9
25' 11	9' 2	76.86%	325,310	7,745	1,231,430	1,231.43	<b>1,211.95</b>	363.23	16.75	21.10	<b>25,572.1</b>	<b>440,217</b>	5,622.9
26' 0	9' 1	77.17%	326,618	7,777	1,236,385	1,236.39	<b>1,216.83</b>	363.25	16.75	21.14	<b>25,723.8</b>	<b>442,013</b>	5,622.9
26' 1	9' 0	77.48%	327,927	7,808	1,241,339	1,241.34	<b>1,221.71</b>	363.26	16.76	21.18	<b>25,875.8</b>	<b>443,798</b>	5,622.9
26' 2	8' 11	77.79%	329,236	7,839	1,246,294	1,246.29	<b>1,226.58</b>	363.27	16.76	21.22	<b>26,028.0</b>	<b>445,580</b>	5,622.9
26' 3	8' 10	78.10%	330,545	7,870	1,251,248	1,251.25	<b>1,231.46</b>	363.29	16.76	21.27	<b>26,193.2</b>	<b>447,377</b>	5,622.9
26' 4	8' 9	78.41%	331,854	7,901	1,256,202	1,256.20	<b>1,236.34</b>	363.30	16.76	21.31	<b>26,346.4</b>	<b>449,162</b>	5,622.9
26' 5	8' 8	78.72%	333,162	7,932	1,261,157	1,261.16	<b>1,241.21</b>	363.31	16.76	21.35	<b>26,499.8</b>	<b>450,944</b>	5,622.9
26' 6	8' 7	79.03%	334,471	7,964	1,266,111	1,266.11	<b>1,246.09</b>	363.33	16.76	21.40	<b>26,666.3</b>	<b>452,742</b>	5,622.9
26' 7	8' 6	79.34%	335,780	7,995	1,271,065	1,271.07	<b>1,250.96</b>	363.34	16.76	21.44	<b>26,820.6</b>	<b>454,524</b>	5,622.9
26' 8	8' 5	79.65%	337,089	8,026	1,276,019	1,276.02	<b>1,255.84</b>	363.35	16.76	21.48	<b>26,975.4</b>	<b>456,309</b>	5,622.9
26' 9	8' 4	79.96%	338,398	8,057	1,280,974	1,280.97	<b>1,260.71</b>	363.37	16.76	21.53	<b>27,143.1</b>	<b>458,104</b>	5,622.9
26' 10	8' 3	80.27%	339,706	8,088	1,285,928	1,285.93	<b>1,265.59</b>	363.38	16.77	21.57	<b>27,298.8</b>	<b>459,890</b>	5,622.9
26' 11	8' 2	80.58%	341,015	8,119	1,290,883	1,290.88	<b>1,270.47</b>	363.39	16.77	21.61	<b>27,454.9</b>	<b>461,676</b>	5,622.9
27' 0	8' 1	80.89%	342,324	8,151	1,295,837	1,295.84	<b>1,275.34</b>	363.40	16.77	21.66	<b>27,623.9</b>	<b>463,459</b>	5,622.9
27' 1	8' 0	81.19%	343,633	8,182	1,300,791	1,300.79	<b>1,280.22</b>	363.42	16.77	21.70	<b>27,780.8</b>	<b>465,258</b>	5,622.9
27' 2	7' 11	81.50%	344,942	8,213	1,305,746	1,305.75	<b>1,285.09</b>	363.43	16.77	21.74	<b>27,937.9</b>	<b>467,040</b>	5,622.9
27' 3	7' 10	81.81%	346,250	8,244	1,310,700	1,310.70	<b>1,289.97</b>	363.44	16.77	21.79	<b>28,108.4</b>	<b>468,827</b>	5,622.9
27' 4	7' 9	82.12%	347,559	8,275	1,315,654	1,315.65	<b>1,294.85</b>	363.45	16.77	21.83	<b>28,266.6</b>	<b>470,613</b>	5,622.9
27' 5	7' 8	82.43%	348,868	8,306	1,320,608	1,320.61	<b>1,299.72</b>	363.46	16.77	21.87	<b>28,424.9</b>	<b>472,396</b>	5,622.9
27' 6	7' 7	82.74%	350,177	8,338	1,325,562	1,325.56	<b>1,304.60</b>	363.48	16.77	21.91	<b>28,583.8</b>	<b>474,196</b>	5,622.9

Tank		Oil #6 PORT											
Specific Gravity		1											
Trim		0											
Capacity		10,077 BBL											
Label(s)		Oil#6.p											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
27' 7	7' 6	83.05%	351,486	8,369	1,330,517	1,330.52	<b>1,309.47</b>	363.49	16.77	21.96	<b>28,756.0</b>	<b>475,979</b>	5,622.9
27' 8	7' 5	83.36%	352,794	8,400	1,335,471	1,335.47	<b>1,314.35</b>	363.50	16.77	22.00	<b>28,915.7</b>	<b>477,766</b>	5,622.9
27' 9	7' 4	83.67%	354,103	8,431	1,340,425	1,340.43	<b>1,319.23</b>	363.51	16.78	22.04	<b>29,075.8</b>	<b>479,553</b>	5,622.9
27' 10	7' 3	83.98%	355,412	8,462	1,345,379	1,345.38	<b>1,324.10</b>	363.52	16.78	22.09	<b>29,249.4</b>	<b>481,337</b>	5,622.9
27' 11	7' 2	84.29%	356,720	8,493	1,350,334	1,350.33	<b>1,328.98</b>	363.53	16.78	22.13	<b>29,410.3</b>	<b>483,124</b>	5,622.9
28' 0	7' 1	84.60%	358,029	8,525	1,355,288	1,355.29	<b>1,333.85</b>	363.54	16.78	22.17	<b>29,571.5</b>	<b>484,908</b>	5,622.9
28' 1	7' 0	84.91%	359,338	8,556	1,360,243	1,360.24	<b>1,338.73</b>	363.56	16.78	22.22	<b>29,746.6</b>	<b>486,709</b>	5,622.9
28' 2	6' 11	85.21%	360,647	8,587	1,365,197	1,365.20	<b>1,343.61</b>	363.57	16.78	22.26	<b>29,908.8</b>	<b>488,496</b>	5,622.9
28' 3	6' 10	85.52%	361,956	8,618	1,370,151	1,370.15	<b>1,348.48</b>	363.58	16.78	22.30	<b>30,071.1</b>	<b>490,280</b>	5,622.9
28' 4	6' 9	85.83%	363,265	8,649	1,375,106	1,375.11	<b>1,353.36</b>	363.59	16.78	22.34	<b>30,234.1</b>	<b>492,068</b>	5,622.9
28' 5	6' 8	86.14%	364,573	8,680	1,380,060	1,380.06	<b>1,358.23</b>	363.60	16.78	22.39	<b>30,410.8</b>	<b>493,852</b>	5,622.9
28' 6	6' 7	86.45%	365,882	8,711	1,385,014	1,385.01	<b>1,363.11</b>	363.61	16.78	22.43	<b>30,574.6</b>	<b>495,640</b>	5,622.9
28' 7	6' 6	86.76%	367,191	8,743	1,389,968	1,389.97	<b>1,367.98</b>	363.62	16.78	22.47	<b>30,738.5</b>	<b>497,425</b>	5,622.9
28' 8	6' 5	87.07%	368,500	8,774	1,394,923	1,394.92	<b>1,372.86</b>	363.63	16.79	22.52	<b>30,916.8</b>	<b>499,213</b>	5,622.9
28' 9	6' 4	87.38%	369,809	8,805	1,399,877	1,399.88	<b>1,377.74</b>	363.64	16.79	22.56	<b>31,081.8</b>	<b>501,001</b>	5,622.9
28' 10	6' 3	87.69%	371,117	8,836	1,404,831	1,404.83	<b>1,382.61</b>	363.65	16.79	22.60	<b>31,247.0</b>	<b>502,786</b>	5,622.9
28' 11	6' 2	88.00%	372,426	8,867	1,409,785	1,409.79	<b>1,387.49</b>	363.66	16.79	22.64	<b>31,412.8</b>	<b>504,575</b>	5,622.9
29' 0	6' 1	88.31%	373,735	8,898	1,414,739	1,414.74	<b>1,392.36</b>	363.67	16.79	22.69	<b>31,592.6</b>	<b>506,360</b>	5,622.9
29' 1	6' 0	88.62%	375,044	8,930	1,419,694	1,419.69	<b>1,397.24</b>	363.68	16.79	22.73	<b>31,759.3</b>	<b>508,148</b>	5,622.9
29' 2	5' 11	88.93%	376,352	8,961	1,424,649	1,424.65	<b>1,402.12</b>	363.69	16.79	22.77	<b>31,926.3</b>	<b>509,937</b>	5,622.9
29' 3	5' 10	89.23%	377,661	8,992	1,429,603	1,429.60	<b>1,406.99</b>	363.71	16.79	22.82	<b>32,107.5</b>	<b>511,736</b>	5,622.9
29' 4	5' 9	89.54%	378,970	9,023	1,434,557	1,434.56	<b>1,411.87</b>	363.72	16.79	22.86	<b>32,275.3</b>	<b>513,525</b>	5,622.9
29' 5	5' 8	89.85%	380,279	9,054	1,439,511	1,439.51	<b>1,416.74</b>	363.73	16.79	22.90	<b>32,443.3</b>	<b>515,311</b>	5,622.9
29' 6	5' 7	90.16%	381,588	9,085	1,444,466	1,444.47	<b>1,421.62</b>	363.74	16.79	22.94	<b>32,612.0</b>	<b>517,100</b>	5,622.9
29' 7	5' 6	90.47%	382,896	9,117	1,449,420	1,449.42	<b>1,426.50</b>	363.75	16.79	22.99	<b>32,795.2</b>	<b>518,889</b>	5,622.9
29' 8	5' 5	90.78%	384,205	9,148	1,454,375	1,454.37	<b>1,431.37</b>	363.76	16.80	23.03	<b>32,964.5</b>	<b>520,675</b>	5,622.9
29' 9	5' 4	91.09%	385,514	9,179	1,459,328	1,459.33	<b>1,436.25</b>	363.76	16.80	23.07	<b>33,134.3</b>	<b>522,450</b>	5,622.9
29' 10	5' 3	91.40%	386,823	9,210	1,464,283	1,464.28	<b>1,441.13</b>	363.77	16.80	23.12	<b>33,318.9</b>	<b>524,240</b>	5,622.9
29' 11	5' 2	91.71%	388,132	9,241	1,469,238	1,469.24	<b>1,446.0</b>	363.78	16.80	23.16	<b>33,489.4</b>	<b>526,026</b>	5,622.9
30' 0	5' 1	92.02%	389,440	9,272	1,474,192	1,474.19	<b>1,450.88</b>	363.79	16.80	23.20	<b>33,660.4</b>	<b>527,816</b>	5,622.9
30' 1	5' 0	92.33%	390,749	9,304	1,479,145	1,479.15	<b>1,455.75</b>	363.80	16.80	23.24	<b>33,831.6</b>	<b>529,602</b>	5,622.9
30' 2	4' 11	92.64%	392,058	9,335	1,484,099	1,484.10	<b>1,460.63</b>	363.81	16.80	23.29	<b>34,018.1</b>	<b>531,392</b>	5,622.9
30' 3	4' 10	92.95%	393,367	9,366	1,489,054	1,489.05	<b>1,465.50</b>	363.82	16.80	23.33	<b>34,190.1</b>	<b>533,178</b>	5,622.9

Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
30' 4	4' 9	93.25%	394,675	9,397	1,494,009	1,494.01	<b>1,470.38</b>	363.83	16.80	23.37	<b>34,362.8</b>	<b>534,968</b>	5,622.9
30' 5	4' 8	93.56%	395,984	9,428	1,498,963	1,498.96	<b>1,475.26</b>	363.84	16.80	23.42	<b>34,550.6</b>	<b>536,759</b>	5,622.9
30' 6	4' 7	93.87%	397,293	9,459	1,503,917	1,503.92	<b>1,480.13</b>	363.85	16.80	23.46	<b>34,723.8</b>	<b>538,545</b>	5,622.9
30' 7	4' 6	94.18%	398,602	9,491	1,508,872	1,508.87	<b>1,485.01</b>	363.86	16.80	23.50	<b>34,897.7</b>	<b>540,336</b>	5,622.9
30' 8	4' 5	94.49%	399,911	9,522	1,513,826	1,513.83	<b>1,489.88</b>	363.87	16.80	23.54	<b>35,071.8</b>	<b>542,123</b>	5,622.9
30' 9	4' 4	94.80%	401,219	9,553	1,518,780	1,518.78	<b>1,494.76</b>	363.88	16.81	23.59	<b>35,261.4</b>	<b>543,913</b>	5,622.9
30' 10	4' 3	95.11%	402,528	9,584	1,523,735	1,523.73	<b>1,499.64</b>	363.89	16.81	23.63	<b>35,436.5</b>	<b>545,704</b>	5,622.9
30' 11	4' 2	95.42%	403,837	9,615	1,528,689	1,528.69	<b>1,504.51</b>	363.90	16.81	23.67	<b>35,611.8</b>	<b>547,491</b>	5,622.9
31' 0	4' 1	95.73%	405,146	9,646	1,533,643	1,533.64	<b>1,509.39</b>	363.90	16.81	23.71	<b>35,787.6</b>	<b>549,267</b>	5,622.9
31' 1	4' 0	96.04%	406,455	9,677	1,538,598	1,538.60	<b>1,514.26</b>	363.91	16.81	23.76	<b>35,978.8</b>	<b>551,054</b>	5,622.9
31' 2	3' 11	96.35%	407,763	9,709	1,543,552	1,543.55	<b>1,519.14</b>	363.92	16.81	23.80	<b>36,155.5</b>	<b>552,845</b>	5,622.9
31' 3	3' 10	96.66%	409,072	9,740	1,548,506	1,548.51	<b>1,524.02</b>	363.93	16.81	23.84	<b>36,332.6</b>	<b>554,637</b>	5,622.9
31' 4	3' 9	96.97%	410,381	9,771	1,553,460	1,553.46	<b>1,528.89</b>	363.94	16.81	23.88	<b>36,509.9</b>	<b>556,424</b>	5,622.9
31' 5	3' 8	97.28%	411,690	9,802	1,558,415	1,558.41	<b>1,533.77</b>	363.95	16.81	23.93	<b>36,703.1</b>	<b>558,216</b>	5,622.9
31' 6	3' 7	97.58%	412,999	9,833	1,563,369	1,563.37	<b>1,538.64</b>	363.96	16.81	23.97	<b>36,881.2</b>	<b>560,003</b>	5,622.9
31' 7	3' 6	97.89%	414,307	9,864	1,568,323	1,568.32	<b>1,543.52</b>	363.96	16.81	24.01	<b>37,059.9</b>	<b>561,780</b>	5,622.9
31' 8	3' 5	98.20%	415,616	9,896	1,573,277	1,573.28	<b>1,548.40</b>	363.97	16.81	24.06	<b>37,254.5</b>	<b>563,571</b>	5,622.9
31' 9	3' 4	98.50%	416,882	9,926	1,578,071	1,578.07	<b>1,553.11</b>	363.98	16.81	24.10	<b>37,430.0</b>	<b>565,301</b>	4,466.4
31' 10	3' 3	98.78%	418,038	9,953	1,582,446	1,582.45	<b>1,557.42</b>	363.99	16.81	24.13	<b>37,580.5</b>	<b>566,885</b>	3,326.1
31' 11	3' 2	99.02%	419,079	9,978	1,586,387	1,586.39	<b>1,561.30</b>	363.99	16.80	24.17	<b>37,736.6</b>	<b>568,298</b>	2,398.5
32' 0	3' 1	99.24%	420,009	10,000	1,589,908	1,589.91	<b>1,564.76</b>	364.00	16.79	24.20	<b>37,867.2</b>	<b>569,573</b>	1,678.5
32' 1	3' 0	99.43%	420,826	10,020	1,593,000	1,593.0	<b>1,567.81</b>	364.01	16.78	24.23	<b>37,988.0</b>	<b>570,699</b>	1,098.9
32' 2	2' 11	99.60%	421,530	10,036	1,595,663	1,595.66	<b>1,570.43</b>	364.01	16.76	24.25	<b>38,082.9</b>	<b>571,652</b>	683.1
32' 3	2' 10	99.74%	422,123	10,051	1,597,907	1,597.91	<b>1,572.64</b>	364.01	16.75	24.27	<b>38,168.0</b>	<b>572,457</b>	387.2
32' 4	2' 9	99.85%	422,601	10,062	1,599,718	1,599.72	<b>1,574.42</b>	364.02	16.74	24.28	<b>38,226.9</b>	<b>573,120</b>	187.9
32' 5	2' 8	99.94%	422,967	10,071	1,601,105	1,601.11	<b>1,575.78</b>	364.02	16.73	24.30	<b>38,291.5</b>	<b>573,615</b>	75.7
32' 6	2' 7	100.00%	423,222	10,077	1,602,070	1,602.07	<b>1,576.73</b>	364.02	16.72	24.30	<b>38,314.5</b>	<b>573,961</b>	20.1

Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
0' 1	35' 0	0	153	4	580	1	1	336	10	6	3	192	199
0' 2	34' 11	0	231	6	875	1	1	337	11	6	5	290	279
0' 3	34' 10	0	329	8	1245	1	1	337	12	6	7	415	367
0' 4	34' 9	0	447	11	1693	2	2	337	12	6	10	563	453
0' 5	34' 8	0	586	14	2217	2	2	338	13	6	13	736	537
0' 6	34' 7	0	745	18	2819	3	3	338	13	6	17	936	621
0' 7	34' 6	0	924	22	3497	3	3	338	13	6	21	1164	702
0' 8	34' 5	0	1124	27	4253	4	4	339	13	6	26	1419	784
0' 9	34' 4	0	1343	32	5085	5	5	339	14	6	32	1696	865
0' 10	34' 3	0	1583	38	5994	6	6	339	14	6	38	2003	943
0' 11	34' 2	0	1843	44	6978	7	7	340	14	6	44	2334	1021
1' 0	34' 1	0	2123	51	8037	8	8	340	14	7	51	2690	1093
1' 1	34' 0	0	2421	58	9163	9	9	340	14	7	59	3071	1150
1' 2	33' 11	0	2734	65	10349	10	10	341	14	7	67	3472	1203
1' 3	33' 10	0	3060	73	11584	12	11	341	15	7	76	3888	1252
1' 4	33' 9	0	3397	81	12860	13	13	341	15	7	85	4320	1299
1' 5	33' 8	0	3743	89	14169	14	14	342	15	7	95	4764	1338
1' 6	33' 7	0	4097	98	15508	16	15	342	15	7	104	5215	1373
1' 7	33' 6	0	4458	106	16877	17	17	342	15	7	114	5679	1410
1' 8	33' 5	0	4828	115	18275	18	18	342	15	7	125	6154	1447
1' 9	33' 4	0	5205	124	19703	20	19	342	15	7	136	6637	1484
1' 10	33' 3	0	5590	133	21160	21	21	342	15	7	147	7130	1518
1' 11	33' 2	0	5982	142	22646	23	22	343	15	7	158	7637	1554
2' 0	33' 1	0	6383	152	24162	24	24	343	15	7	170	8151	1591
2' 1	33' 0	0	6791	162	25707	26	25	343	15	7	182	8676	1626
2' 2	32' 11	0	7207	172	27281	27	27	343	15	7	194	9211	1662
2' 3	32' 10	0	7630	182	28884	29	28	343	15	7	207	9757	1697
2' 4	32' 9	0	8062	192	30517	31	30	343	15	7	220	10310	1730
2' 5	32' 8	0	8501	202	32178	32	32	343	15	7	234	10878	1766
2' 6	32' 7	0	8947	213	33869	34	33	344	15	7	248	11452	1801
2' 7	32' 6	0	9401	224	35588	36	35	344	16	7	262	12037	1836
2' 8	32' 5	0	9863	235	37335	37	37	344	16	8	277	12633	1868
2' 9	32' 4	0	10332	246	39111	39	38	344	16	8	292	13240	1901

Tank		Oil #6 STBD											
Specific Gravity		1											
Trim		0											
Capacity		10,066 BBL											
Label(s)		Oil#6.s											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
2' 10	32' 3	0	10809	257	40915	41	40	344	16	8	308	13857	1934
2' 11	32' 2	0	11293	269	42748	43	42	344	16	8	324	14482	1963
3' 0	32' 1	0	11785	281	44612	45	44	344	16	8	340	15121	1996
3' 1	32' 0	2.91%	12,285	292	46,502	46.50	45.77	344.48	15.69	7.79	356.5	15,767	2,032.9
3' 2	31' 11	3.03%	12,791	305	48,419	48.42	47.65	344.60	15.71	7.84	373.6	16,420	2,059.7
3' 3	31' 10	3.15%	13,306	317	50,368	50.37	49.57	344.72	15.73	7.89	391.1	17,088	2,097.3
3' 4	31' 9	3.27%	13,826	329	52,338	52.34	51.51	344.84	15.75	7.94	409.0	17,763	2,122.3
3' 5	31' 8	3.40%	14,354	342	54,337	54.34	53.48	344.96	15.77	7.99	427.3	18,448	2,152.2
3' 6	31' 7	3.52%	14,891	355	56,368	56.37	55.48	345.08	15.79	8.04	446.1	19,145	2,188.8
3' 7	31' 6	3.65%	15,433	367	58,420	58.42	57.50	345.20	15.81	8.09	465.2	19,849	2,212.7
3' 8	31' 5	3.78%	15,983	381	60,502	60.50	59.55	345.31	15.83	8.14	484.7	20,563	2,244.7
3' 9	31' 4	3.91%	16,541	394	62,615	62.62	61.62	345.43	15.84	8.19	504.7	21,285	2,278.4
3' 10	31' 3	4.05%	17,105	407	64,749	64.75	63.73	345.55	15.86	8.24	525.1	22,022	2,303.2
3' 11	31' 2	4.18%	17,677	421	66,915	66.92	65.86	345.66	15.87	8.29	546.0	22,765	2,336.3
4' 0	31' 1	4.32%	18,257	435	69,109	69.11	68.02	345.78	15.89	8.34	567.3	23,520	2,367.6
4' 1	31' 0	4.46%	18,842	449	71,326	71.33	70.20	345.89	15.90	8.39	589.0	24,281	2,392.7
4' 2	30' 11	4.60%	19,437	463	73,575	73.58	72.41	346.01	15.91	8.44	611.1	25,055	2,431.4
4' 3	30' 10	4.74%	20,037	477	75,850	75.85	74.65	346.12	15.93	8.49	633.8	25,838	2,455.9
4' 4	30' 9	4.88%	20,645	492	78,149	78.15	76.91	346.23	15.94	8.54	656.8	26,629	2,483.1
4' 5	30' 8	5.03%	21,261	506	80,483	80.48	79.21	346.35	15.95	8.59	680.4	27,434	2,520.9
4' 6	30' 7	5.18%	21,883	521	82,837	82.84	81.53	346.46	15.96	8.65	705.2	28,247	2,544.6
4' 7	30' 6	5.32%	22,513	536	85,220	85.22	83.87	346.58	15.97	8.70	729.7	29,068	2,573.3
4' 8	30' 5	5.48%	23,151	551	87,636	87.64	86.25	346.69	15.98	8.75	754.7	29,902	2,610.8
4' 9	30' 4	5.63%	23,794	567	90,072	90.07	88.65	346.80	15.99	8.80	780.1	30,744	2,634.0
4' 10	30' 3	5.78%	24,446	582	92,539	92.54	91.08	346.91	16.00	8.85	806.1	31,597	2,666.1
4' 11	30' 2	5.94%	25,106	598	95,036	95.04	93.53	347.03	16.01	8.90	832.4	32,458	2,699.7
5' 0	30' 1	6.10%	25,771	614	97,554	97.55	96.01	347.14	16.02	8.95	859.3	33,329	2,724.5
5' 1	30' 0	6.25%	26,445	630	100,105	100.10	98.52	347.25	16.03	9.00	886.7	34,211	2,758.1
5' 2	29' 11	6.42%	27,126	646	102,683	102.68	101.06	347.37	16.04	9.05	914.6	35,105	2,789.1
5' 3	29' 10	6.58%	27,813	662	105,284	105.28	103.62	347.48	16.05	9.11	944.0	36,006	2,814.5
5' 4	29' 9	6.74%	28,509	679	107,918	107.92	106.21	347.59	16.05	9.16	972.9	36,918	2,853.6
5' 5	29' 8	6.91%	29,211	696	110,577	110.58	108.83	347.70	16.06	9.21	1,002.3	37,840	2,878.0
5' 6	29' 7	7.08%	29,920	712	113,261	113.26	111.47	347.82	16.07	9.26	1,032.2	38,771	2,905.4



Tank		Oil #6 STBD											
Specific Gravity		1											
Trim		0											
Capacity		10,066 BBL											
Label(s)		Oil#6.s											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
5' 7	29' 6	7.25%	30,638	729	115,979	115.98	114.14	347.93	16.08	9.31	1,062.6	39,713	2,943.4
5' 8	29' 5	7.42%	31,362	747	118,718	118.72	116.84	348.04	16.08	9.36	1,093.6	40,665	2,967.3
5' 9	29' 4	7.59%	32,093	764	121,486	121.49	119.56	348.15	16.09	9.42	1,126.3	41,625	2,996.8
5' 10	29' 3	7.77%	32,833	782	124,286	124.29	122.32	348.26	16.10	9.47	1,158.4	42,599	3,033.0
5' 11	29' 2	7.94%	33,578	799	127,107	127.11	125.10	348.38	16.10	9.52	1,191.0	43,582	3,056.9
6' 0	29' 1	8.12%	34,331	817	129,958	129.96	127.90	348.49	16.11	9.57	1,224.0	44,572	3,087.6
6' 1	29' 0	8.30%	35,092	836	132,839	132.84	130.74	348.60	16.12	9.62	1,257.7	45,576	3,121.0
6' 2	28' 11	8.48%	35,859	854	135,742	135.74	133.59	348.71	16.12	9.68	1,293.2	46,584	3,145.3
6' 3	28' 10	8.66%	36,635	872	138,677	138.68	136.48	348.82	16.13	9.73	1,328.0	47,607	3,179.5
6' 4	28' 9	8.85%	37,417	891	141,638	141.64	139.40	348.94	16.13	9.78	1,363.3	48,642	3,209.1
6' 5	28' 8	9.04%	38,206	910	144,624	144.62	142.34	349.05	16.14	9.83	1,399.2	49,684	3,234.3
6' 6	28' 7	9.23%	39,003	929	147,642	147.64	145.31	349.16	16.14	9.88	1,435.7	50,736	3,273.2
6' 7	28' 6	9.42%	39,807	948	150,684	150.68	148.30	349.27	16.15	9.94	1,474.1	51,797	3,299.4
6' 8	28' 5	9.61%	40,617	967	153,753	153.75	151.32	349.38	16.15	9.99	1,511.7	52,868	3,325.9
6' 9	28' 4	9.80%	41,437	987	156,854	156.85	154.37	349.50	16.16	10.04	1,549.9	53,952	3,363.7
6' 10	28' 3	10.00%	42,262	1,006	159,977	159.98	157.45	349.61	16.16	10.09	1,588.7	55,046	3,387.6
6' 11	28' 2	10.19%	43,094	1,026	163,130	163.13	160.55	349.72	16.17	10.15	1,629.6	56,148	3,418.1
7' 0	28' 1	10.39%	43,936	1,046	166,314	166.31	163.68	349.83	16.17	10.20	1,669.5	57,260	3,454.2
7' 1	28' 0	10.59%	44,782	1,066	169,519	169.52	166.84	349.95	16.18	10.25	1,710.1	58,386	3,477.5
7' 2	27' 11	10.79%	45,637	1,087	172,754	172.75	170.02	350.06	16.18	10.30	1,751.2	59,517	3,509.2
7' 3	27' 10	11.00%	46,500	1,107	176,020	176.02	173.24	350.17	16.19	10.36	1,794.8	60,663	3,543.8
7' 4	27' 9	11.20%	47,368	1,128	179,307	179.31	176.47	350.28	16.19	10.41	1,837.1	61,814	3,567.7
7' 5	27' 8	11.41%	48,245	1,149	182,627	182.63	179.74	350.39	16.19	10.46	1,880.1	62,979	3,601.8
7' 6	27' 7	11.62%	49,129	1,170	185,973	185.97	183.03	350.51	16.20	10.51	1,923.6	64,154	3,632.1
7' 7	27' 6	11.83%	50,019	1,191	189,344	189.34	186.35	350.62	16.20	10.57	1,969.7	65,338	3,658.2
7' 8	27' 5	12.04%	50,918	1,212	192,747	192.75	189.70	350.73	16.21	10.62	2,014.6	66,533	3,696.7
7' 9	27' 4	12.26%	51,824	1,234	196,174	196.17	193.07	350.84	16.21	10.67	2,060.1	67,737	3,720.8
7' 10	27' 3	12.47%	52,736	1,256	199,628	199.63	196.47	350.96	16.21	10.72	2,106.2	68,953	3,749.2
7' 11	27' 2	12.69%	53,657	1,278	203,115	203.11	199.90	351.07	16.22	10.78	2,154.9	70,179	3,786.4
8' 0	27' 1	12.91%	54,584	1,300	206,622	206.62	203.35	351.18	16.22	10.83	2,202.3	71,412	3,809.6
8' 1	27' 0	13.13%	55,518	1,322	210,159	210.16	206.84	351.29	16.22	10.88	2,250.4	72,661	3,838.9
8' 2	26' 11	13.35%	56,461	1,344	213,728	213.73	210.35	351.41	16.23	10.93	2,299.1	73,919	3,875.6
8' 3	26' 10	13.58%	57,409	1,367	217,317	217.32	213.88	351.52	16.23	10.99	2,350.5	75,183	3,898.4

Tank		Oil #6 STBD											
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Trim		0											
Capacity		10,066 BBL											
Label(s)		Oil#6.s											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
8' 4	26' 9	13.80%	58,365	1,390	220,937	220.94	217.44	351.63	16.23	11.04	2,400.5	76,458	3,929.8
8' 5	26' 8	14.03%	59,329	1,413	224,586	224.59	221.03	351.74	16.24	11.09	2,451.2	77,745	3,963.2
8' 6	26' 7	14.26%	60,299	1,436	228,258	228.26	224.65	351.86	16.24	11.15	2,504.8	79,045	3,989.5
8' 7	26' 6	14.49%	61,278	1,459	231,962	231.96	228.29	351.97	16.24	11.20	2,556.8	80,351	4,023.6
8' 8	26' 5	14.73%	62,263	1,482	235,693	235.69	231.97	352.08	16.25	11.25	2,609.7	81,672	4,052.7
8' 9	26' 4	14.96%	63,255	1,506	239,447	239.45	235.66	352.19	16.25	11.31	2,665.3	82,997	4,078.6
8' 10	26' 3	15.20%	64,256	1,530	243,235	243.23	239.39	352.31	16.25	11.36	2,719.5	84,339	4,118.9
8' 11	26' 2	15.44%	65,263	1,554	247,046	247.05	243.14	352.42	16.26	11.41	2,774.2	85,687	4,142.5
9' 0	26' 1	15.68%	66,277	1,578	250,884	250.88	246.92	352.53	16.26	11.47	2,832.2	87,047	4,169.8
9' 1	26' 0	15.92%	67,299	1,602	254,755	254.76	250.73	352.64	16.26	11.52	2,888.4	88,417	4,207.8
9' 2	25' 11	16.16%	68,327	1,627	258,648	258.65	254.56	352.76	16.26	11.57	2,945.3	89,799	4,232.4
9' 3	25' 10	16.41%	69,363	1,652	262,569	262.57	258.42	352.87	16.27	11.62	3,002.8	91,189	4,261.5
9' 4	25' 9	16.65%	70,408	1,676	266,523	266.52	262.31	352.98	16.27	11.68	3,063.8	92,590	4,297.5
9' 5	25' 8	16.90%	71,458	1,701	270,496	270.50	266.22	353.10	16.27	11.73	3,122.8	94,002	4,321.2
9' 6	25' 7	17.15%	72,516	1,727	274,502	274.50	270.16	353.21	16.28	11.78	3,182.5	95,423	4,353.4
9' 7	25' 6	17.40%	73,581	1,752	278,536	278.54	274.13	353.32	16.28	11.84	3,245.7	96,856	4,386.4
9' 8	25' 5	17.66%	74,653	1,777	282,592	282.59	278.12	353.43	16.28	11.89	3,306.8	98,296	4,410.7
9' 9	25' 4	17.91%	75,733	1,803	286,681	286.68	282.15	353.55	16.28	11.94	3,368.9	99,754	4,446.4
9' 10	25' 3	18.17%	76,820	1,829	290,796	290.80	286.20	353.66	16.29	12.00	3,434.4	101,217	4,474.9
9' 11	25' 2	18.43%	77,913	1,855	294,935	294.93	290.27	353.77	16.29	12.05	3,497.8	102,689	4,500.5
10' 0	25' 1	18.69%	79,016	1,881	299,107	299.11	294.38	353.89	16.29	12.10	3,562.0	104,178	4,539.1
10' 1	25' 0	18.95%	80,124	1,908	303,302	303.30	298.51	354.00	16.29	12.16	3,629.9	105,673	4,563.6
10' 2	24' 11	19.21%	81,239	1,934	307,524	307.52	302.66	354.11	16.29	12.21	3,695.5	107,175	4,590.6
10' 3	24' 10	19.48%	82,363	1,961	311,779	311.78	306.85	354.22	16.30	12.27	3,765.0	108,692	4,628.0
10' 4	24' 9	19.75%	83,493	1,988	316,055	316.06	311.06	354.34	16.30	12.32	3,832.3	110,221	4,651.6
10' 5	24' 8	20.02%	84,630	2,015	320,361	320.36	315.29	354.45	16.30	12.37	3,900.1	111,755	4,683.1
10' 6	24' 7	20.29%	85,776	2,042	324,699	324.70	319.56	354.56	16.30	12.43	3,972.1	113,303	4,718.6
10' 7	24' 6	20.56%	86,927	2,070	329,056	329.06	323.85	354.68	16.31	12.48	4,041.6	114,863	4,742.0
10' 8	24' 5	20.83%	88,087	2,097	333,445	333.45	328.17	354.79	16.31	12.53	4,112.0	116,431	4,773.7
10' 9	24' 4	21.11%	89,254	2,125	337,864	337.86	332.52	354.90	16.31	12.59	4,186.4	118,011	4,808.4
10' 10	24' 3	21.39%	90,427	2,153	342,305	342.30	336.89	355.02	16.31	12.64	4,258.3	119,603	4,832.4
10' 11	24' 2	21.67%	91,609	2,181	346,778	346.78	341.29	355.13	16.31	12.69	4,331.0	121,202	4,867.4
11' 0	24' 1	21.95%	92,798	2,209	351,277	351.28	345.72	355.24	16.32	12.75	4,407.9	122,814	4,896.2

Tank		Oil #6 STBD											
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Capacity		10,066 BBL											
Label(s)		Oil#6.s											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
11' 1	24' 0	22.23%	93,993	2,238	355,801	355.80	<b>350.17</b>	355.36	16.32	12.80	<b>4,482.2</b>	<b>124,436</b>	4,923.2
11' 2	23' 11	22.52%	95,196	2,267	360,357	360.36	<b>354.66</b>	355.47	16.32	12.85	<b>4,557.4</b>	<b>126,071</b>	4,961.6
11' 3	23' 10	22.80%	96,406	2,295	364,937	364.94	<b>359.17</b>	355.58	16.32	12.91	<b>4,636.9</b>	<b>127,714</b>	4,985.5
11' 4	23' 9	23.09%	97,623	2,324	369,544	369.54	<b>363.70</b>	355.70	16.32	12.96	<b>4,713.6</b>	<b>129,368</b>	5,013.2
11' 5	23' 8	23.38%	98,849	2,354	374,184	374.18	<b>368.27</b>	355.81	16.33	13.02	<b>4,794.9</b>	<b>131,034</b>	5,051.6
11' 6	23' 7	23.67%	100,080	2,383	378,845	378.85	<b>372.85</b>	355.92	16.33	13.07	<b>4,873.1</b>	<b>132,705</b>	5,074.8
11' 7	23' 6	23.96%	101,319	2,412	383,536	383.54	<b>377.47</b>	356.04	16.33	13.12	<b>4,952.4</b>	<b>134,394</b>	5,104.3
11' 8	23' 5	24.26%	102,567	2,442	388,257	388.26	<b>382.12</b>	356.15	16.33	13.18	<b>5,036.3</b>	<b>136,092</b>	5,139.5
11' 9	23' 4	24.56%	103,819	2,472	392,997	393.0	<b>386.78</b>	356.26	16.33	13.23	<b>5,117.1</b>	<b>137,794</b>	5,156.2
11' 10	23' 3	24.85%	105,077	2,502	397,759	397.76	<b>391.47</b>	356.38	16.33	13.29	<b>5,202.6</b>	<b>139,512</b>	5,174.4
11' 11	23' 2	25.15%	106,339	2,532	402,537	402.54	<b>396.17</b>	356.49	16.34	13.34	<b>5,284.9</b>	<b>141,231</b>	5,185.6
12' 0	23' 1	25.45%	107,604	2,562	407,325	407.33	<b>400.88</b>	356.60	16.34	13.39	<b>5,367.8</b>	<b>142,954</b>	5,200.2
12' 1	23' 0	25.75%	108,872	2,592	412,123	412.12	<b>405.61</b>	356.70	16.34	13.45	<b>5,455.5</b>	<b>144,681</b>	5,215.3
12' 2	22' 11	26.05%	110,141	2,622	416,928	416.93	<b>410.33</b>	356.81	16.34	13.50	<b>5,539.5</b>	<b>146,410</b>	5,225.2
12' 3	22' 10	26.35%	111,411	2,653	421,735	421.74	<b>415.07</b>	356.91	16.35	13.55	<b>5,624.2</b>	<b>148,143</b>	5,235.2
12' 4	22' 9	26.65%	112,682	2,683	426,548	426.55	<b>419.80</b>	357.02	16.35	13.60	<b>5,709.3</b>	<b>149,877</b>	5,247.1
12' 5	22' 8	26.95%	113,954	2,713	431,364	431.36	<b>424.54</b>	357.12	16.35	13.66	<b>5,799.2</b>	<b>151,612</b>	5,256.4
12' 6	22' 7	27.25%	115,228	2,744	436,185	436.18	<b>429.29</b>	357.21	16.36	13.71	<b>5,885.6</b>	<b>153,347</b>	5,265.8
12' 7	22' 6	27.56%	116,502	2,774	441,008	441.01	<b>434.03</b>	357.31	16.36	13.76	<b>5,972.3</b>	<b>155,083</b>	5,275.4
12' 8	22' 5	27.86%	117,778	2,804	445,837	445.84	<b>438.79</b>	357.40	16.36	13.81	<b>6,059.7</b>	<b>156,824</b>	5,286.3
12' 9	22' 4	28.16%	119,054	2,835	450,669	450.67	<b>443.54</b>	357.50	16.37	13.86	<b>6,147.5</b>	<b>158,566</b>	5,295.2
12' 10	22' 3	28.46%	120,332	2,865	455,504	455.50	<b>448.30</b>	357.59	16.37	13.92	<b>6,240.3</b>	<b>160,308</b>	5,304.2
12' 11	22' 2	28.76%	121,610	2,895	460,344	460.34	<b>453.06</b>	357.68	16.37	13.97	<b>6,329.2</b>	<b>162,051</b>	5,313.3
13' 0	22' 1	29.07%	122,889	2,926	465,187	465.19	<b>457.83</b>	357.76	16.38	14.02	<b>6,418.8</b>	<b>163,793</b>	5,323.4
13' 1	22' 0	29.37%	124,170	2,956	470,033	470.03	<b>462.60</b>	357.85	16.38	14.07	<b>6,508.8</b>	<b>165,541</b>	5,331.8
13' 2	21' 11	29.67%	125,451	2,987	474,883	474.88	<b>467.37</b>	357.93	16.38	14.12	<b>6,599.3</b>	<b>167,286</b>	5,340.3
13' 3	21' 10	29.98%	126,733	3,017	479,736	479.74	<b>472.15</b>	358.02	16.39	14.17	<b>6,690.4</b>	<b>169,039</b>	5,349.0
13' 4	21' 9	30.28%	128,016	3,048	484,593	484.59	<b>476.93</b>	358.10	16.39	14.22	<b>6,781.9</b>	<b>170,789</b>	5,358.1
13' 5	21' 8	30.58%	129,300	3,079	489,453	489.45	<b>481.71</b>	358.18	16.39	14.27	<b>6,874.0</b>	<b>172,539</b>	5,366.0
13' 6	21' 7	30.89%	130,584	3,109	494,315	494.32	<b>486.50</b>	358.26	16.40	14.32	<b>6,966.7</b>	<b>174,293</b>	5,374.1
13' 7	21' 6	31.19%	131,870	3,140	499,181	499.18	<b>491.29</b>	358.33	16.40	14.37	<b>7,059.8</b>	<b>176,044</b>	5,382.2
13' 8	21' 5	31.49%	133,156	3,170	504,050	504.05	<b>496.08</b>	358.41	16.40	14.42	<b>7,153.5</b>	<b>177,800</b>	5,390.4
13' 9	21' 4	31.80%	134,443	3,201	508,922	508.92	<b>500.87</b>	358.48	16.41	14.47	<b>7,247.6</b>	<b>179,552</b>	5,397.8

Tank		Oil #6 STBD											
Specific Gravity		1											
Trim		0											
Capacity		10,066 BBL											
Label(s)		Oil#6.s											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
13' 10	21' 3	32.10%	135,731	3,232	513,797	513.80	<b>505.67</b>	358.56	16.41	14.52	<b>7,342.3</b>	<b>181,313</b>	5,405.4
13' 11	21' 2	32.41%	137,019	3,262	518,675	518.67	<b>510.47</b>	358.63	16.41	14.57	<b>7,437.5</b>	<b>183,070</b>	5,413.3
14' 0	21' 1	32.71%	138,309	3,293	523,555	523.56	<b>515.27</b>	358.70	16.42	14.62	<b>7,533.2</b>	<b>184,827</b>	5,420.2
14' 1	21' 0	33.02%	139,599	3,324	528,438	528.44	<b>520.08</b>	358.77	16.42	14.67	<b>7,629.6</b>	<b>186,589</b>	5,427.2
14' 2	20' 11	33.32%	140,889	3,355	533,324	533.32	<b>524.89</b>	358.84	16.43	14.72	<b>7,726.4</b>	<b>188,352</b>	5,434.2
14' 3	20' 10	33.63%	142,181	3,385	538,212	538.21	<b>529.70</b>	358.91	16.43	14.77	<b>7,823.7</b>	<b>190,115</b>	5,443.2
14' 4	20' 9	33.93%	143,473	3,416	543,104	543.10	<b>534.51</b>	358.97	16.43	14.82	<b>7,921.4</b>	<b>191,873</b>	5,449.6
14' 5	20' 8	34.24%	144,766	3,447	547,997	548.0	<b>539.33</b>	359.04	16.44	14.87	<b>8,019.8</b>	<b>193,641</b>	5,456.1
14' 6	20' 7	34.55%	146,059	3,478	552,893	552.89	<b>544.15</b>	359.10	16.44	14.92	<b>8,118.7</b>	<b>195,404</b>	5,462.7
14' 7	20' 6	34.85%	147,353	3,508	557,792	557.79	<b>548.97</b>	359.17	16.44	14.96	<b>8,212.6</b>	<b>197,174</b>	5,470.7
14' 8	20' 5	35.16%	148,648	3,539	562,693	562.69	<b>553.79</b>	359.23	16.45	15.01	<b>8,312.4</b>	<b>198,938</b>	5,476.6
14' 9	20' 4	35.46%	149,943	3,570	567,596	567.60	<b>558.62</b>	359.29	16.45	15.06	<b>8,412.8</b>	<b>200,707</b>	5,482.6
14' 10	20' 3	35.77%	151,239	3,601	572,502	572.50	<b>563.45</b>	359.35	16.46	15.11	<b>8,513.7</b>	<b>202,476</b>	5,488.7
14' 11	20' 2	36.08%	152,535	3,632	577,409	577.41	<b>568.28</b>	359.41	16.46	15.16	<b>8,615.1</b>	<b>204,246</b>	5,495.7
15' 0	20' 1	36.38%	153,833	3,663	582,319	582.32	<b>573.11</b>	359.47	16.46	15.21	<b>8,717.0</b>	<b>206,016</b>	5,501.2
15' 1	20' 0	36.69%	155,130	3,694	587,231	587.23	<b>577.94</b>	359.53	16.47	15.26	<b>8,819.4</b>	<b>207,787</b>	5,506.6
15' 2	19' 11	37.00%	156,428	3,724	592,145	592.14	<b>582.78</b>	359.59	16.47	15.30	<b>8,916.5</b>	<b>209,562</b>	5,512.2
15' 3	19' 10	37.31%	157,727	3,755	597,061	597.06	<b>587.62</b>	359.64	16.47	15.35	<b>9,020.0</b>	<b>211,332</b>	5,518.3
15' 4	19' 9	37.61%	159,026	3,786	601,979	601.98	<b>592.46</b>	359.70	16.48	15.40	<b>9,123.9</b>	<b>213,108</b>	5,523.2
15' 5	19' 8	37.92%	160,325	3,817	606,898	606.90	<b>597.30</b>	359.75	16.48	15.45	<b>9,228.3</b>	<b>214,879</b>	5,528.2
15' 6	19' 7	38.23%	161,625	3,848	611,819	611.82	<b>602.14</b>	359.81	16.49	15.49	<b>9,327.1</b>	<b>216,656</b>	5,533.2
15' 7	19' 6	38.54%	162,926	3,879	616,742	616.74	<b>606.99</b>	359.86	16.49	15.54	<b>9,432.6</b>	<b>218,431</b>	5,538.3
15' 8	19' 5	38.84%	164,227	3,910	621,666	621.67	<b>611.83</b>	359.91	16.49	15.59	<b>9,538.4</b>	<b>220,204</b>	5,542.7
15' 9	19' 4	39.15%	165,528	3,941	626,592	626.59	<b>616.68</b>	359.97	16.50	15.64	<b>9,644.9</b>	<b>221,986</b>	5,547.1
15' 10	19' 3	39.46%	166,830	3,972	631,519	631.52	<b>621.53</b>	360.02	16.50	15.69	<b>9,751.8</b>	<b>223,763</b>	5,551.9
15' 11	19' 2	39.77%	168,132	4,003	636,448	636.45	<b>626.38</b>	360.07	16.50	15.73	<b>9,853.0</b>	<b>225,541</b>	5,555.6
16' 0	19' 1	40.08%	169,434	4,034	641,378	641.38	<b>631.23</b>	360.12	16.51	15.78	<b>9,960.8</b>	<b>227,319</b>	5,559.4
16' 1	19' 0	40.38%	170,737	4,065	646,310	646.31	<b>636.09</b>	360.17	16.51	15.83	<b>10,069.3</b>	<b>229,101</b>	5,563.3
16' 2	18' 11	40.69%	172,040	4,096	651,243	651.24	<b>640.94</b>	360.21	16.51	15.87	<b>10,171.7</b>	<b>230,873</b>	5,569.0
16' 3	18' 10	41.00%	173,344	4,127	656,178	656.18	<b>645.80</b>	360.26	16.52	15.92	<b>10,281.1</b>	<b>232,656</b>	5,572.3
16' 4	18' 9	41.31%	174,648	4,158	661,113	661.11	<b>650.66</b>	360.31	16.52	15.97	<b>10,391.0</b>	<b>234,439</b>	5,575.6
16' 5	18' 8	41.62%	175,952	4,189	666,050	666.05	<b>655.52</b>	360.36	16.52	16.02	<b>10,501.4</b>	<b>236,223</b>	5,578.9
16' 6	18' 7	41.93%	177,256	4,220	670,987	670.99	<b>660.38</b>	360.40	16.53	16.06	<b>10,605.7</b>	<b>238,001</b>	5,583.5

Tank		Oil #6 STBD											
Specific Gravity		1											
Trim		0											
Capacity		10,066 BBL											
Label(s)		Oil#6.s											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
16' 7	18' 6	42.23%	178,561	4,251	675,927	675.93	665.24	360.45	16.53	16.11	10,717.0	239,786	5,586.1
16' 8	18' 5	42.54%	179,866	4,283	680,866	680.87	670.10	360.49	16.53	16.16	10,828.8	241,564	5,588.9
16' 9	18' 4	42.85%	181,171	4,314	685,808	685.81	674.96	360.53	16.54	16.20	10,934.4	243,343	5,591.6
16' 10	18' 3	43.16%	182,477	4,345	690,750	690.75	679.83	360.58	16.54	16.25	11,047.2	245,133	5,595.0
16' 11	18' 2	43.47%	183,783	4,376	695,692	695.69	684.69	360.62	16.54	16.30	11,160.4	246,913	5,597.1
17' 0	18' 1	43.78%	185,088	4,407	700,636	700.64	689.55	360.66	16.55	16.34	11,267.2	248,693	5,599.3
17' 1	18' 0	44.09%	186,394	4,438	705,580	705.58	694.42	360.70	16.55	16.39	11,381.5	250,477	5,601.4
17' 2	17' 11	44.40%	187,701	4,469	710,525	710.52	699.29	360.75	16.55	16.43	11,489.3	252,269	5,603.6
17' 3	17' 10	44.70%	189,007	4,500	715,470	715.47	704.15	360.79	16.56	16.48	11,604.4	254,050	5,605.2
17' 4	17' 9	45.01%	190,314	4,531	720,416	720.42	709.02	360.83	16.56	16.53	11,720.1	255,836	5,606.7
17' 5	17' 8	45.32%	191,621	4,562	725,362	725.36	713.89	360.87	16.56	16.57	11,829.2	257,621	5,608.2
17' 6	17' 7	45.63%	192,927	4,594	730,310	730.31	718.76	360.90	16.57	16.62	11,945.8	259,400	5,611.2
17' 7	17' 6	45.94%	194,234	4,625	735,257	735.26	723.63	360.94	16.57	16.67	12,062.9	261,187	5,612.1
17' 8	17' 5	46.25%	195,541	4,656	740,205	740.20	728.50	360.98	16.57	16.71	12,173.2	262,974	5,613.1
17' 9	17' 4	46.56%	196,849	4,687	745,153	745.15	733.37	361.02	16.58	16.76	12,291.3	264,761	5,614.0
17' 10	17' 3	46.87%	198,156	4,718	750,102	750.10	738.24	361.06	16.58	16.80	12,402.4	266,549	5,615.3
17' 11	17' 2	47.18%	199,463	4,749	755,051	755.05	743.11	361.09	16.58	16.85	12,521.4	268,330	5,615.6
18' 0	17' 1	47.49%	200,771	4,780	759,999	760.0	747.98	361.13	16.58	16.90	12,640.9	270,118	5,615.9
18' 1	17' 0	47.80%	202,078	4,811	764,948	764.95	752.85	361.16	16.59	16.94	12,753.3	271,899	5,617.1
18' 2	16' 11	48.11%	203,386	4,843	769,898	769.90	757.72	361.20	16.59	16.99	12,873.7	273,688	5,617.1
18' 3	16' 10	48.41%	204,693	4,874	774,847	774.85	762.59	361.23	16.59	17.03	12,986.9	275,470	5,617.1
18' 4	16' 9	48.72%	206,000	4,905	779,796	779.80	767.46	361.27	16.60	17.08	13,108.2	277,260	5,617.1
18' 5	16' 8	49.03%	207,308	4,936	784,745	784.75	772.33	361.30	16.60	17.12	13,222.3	279,043	5,617.1
18' 6	16' 7	49.34%	208,615	4,967	789,695	789.69	777.21	361.34	16.60	17.17	13,344.7	280,837	5,617.1
18' 7	16' 6	49.65%	209,923	4,998	794,644	794.64	782.08	361.37	16.60	17.21	13,459.6	282,620	5,617.1
18' 8	16' 5	49.96%	211,230	5,029	799,593	799.59	786.95	361.40	16.61	17.26	13,582.8	284,404	5,617.1
18' 9	16' 4	50.27%	212,538	5,060	804,543	804.54	791.82	361.43	16.61	17.31	13,706.4	286,188	5,617.1
18' 10	16' 3	50.58%	213,845	5,092	809,492	809.49	796.69	361.47	16.61	17.35	13,822.6	287,980	5,617.1
18' 11	16' 2	50.89%	215,153	5,123	814,441	814.44	801.56	361.50	16.61	17.40	13,947.1	289,764	5,617.1
19' 0	16' 1	51.20%	216,460	5,154	819,390	819.39	806.43	361.53	16.62	17.44	14,064.1	291,549	5,617.1
19' 1	16' 0	51.51%	217,768	5,185	824,340	824.34	811.30	361.56	16.62	17.49	14,189.6	293,334	5,617.1
19' 2	15' 11	51.82%	219,075	5,216	829,289	829.29	816.17	361.59	16.62	17.53	14,307.5	295,119	5,617.1
19' 3	15' 10	52.13%	220,382	5,247	834,238	834.24	821.04	361.62	16.62	17.58	14,433.9	296,904	5,617.1

Tank		Oil #6 STBD												
Specific Gravity		1												
Trim		0												
Capacity		10,066 BBL												
Label(s)		Oil#6.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
19' 4	15' 9	52.43%	221,690	5,278	839,187	839.19	<b>825.91</b>	361.65	16.63	17.62	<b>14,552.5</b>	<b>298,690</b>	5,617.1	
19' 5	15' 8	52.74%	222,997	5,309	844,136	844.14	<b>830.79</b>	361.68	16.63	17.67	<b>14,680.1</b>	<b>300,480</b>	5,617.1	
19' 6	15' 7	53.05%	224,305	5,341	849,086	849.09	<b>835.66</b>	361.71	16.63	17.71	<b>14,799.5</b>	<b>302,267</b>	5,617.1	
19' 7	15' 6	53.36%	225,612	5,372	854,035	854.04	<b>840.53</b>	361.73	16.63	17.76	<b>14,927.8</b>	<b>304,045</b>	5,617.1	
19' 8	15' 5	53.67%	226,920	5,403	858,985	858.98	<b>845.40</b>	361.76	16.64	17.80	<b>15,048.1</b>	<b>305,832</b>	5,617.1	
19' 9	15' 4	53.98%	228,227	5,434	863,934	863.93	<b>850.27</b>	361.79	16.64	17.85	<b>15,177.3</b>	<b>307,619</b>	5,617.1	
19' 10	15' 3	54.29%	229,535	5,465	868,883	868.88	<b>855.14</b>	361.82	16.64	17.89	<b>15,298.5</b>	<b>309,407</b>	5,617.1	
19' 11	15' 2	54.60%	230,842	5,496	873,832	873.83	<b>860.01</b>	361.85	16.64	17.94	<b>15,428.6</b>	<b>311,195</b>	5,617.1	
20' 0	15' 1	54.91%	232,150	5,527	878,781	878.78	<b>864.88</b>	361.87	16.64	17.98	<b>15,550.5</b>	<b>312,974</b>	5,617.1	
20' 1	15' 0	55.22%	233,457	5,559	883,731	883.73	<b>869.75</b>	361.90	16.65	18.03	<b>15,681.6</b>	<b>314,763</b>	5,617.1	
20' 2	14' 11	55.53%	234,765	5,590	888,680	888.68	<b>874.63</b>	361.93	16.65	18.07	<b>15,804.6</b>	<b>316,555</b>	5,617.1	
20' 3	14' 10	55.84%	236,072	5,621	893,629	893.63	<b>879.50</b>	361.95	16.65	18.11	<b>15,927.7</b>	<b>318,335</b>	5,617.1	
20' 4	14' 9	56.15%	237,379	5,652	898,579	898.58	<b>884.37</b>	361.98	16.65	18.16	<b>16,060.2</b>	<b>320,124</b>	5,617.1	
20' 5	14' 8	56.45%	238,687	5,683	903,527	903.53	<b>889.24</b>	362.00	16.65	18.20	<b>16,184.2</b>	<b>321,905</b>	5,617.1	
20' 6	14' 7	56.76%	239,994	5,714	908,477	908.48	<b>894.11</b>	362.03	16.66	18.25	<b>16,317.5</b>	<b>323,695</b>	5,617.1	
20' 7	14' 6	57.07%	241,302	5,745	913,426	913.43	<b>898.98</b>	362.05	16.66	18.29	<b>16,442.3</b>	<b>325,476</b>	5,617.1	
20' 8	14' 5	57.38%	242,609	5,776	918,376	918.38	<b>903.85</b>	362.08	16.66	18.34	<b>16,576.6</b>	<b>327,266</b>	5,617.1	
20' 9	14' 4	57.69%	243,917	5,808	923,325	923.32	<b>908.72</b>	362.10	16.66	18.38	<b>16,702.3</b>	<b>329,048</b>	5,617.1	
20' 10	14' 3	58.00%	245,224	5,839	928,274	928.27	<b>913.59</b>	362.13	16.66	18.43	<b>16,837.5</b>	<b>330,838</b>	5,617.1	
20' 11	14' 2	58.31%	246,532	5,870	933,224	933.22	<b>918.46</b>	362.15	16.67	18.47	<b>16,964.0</b>	<b>332,620</b>	5,617.1	
21' 0	14' 1	58.62%	247,839	5,901	938,172	938.17	<b>923.33</b>	362.17	16.67	18.52	<b>17,100.1</b>	<b>334,402</b>	5,617.1	
21' 1	14' 0	58.93%	249,147	5,932	943,122	943.12	<b>928.21</b>	362.20	16.67	18.56	<b>17,227.6</b>	<b>336,198</b>	5,617.1	
21' 2	13' 11	59.24%	250,454	5,963	948,071	948.07	<b>933.08</b>	362.22	16.67	18.60	<b>17,355.3</b>	<b>337,980</b>	5,617.1	
21' 3	13' 10	59.55%	251,761	5,994	953,021	953.02	<b>937.95</b>	362.24	16.67	18.65	<b>17,492.8</b>	<b>339,763</b>	5,617.1	
21' 4	13' 9	59.86%	253,069	6,025	957,970	957.97	<b>942.82</b>	362.27	16.68	18.69	<b>17,621.3</b>	<b>341,555</b>	5,617.1	
21' 5	13' 8	60.17%	254,376	6,057	962,919	962.92	<b>947.69</b>	362.29	16.68	18.74	<b>17,759.7</b>	<b>343,339</b>	5,617.1	
21' 6	13' 7	60.48%	255,684	6,088	967,868	967.87	<b>952.56</b>	362.31	16.68	18.78	<b>17,889.1</b>	<b>345,122</b>	5,617.1	
21' 7	13' 6	60.78%	256,991	6,119	972,817	972.82	<b>957.43</b>	362.33	16.68	18.83	<b>18,028.4</b>	<b>346,906</b>	5,617.1	
21' 8	13' 5	61.09%	258,299	6,150	977,767	977.77	<b>962.30</b>	362.36	16.68	18.87	<b>18,158.6</b>	<b>348,699</b>	5,617.1	
21' 9	13' 4	61.40%	259,606	6,181	982,716	982.72	<b>967.17</b>	362.38	16.68	18.91	<b>18,289.2</b>	<b>350,483</b>	5,617.1	
21' 10	13' 3	61.71%	260,914	6,212	987,665	987.67	<b>972.04</b>	362.40	16.69	18.96	<b>18,429.9</b>	<b>352,267</b>	5,617.1	
21' 11	13' 2	62.02%	262,221	6,243	992,614	992.61	<b>976.92</b>	362.42	16.69	19.00	<b>18,561.5</b>	<b>354,055</b>	5,617.1	
22' 0	13' 1	62.33%	263,529	6,274	997,564	997.56	<b>981.79</b>	362.44	16.69	19.05	<b>18,703.1</b>	<b>355,840</b>	5,617.1	

Tank		Oil #6 STBD												
Specific Gravity		1												
Trim		0												
Capacity		10,066 BBL												
Label(s)		Oil#6.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
22' 1	13' 0	62.64%	264,836	6,306	1,002,513	1,002.51	<b>986.66</b>	362.46	16.69	19.09	<b>18,835.3</b>	<b>357,625</b>	5,617.1	
22' 2	12' 11	62.95%	266,143	6,337	1,007,462	1,007.46	<b>991.53</b>	362.48	16.69	19.13	<b>18,968.0</b>	<b>359,410</b>	5,617.1	
22' 3	12' 10	63.26%	267,451	6,368	1,012,411	1,012.41	<b>996.40</b>	362.50	16.69	19.18	<b>19,111.0</b>	<b>361,195</b>	5,617.1	
22' 4	12' 9	63.57%	268,758	6,399	1,017,360	1,017.36	<b>1,001.27</b>	362.52	16.70	19.22	<b>19,244.4</b>	<b>362,980</b>	5,617.1	
22' 5	12' 8	63.88%	270,066	6,430	1,022,310	1,022.31	<b>1,006.14</b>	362.54	16.70	19.27	<b>19,388.3</b>	<b>364,766</b>	5,617.1	
22' 6	12' 7	64.19%	271,373	6,461	1,027,260	1,027.26	<b>1,011.01</b>	362.56	16.70	19.31	<b>19,522.6</b>	<b>366,552</b>	5,617.1	
22' 7	12' 6	64.50%	272,681	6,492	1,032,209	1,032.21	<b>1,015.88</b>	362.58	16.70	19.35	<b>19,657.3</b>	<b>368,338</b>	5,617.1	
22' 8	12' 5	64.80%	273,988	6,524	1,037,158	1,037.16	<b>1,020.76</b>	362.60	16.70	19.40	<b>19,802.7</b>	<b>370,128</b>	5,617.1	
22' 9	12' 4	65.11%	275,296	6,555	1,042,107	1,042.11	<b>1,025.63</b>	362.62	16.70	19.44	<b>19,938.2</b>	<b>371,914</b>	5,617.1	
22' 10	12' 3	65.42%	276,603	6,586	1,047,056	1,047.06	<b>1,030.50</b>	362.64	16.71	19.49	<b>20,084.4</b>	<b>373,701</b>	5,617.1	
22' 11	12' 2	65.73%	277,911	6,617	1,052,006	1,052.01	<b>1,035.37</b>	362.66	16.71	19.53	<b>20,220.8</b>	<b>375,487</b>	5,617.1	
23' 0	12' 1	66.04%	279,218	6,648	1,056,955	1,056.96	<b>1,040.24</b>	362.68	16.71	19.57	<b>20,357.5</b>	<b>377,274</b>	5,617.1	
23' 1	12' 0	66.35%	280,525	6,679	1,061,904	1,061.90	<b>1,045.11</b>	362.69	16.71	19.62	<b>20,505.1</b>	<b>379,051</b>	5,617.1	
23' 2	11' 11	66.66%	281,833	6,710	1,066,854	1,066.85	<b>1,049.98</b>	362.71	16.71	19.66	<b>20,642.6</b>	<b>380,838</b>	5,617.1	
23' 3	11' 10	66.97%	283,140	6,741	1,071,803	1,071.80	<b>1,054.85</b>	362.73	16.71	19.70	<b>20,780.5</b>	<b>382,626</b>	5,617.1	
23' 4	11' 9	67.28%	284,448	6,773	1,076,752	1,076.75	<b>1,059.72</b>	362.75	16.71	19.75	<b>20,929.5</b>	<b>384,413</b>	5,617.1	
23' 5	11' 8	67.59%	285,755	6,804	1,081,701	1,081.70	<b>1,064.59</b>	362.77	16.72	19.79	<b>21,068.2</b>	<b>386,201</b>	5,617.1	
23' 6	11' 7	67.90%	287,063	6,835	1,086,651	1,086.65	<b>1,069.46</b>	362.78	16.72	19.84	<b>21,218.1</b>	<b>387,979</b>	5,617.1	
23' 7	11' 6	68.21%	288,370	6,866	1,091,600	1,091.60	<b>1,074.34</b>	362.80	16.72	19.88	<b>21,357.9</b>	<b>389,771</b>	5,617.1	
23' 8	11' 5	68.52%	289,678	6,897	1,096,549	1,096.55	<b>1,079.21</b>	362.82	16.72	19.92	<b>21,497.9</b>	<b>391,559</b>	5,617.1	
23' 9	11' 4	68.82%	290,985	6,928	1,101,498	1,101.50	<b>1,084.08</b>	362.84	16.72	19.97	<b>21,649.1</b>	<b>393,348</b>	5,617.1	
23' 10	11' 3	69.13%	292,293	6,959	1,106,448	1,106.45	<b>1,088.95</b>	362.85	16.72	20.01	<b>21,789.9</b>	<b>395,126</b>	5,617.1	
23' 11	11' 2	69.44%	293,600	6,990	1,111,397	1,111.40	<b>1,093.82</b>	362.87	16.72	20.05	<b>21,931.1</b>	<b>396,914</b>	5,617.1	
24' 0	11' 1	69.75%	294,908	7,022	1,116,346	1,116.35	<b>1,098.69</b>	362.89	16.73	20.10	<b>22,083.7</b>	<b>398,704</b>	5,617.1	
24' 1	11' 0	70.06%	296,215	7,053	1,121,296	1,121.30	<b>1,103.56</b>	362.90	16.73	20.14	<b>22,225.7</b>	<b>400,482</b>	5,617.1	
24' 2	10' 11	70.37%	297,522	7,084	1,126,245	1,126.24	<b>1,108.43</b>	362.92	16.73	20.18	<b>22,368.1</b>	<b>402,271</b>	5,617.1	
24' 3	10' 10	70.68%	298,830	7,115	1,131,194	1,131.19	<b>1,113.30</b>	362.94	16.73	20.23	<b>22,522.1</b>	<b>404,061</b>	5,617.1	
24' 4	10' 9	70.99%	300,137	7,146	1,136,143	1,136.14	<b>1,118.17</b>	362.95	16.73	20.27	<b>22,665.3</b>	<b>405,840</b>	5,617.1	
24' 5	10' 8	71.30%	301,445	7,177	1,141,092	1,141.09	<b>1,123.05</b>	362.97	16.73	20.31	<b>22,809.1</b>	<b>407,633</b>	5,617.1	
24' 6	10' 7	71.61%	302,752	7,208	1,146,042	1,146.04	<b>1,127.92</b>	362.98	16.73	20.36	<b>22,964.5</b>	<b>409,422</b>	5,617.1	
24' 7	10' 6	71.92%	304,060	7,240	1,150,991	1,150.99	<b>1,132.79</b>	363.00	16.73	20.40	<b>23,108.9</b>	<b>411,203</b>	5,617.1	
24' 8	10' 5	72.23%	305,367	7,271	1,155,940	1,155.94	<b>1,137.66</b>	363.01	16.74	20.45	<b>23,265.1</b>	<b>412,982</b>	5,617.1	
24' 9	10' 4	72.54%	306,675	7,302	1,160,889	1,160.89	<b>1,142.53</b>	363.03	16.74	20.49	<b>23,410.4</b>	<b>414,773</b>	5,617.1	

Tank		Oil #6 STBD											
Specific Gravity		1											
Trim		0											
Capacity		10,066 BBL											
Label(s)		Oil#6.s											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
24' 10	10' 3	72.84%	307,982	7,333	1,165,839	1,165.84	<b>1,147.40</b>	363.05	16.74	20.53	<b>23,556.1</b>	<b>416,564</b>	5,617.1
24' 11	10' 2	73.15%	309,290	7,364	1,170,788	1,170.79	<b>1,152.27</b>	363.06	16.74	20.58	<b>23,713.7</b>	<b>418,343</b>	5,617.1
25' 0	10' 1	73.46%	310,597	7,395	1,175,737	1,175.74	<b>1,157.14</b>	363.08	16.74	20.62	<b>23,860.2</b>	<b>420,134</b>	5,617.1
25' 1	10' 0	73.77%	311,904	7,426	1,180,686	1,180.69	<b>1,162.01</b>	363.09	16.74	20.66	<b>24,007.1</b>	<b>421,914</b>	5,617.1
25' 2	9' 11	74.08%	313,212	7,457	1,185,636	1,185.64	<b>1,166.89</b>	363.11	16.74	20.71	<b>24,166.3</b>	<b>423,709</b>	5,617.1
25' 3	9' 10	74.39%	314,519	7,489	1,190,585	1,190.59	<b>1,171.76</b>	363.12	16.74	20.75	<b>24,314.0</b>	<b>425,489</b>	5,617.1
25' 4	9' 9	74.70%	315,827	7,520	1,195,534	1,195.53	<b>1,176.63</b>	363.13	16.75	20.79	<b>24,462.1</b>	<b>427,270</b>	5,617.1
25' 5	9' 8	75.01%	317,134	7,551	1,200,484	1,200.48	<b>1,181.50</b>	363.15	16.75	20.84	<b>24,622.5</b>	<b>429,062</b>	5,617.1
25' 6	9' 7	75.32%	318,442	7,582	1,205,433	1,205.43	<b>1,186.37</b>	363.16	16.75	20.88	<b>24,771.4</b>	<b>430,842</b>	5,617.1
25' 7	9' 6	75.63%	319,749	7,613	1,210,382	1,210.38	<b>1,191.24</b>	363.18	16.75	20.92	<b>24,920.7</b>	<b>432,635</b>	5,617.1
25' 8	9' 5	75.94%	321,057	7,644	1,215,331	1,215.33	<b>1,196.11</b>	363.19	16.75	20.97	<b>25,082.4</b>	<b>434,415</b>	5,617.1
25' 9	9' 4	76.25%	322,364	7,675	1,220,280	1,220.28	<b>1,200.98</b>	363.21	16.75	21.01	<b>25,232.6</b>	<b>436,208</b>	5,617.1
25' 10	9' 3	76.56%	323,672	7,706	1,225,230	1,225.23	<b>1,205.85</b>	363.22	16.75	21.05	<b>25,383.1</b>	<b>437,989</b>	5,617.1
25' 11	9' 2	76.86%	324,979	7,738	1,230,179	1,230.18	<b>1,210.72</b>	363.23	16.75	21.10	<b>25,546.2</b>	<b>439,770</b>	5,617.1
26' 0	9' 1	77.17%	326,286	7,769	1,235,128	1,235.13	<b>1,215.59</b>	363.25	16.75	21.14	<b>25,697.6</b>	<b>441,563</b>	5,617.1
26' 1	9' 0	77.48%	327,594	7,800	1,240,078	1,240.08	<b>1,220.46</b>	363.26	16.76	21.18	<b>25,849.3</b>	<b>443,344</b>	5,617.1
26' 2	8' 11	77.79%	328,901	7,831	1,245,027	1,245.03	<b>1,225.34</b>	363.27	16.76	21.22	<b>26,001.7</b>	<b>445,129</b>	5,617.1
26' 3	8' 10	78.10%	330,209	7,862	1,249,976	1,249.98	<b>1,230.21</b>	363.29	16.76	21.27	<b>26,166.6</b>	<b>446,923</b>	5,617.1
26' 4	8' 9	78.41%	331,516	7,893	1,254,926	1,254.93	<b>1,235.08</b>	363.30	16.76	21.31	<b>26,319.6</b>	<b>448,705</b>	5,617.1
26' 5	8' 8	78.72%	332,824	7,924	1,259,875	1,259.88	<b>1,239.95</b>	363.31	16.76	21.35	<b>26,472.9</b>	<b>450,486</b>	5,617.1
26' 6	8' 7	79.03%	334,131	7,956	1,264,824	1,264.82	<b>1,244.82</b>	363.33	16.76	21.40	<b>26,639.1</b>	<b>452,280</b>	5,617.1
26' 7	8' 6	79.34%	335,439	7,987	1,269,773	1,269.77	<b>1,249.69</b>	363.34	16.76	21.44	<b>26,793.4</b>	<b>454,062</b>	5,617.1
26' 8	8' 5	79.65%	336,746	8,018	1,274,722	1,274.72	<b>1,254.56</b>	363.35	16.76	21.48	<b>26,947.9</b>	<b>455,844</b>	5,617.1
26' 9	8' 4	79.96%	338,054	8,049	1,279,672	1,279.67	<b>1,259.43</b>	363.37	16.76	21.53	<b>27,115.5</b>	<b>457,639</b>	5,617.1
26' 10	8' 3	80.27%	339,361	8,080	1,284,622	1,284.62	<b>1,264.30</b>	363.38	16.77	21.57	<b>27,271.0</b>	<b>459,421</b>	5,617.1
26' 11	8' 2	80.58%	340,669	8,111	1,289,571	1,289.57	<b>1,269.18</b>	363.39	16.77	21.61	<b>27,427.0</b>	<b>461,207</b>	5,617.1
27' 0	8' 1	80.89%	341,976	8,142	1,294,520	1,294.52	<b>1,274.05</b>	363.40	16.77	21.66	<b>27,595.9</b>	<b>462,990</b>	5,617.1
27' 1	8' 0	81.19%	343,283	8,173	1,299,469	1,299.47	<b>1,278.92</b>	363.42	16.77	21.70	<b>27,752.6</b>	<b>464,785</b>	5,617.1
27' 2	7' 11	81.50%	344,591	8,205	1,304,418	1,304.42	<b>1,283.79</b>	363.43	16.77	21.74	<b>27,909.6</b>	<b>466,568</b>	5,617.1
27' 3	7' 10	81.81%	345,898	8,236	1,309,368	1,309.37	<b>1,288.66</b>	363.44	16.77	21.79	<b>28,079.9</b>	<b>468,351</b>	5,617.1
27' 4	7' 9	82.12%	347,206	8,267	1,314,317	1,314.32	<b>1,293.53</b>	363.45	16.77	21.83	<b>28,237.8</b>	<b>470,133</b>	5,617.1
27' 5	7' 8	82.43%	348,513	8,298	1,319,266	1,319.27	<b>1,298.40</b>	363.46	16.77	21.87	<b>28,396.0</b>	<b>471,916</b>	5,617.1
27' 6	7' 7	82.74%	349,821	8,329	1,324,215	1,324.22	<b>1,303.27</b>	363.48	16.77	21.91	<b>28,554.6</b>	<b>473,713</b>	5,617.1



Tank		Oil #6 STBD												
Specific Gravity		1												
Trim		0												
Capacity		10,066 BBL												
Label(s)		Oil#6.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
27' 7	7' 6	83.05%	351,128	8,360	1,329,165	1,329.17	<b>1,308.14</b>	363.49	16.77	21.96	<b>28,726.8</b>	<b>475,496</b>	5,617.1	
27' 8	7' 5	83.36%	352,436	8,391	1,334,113	1,334.11	<b>1,313.01</b>	363.50	16.77	22.00	<b>28,886.2</b>	<b>477,279</b>	5,617.1	
27' 9	7' 4	83.67%	353,743	8,422	1,339,063	1,339.06	<b>1,317.89</b>	363.51	16.78	22.04	<b>29,046.3</b>	<b>479,066</b>	5,617.1	
27' 10	7' 3	83.98%	355,050	8,454	1,344,012	1,344.01	<b>1,322.76</b>	363.52	16.78	22.09	<b>29,219.8</b>	<b>480,850</b>	5,617.1	
27' 11	7' 2	84.29%	356,358	8,485	1,348,961	1,348.96	<b>1,327.63</b>	363.53	16.78	22.13	<b>29,380.5</b>	<b>482,633</b>	5,617.1	
28' 0	7' 1	84.60%	357,665	8,516	1,353,911	1,353.91	<b>1,332.50</b>	363.54	16.78	22.17	<b>29,541.5</b>	<b>484,417</b>	5,617.1	
28' 1	7' 0	84.91%	358,973	8,547	1,358,860	1,358.86	<b>1,337.37</b>	363.56	16.78	22.22	<b>29,716.4</b>	<b>486,214</b>	5,617.1	
28' 2	6' 11	85.21%	360,280	8,578	1,363,809	1,363.81	<b>1,342.24</b>	363.57	16.78	22.26	<b>29,878.3</b>	<b>487,998</b>	5,617.1	
28' 3	6' 10	85.52%	361,588	8,609	1,368,758	1,368.76	<b>1,347.11</b>	363.58	16.78	22.30	<b>30,040.6</b>	<b>489,782</b>	5,617.1	
28' 4	6' 9	85.83%	362,895	8,640	1,373,708	1,373.71	<b>1,351.98</b>	363.59	16.78	22.34	<b>30,203.2</b>	<b>491,566</b>	5,617.1	
28' 5	6' 8	86.14%	364,203	8,671	1,378,657	1,378.66	<b>1,356.85</b>	363.60	16.78	22.39	<b>30,379.9</b>	<b>493,351</b>	5,617.1	
28' 6	6' 7	86.45%	365,510	8,703	1,383,607	1,383.61	<b>1,361.72</b>	363.61	16.78	22.43	<b>30,543.4</b>	<b>495,135</b>	5,617.1	
28' 7	6' 6	86.76%	366,818	8,734	1,388,555	1,388.56	<b>1,366.59</b>	363.62	16.78	22.47	<b>30,707.3</b>	<b>496,919</b>	5,617.1	
28' 8	6' 5	87.07%	368,125	8,765	1,393,505	1,393.51	<b>1,371.47</b>	363.63	16.79	22.52	<b>30,885.5</b>	<b>498,708</b>	5,617.1	
28' 9	6' 4	87.38%	369,433	8,796	1,398,455	1,398.45	<b>1,376.34</b>	363.64	16.79	22.56	<b>31,050.2</b>	<b>500,492</b>	5,617.1	
28' 10	6' 3	87.69%	370,740	8,827	1,403,404	1,403.40	<b>1,381.21</b>	363.65	16.79	22.60	<b>31,215.3</b>	<b>502,277</b>	5,617.1	
28' 11	6' 2	88.00%	372,047	8,858	1,408,353	1,408.35	<b>1,386.08</b>	363.66	16.79	22.64	<b>31,380.9</b>	<b>504,062</b>	5,617.1	
29' 0	6' 1	88.31%	373,355	8,889	1,413,301	1,413.30	<b>1,390.95</b>	363.67	16.79	22.69	<b>31,560.7</b>	<b>505,847</b>	5,617.1	
29' 1	6' 0	88.62%	374,662	8,921	1,418,251	1,418.25	<b>1,395.82</b>	363.68	16.79	22.73	<b>31,727.0</b>	<b>507,632</b>	5,617.1	
29' 2	5' 11	88.93%	375,970	8,952	1,423,201	1,423.20	<b>1,400.69</b>	363.69	16.79	22.77	<b>31,893.7</b>	<b>509,417</b>	5,617.1	
29' 3	5' 10	89.23%	377,277	8,983	1,428,150	1,428.15	<b>1,405.56</b>	363.71	16.79	22.82	<b>32,074.9</b>	<b>511,216</b>	5,617.1	
29' 4	5' 9	89.54%	378,585	9,014	1,433,099	1,433.10	<b>1,410.43</b>	363.72	16.79	22.86	<b>32,242.4</b>	<b>513,002</b>	5,617.1	
29' 5	5' 8	89.85%	379,892	9,045	1,438,048	1,438.05	<b>1,415.31</b>	363.73	16.79	22.90	<b>32,410.6</b>	<b>514,791</b>	5,617.1	
29' 6	5' 7	90.16%	381,200	9,076	1,442,998	1,443.0	<b>1,420.18</b>	363.74	16.79	22.94	<b>32,578.9</b>	<b>516,576</b>	5,617.1	
29' 7	5' 6	90.47%	382,507	9,107	1,447,947	1,447.95	<b>1,425.05</b>	363.75	16.79	22.99	<b>32,761.9</b>	<b>518,362</b>	5,617.1	
29' 8	5' 5	90.78%	383,815	9,138	1,452,896	1,452.90	<b>1,429.92</b>	363.76	16.80	23.03	<b>32,931.1</b>	<b>520,148</b>	5,617.1	
29' 9	5' 4	91.09%	385,122	9,170	1,457,845	1,457.84	<b>1,434.79</b>	363.76	16.80	23.07	<b>33,100.6</b>	<b>521,919</b>	5,617.1	
29' 10	5' 3	91.40%	386,430	9,201	1,462,795	1,462.80	<b>1,439.66</b>	363.77	16.80	23.12	<b>33,284.9</b>	<b>523,705</b>	5,617.1	
29' 11	5' 2	91.71%	387,737	9,232	1,467,745	1,467.74	<b>1,444.53</b>	363.78	16.80	23.16	<b>33,455.3</b>	<b>525,491</b>	5,617.1	
30' 0	5' 1	92.02%	389,044	9,263	1,472,693	1,472.69	<b>1,449.40</b>	363.79	16.80	23.20	<b>33,626.1</b>	<b>527,277</b>	5,617.1	
30' 1	5' 0	92.33%	390,352	9,294	1,477,642	1,477.64	<b>1,454.27</b>	363.80	16.80	23.24	<b>33,797.2</b>	<b>529,063</b>	5,617.1	
30' 2	4' 11	92.64%	391,659	9,325	1,482,591	1,482.59	<b>1,459.14</b>	363.81	16.80	23.29	<b>33,983.4</b>	<b>530,850</b>	5,617.1	
30' 3	4' 10	92.95%	392,967	9,356	1,487,541	1,487.54	<b>1,464.02</b>	363.82	16.80	23.33	<b>34,155.6</b>	<b>532,640</b>	5,617.1	

Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
30' 4	4' 9	93.25%	394,274	9,387	1,492,491	1,492.49	<b>1,468.89</b>	363.83	16.80	23.37	<b>34,328.0</b>	<b>534,426</b>	5,617.1
30' 5	4' 8	93.56%	395,582	9,419	1,497,439	1,497.44	<b>1,473.76</b>	363.84	16.80	23.42	<b>34,515.5</b>	<b>536,213</b>	5,617.1
30' 6	4' 7	93.87%	396,889	9,450	1,502,388	1,502.39	<b>1,478.63</b>	363.85	16.80	23.46	<b>34,688.7</b>	<b>538,000</b>	5,617.1
30' 7	4' 6	94.18%	398,197	9,481	1,507,338	1,507.34	<b>1,483.50</b>	363.86	16.80	23.50	<b>34,862.3</b>	<b>539,786</b>	5,617.1
30' 8	4' 5	94.49%	399,504	9,512	1,512,288	1,512.29	<b>1,488.37</b>	363.87	16.80	23.54	<b>35,036.2</b>	<b>541,573</b>	5,617.1
30' 9	4' 4	94.80%	400,812	9,543	1,517,237	1,517.24	<b>1,493.24</b>	363.88	16.81	23.59	<b>35,225.5</b>	<b>543,360</b>	5,617.1
30' 10	4' 3	95.11%	402,119	9,574	1,522,186	1,522.19	<b>1,498.11</b>	363.89	16.81	23.63	<b>35,400.3</b>	<b>545,147</b>	5,617.1
30' 11	4' 2	95.42%	403,426	9,605	1,527,135	1,527.13	<b>1,502.98</b>	363.90	16.81	23.67	<b>35,575.5</b>	<b>546,934</b>	5,617.1
31' 0	4' 1	95.73%	404,734	9,637	1,532,084	1,532.08	<b>1,507.85</b>	363.90	16.81	23.71	<b>35,751.1</b>	<b>548,707</b>	5,617.1
31' 1	4' 0	96.04%	406,041	9,668	1,537,034	1,537.03	<b>1,512.72</b>	363.91	16.81	23.76	<b>35,942.2</b>	<b>550,494</b>	5,617.1
31' 2	3' 11	96.35%	407,349	9,699	1,541,983	1,541.98	<b>1,517.60</b>	363.92	16.81	23.80	<b>36,118.9</b>	<b>552,285</b>	5,617.1
31' 3	3' 10	96.66%	408,656	9,730	1,546,932	1,546.93	<b>1,522.47</b>	363.93	16.81	23.84	<b>36,295.7</b>	<b>554,073</b>	5,617.1
31' 4	3' 9	96.97%	409,964	9,761	1,551,881	1,551.88	<b>1,527.34</b>	363.94	16.81	23.88	<b>36,472.9</b>	<b>555,860</b>	5,617.1
31' 5	3' 8	97.28%	411,271	9,792	1,556,831	1,556.83	<b>1,532.21</b>	363.95	16.81	23.93	<b>36,665.8</b>	<b>557,648</b>	5,617.1
31' 6	3' 7	97.58%	412,579	9,823	1,561,781	1,561.78	<b>1,537.08</b>	363.96	16.81	23.97	<b>36,843.8</b>	<b>559,436</b>	5,617.1
31' 7	3' 6	97.89%	413,886	9,854	1,566,729	1,566.73	<b>1,541.95</b>	363.96	16.81	24.01	<b>37,022.2</b>	<b>561,208</b>	5,617.1
31' 8	3' 5	98.20%	415,193	9,886	1,571,678	1,571.68	<b>1,546.82</b>	363.97	16.81	24.06	<b>37,216.5</b>	<b>562,996</b>	5,617.1
31' 9	3' 4	98.50%	416,459	9,916	1,576,627	1,576.67	<b>1,551.54</b>	363.98	16.81	24.10	<b>37,392.1</b>	<b>564,730</b>	4,461.9
31' 10	3' 3	98.78%	417,613	9,943	1,580,838	1,580.84	<b>1,555.84</b>	363.99	16.81	24.13	<b>37,542.4</b>	<b>566,310</b>	3,322.8
31' 11	3' 2	99.02%	418,653	9,968	1,584,775	1,584.77	<b>1,559.71</b>	363.99	16.80	24.17	<b>37,698.2</b>	<b>567,719</b>	2,396.1
32' 0	3' 1	99.24%	419,583	9,990	1,588,293	1,588.29	<b>1,563.17</b>	364.00	16.79	24.20	<b>37,828.7</b>	<b>568,994</b>	1,676.8
32' 1	3' 0	99.43%	420,399	10,009	1,591,381	1,591.38	<b>1,566.21</b>	364.01	16.78	24.23	<b>37,949.3</b>	<b>570,116</b>	1,097.8
32' 2	2' 11	99.60%	421,101	10,026	1,594,042	1,594.04	<b>1,568.83</b>	364.01	16.76	24.25	<b>38,044.1</b>	<b>571,070</b>	682.5
32' 3	2' 10	99.74%	421,694	10,040	1,596,284	1,596.28	<b>1,571.04</b>	364.01	16.75	24.27	<b>38,129.1</b>	<b>571,874</b>	386.9
32' 4	2' 9	99.85%	422,171	10,052	1,598,093	1,598.09	<b>1,572.82</b>	364.02	16.74	24.28	<b>38,188.1</b>	<b>572,538</b>	187.7
32' 5	2' 8	99.94%	422,537	10,060	1,599,478	1,599.48	<b>1,574.18</b>	364.02	16.73	24.30	<b>38,252.6</b>	<b>573,033</b>	75.6
32' 6	2' 7	100.00%	422,792	10,066	1,600,442	1,600.44	<b>1,575.13</b>	364.02	16.72	24.30	<b>38,275.7</b>	<b>573,379</b>	20.0

Tank		Ballast #1 PORT											
Specific Gravity		1.025											
Trim		0											
Capacity		155,542 Gallons											
Label(s)		Ball#1.p											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
0' 1	37' 7 1/4	0	1195	28	4525	5	5	69	12	0	1	314	3401
0' 2	37' 7	0	2142	51	8109	8	8	68	13	0	1	557	3764
0' 3	37' 6	0	3141	75	11891	12	12	68	13	0	3	810	4050
0' 4	37' 5	0	4185	100	15840	16	16	67	13	0	4	1070	4278
0' 5	37' 4	0	5255	125	19892	20	20	67	13	0	6	1336	4432
0' 6	37' 3	0	6345	151	24017	24	24	66	13	0	8	1605	4570
0' 7	37' 2	0	7450	177	28202	28	28	66	13	0	11	1878	4692
0' 8	37' 1	0	8570	204	32440	32	33	66	13	0	14	2154	4806
0' 9	37' 0	0	9702	231	36726	37	37	66	14	0	18	2432	4910
0' 10	36' 11	0	10846	258	41055	41	41	65	14	1	22	2712	5005
0' 11	36' 10	0	11999	286	45422	45	46	65	14	1	26	2995	5092
1' 0	36' 9	0	13162	313	49825	50	50	65	14	1	31	3279	5173
1' 1	36' 8	0	14334	341	54260	54	55	65	14	1	36	3566	5250
1' 2	36' 7	0	15514	369	58725	59	59	65	14	1	41	3854	5323
1' 3	36' 6	0	16701	398	63219	63	64	65	14	1	47	4143	5391
1' 4	36' 5	0	17895	426	67739	68	68	65	14	1	54	4435	5455
1' 5	36' 4	0	19096	455	72284	72	73	65	14	1	61	4727	5517
1' 6	36' 3	0	20303	483	76853	77	78	65	14	1	67	5021	5575
1' 7	36' 2	0	21515	512	81444	81	82	65	14	1	76	5316	5629
1' 8	36' 1	0	22734	541	86056	86	87	65	14	1	83	5611	5681
1' 9	36' 0	0	23957	570	90688	91	91	65	14	1	91	5909	5731
1' 10	35' 11	0	25186	600	95338	95	96	65	14	1	101	6207	5777
1' 11	35' 10	0	26419	629	100006	100	101	64	14	1	110	6506	5821
2' 0	35' 9	0	27656	658	104690	105	106	64	14	1	119	6806	5864
2' 1	35' 8	0	28898	688	109391	109	110	64	14	1	130	7107	5905
2' 2	35' 7	0	30144	718	114106	114	115	64	15	1	140	7408	5942
2' 3	35' 6	0	31393	747	118836	119	120	64	15	1	151	7711	5980
2' 4	35' 5	0	32647	777	123581	124	125	64	15	1	163	8014	6016
2' 5	35' 4	0	33903	807	128338	128	129	64	15	1	175	8317	6050
2' 6	35' 3	0	35164	837	133108	133	134	64	15	1	187	8622	6083
2' 7	35' 2	0	36427	867	137891	138	139	64	15	1	200	8926	6115
2' 8	35' 1	0	37694	897	142685	143	144	64	15	1	213	9232	6146
2' 9	35' 0	0	38963	928	147491	147	149	64	15	2	226	9539	6176

Tank		Ballast #1 PORT											
Specific Gravity		1.025											
Trim		0											
Capacity		155,542 Gallons											
Label(s)		Ball#1.p											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
2' 10	34' 11	0	40236	958	152308	152	154	64	15	2	241	9846	6205
2' 11	34' 10	0	41511	988	157136	157	159	64	15	2	255	10153	6231
3' 0	34' 9	0	42789	1019	161973	162	163	64	15	2	270	10461	6255
3' 1	34' 8	28.3%	44,069	1,049	166,819	166.82	168.29	64.00	14.88	1.70	286.1	10,771	6,279.1
3' 2	34' 7	29.2%	45,352	1,080	171,674	171.67	173.18	63.97	14.91	1.74	301.3	11,078	6,301.3
3' 3	34' 6	30.0%	46,636	1,110	176,538	176.54	178.09	63.94	14.93	1.78	317.0	11,387	6,323.0
3' 4	34' 5	30.8%	47,923	1,141	181,410	181.41	183.0	63.92	14.96	1.83	334.9	11,697	6,343.8
3' 5	34' 4	31.6%	49,212	1,172	186,289	186.29	187.93	63.89	14.99	1.87	351.4	12,007	6,364.1
3' 6	34' 3	32.5%	50,504	1,202	191,177	191.18	192.86	63.87	15.01	1.91	368.4	12,318	6,384.1
3' 7	34' 2	33.3%	51,797	1,233	196,072	196.07	197.79	63.85	15.03	1.96	387.7	12,629	6,404.2
3' 8	34' 1	34.1%	53,092	1,264	200,974	200.97	202.74	63.82	15.06	2.00	405.5	12,939	6,423.3
3' 9	34' 0	35.0%	54,389	1,295	205,884	205.88	207.69	63.80	15.08	2.04	423.7	13,251	6,441.8
3' 10	33' 11	35.8%	55,688	1,326	210,801	210.80	212.65	63.78	15.10	2.09	444.4	13,563	6,460.2
3' 11	33' 10	36.6%	56,988	1,357	215,724	215.72	217.62	63.76	15.12	2.13	463.5	13,875	6,478.0
4' 0	33' 9	37.5%	58,291	1,388	220,654	220.65	222.59	63.74	15.15	2.17	483.0	14,188	6,494.3
4' 1	33' 8	38.3%	59,594	1,419	225,590	225.59	227.57	63.72	15.17	2.22	505.2	14,501	6,509.1
4' 2	33' 7	39.2%	60,900	1,450	230,531	230.53	232.56	63.70	15.19	2.26	525.6	14,814	6,523.6
4' 3	33' 6	40.0%	62,207	1,481	235,479	235.48	237.55	63.68	15.21	2.30	546.4	15,127	6,537.5
4' 4	33' 5	40.8%	63,515	1,512	240,431	240.43	242.54	63.66	15.22	2.35	570.0	15,440	6,550.7
4' 5	33' 4	41.7%	64,825	1,543	245,389	245.39	247.55	63.64	15.24	2.39	591.6	15,754	6,563.9
4' 6	33' 3	42.5%	66,136	1,575	250,352	250.35	252.55	63.63	15.26	2.43	613.7	16,070	6,576.3
4' 7	33' 2	43.4%	67,448	1,606	255,320	255.32	257.56	63.61	15.28	2.47	636.2	16,383	6,588.5
4' 8	33' 1	44.2%	68,762	1,637	260,292	260.29	262.58	63.59	15.30	2.52	661.7	16,697	6,600.4
4' 9	33' 0	45.1%	70,077	1,668	265,269	265.27	267.60	63.58	15.31	2.56	685.1	17,014	6,612.1
4' 10	32' 11	45.9%	71,393	1,700	270,251	270.25	272.63	63.56	15.33	2.60	708.8	17,328	6,623.4
4' 11	32' 10	46.7%	72,710	1,731	275,237	275.24	277.66	63.54	15.35	2.65	735.8	17,643	6,634.3
5' 0	32' 9	47.6%	74,028	1,763	280,228	280.23	282.69	63.53	15.36	2.69	760.4	17,959	6,644.9
5' 1	32' 8	48.4%	75,348	1,794	285,222	285.22	287.73	63.51	15.38	2.73	785.5	18,274	6,655.3
5' 2	32' 7	49.3%	76,639	1,825	290,112	290.11	292.66	63.50	15.40	2.77	810.7	18,584	6,490.1
5' 3	32' 6	50.0%	77,731	1,851	294,246	294.25	296.83	63.47	15.45	2.81	834.1	18,840	3,411.6
5' 4	32' 5	50.6%	78,642	1,872	297,693	297.69	300.31	63.45	15.52	2.84	852.9	19,055	2,244.2
5' 5	32' 4	51.0%	79,370	1,890	300,447	300.45	303.09	63.43	15.60	2.86	866.8	19,225	1,526.7
5' 6	32' 3	51.4%	79,952	1,904	302,651	302.65	305.31	63.40	15.67	2.88	879.3	19,357	1,061.3

Tank		Ballast #1 PORT											
Specific Gravity		1.025											
Trim		0											
Capacity		155,542 Gallons											
Label(s)		Ball#1.p											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
5' 7	32' 2	51.7%	80,439	1,915	304,496	304.50	<b>307.17</b>	63.36	15.73	2.90	<b>890.8</b>	<b>19,462</b>	943.4
5' 8	32' 1	52.0%	80,887	1,926	306,189	306.19	<b>308.88</b>	63.32	15.79	2.92	<b>901.9</b>	<b>19,558</b>	891.8
5' 9	32' 0	52.3%	81,309	1,936	307,787	307.79	<b>310.49</b>	63.28	15.85	2.93	<b>909.7</b>	<b>19,648</b>	838.4
5' 10	31' 11	52.5%	81,707	1,945	309,295	309.29	<b>312.01</b>	63.24	15.90	2.95	<b>920.4</b>	<b>19,732</b>	788.8
5' 11	31' 10	52.8%	82,086	1,954	310,729	310.73	<b>313.46</b>	63.20	15.95	2.96	<b>927.8</b>	<b>19,811</b>	745.8
6' 0	31' 9	53.0%	82,448	1,963	312,101	312.10	<b>314.84</b>	63.16	16.00	2.97	<b>935.1</b>	<b>19,885</b>	706.8
6' 1	31' 8	53.2%	82,797	1,971	313,421	313.42	<b>316.18</b>	63.12	16.04	2.99	<b>945.4</b>	<b>19,957</b>	670.5
6' 2	31' 7	53.4%	83,133	1,979	314,694	314.69	<b>317.46</b>	63.08	16.09	3.00	<b>952.4</b>	<b>20,025</b>	636.4
6' 3	31' 6	53.7%	83,458	1,987	315,925	315.92	<b>318.70</b>	63.04	16.13	3.01	<b>959.3</b>	<b>20,091</b>	604.1
6' 4	31' 5	53.9%	83,773	1,995	317,116	317.12	<b>319.90</b>	63.01	16.17	3.03	<b>969.3</b>	<b>20,157</b>	573.2
6' 5	31' 4	54.1%	84,078	2,002	318,272	318.27	<b>321.07</b>	62.98	16.22	3.04	<b>976.1</b>	<b>20,221</b>	543.7
6' 6	31' 3	54.2%	84,375	2,009	319,394	319.39	<b>322.20</b>	62.95	16.26	3.05	<b>982.7</b>	<b>20,282</b>	515.4
6' 7	31' 2	54.4%	84,663	2,016	320,485	320.48	<b>323.30</b>	62.92	16.30	3.06	<b>989.3</b>	<b>20,342</b>	488.2
6' 8	31' 1	54.6%	84,944	2,022	321,547	321.55	<b>324.37</b>	62.89	16.34	3.07	<b>995.8</b>	<b>20,400</b>	462.1
6' 9	31' 0	54.8%	85,217	2,029	322,583	322.58	<b>325.42</b>	62.86	16.38	3.09	<b>1,005.5</b>	<b>20,456</b>	437.1
6' 10	30' 11	55.0%	85,484	2,035	323,593	323.59	<b>326.44</b>	62.84	16.42	3.10	<b>1,012.0</b>	<b>20,513</b>	413.0
6' 11	30' 10	55.1%	85,745	2,042	324,581	324.58	<b>327.43</b>	62.82	16.45	3.11	<b>1,018.3</b>	<b>20,569</b>	389.9
7' 0	30' 9	55.3%	86,000	2,048	325,547	325.55	<b>328.41</b>	62.80	16.49	3.12	<b>1,024.6</b>	<b>20,624</b>	367.7
7' 1	30' 8	55.5%	86,250	2,054	326,493	326.49	<b>329.36</b>	62.78	16.53	3.13	<b>1,030.9</b>	<b>20,677</b>	346.5
7' 2	30' 7	55.6%	86,495	2,059	327,420	327.42	<b>330.30</b>	62.76	16.56	3.15	<b>1,040.4</b>	<b>20,730</b>	326.3
7' 3	30' 6	55.8%	86,736	2,065	328,330	328.33	<b>331.22</b>	62.74	16.60	3.16	<b>1,046.7</b>	<b>20,781</b>	307.1
7' 4	30' 5	55.9%	86,972	2,071	329,225	329.22	<b>332.12</b>	62.72	16.64	3.17	<b>1,052.8</b>	<b>20,831</b>	288.8
7' 5	30' 4	56.1%	87,204	2,076	330,104	330.10	<b>333.01</b>	62.71	16.67	3.18	<b>1,059.0</b>	<b>20,883</b>	271.7
7' 6	30' 3	56.2%	87,433	2,082	330,970	330.97	<b>333.88</b>	62.69	16.71	3.19	<b>1,065.1</b>	<b>20,931</b>	255.5
7' 7	30' 2	56.4%	87,658	2,087	331,823	331.82	<b>334.74</b>	62.68	16.74	3.20	<b>1,071.2</b>	<b>20,982</b>	240.5
7' 8	30' 1	56.5%	87,881	2,092	332,664	332.66	<b>335.59</b>	62.67	16.78	3.21	<b>1,077.2</b>	<b>21,031</b>	226.5
7' 9	30' 0	56.6%	88,100	2,098	333,495	333.49	<b>336.43</b>	62.65	16.81	3.23	<b>1,086.7</b>	<b>21,077</b>	213.6
7' 10	29' 11	56.8%	88,317	2,103	334,316	334.32	<b>337.25</b>	62.64	16.84	3.24	<b>1,092.7</b>	<b>21,125</b>	201.9
7' 11	29' 10	56.9%	88,531	2,108	335,128	335.13	<b>338.07</b>	62.63	16.88	3.25	<b>1,098.7</b>	<b>21,173</b>	191.1
8' 0	29' 9	57.1%	88,744	2,113	335,932	335.93	<b>338.88</b>	62.62	16.91	3.26	<b>1,104.7</b>	<b>21,221</b>	181.8
8' 1	29' 8	57.2%	88,954	2,118	336,729	336.73	<b>339.69</b>	62.61	16.94	3.27	<b>1,110.8</b>	<b>21,268</b>	173.1
8' 2	29' 7	57.3%	89,163	2,123	337,520	337.52	<b>340.49</b>	62.61	16.98	3.28	<b>1,116.8</b>	<b>21,318</b>	166.2
8' 3	29' 6	57.5%	89,371	2,128	338,305	338.31	<b>341.28</b>	62.60	17.01	3.30	<b>1,126.2</b>	<b>21,364</b>	159.8

Tank		Ballast #1 PORT												
Specific Gravity		1.025												
Trim		0												
Capacity		155,542 Gallons												
Label(s)		Ball#1.p												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
8' 4	29' 5	57.6%	89,577	2,133	339,086	339.09	<b>342.07</b>	62.59	17.04	3.31	<b>1,132.3</b>	<b>21,410</b>	155.3	
8' 5	29' 4	57.7%	89,782	2,138	339,863	339.86	<b>342.85</b>	62.58	17.07	3.32	<b>1,138.3</b>	<b>21,456</b>	151.2	
8' 6	29' 3	57.9%	89,987	2,143	340,637	340.64	<b>343.63</b>	62.57	17.11	3.33	<b>1,144.3</b>	<b>21,501</b>	148.9	
8' 7	29' 2	58.0%	90,191	2,147	341,408	341.41	<b>344.41</b>	62.57	17.14	3.34	<b>1,150.3</b>	<b>21,550</b>	147.0	
8' 8	29' 1	58.1%	90,394	2,152	342,178	342.18	<b>345.19</b>	62.56	17.17	3.35	<b>1,156.4</b>	<b>21,595</b>	146.0	
8' 9	29' 0	58.2%	90,597	2,157	342,947	342.95	<b>345.96</b>	62.55	17.20	3.37	<b>1,165.9</b>	<b>21,640</b>	145.3	
8' 10	28' 11	58.4%	90,800	2,162	343,715	343.71	<b>346.74</b>	62.55	17.23	3.38	<b>1,172.0</b>	<b>21,689</b>	144.5	
8' 11	28' 10	58.5%	91,002	2,167	344,481	344.48	<b>347.51</b>	62.54	17.26	3.39	<b>1,178.1</b>	<b>21,733</b>	143.7	
9' 0	28' 9	58.6%	91,205	2,172	345,247	345.25	<b>348.28</b>	62.53	17.30	3.40	<b>1,184.2</b>	<b>21,778</b>	143.0	
9' 1	28' 8	58.8%	91,406	2,176	346,011	346.01	<b>349.05</b>	62.52	17.33	3.42	<b>1,193.8</b>	<b>21,823</b>	142.2	
9' 2	28' 7	58.9%	91,608	2,181	346,774	346.77	<b>349.82</b>	62.52	17.36	3.43	<b>1,199.9</b>	<b>21,871</b>	141.4	
9' 3	28' 6	59.0%	91,809	2,186	347,536	347.54	<b>350.59</b>	62.51	17.39	3.44	<b>1,206.0</b>	<b>21,915</b>	140.7	
9' 4	28' 5	59.2%	92,010	2,191	348,297	348.30	<b>351.36</b>	62.50	17.42	3.46	<b>1,215.7</b>	<b>21,960</b>	139.9	
9' 5	28' 4	59.3%	92,211	2,195	349,056	349.06	<b>352.12</b>	62.50	17.45	3.47	<b>1,221.9</b>	<b>22,008</b>	139.2	
9' 6	28' 3	59.4%	92,411	2,200	349,814	349.81	<b>352.89</b>	62.49	17.48	3.48	<b>1,228.1</b>	<b>22,052</b>	138.4	
9' 7	28' 2	59.5%	92,611	2,205	350,572	350.57	<b>353.65</b>	62.48	17.51	3.50	<b>1,237.8</b>	<b>22,096</b>	137.7	
9' 8	28' 1	59.7%	92,811	2,210	351,327	351.33	<b>354.42</b>	62.48	17.54	3.51	<b>1,244.0</b>	<b>22,144</b>	136.9	
9' 9	28' 0	59.8%	93,010	2,215	352,082	352.08	<b>355.18</b>	62.47	17.57	3.52	<b>1,250.2</b>	<b>22,188</b>	136.2	
9' 10	27' 11	59.9%	93,209	2,219	352,836	352.84	<b>355.94</b>	62.46	17.60	3.54	<b>1,260.0</b>	<b>22,232</b>	135.4	
9' 11	27' 10	60.1%	93,408	2,224	353,588	353.59	<b>356.70</b>	62.46	17.63	3.55	<b>1,266.3</b>	<b>22,279</b>	134.7	
10' 0	27' 9	60.2%	93,606	2,229	354,339	354.34	<b>357.45</b>	62.45	17.66	3.56	<b>1,272.5</b>	<b>22,323</b>	133.9	
10' 1	27' 8	60.3%	93,804	2,233	355,089	355.09	<b>358.21</b>	62.45	17.69	3.58	<b>1,282.4</b>	<b>22,370</b>	133.2	
10' 2	27' 7	60.4%	94,002	2,238	355,837	355.84	<b>358.96</b>	62.44	17.71	3.59	<b>1,288.7</b>	<b>22,413</b>	132.4	
10' 3	27' 6	60.6%	94,200	2,243	356,585	356.58	<b>359.72</b>	62.43	17.74	3.61	<b>1,298.6</b>	<b>22,457</b>	131.7	
10' 4	27' 5	60.7%	94,397	2,248	357,331	357.33	<b>360.47</b>	62.43	17.77	3.62	<b>1,304.9</b>	<b>22,504</b>	130.9	
10' 5	27' 4	60.8%	94,594	2,252	358,076	358.08	<b>361.22</b>	62.42	17.80	3.63	<b>1,311.2</b>	<b>22,547</b>	130.2	
10' 6	27' 3	60.9%	94,790	2,257	358,820	358.82	<b>361.97</b>	62.42	17.83	3.65	<b>1,321.2</b>	<b>22,594</b>	129.4	
10' 7	27' 2	61.1%	94,986	2,262	359,563	359.56	<b>362.72</b>	62.41	17.86	3.66	<b>1,327.6</b>	<b>22,637</b>	128.7	
10' 8	27' 1	61.2%	95,182	2,266	360,305	360.30	<b>363.47</b>	62.40	17.89	3.68	<b>1,337.6</b>	<b>22,681</b>	128.0	
10' 9	27' 0	61.3%	95,378	2,271	361,045	361.05	<b>364.22</b>	62.40	17.91	3.69	<b>1,344.0</b>	<b>22,727</b>	127.2	
10' 10	26' 11	61.4%	95,573	2,276	361,785	361.78	<b>364.96</b>	62.39	17.94	3.71	<b>1,354.0</b>	<b>22,770</b>	126.5	
10' 11	26' 10	61.6%	95,768	2,280	362,523	362.52	<b>365.71</b>	62.39	17.97	3.72	<b>1,360.4</b>	<b>22,817</b>	125.8	
11' 0	26' 9	61.7%	95,963	2,285	363,260	363.26	<b>366.45</b>	62.38	18.00	3.74	<b>1,370.5</b>	<b>22,859</b>	125.1	

Tank		Ballast #1 PORT											
Specific Gravity		1.025											
Trim		0											
Capacity		155,542 Gallons											
Label(s)		Ball#1.p											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
11' 1	26' 8	61.8%	96,158	2,289	363,996	364.0	<b>367.20</b>	62.38	18.02	3.75	<b>1,377.0</b>	<b>22,906</b>	124.4
11' 2	26' 7	61.9%	96,352	2,294	364,732	364.73	<b>367.94</b>	62.37	18.05	3.77	<b>1,387.1</b>	<b>22,948</b>	123.7
11' 3	26' 6	62.1%	96,546	2,299	365,466	365.47	<b>368.68</b>	62.37	18.08	3.78	<b>1,393.6</b>	<b>22,995</b>	123.0
11' 4	26' 5	62.2%	96,740	2,303	366,199	366.20	<b>369.42</b>	62.36	18.11	3.80	<b>1,403.8</b>	<b>23,037</b>	122.3
11' 5	26' 4	62.3%	96,933	2,308	366,931	366.93	<b>370.16</b>	62.36	18.13	3.81	<b>1,410.3</b>	<b>23,083</b>	121.6
11' 6	26' 3	62.4%	97,126	2,313	367,663	367.66	<b>370.89</b>	62.35	18.16	3.83	<b>1,420.5</b>	<b>23,125</b>	120.9
11' 7	26' 2	62.6%	97,319	2,317	368,393	368.39	<b>371.63</b>	62.35	18.19	3.84	<b>1,427.1</b>	<b>23,171</b>	120.2
11' 8	26' 1	62.7%	97,512	2,322	369,122	369.12	<b>372.37</b>	62.34	18.21	3.86	<b>1,437.3</b>	<b>23,214</b>	119.5
11' 9	26' 0	62.8%	97,704	2,326	369,851	369.85	<b>373.10</b>	62.34	18.24	3.87	<b>1,443.9</b>	<b>23,259</b>	118.9
11' 10	25' 11	62.9%	97,896	2,331	370,578	370.58	<b>373.84</b>	62.33	18.27	3.89	<b>1,454.2</b>	<b>23,301</b>	118.2
11' 11	25' 10	63.1%	98,088	2,335	371,305	371.30	<b>374.57</b>	62.33	18.29	3.91	<b>1,464.6</b>	<b>23,347</b>	117.6
12' 0	25' 9	63.2%	98,280	2,340	372,030	372.03	<b>375.30</b>	62.32	18.32	3.92	<b>1,471.2</b>	<b>23,389</b>	116.9
12' 1	25' 8	63.3%	98,472	2,345	372,755	372.76	<b>376.03</b>	62.32	18.34	3.94	<b>1,481.6</b>	<b>23,434</b>	116.2
12' 2	25' 7	63.4%	98,663	2,349	373,479	373.48	<b>376.76</b>	62.31	18.37	3.95	<b>1,488.2</b>	<b>23,476</b>	115.6
12' 3	25' 6	63.6%	98,854	2,354	374,202	374.20	<b>377.49</b>	62.31	18.40	3.97	<b>1,498.6</b>	<b>23,521</b>	115.0
12' 4	25' 5	63.7%	99,045	2,358	374,925	374.92	<b>378.22</b>	62.31	18.42	3.99	<b>1,509.1</b>	<b>23,567</b>	114.4
12' 5	25' 4	63.8%	99,235	2,363	375,646	375.65	<b>378.95</b>	62.30	18.45	4.00	<b>1,515.8</b>	<b>23,609</b>	113.8
12' 6	25' 3	63.9%	99,426	2,367	376,367	376.37	<b>379.67</b>	62.30	18.47	4.02	<b>1,526.3</b>	<b>23,653</b>	113.2
12' 7	25' 2	64.0%	99,616	2,372	377,087	377.09	<b>380.40</b>	62.29	18.50	4.04	<b>1,536.8</b>	<b>23,695</b>	112.6
12' 8	25' 1	64.2%	99,806	2,376	377,806	377.81	<b>381.13</b>	62.29	18.52	4.05	<b>1,543.6</b>	<b>23,741</b>	112.0
12' 9	25' 0	64.3%	99,996	2,381	378,525	378.52	<b>381.85</b>	62.29	18.55	4.07	<b>1,554.1</b>	<b>23,785</b>	111.4
12' 10	24' 11	64.4%	100,185	2,385	379,243	379.24	<b>382.58</b>	62.28	18.57	4.09	<b>1,564.8</b>	<b>23,827</b>	110.9
12' 11	24' 10	64.5%	100,375	2,390	379,960	379.96	<b>383.30</b>	62.28	18.60	4.10	<b>1,571.5</b>	<b>23,872</b>	110.3
13' 0	24' 9	64.7%	100,564	2,394	380,677	380.68	<b>384.02</b>	62.27	18.62	4.12	<b>1,582.2</b>	<b>23,913</b>	109.8
13' 1	24' 8	64.8%	100,753	2,399	381,392	381.39	<b>384.74</b>	62.27	18.65	4.14	<b>1,592.8</b>	<b>23,958</b>	109.2
13' 2	24' 7	64.9%	100,942	2,403	382,107	382.11	<b>385.47</b>	62.27	18.67	4.15	<b>1,599.7</b>	<b>24,003</b>	108.7
13' 3	24' 6	65.0%	101,131	2,408	382,822	382.82	<b>386.19</b>	62.26	18.70	4.17	<b>1,610.4</b>	<b>24,044</b>	108.2
13' 4	24' 5	65.1%	101,319	2,412	383,536	383.54	<b>386.91</b>	62.26	18.72	4.19	<b>1,621.2</b>	<b>24,089</b>	107.7
13' 5	24' 4	65.3%	101,508	2,417	384,249	384.25	<b>387.63</b>	62.26	18.75	4.20	<b>1,628.0</b>	<b>24,134</b>	107.2
13' 6	24' 3	65.4%	101,696	2,421	384,962	384.96	<b>388.35</b>	62.25	18.77	4.22	<b>1,638.8</b>	<b>24,175</b>	106.8
13' 7	24' 2	65.5%	101,884	2,426	385,674	385.67	<b>389.06</b>	62.25	18.79	4.24	<b>1,649.6</b>	<b>24,219</b>	106.3
13' 8	24' 1	65.6%	102,072	2,430	386,386	386.39	<b>389.78</b>	62.25	18.82	4.26	<b>1,660.5</b>	<b>24,264</b>	105.9
13' 9	24' 0	65.7%	102,260	2,435	387,098	387.10	<b>390.50</b>	62.24	18.84	4.27	<b>1,667.4</b>	<b>24,305</b>	105.4

Tank		Ballast #1 PORT												
Specific Gravity		1.025												
Trim		0												
Capacity		155,542 Gallons												
Label(s)		Ball#1.p												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
13' 10	23' 11	65.9%	102,448	2,439	387,808	387.81	<b>391.22</b>	62.24	18.87	4.29	<b>1,678.3</b>	<b>24,350</b>	105.0	
13' 11	23' 10	66.0%	102,636	2,444	388,519	388.52	<b>391.93</b>	62.24	18.89	4.31	<b>1,689.2</b>	<b>24,394</b>	104.6	
14' 0	23' 9	66.1%	102,823	2,448	389,229	389.23	<b>392.65</b>	62.23	18.91	4.33	<b>1,700.2</b>	<b>24,435</b>	104.2	
14' 1	23' 8	66.2%	103,011	2,453	389,938	389.94	<b>393.37</b>	62.23	18.94	4.35	<b>1,711.2</b>	<b>24,479</b>	103.8	
14' 2	23' 7	66.3%	103,198	2,457	390,648	390.65	<b>394.08</b>	62.23	18.96	4.36	<b>1,718.2</b>	<b>24,524</b>	103.5	
14' 3	23' 6	66.5%	103,385	2,462	391,356	391.36	<b>394.80</b>	62.22	18.98	4.38	<b>1,729.2</b>	<b>24,564</b>	103.2	
14' 4	23' 5	66.6%	103,573	2,466	392,065	392.06	<b>395.51</b>	62.22	19.01	4.40	<b>1,740.2</b>	<b>24,609</b>	102.8	
14' 5	23' 4	66.7%	103,760	2,470	392,773	392.77	<b>396.23</b>	62.22	19.03	4.42	<b>1,751.3</b>	<b>24,653</b>	102.5	
14' 6	23' 3	66.8%	103,947	2,475	393,481	393.48	<b>396.94</b>	62.21	19.05	4.44	<b>1,762.4</b>	<b>24,694</b>	102.2	
14' 7	23' 2	66.9%	104,134	2,479	394,189	394.19	<b>397.65</b>	62.21	19.08	4.45	<b>1,769.5</b>	<b>24,738</b>	102.0	
14' 8	23' 1	67.1%	104,321	2,484	394,896	394.90	<b>398.37</b>	62.21	19.10	4.47	<b>1,780.7</b>	<b>24,783</b>	101.7	
14' 9	23' 0	67.2%	104,507	2,488	395,603	395.60	<b>399.08</b>	62.21	19.12	4.49	<b>1,791.9</b>	<b>24,827</b>	101.4	
14' 10	22' 11	67.3%	104,694	2,493	396,310	396.31	<b>399.79</b>	62.20	19.15	4.51	<b>1,803.1</b>	<b>24,867</b>	101.2	
14' 11	22' 10	67.4%	104,881	2,497	397,017	397.02	<b>400.51</b>	62.20	19.17	4.53	<b>1,814.3</b>	<b>24,912</b>	101.1	
15' 0	22' 9	67.5%	105,067	2,502	397,723	397.72	<b>401.22</b>	62.20	19.19	4.55	<b>1,825.6</b>	<b>24,956</b>	100.9	
15' 1	22' 8	67.7%	105,254	2,506	398,429	398.43	<b>401.93</b>	62.20	19.21	4.57	<b>1,836.8</b>	<b>25,000</b>	100.7	
15' 2	22' 7	67.8%	105,441	2,510	399,136	399.14	<b>402.64</b>	62.19	19.24	4.58	<b>1,844.1</b>	<b>25,040</b>	100.6	
15' 3	22' 6	67.9%	105,627	2,515	399,842	399.84	<b>403.36</b>	62.19	19.26	4.60	<b>1,855.5</b>	<b>25,085</b>	100.5	
15' 4	22' 5	68.0%	105,814	2,519	400,548	400.55	<b>404.07</b>	62.19	19.28	4.62	<b>1,866.8</b>	<b>25,129</b>	100.4	
15' 5	22' 4	68.1%	106,000	2,524	401,254	401.25	<b>404.78</b>	62.18	19.30	4.64	<b>1,878.2</b>	<b>25,169</b>	100.4	
15' 6	22' 3	68.3%	106,187	2,528	401,960	401.96	<b>405.49</b>	62.18	19.32	4.66	<b>1,889.6</b>	<b>25,213</b>	100.3	
15' 7	22' 2	68.4%	106,373	2,533	402,666	402.67	<b>406.20</b>	62.18	19.35	4.68	<b>1,901.0</b>	<b>25,258</b>	100.3	
15' 8	22' 1	68.5%	106,560	2,537	403,372	403.37	<b>406.92</b>	62.18	19.37	4.70	<b>1,912.5</b>	<b>25,302</b>	100.3	
15' 9	22' 0	68.6%	106,746	2,542	404,078	404.08	<b>407.63</b>	62.17	19.39	4.72	<b>1,924.0</b>	<b>25,342</b>	100.3	
15' 10	21' 11	68.7%	106,933	2,546	404,784	404.78	<b>408.34</b>	62.17	19.41	4.74	<b>1,935.5</b>	<b>25,386</b>	100.3	
15' 11	21' 10	68.9%	107,119	2,550	405,490	405.49	<b>409.05</b>	62.17	19.43	4.76	<b>1,947.1</b>	<b>25,431</b>	100.3	
16' 0	21' 9	69.0%	107,306	2,555	406,196	406.20	<b>409.77</b>	62.17	19.46	4.78	<b>1,958.7</b>	<b>25,475</b>	100.3	
16' 1	21' 8	69.1%	107,492	2,559	406,901	406.90	<b>410.48</b>	62.16	19.48	4.80	<b>1,970.3</b>	<b>25,515</b>	100.3	
16' 2	21' 7	69.2%	107,679	2,564	407,607	407.61	<b>411.19</b>	62.16	19.50	4.82	<b>1,981.9</b>	<b>25,560</b>	100.3	
16' 3	21' 6	69.3%	107,865	2,568	408,313	408.31	<b>411.90</b>	62.16	19.52	4.84	<b>1,993.6</b>	<b>25,604</b>	100.3	
16' 4	21' 5	69.5%	108,051	2,573	409,019	409.02	<b>412.61</b>	62.16	19.54	4.86	<b>2,005.3</b>	<b>25,648</b>	100.3	
16' 5	21' 4	69.6%	108,238	2,577	409,725	409.73	<b>413.33</b>	62.15	19.56	4.88	<b>2,017.1</b>	<b>25,688</b>	100.3	
16' 6	21' 3	69.7%	108,424	2,582	410,431	410.43	<b>414.04</b>	62.15	19.58	4.90	<b>2,028.8</b>	<b>25,733</b>	100.3	



Tank		Ballast #1 PORT												
Specific Gravity		1.025												
Trim		0												
Capacity		155,542 Gallons												
Label(s)		Ball#1.p												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
16' 7	21' 2	69.8%	108,611	2,586	411,137	411.14	<b>414.75</b>	62.15	19.61	4.92	<b>2,040.6</b>	<b>25,777</b>	100.3	
16' 8	21' 1	69.9%	108,797	2,590	411,843	411.84	<b>415.46</b>	62.15	19.63	4.94	<b>2,052.4</b>	<b>25,821</b>	100.3	
16' 9	21' 0	70.1%	108,984	2,595	412,549	412.55	<b>416.17</b>	62.14	19.65	4.96	<b>2,064.2</b>	<b>25,861</b>	100.3	
16' 10	20' 11	70.2%	109,170	2,599	413,255	413.25	<b>416.89</b>	62.14	19.67	4.98	<b>2,076.1</b>	<b>25,906</b>	100.3	
16' 11	20' 10	70.3%	109,357	2,604	413,961	413.96	<b>417.60</b>	62.14	19.69	5.00	<b>2,088.0</b>	<b>25,950</b>	100.3	
17' 0	20' 9	70.4%	109,543	2,608	414,667	414.67	<b>418.31</b>	62.14	19.71	5.02	<b>2,099.9</b>	<b>25,994</b>	100.3	
17' 1	20' 8	70.5%	109,730	2,613	415,373	415.37	<b>419.02</b>	62.13	19.73	5.04	<b>2,111.9</b>	<b>26,034</b>	100.3	
17' 2	20' 7	70.7%	109,916	2,617	416,079	416.08	<b>419.74</b>	62.13	19.75	5.06	<b>2,123.9</b>	<b>26,078</b>	100.3	
17' 3	20' 6	70.8%	110,103	2,621	416,785	416.78	<b>420.45</b>	62.13	19.77	5.08	<b>2,135.9</b>	<b>26,123</b>	100.3	
17' 4	20' 5	70.9%	110,289	2,626	417,490	417.49	<b>421.16</b>	62.13	19.79	5.10	<b>2,147.9</b>	<b>26,167</b>	100.3	
17' 5	20' 4	71.0%	110,476	2,630	418,197	418.20	<b>421.87</b>	62.12	19.81	5.12	<b>2,160.0</b>	<b>26,207</b>	100.3	
17' 6	20' 3	71.1%	110,662	2,635	418,902	418.90	<b>422.58</b>	62.12	19.83	5.14	<b>2,172.1</b>	<b>26,251</b>	100.3	
17' 7	20' 2	71.3%	110,849	2,639	419,608	419.61	<b>423.30</b>	62.12	19.85	5.16	<b>2,184.2</b>	<b>26,295</b>	100.3	
17' 8	20' 1	71.4%	111,035	2,644	420,315	420.31	<b>424.01</b>	62.12	19.87	5.19	<b>2,200.6</b>	<b>26,340</b>	100.3	
17' 9	20' 0	71.5%	111,222	2,648	421,020	421.02	<b>424.72</b>	62.11	19.89	5.21	<b>2,212.8</b>	<b>26,379</b>	100.3	
17' 10	19' 11	71.6%	111,408	2,653	421,726	421.73	<b>425.43</b>	62.11	19.92	5.23	<b>2,225.0</b>	<b>26,423</b>	100.3	
17' 11	19' 10	71.7%	111,595	2,657	422,432	422.43	<b>426.15</b>	62.11	19.94	5.25	<b>2,237.3</b>	<b>26,468</b>	100.3	
18' 0	19' 9	71.9%	111,781	2,661	423,138	423.14	<b>426.86</b>	62.11	19.96	5.27	<b>2,249.6</b>	<b>26,512</b>	100.3	
18' 1	19' 8	72.0%	111,968	2,666	423,844	423.84	<b>427.57</b>	62.10	19.98	5.29	<b>2,261.8</b>	<b>26,552</b>	100.3	
18' 2	19' 7	72.1%	112,154	2,670	424,550	424.55	<b>428.28</b>	62.10	19.99	5.31	<b>2,274.2</b>	<b>26,596</b>	100.3	
18' 3	19' 6	72.2%	112,341	2,675	425,257	425.26	<b>428.99</b>	62.10	20.01	5.34	<b>2,290.8</b>	<b>26,640</b>	100.3	
18' 4	19' 5	72.3%	112,527	2,679	425,962	425.96	<b>429.71</b>	62.10	20.03	5.36	<b>2,303.2</b>	<b>26,685</b>	100.3	
18' 5	19' 4	72.5%	112,714	2,684	426,669	426.67	<b>430.42</b>	62.09	20.05	5.38	<b>2,315.7</b>	<b>26,725</b>	100.3	
18' 6	19' 3	72.6%	112,900	2,688	427,375	427.37	<b>431.13</b>	62.09	20.07	5.40	<b>2,328.1</b>	<b>26,769</b>	100.3	
18' 7	19' 2	72.7%	113,087	2,693	428,080	428.08	<b>431.84</b>	62.09	20.09	5.42	<b>2,340.6</b>	<b>26,813</b>	100.3	
18' 8	19' 1	72.8%	113,273	2,697	428,786	428.79	<b>432.55</b>	62.09	20.11	5.44	<b>2,353.1</b>	<b>26,857</b>	100.3	
18' 9	19' 0	72.9%	113,460	2,701	429,492	429.49	<b>433.27</b>	62.08	20.13	5.47	<b>2,370.0</b>	<b>26,897</b>	100.3	
18' 10	18' 11	73.1%	113,646	2,706	430,198	430.20	<b>433.98</b>	62.08	20.15	5.49	<b>2,382.6</b>	<b>26,941</b>	100.3	
18' 11	18' 10	73.2%	113,833	2,710	430,904	430.90	<b>434.69</b>	62.08	20.17	5.51	<b>2,395.1</b>	<b>26,986</b>	100.3	
19' 0	18' 9	73.3%	114,019	2,715	431,610	431.61	<b>435.40</b>	62.08	20.19	5.53	<b>2,407.8</b>	<b>27,030</b>	100.3	
19' 1	18' 8	73.4%	114,206	2,719	432,316	432.32	<b>436.12</b>	62.08	20.21	5.55	<b>2,420.5</b>	<b>27,074</b>	100.3	
19' 2	18' 7	73.5%	114,392	2,724	433,022	433.02	<b>436.83</b>	62.07	20.23	5.58	<b>2,437.5</b>	<b>27,114</b>	100.3	
19' 3	18' 6	73.7%	114,579	2,728	433,728	433.73	<b>437.54</b>	62.07	20.25	5.60	<b>2,450.2</b>	<b>27,158</b>	100.3	

Tank		Ballast #1 PORT												
Specific Gravity		1.025												
Trim		0												
Capacity		155,542 Gallons												
Label(s)		Ball#1.p												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
19' 4	18' 5	73.8%	114,765	2,733	434,434	434.43	<b>438.25</b>	62.07	20.27	5.62	<b>2,463.0</b>	<b>27,202</b>	100.3	
19' 5	18' 4	73.9%	114,952	2,737	435,140	435.14	<b>438.96</b>	62.07	20.29	5.64	<b>2,475.7</b>	<b>27,246</b>	100.3	
19' 6	18' 3	74.0%	115,138	2,741	435,846	435.85	<b>439.68</b>	62.06	20.30	5.67	<b>2,493.0</b>	<b>27,287</b>	100.3	
19' 7	18' 2	74.1%	115,325	2,746	436,553	436.55	<b>440.39</b>	62.06	20.32	5.69	<b>2,505.8</b>	<b>27,331</b>	100.3	
19' 8	18' 1	74.3%	115,512	2,750	437,259	437.26	<b>441.10</b>	62.06	20.34	5.71	<b>2,518.7</b>	<b>27,375</b>	100.3	
19' 9	18' 0	74.4%	115,698	2,755	437,965	437.96	<b>441.81</b>	62.06	20.36	5.73	<b>2,531.6</b>	<b>27,419</b>	100.3	
19' 10	17' 11	74.5%	115,885	2,759	438,671	438.67	<b>442.53</b>	62.06	20.38	5.76	<b>2,549.0</b>	<b>27,463</b>	100.3	
19' 11	17' 10	74.6%	116,071	2,764	439,377	439.38	<b>443.24</b>	62.05	20.40	5.78	<b>2,561.9</b>	<b>27,503</b>	100.3	
20' 0	17' 9	74.7%	116,258	2,768	440,083	440.08	<b>443.95</b>	62.05	20.42	5.80	<b>2,574.9</b>	<b>27,547</b>	100.3	
20' 1	17' 8	74.9%	116,444	2,772	440,789	440.79	<b>444.66</b>	62.05	20.43	5.83	<b>2,592.4</b>	<b>27,591</b>	100.3	
20' 2	17' 7	75.0%	116,631	2,777	441,495	441.49	<b>445.38</b>	62.05	20.45	5.85	<b>2,605.5</b>	<b>27,636</b>	100.3	
20' 3	17' 6	75.1%	116,817	2,781	442,201	442.20	<b>446.09</b>	62.04	20.47	5.87	<b>2,618.5</b>	<b>27,675</b>	100.3	
20' 4	17' 5	75.2%	117,004	2,786	442,907	442.91	<b>446.80</b>	62.04	20.49	5.90	<b>2,636.1</b>	<b>27,719</b>	100.3	
20' 5	17' 4	75.3%	117,190	2,790	443,613	443.61	<b>447.51</b>	62.04	20.51	5.92	<b>2,649.3</b>	<b>27,764</b>	100.3	
20' 6	17' 3	75.5%	117,377	2,795	444,319	444.32	<b>448.22</b>	62.04	20.53	5.94	<b>2,662.4</b>	<b>27,808</b>	100.3	
20' 7	17' 2	75.6%	117,563	2,799	445,025	445.03	<b>448.94</b>	62.04	20.54	5.97	<b>2,680.2</b>	<b>27,852</b>	100.3	
20' 8	17' 1	75.7%	117,750	2,804	445,731	445.73	<b>449.65</b>	62.03	20.56	5.99	<b>2,693.4</b>	<b>27,892</b>	100.3	
20' 9	17' 0	75.8%	117,936	2,808	446,437	446.44	<b>450.36</b>	62.03	20.58	6.01	<b>2,706.7</b>	<b>27,936</b>	100.3	
20' 10	16' 11	75.9%	118,123	2,812	447,143	447.14	<b>451.07</b>	62.03	20.60	6.04	<b>2,724.5</b>	<b>27,980</b>	100.3	
20' 11	16' 10	76.1%	118,309	2,817	447,849	447.85	<b>451.79</b>	62.03	20.62	6.06	<b>2,737.8</b>	<b>28,025</b>	100.3	
21' 0	16' 9	76.2%	118,496	2,821	448,555	448.56	<b>452.50</b>	62.02	20.63	6.08	<b>2,751.2</b>	<b>28,064</b>	100.3	
21' 1	16' 8	76.3%	118,682	2,826	449,261	449.26	<b>453.21</b>	62.02	20.65	6.11	<b>2,769.1</b>	<b>28,108</b>	100.3	
21' 2	16' 7	76.4%	118,869	2,830	449,967	449.97	<b>453.92</b>	62.02	20.67	6.13	<b>2,782.5</b>	<b>28,152</b>	100.3	
21' 3	16' 6	76.5%	119,055	2,835	450,673	450.67	<b>454.63</b>	62.02	20.69	6.15	<b>2,796.0</b>	<b>28,196</b>	100.3	
21' 4	16' 5	76.7%	119,242	2,839	451,380	451.38	<b>455.35</b>	62.02	20.70	6.18	<b>2,814.1</b>	<b>28,241</b>	100.3	
21' 5	16' 4	76.8%	119,428	2,844	452,086	452.09	<b>456.06</b>	62.01	20.72	6.20	<b>2,827.6</b>	<b>28,280</b>	100.3	
21' 6	16' 3	76.9%	119,615	2,848	452,792	452.79	<b>456.77</b>	62.01	20.74	6.23	<b>2,845.7</b>	<b>28,324</b>	100.3	
21' 7	16' 2	77.0%	119,801	2,852	453,498	453.50	<b>457.48</b>	62.01	20.76	6.25	<b>2,859.3</b>	<b>28,368</b>	100.3	
21' 8	16' 1	77.1%	119,988	2,857	454,204	454.20	<b>458.20</b>	62.01	20.77	6.27	<b>2,872.9</b>	<b>28,413</b>	100.3	
21' 9	16' 0	77.3%	120,175	2,861	454,910	454.91	<b>458.91</b>	62.01	20.79	6.30	<b>2,891.1</b>	<b>28,457</b>	100.3	
21' 10	15' 11	77.4%	120,361	2,866	455,616	455.62	<b>459.62</b>	62.00	20.81	6.32	<b>2,904.8</b>	<b>28,496</b>	100.3	
21' 11	15' 10	77.5%	120,548	2,870	456,322	456.32	<b>460.33</b>	62.00	20.83	6.35	<b>2,923.1</b>	<b>28,540</b>	100.3	
22' 0	15' 9	77.6%	120,734	2,875	457,028	457.03	<b>461.05</b>	62.00	20.84	6.37	<b>2,936.9</b>	<b>28,585</b>	100.3	

Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
22' 1	15' 8	77.7%	120,921	2,879	457,734	457.73	<b>461.76</b>	62.00	20.86	6.40	<b>2,955.3</b>	<b>28,629</b>	100.3
22' 2	15' 7	77.9%	121,107	2,884	458,440	458.44	<b>462.47</b>	62.00	20.88	6.42	<b>2,969.1</b>	<b>28,673</b>	100.3
22' 3	15' 6	78.0%	121,294	2,888	459,147	459.15	<b>463.18</b>	61.99	20.89	6.44	<b>2,982.9</b>	<b>28,713</b>	100.3
22' 4	15' 5	78.1%	121,480	2,892	459,853	459.85	<b>463.89</b>	61.99	20.91	6.47	<b>3,001.4</b>	<b>28,757</b>	100.3
22' 5	15' 4	78.2%	121,667	2,897	460,559	460.56	<b>464.61</b>	61.99	20.93	6.49	<b>3,015.3</b>	<b>28,801</b>	100.3
22' 6	15' 3	78.3%	121,853	2,901	461,265	461.26	<b>465.32</b>	61.99	20.94	6.52	<b>3,033.9</b>	<b>28,845</b>	100.3
22' 7	15' 2	78.5%	122,040	2,906	461,971	461.97	<b>466.03</b>	61.99	20.96	6.54	<b>3,047.8</b>	<b>28,889</b>	100.3
22' 8	15' 1	78.6%	122,226	2,910	462,677	462.68	<b>466.74</b>	61.98	20.98	6.57	<b>3,066.5</b>	<b>28,929</b>	100.3
22' 9	15' 0	78.7%	122,413	2,915	463,383	463.38	<b>467.46</b>	61.98	20.99	6.59	<b>3,080.6</b>	<b>28,973</b>	100.3
22' 10	14' 11	78.8%	122,599	2,919	464,089	464.09	<b>468.17</b>	61.98	21.01	6.62	<b>3,099.3</b>	<b>29,017</b>	100.3
22' 11	14' 10	78.9%	122,786	2,923	464,795	464.80	<b>468.88</b>	61.98	21.03	6.64	<b>3,113.4</b>	<b>29,061</b>	100.3
23' 0	14' 9	79.1%	122,973	2,928	465,502	465.50	<b>469.59</b>	61.98	21.04	6.67	<b>3,132.2</b>	<b>29,105</b>	100.3
23' 1	14' 8	79.2%	123,159	2,932	466,208	466.21	<b>470.30</b>	61.97	21.06	6.69	<b>3,146.3</b>	<b>29,144</b>	100.3
23' 2	14' 7	79.3%	123,346	2,937	466,914	466.91	<b>471.02</b>	61.97	21.08	6.72	<b>3,165.3</b>	<b>29,189</b>	100.3
23' 3	14' 6	79.4%	123,532	2,941	467,620	467.62	<b>471.73</b>	61.97	21.09	6.74	<b>3,179.5</b>	<b>29,233</b>	100.3
23' 4	14' 5	79.5%	123,719	2,946	468,326	468.33	<b>472.44</b>	61.97	21.11	6.77	<b>3,198.4</b>	<b>29,277</b>	100.3
23' 5	14' 4	79.7%	123,905	2,950	469,032	469.03	<b>473.15</b>	61.97	21.13	6.79	<b>3,212.7</b>	<b>29,321</b>	100.3
23' 6	14' 3	79.8%	124,092	2,955	469,738	469.74	<b>473.87</b>	61.96	21.14	6.82	<b>3,231.8</b>	<b>29,361</b>	100.3
23' 7	14' 2	79.9%	124,278	2,959	470,444	470.44	<b>474.58</b>	61.96	21.16	6.84	<b>3,246.1</b>	<b>29,405</b>	100.3
23' 8	14' 1	80.0%	124,465	2,963	471,151	471.15	<b>475.29</b>	61.96	21.17	6.87	<b>3,265.2</b>	<b>29,449</b>	100.3
23' 9	14' 0	80.1%	124,651	2,968	471,856	471.86	<b>476.0</b>	61.96	21.19	6.89	<b>3,279.6</b>	<b>29,493</b>	100.3
23' 10	13' 11	80.3%	124,838	2,972	472,562	472.56	<b>476.72</b>	61.96	21.21	6.92	<b>3,298.9</b>	<b>29,538</b>	100.3
23' 11	13' 10	80.4%	125,024	2,977	473,269	473.27	<b>477.43</b>	61.95	21.22	6.94	<b>3,313.4</b>	<b>29,577</b>	100.3
24' 0	13' 9	80.5%	125,211	2,981	473,975	473.97	<b>478.14</b>	61.95	21.24	6.97	<b>3,332.6</b>	<b>29,621</b>	100.3
24' 1	13' 8	80.6%	125,398	2,986	474,681	474.68	<b>478.85</b>	61.95	21.25	6.99	<b>3,347.2</b>	<b>29,665</b>	100.3
24' 2	13' 7	80.7%	125,584	2,990	475,387	475.39	<b>479.57</b>	61.95	21.27	7.02	<b>3,366.6</b>	<b>29,709</b>	100.3
24' 3	13' 6	80.9%	125,771	2,995	476,093	476.09	<b>480.28</b>	61.95	21.29	7.05	<b>3,386.0</b>	<b>29,753</b>	100.3
24' 4	13' 5	81.0%	125,957	2,999	476,799	476.80	<b>480.99</b>	61.94	21.30	7.07	<b>3,400.6</b>	<b>29,793</b>	100.3
24' 5	13' 4	81.1%	126,144	3,003	477,506	477.51	<b>481.70</b>	61.94	21.32	7.10	<b>3,420.1</b>	<b>29,836</b>	100.3
24' 6	13' 3	81.2%	126,330	3,008	478,212	478.21	<b>482.41</b>	61.94	21.33	7.12	<b>3,434.8</b>	<b>29,880</b>	100.3
24' 7	13' 2	81.3%	126,517	3,012	478,918	478.92	<b>483.13</b>	61.94	21.35	7.15	<b>3,454.4</b>	<b>29,925</b>	100.3
24' 8	13' 1	81.5%	126,703	3,017	479,624	479.62	<b>483.84</b>	61.94	21.36	7.17	<b>3,469.1</b>	<b>29,969</b>	100.3
24' 9	13' 0	81.6%	126,890	3,021	480,331	480.33	<b>484.55</b>	61.93	21.38	7.20	<b>3,488.8</b>	<b>30,008</b>	100.3

Tank		Ballast #1 PORT												
Specific Gravity		1.025												
Trim		0												
Capacity		155,542 Gallons												
Label(s)		Ball#1.p												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
24' 10	12' 11	81.7%	127,076	3,026	481,037	481.04	<b>485.26</b>	61.93	21.40	7.23	<b>3,508.4</b>	<b>30,052</b>	100.3	
24' 11	12' 10	81.8%	127,263	3,030	481,742	481.74	<b>485.98</b>	61.93	21.41	7.25	<b>3,523.4</b>	<b>30,097</b>	100.3	
25' 0	12' 9	81.9%	127,450	3,035	482,449	482.45	<b>486.69</b>	61.93	21.43	7.28	<b>3,543.1</b>	<b>30,141</b>	100.3	
25' 1	12' 8	82.1%	127,636	3,039	483,155	483.15	<b>487.40</b>	61.93	21.44	7.30	<b>3,558.0</b>	<b>30,185</b>	100.3	
25' 2	12' 7	82.2%	127,823	3,043	483,861	483.86	<b>488.11</b>	61.93	21.46	7.33	<b>3,577.8</b>	<b>30,229</b>	100.3	
25' 3	12' 6	82.3%	128,009	3,048	484,568	484.57	<b>488.83</b>	61.92	21.47	7.36	<b>3,597.8</b>	<b>30,268</b>	100.3	
25' 4	12' 5	82.4%	128,196	3,052	485,274	485.27	<b>489.54</b>	61.92	21.49	7.38	<b>3,612.8</b>	<b>30,312</b>	100.3	
25' 5	12' 4	82.5%	128,382	3,057	485,980	485.98	<b>490.25</b>	61.92	21.50	7.41	<b>3,632.8</b>	<b>30,356</b>	100.3	
25' 6	12' 3	82.7%	128,569	3,061	486,686	486.69	<b>490.96</b>	61.92	21.52	7.44	<b>3,652.7</b>	<b>30,400</b>	100.3	
25' 7	12' 2	82.8%	128,755	3,066	487,392	487.39	<b>491.68</b>	61.92	21.53	7.46	<b>3,667.9</b>	<b>30,445</b>	100.3	
25' 8	12' 1	82.9%	128,942	3,070	488,098	488.10	<b>492.39</b>	61.91	21.55	7.49	<b>3,688.0</b>	<b>30,484</b>	100.3	
25' 9	12' 0	83.0%	129,129	3,074	488,805	488.80	<b>493.10</b>	61.91	21.56	7.52	<b>3,708.1</b>	<b>30,528</b>	100.3	
25' 10	11' 11	83.1%	129,315	3,079	489,511	489.51	<b>493.81</b>	61.91	21.58	7.54	<b>3,723.3</b>	<b>30,572</b>	100.3	
25' 11	11' 10	83.3%	129,502	3,083	490,217	490.22	<b>494.53</b>	61.91	21.59	7.57	<b>3,743.6</b>	<b>30,616</b>	100.3	
26' 0	11' 9	83.4%	129,688	3,088	490,923	490.92	<b>495.24</b>	61.91	21.61	7.60	<b>3,763.8</b>	<b>30,660</b>	100.3	
26' 1	11' 8	83.5%	129,875	3,092	491,629	491.63	<b>495.95</b>	61.91	21.62	7.62	<b>3,779.1</b>	<b>30,704</b>	100.3	
26' 2	11' 7	83.6%	130,061	3,097	492,336	492.34	<b>496.66</b>	61.90	21.64	7.65	<b>3,799.4</b>	<b>30,743</b>	100.3	
26' 3	11' 6	83.7%	130,248	3,101	493,042	493.04	<b>497.37</b>	61.90	21.65	7.68	<b>3,819.8</b>	<b>30,787</b>	100.3	
26' 4	11' 5	83.9%	130,434	3,106	493,748	493.75	<b>498.09</b>	61.90	21.67	7.70	<b>3,835.3</b>	<b>30,832</b>	100.3	
26' 5	11' 4	84.0%	130,621	3,110	494,454	494.45	<b>498.80</b>	61.90	21.68	7.73	<b>3,855.7</b>	<b>30,876</b>	100.3	
26' 6	11' 3	84.1%	130,808	3,114	495,160	495.16	<b>499.51</b>	61.90	21.70	7.76	<b>3,876.2</b>	<b>30,920</b>	100.3	
26' 7	11' 2	84.2%	130,994	3,119	495,866	495.87	<b>500.22</b>	61.90	21.71	7.78	<b>3,891.7</b>	<b>30,964</b>	100.3	
26' 8	11' 1	84.3%	131,181	3,123	496,573	496.57	<b>500.94</b>	61.89	21.73	7.81	<b>3,912.3</b>	<b>31,003</b>	100.3	
26' 9	11' 0	84.5%	131,367	3,128	497,279	497.28	<b>501.65</b>	61.89	21.74	7.84	<b>3,932.9</b>	<b>31,047</b>	100.3	
26' 10	10' 11	84.6%	131,554	3,132	497,985	497.99	<b>502.36</b>	61.89	21.75	7.86	<b>3,948.5</b>	<b>31,091</b>	100.3	
26' 11	10' 10	84.7%	131,740	3,137	498,691	498.69	<b>503.07</b>	61.89	21.77	7.89	<b>3,969.2</b>	<b>31,135</b>	100.3	
27' 0	10' 9	84.8%	131,927	3,141	499,398	499.40	<b>503.79</b>	61.89	21.78	7.92	<b>3,990.0</b>	<b>31,180</b>	100.3	
27' 1	10' 8	84.9%	132,113	3,146	500,104	500.10	<b>504.50</b>	61.89	21.80	7.94	<b>4,005.7</b>	<b>31,224</b>	100.3	
27' 2	10' 7	85.1%	132,300	3,150	500,810	500.81	<b>505.21</b>	61.88	21.81	7.97	<b>4,026.5</b>	<b>31,262</b>	100.3	
27' 3	10' 6	85.2%	132,487	3,154	501,516	501.52	<b>505.92</b>	61.88	21.83	8.00	<b>4,047.4</b>	<b>31,306</b>	100.3	
27' 4	10' 5	85.3%	132,673	3,159	502,222	502.22	<b>506.64</b>	61.88	21.84	8.03	<b>4,068.3</b>	<b>31,351</b>	100.3	
27' 5	10' 4	85.4%	132,860	3,163	502,929	502.93	<b>507.35</b>	61.88	21.85	8.05	<b>4,084.2</b>	<b>31,395</b>	100.3	
27' 6	10' 3	85.5%	133,046	3,168	503,635	503.64	<b>508.06</b>	61.88	21.87	8.08	<b>4,105.1</b>	<b>31,439</b>	100.3	

Tank		Ballast #1 PORT												
Specific Gravity		1.025												
Trim		0												
Capacity		155,542 Gallons												
Label(s)		Ball#1.p												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
27' 7	10' 2	85.7%	133,233	3,172	504,341	504.34	508.77	61.87	21.88	8.11	4,126.1	31,478	100.3	
27' 8	10' 1	85.8%	133,419	3,177	505,047	505.05	509.49	61.87	21.90	8.14	4,147.2	31,522	100.3	
27' 9	10' 0	85.9%	133,606	3,181	505,754	505.75	510.20	61.87	21.91	8.16	4,163.2	31,566	100.3	
27' 10	9' 11	86.0%	133,793	3,186	506,460	506.46	510.91	61.87	21.92	8.19	4,184.4	31,610	100.3	
27' 11	9' 10	86.1%	133,979	3,190	507,166	507.17	511.62	61.87	21.94	8.22	4,205.5	31,654	100.3	
28' 0	9' 9	86.3%	134,166	3,194	507,872	507.87	512.34	61.87	21.95	8.25	4,226.8	31,698	100.3	
28' 1	9' 8	86.4%	134,352	3,199	508,579	508.58	513.05	61.86	21.97	8.27	4,242.9	31,737	100.3	
28' 2	9' 7	86.5%	134,539	3,203	509,285	509.28	513.76	61.86	21.98	8.30	4,264.2	31,781	100.3	
28' 3	9' 6	86.6%	134,725	3,208	509,991	509.99	514.47	61.86	21.99	8.33	4,285.5	31,825	100.3	
28' 4	9' 5	86.7%	134,912	3,212	510,697	510.70	515.19	61.86	22.01	8.36	4,307.0	31,870	100.3	
28' 5	9' 4	86.9%	135,099	3,217	511,403	511.40	515.90	61.86	22.02	8.38	4,323.2	31,914	100.3	
28' 6	9' 3	87.0%	135,285	3,221	512,110	512.11	516.61	61.86	22.03	8.41	4,344.7	31,957	100.3	
28' 7	9' 2	87.1%	135,472	3,226	512,816	512.82	517.32	61.85	22.05	8.44	4,366.2	31,996	100.3	
28' 8	9' 1	87.2%	135,658	3,230	513,523	513.52	518.04	61.85	22.06	8.47	4,387.8	32,041	100.3	
28' 9	9' 0	87.3%	135,845	3,234	514,229	514.23	518.75	61.85	22.08	8.50	4,409.4	32,085	100.3	
28' 10	8' 11	87.5%	136,031	3,239	514,935	514.93	519.46	61.85	22.09	8.52	4,425.8	32,129	100.3	
28' 11	8' 10	87.6%	136,218	3,243	515,641	515.64	520.17	61.85	22.10	8.55	4,447.5	32,173	100.3	
29' 0	8' 9	87.7%	136,405	3,248	516,348	516.35	520.89	61.85	22.12	8.58	4,469.2	32,217	100.3	
29' 1	8' 8	87.8%	136,591	3,252	517,054	517.05	521.60	61.85	22.13	8.61	4,491.0	32,261	100.3	
29' 2	8' 7	87.9%	136,778	3,257	517,760	517.76	522.31	61.84	22.14	8.64	4,512.8	32,300	100.3	
29' 3	8' 6	88.1%	136,964	3,261	518,466	518.47	523.02	61.84	22.16	8.66	4,529.4	32,344	100.3	
29' 4	8' 5	88.2%	137,151	3,265	519,173	519.17	523.74	61.84	22.17	8.69	4,551.3	32,388	100.3	
29' 5	8' 4	88.3%	137,338	3,270	519,879	519.88	524.45	61.84	22.18	8.72	4,573.2	32,432	100.3	
29' 6	8' 3	88.4%	137,524	3,274	520,585	520.59	525.16	61.84	22.20	8.75	4,595.2	32,476	100.3	
29' 7	8' 2	88.5%	137,711	3,279	521,292	521.29	525.87	61.84	22.21	8.78	4,617.1	32,520	100.3	
29' 8	8' 1	88.7%	137,897	3,283	521,998	522.0	526.59	61.83	22.22	8.81	4,639.3	32,559	100.3	
29' 9	8' 0	88.8%	138,084	3,288	522,704	522.70	527.30	61.83	22.24	8.83	4,656.1	32,603	100.3	
29' 10	7' 11	88.9%	138,270	3,292	523,410	523.41	528.01	61.83	22.25	8.86	4,678.2	32,647	100.3	
29' 11	7' 10	89.0%	138,457	3,297	524,117	524.12	528.72	61.83	22.26	8.89	4,700.3	32,691	100.3	
30' 0	7' 9	89.1%	138,644	3,301	524,823	524.82	529.44	61.83	22.27	8.92	4,722.6	32,735	100.3	
30' 1	7' 8	89.3%	138,830	3,305	525,529	525.53	530.15	61.83	22.29	8.95	4,744.8	32,779	100.3	
30' 2	7' 7	89.4%	139,017	3,310	526,235	526.24	530.86	61.82	22.30	8.98	4,767.1	32,818	100.3	
30' 3	7' 6	89.5%	139,203	3,314	526,942	526.94	531.57	61.82	22.31	9.01	4,789.4	32,862	100.3	

Tank		Ballast #1 PORT												
Specific Gravity		1.025												
Trim		0												
Capacity		155,542 Gallons												
Label(s)		Ball#1.p												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
30' 4	7' 5	89.6%	139,390	3,319	527,648	527.65	<b>532.29</b>	61.82	22.33	9.03	<b>4,806.6</b>	<b>32,906</b>	100.3	
30' 5	7' 4	89.7%	139,577	3,323	528,355	528.35	<b>533.0</b>	61.82	22.34	9.06	<b>4,829.0</b>	<b>32,950</b>	100.3	
30' 6	7' 3	89.9%	139,763	3,328	529,061	529.06	<b>533.71</b>	61.82	22.35	9.09	<b>4,851.4</b>	<b>32,994</b>	100.3	
30' 7	7' 2	90.0%	139,950	3,332	529,767	529.77	<b>534.42</b>	61.82	22.36	9.12	<b>4,873.9</b>	<b>33,038</b>	100.3	
30' 8	7' 1	90.1%	140,136	3,337	530,474	530.47	<b>535.14</b>	61.82	22.38	9.15	<b>4,896.5</b>	<b>33,082</b>	100.3	
30' 9	7' 0	90.2%	140,323	3,341	531,180	531.18	<b>535.85</b>	61.81	22.39	9.18	<b>4,919.1</b>	<b>33,121</b>	100.3	
30' 10	6' 11	90.3%	140,510	3,345	531,886	531.89	<b>536.56</b>	61.81	22.40	9.21	<b>4,941.7</b>	<b>33,165</b>	100.3	
30' 11	6' 10	90.5%	140,696	3,350	532,593	532.59	<b>537.27</b>	61.81	22.41	9.24	<b>4,964.4</b>	<b>33,209</b>	100.3	
31' 0	6' 9	90.6%	140,883	3,354	533,299	533.30	<b>537.99</b>	61.81	22.43	9.26	<b>4,981.8</b>	<b>33,253</b>	100.3	
31' 1	6' 8	90.7%	141,069	3,359	534,005	534.01	<b>538.70</b>	61.81	22.44	9.29	<b>5,004.5</b>	<b>33,297</b>	100.3	
31' 2	6' 7	90.8%	141,256	3,363	534,711	534.71	<b>539.41</b>	61.81	22.45	9.32	<b>5,027.3</b>	<b>33,341</b>	100.3	
31' 3	6' 6	90.9%	141,442	3,368	535,418	535.42	<b>540.12</b>	61.81	22.47	9.35	<b>5,050.1</b>	<b>33,385</b>	100.3	
31' 4	6' 5	91.1%	141,629	3,372	536,124	536.12	<b>540.84</b>	61.80	22.48	9.38	<b>5,073.1</b>	<b>33,424</b>	100.3	
31' 5	6' 4	91.2%	141,816	3,377	536,830	536.83	<b>541.55</b>	61.80	22.49	9.41	<b>5,096.0</b>	<b>33,468</b>	100.3	
31' 6	6' 3	91.3%	142,002	3,381	537,537	537.54	<b>542.26</b>	61.80	22.50	9.44	<b>5,118.9</b>	<b>33,512</b>	100.3	
31' 7	6' 2	91.4%	142,189	3,385	538,243	538.24	<b>542.97</b>	61.80	22.51	9.47	<b>5,141.9</b>	<b>33,556</b>	100.3	
31' 8	6' 1	91.5%	142,376	3,390	538,950	538.95	<b>543.69</b>	61.80	22.53	9.50	<b>5,165.1</b>	<b>33,600</b>	100.3	
31' 9	6' 0	91.7%	142,562	3,394	539,656	539.66	<b>544.40</b>	61.80	22.54	9.53	<b>5,188.1</b>	<b>33,644</b>	100.3	
31' 10	5' 11	91.8%	142,749	3,399	540,362	540.36	<b>545.11</b>	61.79	22.55	9.56	<b>5,211.3</b>	<b>33,682</b>	100.3	
31' 11	5' 10	91.9%	142,935	3,403	541,069	541.07	<b>545.82</b>	61.79	22.56	9.58	<b>5,229.0</b>	<b>33,726</b>	100.3	
32' 0	5' 9	92.0%	143,122	3,408	541,775	541.77	<b>546.54</b>	61.79	22.58	9.61	<b>5,252.2</b>	<b>33,771</b>	100.3	
32' 1	5' 8	92.1%	143,308	3,412	542,481	542.48	<b>547.25</b>	61.79	22.59	9.64	<b>5,275.5</b>	<b>33,815</b>	100.3	
32' 2	5' 7	92.3%	143,495	3,417	543,188	543.19	<b>547.96</b>	61.79	22.60	9.67	<b>5,298.8</b>	<b>33,858</b>	100.3	
32' 3	5' 6	92.4%	143,682	3,421	543,894	543.89	<b>548.67</b>	61.79	22.61	9.70	<b>5,322.1</b>	<b>33,902</b>	100.3	
32' 4	5' 5	92.5%	143,868	3,425	544,600	544.60	<b>549.39</b>	61.79	22.62	9.73	<b>5,345.6</b>	<b>33,947</b>	100.3	
32' 5	5' 4	92.6%	144,055	3,430	545,307	545.31	<b>550.10</b>	61.78	22.64	9.76	<b>5,369.0</b>	<b>33,985</b>	100.3	
32' 6	5' 3	92.7%	144,241	3,434	546,013	546.01	<b>550.81</b>	61.78	22.65	9.79	<b>5,392.4</b>	<b>34,029</b>	100.3	
32' 7	5' 2	92.9%	144,428	3,439	546,719	546.72	<b>551.52</b>	61.78	22.66	9.82	<b>5,415.9</b>	<b>34,073</b>	100.3	
32' 8	5' 1	93.0%	144,615	3,443	547,426	547.43	<b>552.24</b>	61.78	22.67	9.85	<b>5,439.6</b>	<b>34,117</b>	100.3	
32' 9	5' 0	93.1%	144,801	3,448	548,132	548.13	<b>552.95</b>	61.78	22.68	9.88	<b>5,463.1</b>	<b>34,161</b>	100.3	
32' 10	4' 11	93.2%	144,988	3,452	548,839	548.84	<b>553.66</b>	61.78	22.70	9.91	<b>5,486.8</b>	<b>34,205</b>	100.3	
32' 11	4' 10	93.3%	145,174	3,457	549,545	549.54	<b>554.37</b>	61.78	22.71	9.94	<b>5,510.4</b>	<b>34,249</b>	100.3	
33' 0	4' 9	93.5%	145,361	3,461	550,251	550.25	<b>555.09</b>	61.77	22.72	9.97	<b>5,534.2</b>	<b>34,288</b>	100.3	

Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
33' 1	4' 8	93.6%	145,548	3,465	550,958	550.96	<b>555.80</b>	61.77	22.73	10.00	<b>5,558.0</b>	<b>34,332</b>	100.3
33' 2	4' 7	93.7%	145,734	3,470	551,664	551.66	<b>556.51</b>	61.77	22.74	10.03	<b>5,581.8</b>	<b>34,376</b>	100.3
33' 3	4' 6	93.8%	145,921	3,474	552,370	552.37	<b>557.23</b>	61.77	22.76	10.06	<b>5,605.7</b>	<b>34,420</b>	100.3
33' 4	4' 5	93.9%	146,107	3,479	553,077	553.08	<b>557.94</b>	61.77	22.77	10.09	<b>5,629.6</b>	<b>34,464</b>	100.3
33' 5	4' 4	94.1%	146,294	3,483	553,783	553.78	<b>558.65</b>	61.77	22.78	10.12	<b>5,653.5</b>	<b>34,508</b>	100.3
33' 6	4' 3	94.2%	146,481	3,488	554,489	554.49	<b>559.36</b>	61.77	22.79	10.15	<b>5,677.5</b>	<b>34,552</b>	100.3
33' 7	4' 2	94.3%	146,667	3,492	555,196	555.20	<b>560.08</b>	61.76	22.80	10.18	<b>5,701.6</b>	<b>34,591</b>	100.3
33' 8	4' 1	94.4%	146,854	3,497	555,902	555.90	<b>560.79</b>	61.76	22.81	10.21	<b>5,725.7</b>	<b>34,634</b>	100.3
33' 9	4' 0	94.5%	147,040	3,501	556,608	556.61	<b>561.50</b>	61.76	22.83	10.24	<b>5,749.8</b>	<b>34,678</b>	100.3
33' 10	3' 11	94.7%	147,227	3,505	557,315	557.31	<b>562.21</b>	61.76	22.84	10.27	<b>5,773.9</b>	<b>34,722</b>	100.3
33' 11	3' 10	94.8%	147,414	3,510	558,022	558.02	<b>562.93</b>	61.76	22.85	10.30	<b>5,798.2</b>	<b>34,767</b>	100.3
34' 0	3' 9	94.9%	147,600	3,514	558,728	558.73	<b>563.64</b>	61.76	22.86	10.33	<b>5,822.4</b>	<b>34,810</b>	100.3
34' 1	3' 8	95.0%	147,787	3,519	559,434	559.43	<b>564.35</b>	61.76	22.87	10.36	<b>5,846.7</b>	<b>34,854</b>	100.3
34' 2	3' 7	95.1%	147,974	3,523	560,141	560.14	<b>565.06</b>	61.76	22.88	10.39	<b>5,871.0</b>	<b>34,898</b>	100.3
34' 3	3' 6	95.3%	148,160	3,528	560,847	560.85	<b>565.78</b>	61.75	22.89	10.42	<b>5,895.4</b>	<b>34,937</b>	100.3
34' 4	3' 5	95.4%	148,347	3,532	561,553	561.55	<b>566.49</b>	61.75	22.91	10.45	<b>5,919.8</b>	<b>34,981</b>	100.3
34' 5	3' 4	95.5%	148,533	3,537	562,260	562.26	<b>567.20</b>	61.75	22.92	10.48	<b>5,944.3</b>	<b>35,025</b>	100.3
34' 6	3' 3	95.6%	148,720	3,541	562,966	562.97	<b>567.91</b>	61.75	22.93	10.51	<b>5,968.7</b>	<b>35,068</b>	100.3
34' 7	3' 2	95.7%	148,907	3,545	563,672	563.67	<b>568.63</b>	61.75	22.94	10.54	<b>5,993.4</b>	<b>35,113</b>	100.3
34' 8	3' 1	95.9%	149,093	3,550	564,379	564.38	<b>569.34</b>	61.75	22.95	10.57	<b>6,017.9</b>	<b>35,157</b>	100.3
34' 9	3' 0	96.0%	149,280	3,554	565,086	565.09	<b>570.05</b>	61.75	22.96	10.60	<b>6,042.5</b>	<b>35,201</b>	100.3
34' 10	2' 11	96.1%	149,466	3,559	565,792	565.79	<b>570.76</b>	61.74	22.97	10.63	<b>6,067.2</b>	<b>35,239</b>	100.3
34' 11	2' 10	96.2%	149,653	3,563	566,498	566.50	<b>571.48</b>	61.74	22.98	10.66	<b>6,092.0</b>	<b>35,283</b>	100.3
35' 0	2' 9	96.3%	149,840	3,568	567,205	567.20	<b>572.19</b>	61.74	23.00	10.69	<b>6,116.7</b>	<b>35,327</b>	100.3
35' 1	2' 8	96.5%	150,026	3,572	567,911	567.91	<b>572.90</b>	61.74	23.01	10.72	<b>6,141.5</b>	<b>35,371</b>	100.3
35' 2	2' 7	96.6%	150,213	3,576	568,618	568.62	<b>573.62</b>	61.74	23.02	10.75	<b>6,166.4</b>	<b>35,415</b>	100.3
35' 3	2' 6	96.7%	150,400	3,581	569,324	569.32	<b>574.33</b>	61.74	23.03	10.78	<b>6,191.3</b>	<b>35,459</b>	100.3
35' 4	2' 5	96.8%	150,586	3,585	570,030	570.03	<b>575.04</b>	61.74	23.04	10.81	<b>6,216.2</b>	<b>35,503</b>	100.3
35' 5	2' 4	96.9%	150,773	3,590	570,737	570.74	<b>575.75</b>	61.74	23.05	10.84	<b>6,241.1</b>	<b>35,547</b>	100.3
35' 6	2' 3	97.1%	150,959	3,594	571,443	571.44	<b>576.47</b>	61.73	23.06	10.87	<b>6,266.2</b>	<b>35,585</b>	100.3
35' 7	2' 2	97.2%	151,146	3,599	572,150	572.15	<b>577.18</b>	61.73	23.07	10.90	<b>6,291.3</b>	<b>35,629</b>	100.3
35' 8	2' 1	97.3%	151,333	3,603	572,856	572.86	<b>577.89</b>	61.73	23.08	10.93	<b>6,316.3</b>	<b>35,673</b>	100.3
35' 9	2' 0	97.4%	151,519	3,608	573,563	573.56	<b>578.60</b>	61.73	23.09	10.96	<b>6,341.5</b>	<b>35,717</b>	100.3

Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
35' 10	1' 11	97.5%	151,706	3,612	574,269	574.27	<b>579.32</b>	61.73	23.11	10.99	<b>6,366.7</b>	<b>35,761</b>	100.3
35' 11	1' 10	97.7%	151,893	3,616	574,976	574.98	<b>580.03</b>	61.73	23.12	11.03	<b>6,397.7</b>	<b>35,805</b>	100.3
36' 0	1' 9	97.8%	152,079	3,621	575,682	575.68	<b>580.74</b>	61.73	23.13	11.06	<b>6,423.0</b>	<b>35,849</b>	100.3
36' 1	1' 8	97.9%	152,266	3,625	576,388	576.39	<b>581.45</b>	61.72	23.14	11.09	<b>6,448.3</b>	<b>35,887</b>	100.3
36' 2	1' 7	98.0%	152,452	3,630	577,095	577.09	<b>582.17</b>	61.72	23.15	11.12	<b>6,473.7</b>	<b>35,932</b>	100.3
36' 3	1' 6	98.1%	152,639	3,634	577,801	577.80	<b>582.88</b>	61.72	23.16	11.15	<b>6,499.1</b>	<b>35,975</b>	100.3
36' 4	1' 5	98.3%	152,826	3,639	578,508	578.51	<b>583.59</b>	61.72	23.17	11.18	<b>6,524.5</b>	<b>36,019</b>	100.3
36' 5	1' 4	98.4%	153,012	3,643	579,214	579.21	<b>584.30</b>	61.72	23.18	11.21	<b>6,550.0</b>	<b>36,063</b>	100.3
36' 6	1' 3	98.5%	153,199	3,648	579,921	579.92	<b>585.02</b>	61.72	23.19	11.24	<b>6,575.6</b>	<b>36,107</b>	100.3
36' 7	1' 2	98.6%	153,385	3,652	580,627	580.63	<b>585.73</b>	61.72	23.20	11.27	<b>6,601.2</b>	<b>36,151</b>	100.1
36' 8	1' 1	98.7%	153,572	3,656	581,332	581.33	<b>586.44</b>	61.72	23.21	11.30	<b>6,626.8</b>	<b>36,195</b>	99.6
36' 9	1' 0	98.9%	153,757	3,661	582,035	582.04	<b>587.15</b>	61.71	23.22	11.33	<b>6,652.4</b>	<b>36,233</b>	99.1
36' 10	0' 11	99.0%	153,943	3,665	582,736	582.74	<b>587.86</b>	61.71	23.23	11.36	<b>6,678.1</b>	<b>36,277</b>	98.6
36' 11	0' 10	99.1%	154,127	3,670	583,433	583.43	<b>588.56</b>	61.71	23.24	11.40	<b>6,709.6</b>	<b>36,320</b>	98.1
37' 0	0' 9	99.2%	154,310	3,674	584,128	584.13	<b>589.26</b>	61.71	23.25	11.43	<b>6,735.2</b>	<b>36,363</b>	97.5
37' 1	0' 8	99.3%	154,493	3,678	584,819	584.82	<b>589.96</b>	61.71	23.26	11.46	<b>6,760.9</b>	<b>36,406</b>	96.4
37' 2	0' 7	99.4%	154,674	3,683	585,503	585.50	<b>590.65</b>	61.71	23.27	11.49	<b>6,786.6</b>	<b>36,449</b>	94.4
37' 3	0' 6	99.6%	154,852	3,687	586,178	586.18	<b>591.33</b>	61.71	23.28	11.52	<b>6,812.1</b>	<b>36,491</b>	92.4
37' 4	0' 5	99.7%	155,027	3,691	586,841	586.84	<b>592.0</b>	61.70	23.29	11.55	<b>6,837.6</b>	<b>36,526</b>	90.0
37' 5	0' 4	99.8%	155,199	3,695	587,490	587.49	<b>592.65</b>	61.70	23.30	11.57	<b>6,857.0</b>	<b>36,567</b>	86.3
37' 6	0' 3	99.9%	155,364	3,699	588,117	588.12	<b>593.29</b>	61.70	23.31	11.60	<b>6,882.2</b>	<b>36,606</b>	81.5
37' 7	0' 2	100.0%	155,518	3,703	588,701	588.70	<b>593.87</b>	61.70	23.32	11.63	<b>6,906.7</b>	<b>36,642</b>	61.8
37' 7 1/4	0' 1	100.0%	155,542	3,703	588,790	588.79	<b>593.97</b>	61.70	23.32	11.63	<b>6,907.9</b>	<b>36,648</b>	54.8



Tank		Ballast #1 STBD											
Specific Gravity		1.025											
Trim		0											
Capacity		148,510 Gallons											
Label(s)		Ball#1.s											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
0' 1	37' 7 1/4	0	1058	25	4003	4	4	69	14	0	1	280	2530
0' 2	37' 7	0	1902	45	7199	7	7	69	14	0	1	498	2815
0' 3	37' 6	0	2794	67	10575	11	11	68	15	0	2	725	3042
0' 4	37' 5	0	3725	89	14101	14	14	67	15	0	4	959	3224
0' 5	37' 4	0	4683	111	17725	18	18	67	15	0	6	1198	3349
0' 6	37' 3	0	5659	135	21422	21	22	67	15	0	8	1442	3461
0' 7	37' 2	0	6652	158	25180	25	25	66	15	0	10	1688	3560
0' 8	37' 1	0	7658	182	28990	29	29	66	15	0	13	1937	3652
0' 9	37' 0	0	8678	207	32848	33	33	66	15	0	16	2190	3737
0' 10	36' 11	0	9708	231	36749	37	37	66	15	1	20	2444	3814
0' 11	36' 10	0	10749	256	40689	41	41	66	15	1	23	2701	3885
1' 0	36' 9	0	11799	281	44664	45	45	66	15	1	27	2959	3951
1' 1	36' 8	0	12858	306	48671	49	49	66	15	1	32	3219	4013
1' 2	36' 7	0	13924	332	52709	53	53	65	15	1	37	3481	4072
1' 3	36' 6	0	14998	357	56775	57	57	65	16	1	42	3744	4127
1' 4	36' 5	0	16080	383	60868	61	61	65	16	1	49	4009	4180
1' 5	36' 4	0	17167	409	64985	65	66	65	16	1	54	4276	4230
1' 6	36' 3	0	18261	435	69127	69	70	65	16	1	61	4543	4277
1' 7	36' 2	0	19361	461	73290	73	74	65	16	1	68	4811	4322
1' 8	36' 1	0	20467	487	77474	77	78	65	16	1	75	5082	4364
1' 9	36' 0	0	21577	514	81678	82	82	65	16	1	83	5353	4404
1' 10	35' 11	0	22693	540	85901	86	87	65	16	1	91	5625	4442
1' 11	35' 10	0	23813	567	90141	90	91	65	16	1	99	5897	4477
2' 0	35' 9	0	24937	594	94398	94	95	65	16	1	109	6171	4512
2' 1	35' 8	0	26066	621	98670	99	100	65	16	1	117	6446	4546
2' 2	35' 7	0	27199	648	102958	103	104	65	16	1	127	6721	4577
2' 3	35' 6	0	28335	675	107261	107	108	65	16	1	137	6997	4607
2' 4	35' 5	0	29476	702	111577	112	113	65	16	1	147	7275	4636
2' 5	35' 4	0	30619	729	115907	116	117	65	16	1	159	7553	4664
2' 6	35' 3	0	31767	756	120250	120	121	65	16	1	170	7831	4691
2' 7	35' 2	0	32917	784	124605	125	126	65	16	1	181	8109	4717
2' 8	35' 1	0	34071	811	128972	129	130	64	16	1	194	8389	4742
2' 9	35' 0	0	35227	839	133350	133	135	64	16	2	206	8668	4767

Tank		Ballast #1 STBD											
Specific Gravity		1.025											
Trim		0											
Capacity		148,510 Gallons											
Label(s)		Ball#1.s											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
2' 10	34' 11	0	36387	866	137739	138	139	64	16	2	218	8950	4790
2' 11	34' 10	0	37549	894	142139	142	143	64	16	2	232	9231	4812
3' 0	34' 9	0	38714	922	146548	147	148	64	16	2	245	9512	4831
3' 1	34' 8	26.9%	39,881	950	150,967	150.97	152.29	64.31	16.44	1.70	258.9	9,794	4,850.6
3' 2	34' 7	27.6%	41,051	977	155,394	155.39	156.76	64.28	16.47	1.75	274.3	10,077	4,868.6
3' 3	34' 6	28.4%	42,223	1,005	159,830	159.83	161.24	64.26	16.50	1.79	288.6	10,361	4,886.2
3' 4	34' 5	29.2%	43,397	1,033	164,275	164.27	165.72	64.23	16.52	1.83	303.3	10,644	4,903.1
3' 5	34' 4	30.0%	44,573	1,061	168,727	168.73	170.21	64.20	16.55	1.88	320.0	10,927	4,919.5
3' 6	34' 3	30.8%	45,751	1,089	173,186	173.19	174.71	64.18	16.57	1.92	335.4	11,213	4,935.8
3' 7	34' 2	31.6%	46,931	1,117	177,654	177.65	179.22	64.15	16.59	1.96	351.3	11,497	4,952.1
3' 8	34' 1	32.4%	48,113	1,146	182,129	182.13	183.73	64.13	16.62	2.01	369.3	11,783	4,967.6
3' 9	34' 0	33.2%	49,297	1,174	186,611	186.61	188.25	64.10	16.64	2.05	385.9	12,067	4,982.7
3' 10	33' 11	34.0%	50,483	1,202	191,100	191.10	192.78	64.08	16.66	2.09	402.9	12,353	4,997.6
3' 11	33' 10	34.8%	51,671	1,230	195,595	195.60	197.31	64.05	16.68	2.14	422.2	12,638	5,012.1
4' 0	33' 9	35.6%	52,860	1,259	200,098	200.10	201.86	64.03	16.70	2.18	440.1	12,925	5,025.3
4' 1	33' 8	36.4%	54,051	1,287	204,606	204.61	206.40	64.01	16.72	2.22	458.2	13,212	5,037.3
4' 2	33' 7	37.2%	55,244	1,315	209,120	209.12	210.96	63.99	16.74	2.27	478.9	13,499	5,049.0
4' 3	33' 6	38.0%	56,438	1,344	213,639	213.64	215.52	63.97	16.76	2.31	497.9	13,787	5,060.2
4' 4	33' 5	38.8%	57,633	1,372	218,164	218.16	220.08	63.95	16.78	2.35	517.2	14,074	5,070.9
4' 5	33' 4	39.6%	58,830	1,401	222,695	222.69	224.65	63.93	16.80	2.40	539.2	14,362	5,081.5
4' 6	33' 3	40.4%	60,028	1,429	227,230	227.23	229.23	63.91	16.81	2.44	559.3	14,650	5,091.6
4' 7	33' 2	41.2%	61,227	1,458	231,770	231.77	233.81	63.89	16.83	2.48	579.8	14,938	5,101.4
4' 8	33' 1	42.0%	62,428	1,486	236,315	236.31	238.39	63.87	16.85	2.53	603.1	15,226	5,111.0
4' 9	33' 0	42.8%	63,630	1,515	240,864	240.86	242.98	63.85	16.87	2.57	624.5	15,514	5,120.5
4' 10	32' 11	43.7%	64,833	1,544	245,419	245.42	247.58	63.83	16.88	2.61	646.2	15,803	5,129.6
4' 11	32' 10	44.5%	66,037	1,572	249,977	249.98	252.17	63.82	16.90	2.66	670.8	16,093	5,138.4
5' 0	32' 9	45.3%	67,242	1,601	254,540	254.54	256.78	63.80	16.91	2.70	693.3	16,383	5,146.9
5' 1	32' 8	46.1%	68,449	1,630	259,106	259.11	261.38	63.78	16.93	2.74	716.2	16,671	5,155.4
5' 2	32' 7	46.9%	69,648	1,658	263,647	263.65	265.96	63.76	16.94	2.78	739.4	16,958	4,559.9
5' 3	32' 6	47.6%	70,720	1,684	267,705	267.71	270.06	63.74	16.98	2.82	761.6	17,214	3,098.1
5' 4	32' 5	48.2%	71,619	1,705	271,107	271.11	273.49	63.72	17.04	2.86	782.2	17,427	2,031.2
5' 5	32' 4	48.7%	72,340	1,722	273,836	273.84	276.24	63.69	17.11	2.88	795.6	17,594	1,381.4
5' 6	32' 3	49.1%	72,920	1,736	276,032	276.03	278.46	63.66	17.18	2.90	807.5	17,727	1,061.3

Tank		Ballast #1 STBD											
Specific Gravity		1.025											
Trim		0											
Capacity		148,510 Gallons											
Label(s)		Ball#1.s											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
5' 7	32' 2	49.4%	73,407	1,748	277,877	277.88	<b>280.32</b>	63.62	17.24	2.92	<b>818.5</b>	<b>17,834</b>	943.4
5' 8	32' 1	49.7%	73,855	1,758	279,570	279.57	<b>282.03</b>	63.58	17.30	2.94	<b>829.2</b>	<b>17,931</b>	891.8
5' 9	32' 0	50.0%	74,277	1,768	281,168	281.17	<b>283.64</b>	63.53	17.35	2.95	<b>836.7</b>	<b>18,020</b>	838.4
5' 10	31' 11	50.3%	74,675	1,778	282,676	282.68	<b>285.16</b>	63.48	17.40	2.97	<b>846.9</b>	<b>18,102</b>	788.8
5' 11	31' 10	50.5%	75,054	1,787	284,110	284.11	<b>286.61</b>	63.44	17.44	2.99	<b>857.0</b>	<b>18,183</b>	745.8
6' 0	31' 9	50.8%	75,416	1,796	285,482	285.48	<b>287.99</b>	63.39	17.49	3.00	<b>864.0</b>	<b>18,256</b>	706.8
6' 1	31' 8	51.0%	75,765	1,804	286,802	286.80	<b>289.32</b>	63.35	17.53	3.01	<b>870.9</b>	<b>18,328</b>	670.5
6' 2	31' 7	51.2%	76,101	1,812	288,075	288.08	<b>290.61</b>	63.30	17.57	3.03	<b>880.5</b>	<b>18,396</b>	636.4
6' 3	31' 6	51.5%	76,426	1,820	289,306	289.31	<b>291.85</b>	63.26	17.62	3.04	<b>887.2</b>	<b>18,462</b>	604.1
6' 4	31' 5	51.7%	76,741	1,827	290,497	290.50	<b>293.05</b>	63.23	17.66	3.06	<b>896.7</b>	<b>18,530</b>	573.2
6' 5	31' 4	51.9%	77,046	1,834	291,653	291.65	<b>294.22</b>	63.19	17.70	3.07	<b>903.3</b>	<b>18,592</b>	543.7
6' 6	31' 3	52.1%	77,343	1,841	292,775	292.77	<b>295.35</b>	63.15	17.74	3.08	<b>909.7</b>	<b>18,651</b>	515.4
6' 7	31' 2	52.3%	77,631	1,848	293,866	293.87	<b>296.45</b>	63.12	17.77	3.10	<b>919.0</b>	<b>18,712</b>	488.2
6' 8	31' 1	52.5%	77,912	1,855	294,928	294.93	<b>297.52</b>	63.09	17.81	3.11	<b>925.3</b>	<b>18,771</b>	462.1
6' 9	31' 0	52.6%	78,185	1,862	295,964	295.96	<b>298.56</b>	63.06	17.85	3.12	<b>931.5</b>	<b>18,827</b>	437.1
6' 10	30' 11	52.8%	78,452	1,868	296,974	296.97	<b>299.58</b>	63.03	17.89	3.14	<b>940.7</b>	<b>18,883</b>	413.0
6' 11	30' 10	53.0%	78,713	1,874	297,962	297.96	<b>300.58</b>	63.01	17.92	3.15	<b>946.8</b>	<b>18,940</b>	389.9
7' 0	30' 9	53.2%	78,968	1,880	298,928	298.93	<b>301.56</b>	62.99	17.96	3.16	<b>952.9</b>	<b>18,995</b>	367.7
7' 1	30' 8	53.3%	79,218	1,886	299,874	299.87	<b>302.51</b>	62.96	17.99	3.17	<b>959.0</b>	<b>19,046</b>	346.5
7' 2	30' 7	53.5%	79,463	1,892	300,801	300.80	<b>303.44</b>	62.94	18.03	3.19	<b>968.0</b>	<b>19,099</b>	326.3
7' 3	30' 6	53.7%	79,704	1,898	301,711	301.71	<b>304.36</b>	62.92	18.07	3.20	<b>974.0</b>	<b>19,150</b>	307.1
7' 4	30' 5	53.8%	79,940	1,903	302,606	302.61	<b>305.27</b>	62.90	18.10	3.21	<b>979.9</b>	<b>19,201</b>	288.8
7' 5	30' 4	54.0%	80,172	1,909	303,485	303.48	<b>306.15</b>	62.89	18.13	3.22	<b>985.8</b>	<b>19,254</b>	271.7
7' 6	30' 3	54.1%	80,401	1,914	304,351	304.35	<b>307.03</b>	62.87	18.17	3.24	<b>994.8</b>	<b>19,303</b>	255.5
7' 7	30' 2	54.3%	80,626	1,920	305,204	305.20	<b>307.89</b>	62.85	18.20	3.25	<b>1,000.6</b>	<b>19,351</b>	240.5
7' 8	30' 1	54.4%	80,849	1,925	306,045	306.05	<b>308.73</b>	62.84	18.24	3.26	<b>1,006.5</b>	<b>19,401</b>	226.5
7' 9	30' 0	54.6%	81,068	1,930	306,876	306.88	<b>309.57</b>	62.83	18.27	3.27	<b>1,012.3</b>	<b>19,450</b>	213.6
7' 10	29' 11	54.7%	81,285	1,935	307,697	307.70	<b>310.40</b>	62.81	18.30	3.28	<b>1,018.1</b>	<b>19,496</b>	201.9
7' 11	29' 10	54.9%	81,499	1,940	308,509	308.51	<b>311.22</b>	62.80	18.33	3.30	<b>1,027.0</b>	<b>19,545</b>	191.1
8' 0	29' 9	55.0%	81,712	1,946	309,313	309.31	<b>312.03</b>	62.79	18.37	3.31	<b>1,032.8</b>	<b>19,592</b>	181.8
8' 1	29' 8	55.2%	81,922	1,951	310,110	310.11	<b>312.84</b>	62.78	18.40	3.32	<b>1,038.6</b>	<b>19,640</b>	173.1
8' 2	29' 7	55.3%	82,131	1,956	310,901	310.90	<b>313.63</b>	62.77	18.43	3.33	<b>1,044.4</b>	<b>19,687</b>	166.2
8' 3	29' 6	55.4%	82,339	1,960	311,686	311.69	<b>314.43</b>	62.76	18.46	3.35	<b>1,053.3</b>	<b>19,734</b>	159.8

Tank		Ballast #1 STBD												
Specific Gravity		1.025												
Trim		0												
Capacity		148,510 Gallons												
Label(s)		Ball#1.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
8' 4	29' 5	55.6%	82,545	1,965	312,467	312.47	<b>315.21</b>	62.75	18.49	3.36	<b>1,059.1</b>	<b>19,779</b>	155.3	
8' 5	29' 4	55.7%	82,750	1,970	313,244	313.24	<b>316.0</b>	62.74	18.53	3.37	<b>1,064.9</b>	<b>19,826</b>	151.2	
8' 6	29' 3	55.9%	82,955	1,975	314,018	314.02	<b>316.78</b>	62.74	18.56	3.39	<b>1,073.9</b>	<b>19,875</b>	148.9	
8' 7	29' 2	56.0%	83,159	1,980	314,789	314.79	<b>317.56</b>	62.73	18.59	3.40	<b>1,079.7</b>	<b>19,921</b>	147.0	
8' 8	29' 1	56.1%	83,362	1,985	315,559	315.56	<b>318.33</b>	62.72	18.62	3.41	<b>1,085.5</b>	<b>19,966</b>	146.0	
8' 9	29' 0	56.3%	83,565	1,990	316,328	316.33	<b>319.11</b>	62.71	18.65	3.42	<b>1,091.4</b>	<b>20,011</b>	145.3	
8' 10	28' 11	56.4%	83,768	1,994	317,096	317.10	<b>319.88</b>	62.70	18.68	3.44	<b>1,100.4</b>	<b>20,056</b>	144.5	
8' 11	28' 10	56.5%	83,970	1,999	317,862	317.86	<b>320.66</b>	62.70	18.71	3.45	<b>1,106.3</b>	<b>20,105</b>	143.7	
9' 0	28' 9	56.7%	84,173	2,004	318,628	318.63	<b>321.43</b>	62.69	18.74	3.46	<b>1,112.1</b>	<b>20,150</b>	143.0	
9' 1	28' 8	56.8%	84,374	2,009	319,392	319.39	<b>322.20</b>	62.68	18.77	3.48	<b>1,121.3</b>	<b>20,195</b>	142.2	
9' 2	28' 7	56.9%	84,576	2,014	320,155	320.16	<b>322.97</b>	62.67	18.80	3.49	<b>1,127.2</b>	<b>20,241</b>	141.4	
9' 3	28' 6	57.1%	84,777	2,019	320,917	320.92	<b>323.74</b>	62.66	18.83	3.51	<b>1,136.3</b>	<b>20,286</b>	140.7	
9' 4	28' 5	57.2%	84,978	2,023	321,678	321.68	<b>324.50</b>	62.66	18.86	3.52	<b>1,142.2</b>	<b>20,333</b>	139.9	
9' 5	28' 4	57.4%	85,179	2,028	322,437	322.44	<b>325.27</b>	62.65	18.89	3.53	<b>1,148.2</b>	<b>20,378</b>	139.2	
9' 6	28' 3	57.5%	85,379	2,033	323,195	323.20	<b>326.04</b>	62.64	18.92	3.55	<b>1,157.4</b>	<b>20,423</b>	138.4	
9' 7	28' 2	57.6%	85,579	2,038	323,953	323.95	<b>326.80</b>	62.63	18.95	3.56	<b>1,163.4</b>	<b>20,467</b>	137.7	
9' 8	28' 1	57.8%	85,779	2,042	324,708	324.71	<b>327.56</b>	62.63	18.98	3.58	<b>1,172.7</b>	<b>20,515</b>	136.9	
9' 9	28' 0	57.9%	85,978	2,047	325,463	325.46	<b>328.32</b>	62.62	19.01	3.59	<b>1,178.7</b>	<b>20,559</b>	136.2	
9' 10	27' 11	58.0%	86,177	2,052	326,217	326.22	<b>329.08</b>	62.61	19.03	3.60	<b>1,184.7</b>	<b>20,604</b>	135.4	
9' 11	27' 10	58.2%	86,376	2,057	326,969	326.97	<b>329.84</b>	62.60	19.06	3.62	<b>1,194.0</b>	<b>20,648</b>	134.7	
10' 0	27' 9	58.3%	86,574	2,061	327,720	327.72	<b>330.60</b>	62.60	19.09	3.63	<b>1,200.1</b>	<b>20,696</b>	133.9	
10' 1	27' 8	58.4%	86,773	2,066	328,470	328.47	<b>331.36</b>	62.59	19.12	3.65	<b>1,209.5</b>	<b>20,740</b>	133.2	
10' 2	27' 7	58.6%	86,970	2,071	329,218	329.22	<b>332.11</b>	62.58	19.15	3.66	<b>1,215.5</b>	<b>20,783</b>	132.4	
10' 3	27' 6	58.7%	87,168	2,075	329,966	329.97	<b>332.87</b>	62.58	19.17	3.68	<b>1,225.0</b>	<b>20,831</b>	131.7	
10' 4	27' 5	58.8%	87,365	2,080	330,712	330.71	<b>333.62</b>	62.57	19.20	3.69	<b>1,231.1</b>	<b>20,875</b>	130.9	
10' 5	27' 4	59.0%	87,562	2,085	331,457	331.46	<b>334.37</b>	62.56	19.23	3.71	<b>1,240.5</b>	<b>20,918</b>	130.2	
10' 6	27' 3	59.1%	87,758	2,089	332,201	332.20	<b>335.12</b>	62.56	19.26	3.73	<b>1,250.0</b>	<b>20,965</b>	129.4	
10' 7	27' 2	59.2%	87,954	2,094	332,944	332.94	<b>335.87</b>	62.55	19.28	3.74	<b>1,256.2</b>	<b>21,009</b>	128.7	
10' 8	27' 1	59.4%	88,150	2,099	333,686	333.69	<b>336.62</b>	62.54	19.31	3.76	<b>1,265.7</b>	<b>21,052</b>	128.0	
10' 9	27' 0	59.5%	88,346	2,103	334,426	334.43	<b>337.37</b>	62.54	19.34	3.77	<b>1,271.9</b>	<b>21,099</b>	127.2	
10' 10	26' 11	59.6%	88,541	2,108	335,166	335.17	<b>338.11</b>	62.53	19.37	3.79	<b>1,281.4</b>	<b>21,142</b>	126.5	
10' 11	26' 10	59.8%	88,736	2,113	335,904	335.90	<b>338.86</b>	62.52	19.39	3.80	<b>1,287.7</b>	<b>21,186</b>	125.8	
11' 0	26' 9	59.9%	88,931	2,117	336,641	336.64	<b>339.60</b>	62.52	19.42	3.82	<b>1,297.3</b>	<b>21,232</b>	125.1	

Tank		Ballast #1 STBD												
Specific Gravity		1.025												
Trim		0												
Capacity		148,510 Gallons												
Label(s)		Ball#1.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
11' 1	26' 8	60.0%	89,126	2,122	337,377	337.38	<b>340.34</b>	62.51	19.45	3.84	<b>1,306.9</b>	<b>21,275</b>	124.4	
11' 2	26' 7	60.1%	89,320	2,127	338,113	338.11	<b>341.08</b>	62.51	19.47	3.85	<b>1,313.2</b>	<b>21,321</b>	123.7	
11' 3	26' 6	60.3%	89,514	2,131	338,847	338.85	<b>341.83</b>	62.50	19.50	3.87	<b>1,322.9</b>	<b>21,364</b>	123.0	
11' 4	26' 5	60.4%	89,708	2,136	339,580	339.58	<b>342.56</b>	62.49	19.52	3.88	<b>1,329.1</b>	<b>21,407</b>	122.3	
11' 5	26' 4	60.5%	89,901	2,141	340,312	340.31	<b>343.30</b>	62.49	19.55	3.90	<b>1,338.9</b>	<b>21,453</b>	121.6	
11' 6	26' 3	60.7%	90,094	2,145	341,044	341.04	<b>344.04</b>	62.48	19.58	3.92	<b>1,348.6</b>	<b>21,496</b>	120.9	
11' 7	26' 2	60.8%	90,287	2,150	341,774	341.77	<b>344.78</b>	62.48	19.60	3.93	<b>1,355.0</b>	<b>21,542</b>	120.2	
11' 8	26' 1	60.9%	90,480	2,154	342,503	342.50	<b>345.51</b>	62.47	19.63	3.95	<b>1,364.8</b>	<b>21,584</b>	119.5	
11' 9	26' 0	61.1%	90,672	2,159	343,232	343.23	<b>346.25</b>	62.47	19.65	3.97	<b>1,374.6</b>	<b>21,630</b>	118.9	
11' 10	25' 11	61.2%	90,864	2,163	343,959	343.96	<b>346.98</b>	62.46	19.68	3.98	<b>1,381.0</b>	<b>21,672</b>	118.2	
11' 11	25' 10	61.3%	91,056	2,168	344,686	344.69	<b>347.72</b>	62.46	19.70	4.00	<b>1,390.9</b>	<b>21,719</b>	117.6	
12' 0	25' 9	61.4%	91,248	2,173	345,412	345.41	<b>348.45</b>	62.45	19.73	4.02	<b>1,400.8</b>	<b>21,761</b>	116.9	
12' 1	25' 8	61.6%	91,440	2,177	346,136	346.14	<b>349.18</b>	62.45	19.75	4.03	<b>1,407.2</b>	<b>21,806</b>	116.2	
12' 2	25' 7	61.7%	91,631	2,182	346,860	346.86	<b>349.91</b>	62.44	19.78	4.05	<b>1,417.1</b>	<b>21,848</b>	115.6	
12' 3	25' 6	61.8%	91,822	2,186	347,583	347.58	<b>350.64</b>	62.44	19.80	4.07	<b>1,427.1</b>	<b>21,894</b>	115.0	
12' 4	25' 5	62.0%	92,013	2,191	348,306	348.31	<b>351.37</b>	62.43	19.83	4.09	<b>1,437.1</b>	<b>21,936</b>	114.4	
12' 5	25' 4	62.1%	92,203	2,195	349,027	349.03	<b>352.09</b>	62.43	19.85	4.10	<b>1,443.6</b>	<b>21,981</b>	113.8	
12' 6	25' 3	62.2%	92,394	2,200	349,748	349.75	<b>352.82</b>	62.42	19.88	4.12	<b>1,453.6</b>	<b>22,023</b>	113.2	
12' 7	25' 2	62.3%	92,584	2,204	350,468	350.47	<b>353.55</b>	62.42	19.90	4.14	<b>1,463.7</b>	<b>22,069</b>	112.6	
12' 8	25' 1	62.5%	92,774	2,209	351,187	351.19	<b>354.27</b>	62.41	19.93	4.16	<b>1,473.8</b>	<b>22,110</b>	112.0	
12' 9	25' 0	62.6%	92,964	2,213	351,906	351.91	<b>355.0</b>	62.41	19.95	4.17	<b>1,480.4</b>	<b>22,156</b>	111.4	
12' 10	24' 11	62.7%	93,153	2,218	352,624	352.62	<b>355.72</b>	62.40	19.98	4.19	<b>1,490.5</b>	<b>22,197</b>	110.9	
12' 11	24' 10	62.9%	93,343	2,222	353,341	353.34	<b>356.45</b>	62.40	20.00	4.21	<b>1,500.7</b>	<b>22,242</b>	110.3	
13' 0	24' 9	63.0%	93,532	2,227	354,057	354.06	<b>357.17</b>	62.39	20.02	4.23	<b>1,510.8</b>	<b>22,284</b>	109.8	
13' 1	24' 8	63.1%	93,721	2,231	354,773	354.77	<b>357.89</b>	62.39	20.05	4.24	<b>1,517.5</b>	<b>22,329</b>	109.2	
13' 2	24' 7	63.2%	93,910	2,236	355,488	355.49	<b>358.61</b>	62.39	20.07	4.26	<b>1,527.7</b>	<b>22,374</b>	108.7	
13' 3	24' 6	63.4%	94,099	2,240	356,203	356.20	<b>359.33</b>	62.38	20.09	4.28	<b>1,537.9</b>	<b>22,415</b>	108.2	
13' 4	24' 5	63.5%	94,287	2,245	356,917	356.92	<b>360.05</b>	62.38	20.12	4.30	<b>1,548.2</b>	<b>22,460</b>	107.7	
13' 5	24' 4	63.6%	94,476	2,249	357,630	357.63	<b>360.77</b>	62.37	20.14	4.32	<b>1,558.5</b>	<b>22,501</b>	107.2	
13' 6	24' 3	63.7%	94,664	2,254	358,343	358.34	<b>361.49</b>	62.37	20.16	4.34	<b>1,568.9</b>	<b>22,546</b>	106.8	
13' 7	24' 2	63.9%	94,852	2,258	359,056	359.06	<b>362.21</b>	62.37	20.19	4.35	<b>1,575.6</b>	<b>22,591</b>	106.3	
13' 8	24' 1	64.0%	95,040	2,263	359,767	359.77	<b>362.93</b>	62.36	20.21	4.37	<b>1,586.0</b>	<b>22,632</b>	105.9	
13' 9	24' 0	64.1%	95,228	2,267	360,479	360.48	<b>363.65</b>	62.36	20.23	4.39	<b>1,596.4</b>	<b>22,677</b>	105.4	

Tank		Ballast #1 STBD											
Specific Gravity		1.025											
Trim		0											
Capacity		148,510 Gallons											
Label(s)		Ball#1.s											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
13' 10	23' 11	64.2%	95,416	2,272	361,189	361.19	<b>364.36</b>	62.36	20.26	4.41	<b>1,606.8</b>	<b>22,721</b>	105.0
13' 11	23' 10	64.4%	95,604	2,276	361,900	361.90	<b>365.08</b>	62.35	20.28	4.43	<b>1,617.3</b>	<b>22,763</b>	104.6
14' 0	23' 9	64.5%	95,791	2,281	362,610	362.61	<b>365.80</b>	62.35	20.30	4.45	<b>1,627.8</b>	<b>22,808</b>	104.2
14' 1	23' 8	64.6%	95,979	2,285	363,319	363.32	<b>366.51</b>	62.34	20.32	4.47	<b>1,638.3</b>	<b>22,848</b>	103.8
14' 2	23' 7	64.8%	96,166	2,290	364,029	364.03	<b>367.23</b>	62.34	20.35	4.49	<b>1,648.9</b>	<b>22,893</b>	103.5
14' 3	23' 6	64.9%	96,353	2,294	364,737	364.74	<b>367.94</b>	62.34	20.37	4.50	<b>1,655.7</b>	<b>22,937</b>	103.2
14' 4	23' 5	65.0%	96,541	2,299	365,446	365.45	<b>368.66</b>	62.33	20.39	4.52	<b>1,666.3</b>	<b>22,979</b>	102.8
14' 5	23' 4	65.1%	96,728	2,303	366,154	366.15	<b>369.37</b>	62.33	20.41	4.54	<b>1,676.9</b>	<b>23,023</b>	102.5
14' 6	23' 3	65.3%	96,915	2,307	366,862	366.86	<b>370.09</b>	62.33	20.44	4.56	<b>1,687.6</b>	<b>23,068</b>	102.2
14' 7	23' 2	65.4%	97,102	2,312	367,570	367.57	<b>370.80</b>	62.32	20.46	4.58	<b>1,698.3</b>	<b>23,108</b>	102.0
14' 8	23' 1	65.5%	97,288	2,316	368,277	368.28	<b>371.51</b>	62.32	20.48	4.60	<b>1,708.9</b>	<b>23,153</b>	101.7
14' 9	23' 0	65.6%	97,475	2,321	368,984	368.98	<b>372.23</b>	62.32	20.50	4.62	<b>1,719.7</b>	<b>23,197</b>	101.4
14' 10	22' 11	65.8%	97,662	2,325	369,691	369.69	<b>372.94</b>	62.31	20.52	4.64	<b>1,730.4</b>	<b>23,238</b>	101.2
14' 11	22' 10	65.9%	97,849	2,330	370,398	370.40	<b>373.65</b>	62.31	20.55	4.66	<b>1,741.2</b>	<b>23,282</b>	101.1
15' 0	22' 9	66.0%	98,035	2,334	371,104	371.10	<b>374.37</b>	62.31	20.57	4.68	<b>1,752.1</b>	<b>23,327</b>	100.9
15' 1	22' 8	66.1%	98,222	2,339	371,811	371.81	<b>375.08</b>	62.30	20.59	4.70	<b>1,762.9</b>	<b>23,367</b>	100.7
15' 2	22' 7	66.3%	98,409	2,343	372,517	372.52	<b>375.79</b>	62.30	20.61	4.72	<b>1,773.7</b>	<b>23,412</b>	100.6
15' 3	22' 6	66.4%	98,595	2,348	373,223	373.22	<b>376.50</b>	62.30	20.63	4.74	<b>1,784.6</b>	<b>23,456</b>	100.5
15' 4	22' 5	66.5%	98,782	2,352	373,929	373.93	<b>377.22</b>	62.30	20.65	4.76	<b>1,795.6</b>	<b>23,501</b>	100.4
15' 5	22' 4	66.6%	98,968	2,356	374,635	374.63	<b>377.93</b>	62.29	20.67	4.78	<b>1,806.5</b>	<b>23,541</b>	100.4
15' 6	22' 3	66.8%	99,155	2,361	375,341	375.34	<b>378.64</b>	62.29	20.70	4.80	<b>1,817.5</b>	<b>23,585</b>	100.3
15' 7	22' 2	66.9%	99,341	2,365	376,047	376.05	<b>379.35</b>	62.29	20.72	4.82	<b>1,828.5</b>	<b>23,630</b>	100.3
15' 8	22' 1	67.0%	99,528	2,370	376,753	376.75	<b>380.06</b>	62.28	20.74	4.84	<b>1,839.5</b>	<b>23,670</b>	100.3
15' 9	22' 0	67.1%	99,714	2,374	377,459	377.46	<b>380.78</b>	62.28	20.76	4.86	<b>1,850.6</b>	<b>23,715</b>	100.3
15' 10	21' 11	67.3%	99,901	2,379	378,165	378.16	<b>381.49</b>	62.28	20.78	4.88	<b>1,861.7</b>	<b>23,759</b>	100.3
15' 11	21' 10	67.4%	100,087	2,383	378,871	378.87	<b>382.20</b>	62.27	20.80	4.90	<b>1,872.8</b>	<b>23,800</b>	100.3
16' 0	21' 9	67.5%	100,274	2,387	379,576	379.58	<b>382.91</b>	62.27	20.82	4.92	<b>1,883.9</b>	<b>23,844</b>	100.3
16' 1	21' 8	67.6%	100,460	2,392	380,282	380.28	<b>383.62</b>	62.27	20.84	4.94	<b>1,895.1</b>	<b>23,888</b>	100.3
16' 2	21' 7	67.8%	100,647	2,396	380,988	380.99	<b>384.34</b>	62.26	20.86	4.97	<b>1,910.2</b>	<b>23,929</b>	100.3
16' 3	21' 6	67.9%	100,833	2,401	381,694	381.69	<b>385.05</b>	62.26	20.88	4.99	<b>1,921.4</b>	<b>23,973</b>	100.3
16' 4	21' 5	68.0%	101,019	2,405	382,400	382.40	<b>385.76</b>	62.26	20.90	5.01	<b>1,932.7</b>	<b>24,017</b>	100.3
16' 5	21' 4	68.1%	101,206	2,410	383,106	383.11	<b>386.47</b>	62.26	20.92	5.03	<b>1,943.9</b>	<b>24,062</b>	100.3
16' 6	21' 3	68.3%	101,392	2,414	383,812	383.81	<b>387.19</b>	62.25	20.94	5.05	<b>1,955.3</b>	<b>24,103</b>	100.3

Tank		Ballast #1 STBD												
Specific Gravity		1.025												
Trim		0												
Capacity		148,510 Gallons												
Label(s)		Ball#1.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
16' 7	21' 2	68.4%	101,579	2,419	384,518	384.52	<b>387.90</b>	62.25	20.96	5.07	<b>1,966.7</b>	<b>24,147</b>	100.3	
16' 8	21' 1	68.5%	101,765	2,423	385,224	385.22	<b>388.61</b>	62.25	20.98	5.09	<b>1,978.0</b>	<b>24,191</b>	100.3	
16' 9	21' 0	68.6%	101,952	2,427	385,930	385.93	<b>389.32</b>	62.24	21.00	5.11	<b>1,989.4</b>	<b>24,231</b>	100.3	
16' 10	20' 11	68.8%	102,138	2,432	386,636	386.64	<b>390.03</b>	62.24	21.02	5.14	<b>2,004.8</b>	<b>24,275</b>	100.3	
16' 11	20' 10	68.9%	102,325	2,436	387,342	387.34	<b>390.75</b>	62.24	21.04	5.16	<b>2,016.3</b>	<b>24,320</b>	100.3	
17' 0	20' 9	69.0%	102,511	2,441	388,048	388.05	<b>391.46</b>	62.24	21.06	5.18	<b>2,027.8</b>	<b>24,364</b>	100.3	
17' 1	20' 8	69.2%	102,698	2,445	388,754	388.75	<b>392.17</b>	62.23	21.08	5.20	<b>2,039.3</b>	<b>24,405</b>	100.3	
17' 2	20' 7	69.3%	102,884	2,450	389,460	389.46	<b>392.88</b>	62.23	21.10	5.22	<b>2,050.8</b>	<b>24,449</b>	100.3	
17' 3	20' 6	69.4%	103,071	2,454	390,166	390.17	<b>393.59</b>	62.23	21.12	5.24	<b>2,062.4</b>	<b>24,493</b>	100.3	
17' 4	20' 5	69.5%	103,257	2,459	390,872	390.87	<b>394.31</b>	62.22	21.14	5.27	<b>2,078.0</b>	<b>24,534</b>	100.3	
17' 5	20' 4	69.7%	103,444	2,463	391,577	391.58	<b>395.02</b>	62.22	21.16	5.29	<b>2,089.7</b>	<b>24,578</b>	100.3	
17' 6	20' 3	69.8%	103,630	2,467	392,284	392.28	<b>395.73</b>	62.22	21.18	5.31	<b>2,101.3</b>	<b>24,622</b>	100.3	
17' 7	20' 2	69.9%	103,817	2,472	392,989	392.99	<b>396.44</b>	62.22	21.20	5.33	<b>2,113.0</b>	<b>24,666</b>	100.3	
17' 8	20' 1	70.0%	104,003	2,476	393,696	393.70	<b>397.16</b>	62.21	21.22	5.35	<b>2,124.8</b>	<b>24,707</b>	100.3	
17' 9	20' 0	70.2%	104,190	2,481	394,402	394.40	<b>397.87</b>	62.21	21.24	5.38	<b>2,140.5</b>	<b>24,751</b>	100.3	
17' 10	19' 11	70.3%	104,376	2,485	395,108	395.11	<b>398.58</b>	62.21	21.26	5.40	<b>2,152.3</b>	<b>24,796</b>	100.3	
17' 11	19' 10	70.4%	104,563	2,490	395,813	395.81	<b>399.29</b>	62.21	21.28	5.42	<b>2,164.2</b>	<b>24,840</b>	100.3	
18' 0	19' 9	70.5%	104,749	2,494	396,519	396.52	<b>400.0</b>	62.20	21.29	5.44	<b>2,176.0</b>	<b>24,880</b>	100.3	
18' 1	19' 8	70.7%	104,936	2,498	397,226	397.23	<b>400.72</b>	62.20	21.31	5.47	<b>2,191.9</b>	<b>24,925</b>	100.3	
18' 2	19' 7	70.8%	105,122	2,503	397,931	397.93	<b>401.43</b>	62.20	21.33	5.49	<b>2,203.9</b>	<b>24,969</b>	100.3	
18' 3	19' 6	70.9%	105,309	2,507	398,638	398.64	<b>402.14</b>	62.19	21.35	5.51	<b>2,215.8</b>	<b>25,009</b>	100.3	
18' 4	19' 5	71.0%	105,495	2,512	399,343	399.34	<b>402.85</b>	62.19	21.37	5.53	<b>2,227.8</b>	<b>25,053</b>	100.3	
18' 5	19' 4	71.2%	105,682	2,516	400,050	400.05	<b>403.57</b>	62.19	21.39	5.56	<b>2,243.8</b>	<b>25,098</b>	100.3	
18' 6	19' 3	71.3%	105,868	2,521	400,755	400.76	<b>404.28</b>	62.19	21.41	5.58	<b>2,255.9</b>	<b>25,142</b>	100.3	
18' 7	19' 2	71.4%	106,055	2,525	401,461	401.46	<b>404.99</b>	62.18	21.43	5.60	<b>2,267.9</b>	<b>25,182</b>	100.3	
18' 8	19' 1	71.5%	106,241	2,530	402,167	402.17	<b>405.70</b>	62.18	21.44	5.63	<b>2,284.1</b>	<b>25,226</b>	100.3	
18' 9	19' 0	71.7%	106,428	2,534	402,873	402.87	<b>406.41</b>	62.18	21.46	5.65	<b>2,296.2</b>	<b>25,271</b>	100.3	
18' 10	18' 11	71.8%	106,614	2,538	403,579	403.58	<b>407.13</b>	62.18	21.48	5.67	<b>2,308.4</b>	<b>25,315</b>	100.3	
18' 11	18' 10	71.9%	106,801	2,543	404,285	404.29	<b>407.84</b>	62.17	21.50	5.70	<b>2,324.7</b>	<b>25,355</b>	100.3	
19' 0	18' 9	72.0%	106,987	2,547	404,991	404.99	<b>408.55</b>	62.17	21.52	5.72	<b>2,336.9</b>	<b>25,400</b>	100.3	
19' 1	18' 8	72.2%	107,174	2,552	405,697	405.70	<b>409.26</b>	62.17	21.54	5.74	<b>2,349.2</b>	<b>25,444</b>	100.3	
19' 2	18' 7	72.3%	107,360	2,556	406,403	406.40	<b>409.98</b>	62.17	21.55	5.77	<b>2,365.6</b>	<b>25,488</b>	100.3	
19' 3	18' 6	72.4%	107,547	2,561	407,109	407.11	<b>410.69</b>	62.16	21.57	5.79	<b>2,377.9</b>	<b>25,528</b>	100.3	

Tank		Ballast #1 STBD												
Specific Gravity		1.025												
Trim		0												
Capacity		148,510 Gallons												
Label(s)		Ball#1.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
19' 4	18' 5	72.5%	107,733	2,565	407,815	407.82	411.40	62.16	21.59	5.81	2,390.2	25,573	100.3	
19' 5	18' 4	72.7%	107,920	2,570	408,522	408.52	412.11	62.16	21.61	5.84	2,406.7	25,617	100.3	
19' 6	18' 3	72.8%	108,107	2,574	409,228	409.23	412.82	62.15	21.62	5.86	2,419.1	25,657	100.3	
19' 7	18' 2	72.9%	108,293	2,578	409,934	409.93	413.54	62.15	21.64	5.88	2,431.6	25,702	100.3	
19' 8	18' 1	73.0%	108,480	2,583	410,640	410.64	414.25	62.15	21.66	5.91	2,448.2	25,746	100.3	
19' 9	18' 0	73.2%	108,666	2,587	411,346	411.35	414.96	62.15	21.68	5.93	2,460.7	25,790	100.3	
19' 10	17' 11	73.3%	108,853	2,592	412,052	412.05	415.67	62.14	21.70	5.96	2,477.4	25,830	100.3	
19' 11	17' 10	73.4%	109,039	2,596	412,758	412.76	416.39	62.14	21.71	5.98	2,490.0	25,874	100.3	
20' 0	17' 9	73.5%	109,226	2,601	413,463	413.46	417.10	62.14	21.73	6.00	2,502.6	25,919	100.3	
20' 1	17' 8	73.7%	109,412	2,605	414,170	414.17	417.81	62.14	21.75	6.03	2,519.4	25,963	100.3	
20' 2	17' 7	73.8%	109,599	2,609	414,876	414.88	418.52	62.13	21.77	6.05	2,532.0	26,003	100.3	
20' 3	17' 6	73.9%	109,785	2,614	415,582	415.58	419.23	62.13	21.78	6.08	2,548.9	26,047	100.3	
20' 4	17' 5	74.1%	109,972	2,618	416,288	416.29	419.95	62.13	21.80	6.10	2,561.7	26,091	100.3	
20' 5	17' 4	74.2%	110,158	2,623	416,994	416.99	420.66	62.13	21.82	6.13	2,578.6	26,136	100.3	
20' 6	17' 3	74.3%	110,345	2,627	417,700	417.70	421.37	62.12	21.83	6.15	2,591.4	26,176	100.3	
20' 7	17' 2	74.4%	110,531	2,632	418,406	418.41	422.08	62.12	21.85	6.17	2,604.2	26,220	100.3	
20' 8	17' 1	74.6%	110,718	2,636	419,112	419.11	422.80	62.12	21.87	6.20	2,621.4	26,264	100.3	
20' 9	17' 0	74.7%	110,904	2,641	419,818	419.82	423.51	62.12	21.88	6.22	2,634.2	26,308	100.3	
20' 10	16' 11	74.8%	111,091	2,645	420,524	420.52	424.22	62.11	21.90	6.25	2,651.4	26,348	100.3	
20' 11	16' 10	74.9%	111,277	2,649	421,230	421.23	424.93	62.11	21.92	6.27	2,664.3	26,392	100.3	
21' 0	16' 9	75.1%	111,464	2,654	421,936	421.94	425.64	62.11	21.94	6.30	2,681.5	26,437	100.3	
21' 1	16' 8	75.2%	111,650	2,658	422,642	422.64	426.36	62.11	21.95	6.32	2,694.6	26,481	100.3	
21' 2	16' 7	75.3%	111,837	2,663	423,348	423.35	427.07	62.11	21.97	6.35	2,711.9	26,525	100.3	
21' 3	16' 6	75.4%	112,023	2,667	424,054	424.05	427.78	62.10	21.98	6.37	2,725.0	26,565	100.3	
21' 4	16' 5	75.6%	112,210	2,672	424,760	424.76	428.49	62.10	22.00	6.40	2,742.3	26,609	100.3	
21' 5	16' 4	75.7%	112,396	2,676	425,467	425.47	429.21	62.10	22.02	6.42	2,755.5	26,654	100.3	
21' 6	16' 3	75.8%	112,583	2,681	426,173	426.17	429.92	62.10	22.03	6.45	2,773.0	26,698	100.3	
21' 7	16' 2	75.9%	112,769	2,685	426,879	426.88	430.63	62.09	22.05	6.47	2,786.2	26,738	100.3	
21' 8	16' 1	76.1%	112,956	2,689	427,585	427.58	431.34	62.09	22.07	6.50	2,803.7	26,782	100.3	
21' 9	16' 0	76.2%	113,143	2,694	428,291	428.29	432.06	62.09	22.08	6.52	2,817.0	26,827	100.3	
21' 10	15' 11	76.3%	113,329	2,698	428,997	429.0	432.77	62.09	22.10	6.55	2,834.6	26,871	100.3	
21' 11	15' 10	76.4%	113,516	2,703	429,703	429.70	433.48	62.08	22.12	6.57	2,848.0	26,910	100.3	
22' 0	15' 9	76.6%	113,702	2,707	430,409	430.41	434.19	62.08	22.13	6.60	2,865.7	26,955	100.3	



Tank		Ballast #1 STBD												
Specific Gravity		1.025												
Trim		0												
Capacity		148,510 Gallons												
Label(s)		Ball#1.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
22' 1	15' 8	76.7%	113,889	2,712	431,115	431.12	<b>434.90</b>	62.08	22.15	6.62	<b>2,879.0</b>	<b>26,999</b>	100.3	
22' 2	15' 7	76.8%	114,075	2,716	431,821	431.82	<b>435.62</b>	62.08	22.16	6.65	<b>2,896.9</b>	<b>27,043</b>	100.3	
22' 3	15' 6	76.9%	114,262	2,721	432,527	432.53	<b>436.33</b>	62.07	22.18	6.67	<b>2,910.3</b>	<b>27,083</b>	100.3	
22' 4	15' 5	77.1%	114,448	2,725	433,234	433.23	<b>437.04</b>	62.07	22.20	6.70	<b>2,928.2</b>	<b>27,127</b>	100.3	
22' 5	15' 4	77.2%	114,635	2,729	433,940	433.94	<b>437.75</b>	62.07	22.21	6.73	<b>2,946.1</b>	<b>27,171</b>	100.3	
22' 6	15' 3	77.3%	114,821	2,734	434,646	434.65	<b>438.47</b>	62.07	22.23	6.75	<b>2,959.7</b>	<b>27,216</b>	100.3	
22' 7	15' 2	77.4%	115,008	2,738	435,352	435.35	<b>439.18</b>	62.07	22.24	6.78	<b>2,977.6</b>	<b>27,260</b>	100.3	
22' 8	15' 1	77.6%	115,194	2,743	436,058	436.06	<b>439.89</b>	62.06	22.26	6.80	<b>2,991.3</b>	<b>27,300</b>	100.3	
22' 9	15' 0	77.7%	115,381	2,747	436,764	436.76	<b>440.60</b>	62.06	22.27	6.83	<b>3,009.3</b>	<b>27,344</b>	100.3	
22' 10	14' 11	77.8%	115,567	2,752	437,470	437.47	<b>441.32</b>	62.06	22.29	6.86	<b>3,027.5</b>	<b>27,388</b>	100.3	
22' 11	14' 10	77.9%	115,754	2,756	438,176	438.18	<b>442.03</b>	62.06	22.31	6.88	<b>3,041.2</b>	<b>27,432</b>	100.3	
23' 0	14' 9	78.1%	115,941	2,760	438,883	438.88	<b>442.74</b>	62.05	22.32	6.91	<b>3,059.3</b>	<b>27,472</b>	100.3	
23' 1	14' 8	78.2%	116,127	2,765	439,589	439.59	<b>443.45</b>	62.05	22.34	6.93	<b>3,073.1</b>	<b>27,516</b>	100.3	
23' 2	14' 7	78.3%	116,314	2,769	440,294	440.29	<b>444.16</b>	62.05	22.35	6.96	<b>3,091.4</b>	<b>27,560</b>	100.3	
23' 3	14' 6	78.4%	116,500	2,774	441,001	441.0	<b>444.88</b>	62.05	22.37	6.99	<b>3,109.7</b>	<b>27,605</b>	100.3	
23' 4	14' 5	78.6%	116,687	2,778	441,707	441.71	<b>445.59</b>	62.05	22.38	7.01	<b>3,123.6</b>	<b>27,649</b>	100.3	
23' 5	14' 4	78.7%	116,873	2,783	442,413	442.41	<b>446.30</b>	62.04	22.40	7.04	<b>3,142.0</b>	<b>27,688</b>	100.3	
23' 6	14' 3	78.8%	117,060	2,787	443,119	443.12	<b>447.01</b>	62.04	22.41	7.06	<b>3,155.9</b>	<b>27,733</b>	100.3	
23' 7	14' 2	78.9%	117,246	2,792	443,825	443.83	<b>447.73</b>	62.04	22.43	7.09	<b>3,174.4</b>	<b>27,777</b>	100.3	
23' 8	14' 1	79.1%	117,433	2,796	444,532	444.53	<b>448.44</b>	62.04	22.44	7.12	<b>3,192.9</b>	<b>27,821</b>	100.3	
23' 9	14' 0	79.2%	117,619	2,800	445,237	445.24	<b>449.15</b>	62.03	22.46	7.14	<b>3,206.9</b>	<b>27,861</b>	100.3	
23' 10	13' 11	79.3%	117,806	2,805	445,944	445.94	<b>449.86</b>	62.03	22.47	7.17	<b>3,225.5</b>	<b>27,905</b>	100.3	
23' 11	13' 10	79.5%	117,992	2,809	446,650	446.65	<b>450.58</b>	62.03	22.49	7.20	<b>3,244.2</b>	<b>27,949</b>	100.3	
24' 0	13' 9	79.6%	118,179	2,814	447,356	447.36	<b>451.29</b>	62.03	22.50	7.22	<b>3,258.3</b>	<b>27,994</b>	100.3	
24' 1	13' 8	79.7%	118,366	2,818	448,062	448.06	<b>452.0</b>	62.03	22.52	7.25	<b>3,277.0</b>	<b>28,038</b>	100.3	
24' 2	13' 7	79.8%	118,552	2,823	448,768	448.77	<b>452.71</b>	62.02	22.53	7.28	<b>3,295.7</b>	<b>28,077</b>	100.3	
24' 3	13' 6	80.0%	118,739	2,827	449,474	449.47	<b>453.42</b>	62.02	22.55	7.30	<b>3,310.0</b>	<b>28,121</b>	100.3	
24' 4	13' 5	80.1%	118,925	2,832	450,180	450.18	<b>454.14</b>	62.02	22.56	7.33	<b>3,328.8</b>	<b>28,166</b>	100.3	
24' 5	13' 4	80.2%	119,112	2,836	450,887	450.89	<b>454.85</b>	62.02	22.58	7.36	<b>3,347.7</b>	<b>28,210</b>	100.3	
24' 6	13' 3	80.3%	119,298	2,840	451,593	451.59	<b>455.56</b>	62.02	22.59	7.38	<b>3,362.0</b>	<b>28,254</b>	100.3	
24' 7	13' 2	80.5%	119,485	2,845	452,299	452.30	<b>456.27</b>	62.01	22.61	7.41	<b>3,381.0</b>	<b>28,293</b>	100.3	
24' 8	13' 1	80.6%	119,671	2,849	453,005	453.01	<b>456.99</b>	62.01	22.62	7.44	<b>3,400.0</b>	<b>28,338</b>	100.3	
24' 9	13' 0	80.7%	119,858	2,854	453,712	453.71	<b>457.70</b>	62.01	22.63	7.47	<b>3,419.0</b>	<b>28,382</b>	100.3	

Tank		Ballast #1 STBD												
Specific Gravity		1.025												
Trim		0												
Capacity		148,510 Gallons												
Label(s)		Ball#1.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
24' 10	12' 11	80.8%	120,044	2,858	454,417	454.42	<b>458.41</b>	62.01	22.65	7.49	<b>3,433.5</b>	<b>28,426</b>	100.3	
24' 11	12' 10	81.0%	120,231	2,863	455,123	455.12	<b>459.12</b>	62.01	22.66	7.52	<b>3,452.6</b>	<b>28,470</b>	100.3	
25' 0	12' 9	81.1%	120,418	2,867	455,830	455.83	<b>459.84</b>	62.00	22.68	7.55	<b>3,471.8</b>	<b>28,510</b>	100.3	
25' 1	12' 8	81.2%	120,604	2,872	456,536	456.54	<b>460.55</b>	62.00	22.69	7.57	<b>3,486.4</b>	<b>28,554</b>	100.3	
25' 2	12' 7	81.3%	120,791	2,876	457,242	457.24	<b>461.26</b>	62.00	22.71	7.60	<b>3,505.6</b>	<b>28,598</b>	100.3	
25' 3	12' 6	81.5%	120,977	2,880	457,948	457.95	<b>461.97</b>	62.00	22.72	7.63	<b>3,524.8</b>	<b>28,642</b>	100.3	
25' 4	12' 5	81.6%	121,164	2,885	458,654	458.65	<b>462.69</b>	61.99	22.73	7.66	<b>3,544.2</b>	<b>28,682</b>	100.3	
25' 5	12' 4	81.7%	121,350	2,889	459,361	459.36	<b>463.40</b>	61.99	22.75	7.68	<b>3,558.9</b>	<b>28,726</b>	100.3	
25' 6	12' 3	81.8%	121,537	2,894	460,067	460.07	<b>464.11</b>	61.99	22.76	7.71	<b>3,578.3</b>	<b>28,770</b>	100.3	
25' 7	12' 2	82.0%	121,723	2,898	460,773	460.77	<b>464.82</b>	61.99	22.78	7.74	<b>3,597.7</b>	<b>28,814</b>	100.3	
25' 8	12' 1	82.1%	121,910	2,903	461,479	461.48	<b>465.54</b>	61.99	22.79	7.77	<b>3,617.2</b>	<b>28,859</b>	100.3	
25' 9	12' 0	82.2%	122,097	2,907	462,186	462.19	<b>466.25</b>	61.98	22.80	7.79	<b>3,632.1</b>	<b>28,898</b>	100.3	
25' 10	11' 11	82.3%	122,283	2,912	462,892	462.89	<b>466.96</b>	61.98	22.82	7.82	<b>3,651.6</b>	<b>28,942</b>	100.3	
25' 11	11' 10	82.5%	122,470	2,916	463,598	463.60	<b>467.67</b>	61.98	22.83	7.85	<b>3,671.2</b>	<b>28,986</b>	100.3	
26' 0	11' 9	82.6%	122,656	2,920	464,304	464.30	<b>468.38</b>	61.98	22.85	7.88	<b>3,690.8</b>	<b>29,030</b>	100.3	
26' 1	11' 8	82.7%	122,843	2,925	465,010	465.01	<b>469.10</b>	61.98	22.86	7.90	<b>3,705.9</b>	<b>29,075</b>	100.3	
26' 2	11' 7	82.8%	123,029	2,929	465,717	465.72	<b>469.81</b>	61.97	22.87	7.93	<b>3,725.6</b>	<b>29,114</b>	100.3	
26' 3	11' 6	83.0%	123,216	2,934	466,423	466.42	<b>470.52</b>	61.97	22.89	7.96	<b>3,745.3</b>	<b>29,158</b>	100.3	
26' 4	11' 5	83.1%	123,402	2,938	467,129	467.13	<b>471.23</b>	61.97	22.90	7.99	<b>3,765.1</b>	<b>29,202</b>	100.3	
26' 5	11' 4	83.2%	123,589	2,943	467,835	467.83	<b>471.95</b>	61.97	22.92	8.02	<b>3,785.0</b>	<b>29,247</b>	100.3	
26' 6	11' 3	83.3%	123,776	2,947	468,541	468.54	<b>472.66</b>	61.97	22.93	8.04	<b>3,800.2</b>	<b>29,291</b>	100.3	
26' 7	11' 2	83.5%	123,962	2,951	469,248	469.25	<b>473.37</b>	61.97	22.94	8.07	<b>3,820.1</b>	<b>29,335</b>	100.3	
26' 8	11' 1	83.6%	124,149	2,956	469,954	469.95	<b>474.08</b>	61.96	22.96	8.10	<b>3,840.0</b>	<b>29,374</b>	100.3	
26' 9	11' 0	83.7%	124,335	2,960	470,660	470.66	<b>474.80</b>	61.96	22.97	8.13	<b>3,860.1</b>	<b>29,419</b>	100.3	
26' 10	10' 11	83.8%	124,522	2,965	471,366	471.37	<b>475.51</b>	61.96	22.98	8.16	<b>3,880.2</b>	<b>29,463</b>	100.3	
26' 11	10' 10	84.0%	124,708	2,969	472,072	472.07	<b>476.22</b>	61.96	23.00	8.18	<b>3,895.5</b>	<b>29,507</b>	100.3	
27' 0	10' 9	84.1%	124,895	2,974	472,779	472.78	<b>476.93</b>	61.96	23.01	8.21	<b>3,915.6</b>	<b>29,551</b>	100.3	
27' 1	10' 8	84.2%	125,081	2,978	473,485	473.48	<b>477.65</b>	61.95	23.02	8.24	<b>3,935.8</b>	<b>29,590</b>	100.3	
27' 2	10' 7	84.3%	125,268	2,983	474,191	474.19	<b>478.36</b>	61.95	23.04	8.27	<b>3,956.0</b>	<b>29,634</b>	100.3	
27' 3	10' 6	84.5%	125,455	2,987	474,897	474.90	<b>479.07</b>	61.95	23.05	8.30	<b>3,976.3</b>	<b>29,678</b>	100.3	
27' 4	10' 5	84.6%	125,641	2,991	475,603	475.60	<b>479.78</b>	61.95	23.06	8.33	<b>3,996.6</b>	<b>29,722</b>	100.3	
27' 5	10' 4	84.7%	125,828	2,996	476,310	476.31	<b>480.50</b>	61.95	23.08	8.35	<b>4,012.2</b>	<b>29,767</b>	100.3	
27' 6	10' 3	84.9%	126,014	3,000	477,016	477.02	<b>481.21</b>	61.94	23.09	8.38	<b>4,032.5</b>	<b>29,806</b>	100.3	

Tank		Ballast #1 STBD												
Specific Gravity		1.025												
Trim		0												
Capacity		148,510 Gallons												
Label(s)		Ball#1.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
27' 7	10' 2	85.0%	126,201	3,005	477,722	477.72	481.92	61.94	23.10	8.41	4,052.9	29,850	100.3	
27' 8	10' 1	85.1%	126,387	3,009	478,428	478.43	482.63	61.94	23.11	8.44	4,073.4	29,894	100.3	
27' 9	10' 0	85.2%	126,574	3,014	479,135	479.13	483.35	61.94	23.13	8.47	4,094.0	29,939	100.3	
27' 10	9' 11	85.4%	126,761	3,018	479,841	479.84	484.06	61.94	23.14	8.50	4,114.5	29,983	100.3	
27' 11	9' 10	85.5%	126,947	3,023	480,547	480.55	484.77	61.93	23.15	8.52	4,130.2	30,022	100.3	
28' 0	9' 9	85.6%	127,134	3,027	481,253	481.25	485.48	61.93	23.17	8.55	4,150.9	30,066	100.3	
28' 1	9' 8	85.7%	127,320	3,031	481,960	481.96	486.20	61.93	23.18	8.58	4,171.6	30,110	100.3	
28' 2	9' 7	85.9%	127,507	3,036	482,666	482.67	486.91	61.93	23.19	8.61	4,192.3	30,154	100.3	
28' 3	9' 6	86.0%	127,693	3,040	483,372	483.37	487.62	61.93	23.20	8.64	4,213.0	30,198	100.3	
28' 4	9' 5	86.1%	127,880	3,045	484,078	484.08	488.33	61.93	23.22	8.67	4,233.8	30,242	100.3	
28' 5	9' 4	86.2%	128,067	3,049	484,785	484.78	489.05	61.92	23.23	8.70	4,254.7	30,282	100.3	
28' 6	9' 3	86.4%	128,253	3,054	485,491	485.49	489.76	61.92	23.24	8.73	4,275.6	30,326	100.3	
28' 7	9' 2	86.5%	128,440	3,058	486,197	486.20	490.47	61.92	23.26	8.76	4,296.5	30,370	100.3	
28' 8	9' 1	86.6%	128,626	3,063	486,904	486.90	491.18	61.92	23.27	8.78	4,312.6	30,414	100.3	
28' 9	9' 0	86.7%	128,813	3,067	487,609	487.61	491.90	61.92	23.28	8.81	4,333.6	30,458	100.3	
28' 10	8' 11	86.9%	128,999	3,071	488,316	488.32	492.61	61.91	23.29	8.84	4,354.7	30,497	100.3	
28' 11	8' 10	87.0%	129,186	3,076	489,022	489.02	493.32	61.91	23.31	8.87	4,375.7	30,541	100.3	
29' 0	8' 9	87.1%	129,373	3,080	489,729	489.73	494.03	61.91	23.32	8.90	4,396.9	30,585	100.3	
29' 1	8' 8	87.2%	129,559	3,085	490,435	490.43	494.75	61.91	23.33	8.93	4,418.1	30,630	100.3	
29' 2	8' 7	87.4%	129,746	3,089	491,141	491.14	495.46	61.91	23.34	8.96	4,439.3	30,674	100.3	
29' 3	8' 6	87.5%	129,932	3,094	491,847	491.85	496.17	61.91	23.35	8.99	4,460.6	30,718	100.3	
29' 4	8' 5	87.6%	130,119	3,098	492,554	492.55	496.88	61.90	23.37	9.02	4,481.9	30,757	100.3	
29' 5	8' 4	87.7%	130,306	3,103	493,260	493.26	497.60	61.90	23.38	9.05	4,503.3	30,801	100.3	
29' 6	8' 3	87.9%	130,492	3,107	493,966	493.97	498.31	61.90	23.39	9.08	4,524.7	30,845	100.3	
29' 7	8' 2	88.0%	130,679	3,111	494,673	494.67	499.02	61.90	23.40	9.11	4,546.1	30,889	100.3	
29' 8	8' 1	88.1%	130,865	3,116	495,379	495.38	499.73	61.90	23.42	9.13	4,562.5	30,933	100.3	
29' 9	8' 0	88.2%	131,052	3,120	496,085	496.09	500.45	61.90	23.43	9.16	4,584.1	30,978	100.3	
29' 10	7' 11	88.4%	131,238	3,125	496,791	496.79	501.16	61.89	23.44	9.19	4,605.7	31,017	100.3	
29' 11	7' 10	88.5%	131,425	3,129	497,498	497.50	501.87	61.89	23.45	9.22	4,627.2	31,061	100.3	
30' 0	7' 9	88.6%	131,612	3,134	498,204	498.20	502.58	61.89	23.46	9.25	4,648.9	31,105	100.3	
30' 1	7' 8	88.7%	131,798	3,138	498,910	498.91	503.30	61.89	23.48	9.28	4,670.6	31,149	100.3	
30' 2	7' 7	88.9%	131,985	3,142	499,617	499.62	504.01	61.89	23.49	9.31	4,692.3	31,193	100.3	
30' 3	7' 6	89.0%	132,171	3,147	500,323	500.32	504.72	61.88	23.50	9.34	4,714.1	31,232	100.3	

Tank		Ballast #1 STBD												
Specific Gravity		1.025												
Trim		0												
Capacity		148,510 Gallons												
Label(s)		Ball#1.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
30' 4	7' 5	89.1%	132,358	3,151	501,029	501.03	505.43	61.88	23.51	9.37	4,735.9	31,276	100.3	
30' 5	7' 4	89.2%	132,545	3,156	501,736	501.74	506.15	61.88	23.52	9.40	4,757.8	31,321	100.3	
30' 6	7' 3	89.4%	132,731	3,160	502,442	502.44	506.86	61.88	23.54	9.43	4,779.7	31,364	100.3	
30' 7	7' 2	89.5%	132,918	3,165	503,148	503.15	507.57	61.88	23.55	9.46	4,801.6	31,408	100.3	
30' 8	7' 1	89.6%	133,104	3,169	503,855	503.85	508.28	61.88	23.56	9.49	4,823.6	31,452	100.3	
30' 9	7' 0	89.8%	133,291	3,174	504,561	504.56	509.0	61.87	23.57	9.52	4,845.7	31,492	100.3	
30' 10	6' 11	89.9%	133,478	3,178	505,267	505.27	509.71	61.87	23.58	9.55	4,867.7	31,536	100.3	
30' 11	6' 10	90.0%	133,664	3,182	505,974	505.97	510.42	61.87	23.59	9.58	4,889.8	31,580	100.3	
31' 0	6' 9	90.1%	133,851	3,187	506,680	506.68	511.13	61.87	23.61	9.61	4,912.0	31,624	100.3	
31' 1	6' 8	90.3%	134,037	3,191	507,386	507.39	511.85	61.87	23.62	9.64	4,934.2	31,668	100.3	
31' 2	6' 7	90.4%	134,224	3,196	508,092	508.09	512.56	61.87	23.63	9.67	4,956.5	31,712	100.3	
31' 3	6' 6	90.5%	134,410	3,200	508,799	508.80	513.27	61.86	23.64	9.70	4,978.7	31,751	100.3	
31' 4	6' 5	90.6%	134,597	3,205	509,505	509.51	513.98	61.86	23.65	9.73	5,001.0	31,795	100.3	
31' 5	6' 4	90.8%	134,784	3,209	510,211	510.21	514.70	61.86	23.66	9.76	5,023.5	31,839	100.3	
31' 6	6' 3	90.9%	134,970	3,214	510,918	510.92	515.41	61.86	23.67	9.79	5,045.9	31,883	100.3	
31' 7	6' 2	91.0%	135,157	3,218	511,624	511.62	516.12	61.86	23.69	9.82	5,068.3	31,927	100.3	
31' 8	6' 1	91.1%	135,343	3,222	512,331	512.33	516.83	61.86	23.70	9.85	5,090.8	31,971	100.3	
31' 9	6' 0	91.3%	135,530	3,227	513,037	513.04	517.55	61.85	23.71	9.88	5,113.4	32,010	100.3	
31' 10	5' 11	91.4%	135,717	3,231	513,743	513.74	518.26	61.85	23.72	9.91	5,136.0	32,054	100.3	
31' 11	5' 10	91.5%	135,903	3,236	514,450	514.45	518.97	61.85	23.73	9.94	5,158.6	32,098	100.3	
32' 0	5' 9	91.6%	136,090	3,240	515,156	515.16	519.68	61.85	23.74	9.97	5,181.2	32,142	100.3	
32' 1	5' 8	91.8%	136,276	3,245	515,862	515.86	520.40	61.85	23.75	10.00	5,204.0	32,187	100.3	
32' 2	5' 7	91.9%	136,463	3,249	516,569	516.57	521.11	61.85	23.77	10.03	5,226.7	32,231	100.3	
32' 3	5' 6	92.0%	136,650	3,254	517,275	517.28	521.82	61.85	23.78	10.06	5,249.5	32,275	100.3	
32' 4	5' 5	92.1%	136,836	3,258	517,981	517.98	522.53	61.84	23.79	10.09	5,272.3	32,313	100.3	
32' 5	5' 4	92.3%	137,023	3,262	518,688	518.69	523.25	61.84	23.80	10.12	5,295.3	32,358	100.3	
32' 6	5' 3	92.4%	137,209	3,267	519,394	519.39	523.96	61.84	23.81	10.15	5,318.2	32,402	100.3	
32' 7	5' 2	92.5%	137,396	3,271	520,100	520.10	524.67	61.84	23.82	10.18	5,341.1	32,446	100.3	
32' 8	5' 1	92.6%	137,583	3,276	520,807	520.81	525.38	61.84	23.83	10.22	5,369.4	32,489	100.3	
32' 9	5' 0	92.8%	137,769	3,280	521,513	521.51	526.10	61.84	23.84	10.25	5,392.5	32,534	100.3	
32' 10	4' 11	92.9%	137,956	3,285	522,220	522.22	526.81	61.83	23.85	10.28	5,415.6	32,573	100.3	
32' 11	4' 10	93.0%	138,142	3,289	522,926	522.93	527.52	61.83	23.86	10.31	5,438.7	32,617	100.3	
33' 0	4' 9	93.1%	138,329	3,294	523,632	523.63	528.23	61.83	23.88	10.34	5,461.9	32,660	100.3	

Tank		Ballast #1 STBD												
Specific Gravity		1.025												
Trim		0												
Capacity		148,510 Gallons												
Label(s)		Ball#1.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
33' 1	4' 8	93.3%	138,516	3,298	524,339	524.34	<b>528.95</b>	61.83	23.89	10.37	<b>5,485.2</b>	<b>32,705</b>	100.3	
33' 2	4' 7	93.4%	138,702	3,302	525,045	525.04	<b>529.66</b>	61.83	23.90	10.40	<b>5,508.5</b>	<b>32,749</b>	100.3	
33' 3	4' 6	93.5%	138,889	3,307	525,751	525.75	<b>530.37</b>	61.83	23.91	10.43	<b>5,531.8</b>	<b>32,793</b>	100.3	
33' 4	4' 5	93.6%	139,075	3,311	526,458	526.46	<b>531.08</b>	61.82	23.92	10.46	<b>5,555.1</b>	<b>32,831</b>	100.3	
33' 5	4' 4	93.8%	139,262	3,316	527,164	527.16	<b>531.80</b>	61.82	23.93	10.49	<b>5,578.6</b>	<b>32,876</b>	100.3	
33' 6	4' 3	93.9%	139,449	3,320	527,870	527.87	<b>532.51</b>	61.82	23.94	10.52	<b>5,602.0</b>	<b>32,920</b>	100.3	
33' 7	4' 2	94.0%	139,635	3,325	528,577	528.58	<b>533.22</b>	61.82	23.95	10.55	<b>5,625.5</b>	<b>32,964</b>	100.3	
33' 8	4' 1	94.1%	139,822	3,329	529,283	529.28	<b>533.94</b>	61.82	23.96	10.58	<b>5,649.1</b>	<b>33,008</b>	100.3	
33' 9	4' 0	94.3%	140,009	3,334	529,990	529.99	<b>534.65</b>	61.82	23.97	10.62	<b>5,678.0</b>	<b>33,052</b>	100.3	
33' 10	3' 11	94.4%	140,195	3,338	530,696	530.70	<b>535.36</b>	61.82	23.98	10.65	<b>5,701.6</b>	<b>33,096</b>	100.3	
33' 11	3' 10	94.5%	140,382	3,342	531,403	531.40	<b>536.07</b>	61.81	23.99	10.68	<b>5,725.2</b>	<b>33,134</b>	100.3	
34' 0	3' 9	94.7%	140,568	3,347	532,109	532.11	<b>536.79</b>	61.81	24.00	10.71	<b>5,749.0</b>	<b>33,179</b>	100.3	
34' 1	3' 8	94.8%	140,755	3,351	532,815	532.82	<b>537.50</b>	61.81	24.01	10.74	<b>5,772.8</b>	<b>33,223</b>	100.3	
34' 2	3' 7	94.9%	140,942	3,356	533,522	533.52	<b>538.21</b>	61.81	24.02	10.77	<b>5,796.5</b>	<b>33,267</b>	100.3	
34' 3	3' 6	95.0%	141,128	3,360	534,228	534.23	<b>538.92</b>	61.81	24.03	10.80	<b>5,820.3</b>	<b>33,311</b>	100.3	
34' 4	3' 5	95.2%	141,315	3,365	534,934	534.93	<b>539.64</b>	61.81	24.05	10.83	<b>5,844.3</b>	<b>33,355</b>	100.3	
34' 5	3' 4	95.3%	141,501	3,369	535,641	535.64	<b>540.35</b>	61.80	24.06	10.86	<b>5,868.2</b>	<b>33,394</b>	100.3	
34' 6	3' 3	95.4%	141,688	3,374	536,347	536.35	<b>541.06</b>	61.80	24.07	10.90	<b>5,897.6</b>	<b>33,438</b>	100.3	
34' 7	3' 2	95.5%	141,875	3,378	537,053	537.05	<b>541.77</b>	61.80	24.08	10.93	<b>5,921.5</b>	<b>33,481</b>	100.3	
34' 8	3' 1	95.7%	142,061	3,382	537,760	537.76	<b>542.49</b>	61.80	24.09	10.96	<b>5,945.7</b>	<b>33,526</b>	100.3	
34' 9	3' 0	95.8%	142,248	3,387	538,466	538.47	<b>543.20</b>	61.80	24.10	10.99	<b>5,969.8</b>	<b>33,570</b>	100.3	
34' 10	2' 11	95.9%	142,434	3,391	539,173	539.17	<b>543.91</b>	61.80	24.11	11.02	<b>5,993.9</b>	<b>33,614</b>	100.3	
34' 11	2' 10	96.0%	142,621	3,396	539,879	539.88	<b>544.62</b>	61.80	24.12	11.05	<b>6,018.1</b>	<b>33,658</b>	100.3	
35' 0	2' 9	96.2%	142,808	3,400	540,586	540.59	<b>545.34</b>	61.79	24.13	11.08	<b>6,042.4</b>	<b>33,697</b>	100.3	
35' 1	2' 8	96.3%	142,994	3,405	541,292	541.29	<b>546.05</b>	61.79	24.14	11.11	<b>6,066.6</b>	<b>33,740</b>	100.3	
35' 2	2' 7	96.4%	143,181	3,409	541,999	542.0	<b>546.76</b>	61.79	24.15	11.15	<b>6,096.4</b>	<b>33,784</b>	100.3	
35' 3	2' 6	96.5%	143,368	3,414	542,705	542.71	<b>547.47</b>	61.79	24.16	11.18	<b>6,120.7</b>	<b>33,828</b>	100.3	
35' 4	2' 5	96.7%	143,554	3,418	543,411	543.41	<b>548.19</b>	61.79	24.17	11.21	<b>6,145.2</b>	<b>33,873</b>	100.3	
35' 5	2' 4	96.8%	143,741	3,422	544,118	544.12	<b>548.90</b>	61.79	24.18	11.24	<b>6,169.6</b>	<b>33,917</b>	100.3	
35' 6	2' 3	96.9%	143,927	3,427	544,824	544.82	<b>549.61</b>	61.79	24.19	11.27	<b>6,194.1</b>	<b>33,960</b>	100.3	
35' 7	2' 2	97.0%	144,114	3,431	545,531	545.53	<b>550.33</b>	61.78	24.20	11.30	<b>6,218.7</b>	<b>33,999</b>	100.3	
35' 8	2' 1	97.2%	144,301	3,436	546,237	546.24	<b>551.04</b>	61.78	24.21	11.34	<b>6,248.8</b>	<b>34,043</b>	100.3	
35' 9	2' 0	97.3%	144,487	3,440	546,944	546.94	<b>551.75</b>	61.78	24.22	11.37	<b>6,273.4</b>	<b>34,087</b>	100.3	

Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
35' 10	1' 11	97.4%	144,674	3,445	547,650	547.65	<b>552.46</b>	61.78	24.23	11.40	<b>6,298.0</b>	<b>34,131</b>	100.3
35' 11	1' 10	97.5%	144,860	3,449	548,356	548.36	<b>553.18</b>	61.78	24.24	11.43	<b>6,322.8</b>	<b>34,175</b>	100.3
36' 0	1' 9	97.7%	145,047	3,454	549,063	549.06	<b>553.89</b>	61.78	24.25	11.46	<b>6,347.6</b>	<b>34,219</b>	100.3
36' 1	1' 8	97.8%	145,234	3,458	549,769	549.77	<b>554.60</b>	61.78	24.26	11.49	<b>6,372.4</b>	<b>34,263</b>	100.3
36' 2	1' 7	97.9%	145,420	3,462	550,476	550.48	<b>555.31</b>	61.77	24.27	11.53	<b>6,402.7</b>	<b>34,301</b>	100.3
36' 3	1' 6	98.0%	145,607	3,467	551,182	551.18	<b>556.03</b>	61.77	24.28	11.56	<b>6,427.7</b>	<b>34,346</b>	100.3
36' 4	1' 5	98.2%	145,794	3,471	551,888	551.89	<b>556.74</b>	61.77	24.29	11.59	<b>6,452.6</b>	<b>34,390</b>	100.3
36' 5	1' 4	98.3%	145,980	3,476	552,595	552.60	<b>557.45</b>	61.77	24.30	11.62	<b>6,477.6</b>	<b>34,434</b>	100.3
36' 6	1' 3	98.4%	146,167	3,480	553,302	553.30	<b>558.16</b>	61.77	24.31	11.65	<b>6,502.6</b>	<b>34,478</b>	100.3
36' 7	1' 2	98.5%	146,353	3,485	554,008	554.01	<b>558.88</b>	61.77	24.32	11.68	<b>6,527.7</b>	<b>34,522</b>	100.1
36' 8	1' 1	98.7%	146,540	3,489	554,713	554.71	<b>559.59</b>	61.77	24.33	11.72	<b>6,558.4</b>	<b>34,566</b>	99.6
36' 9	1' 0	98.8%	146,725	3,493	555,416	555.42	<b>560.30</b>	61.76	24.34	11.75	<b>6,583.5</b>	<b>34,604</b>	99.1
36' 10	0' 11	98.9%	146,910	3,498	556,116	556.12	<b>561.0</b>	61.76	24.35	11.78	<b>6,608.6</b>	<b>34,647</b>	98.6
36' 11	0' 10	99.0%	147,095	3,502	556,814	556.81	<b>561.71</b>	61.76	24.35	11.81	<b>6,633.8</b>	<b>34,691</b>	98.1
37' 0	0' 9	99.2%	147,278	3,507	557,509	557.51	<b>562.41</b>	61.76	24.36	11.84	<b>6,658.9</b>	<b>34,734</b>	97.5
37' 1	0' 8	99.3%	147,461	3,511	558,200	558.20	<b>563.11</b>	61.76	24.37	11.87	<b>6,684.1</b>	<b>34,778</b>	96.4
37' 2	0' 7	99.4%	147,642	3,515	558,884	558.88	<b>563.80</b>	61.76	24.38	11.91	<b>6,714.9</b>	<b>34,820</b>	94.4
37' 3	0' 6	99.5%	147,820	3,520	559,559	559.56	<b>564.48</b>	61.76	24.39	11.94	<b>6,739.9</b>	<b>34,862</b>	92.4
37' 4	0' 5	99.7%	147,995	3,524	560,222	560.22	<b>565.15</b>	61.75	24.40	11.97	<b>6,764.8</b>	<b>34,898</b>	90.0
37' 5	0' 4	99.8%	148,167	3,528	560,871	560.87	<b>565.80</b>	61.75	24.41	12.00	<b>6,789.6</b>	<b>34,938</b>	86.3
37' 6	0' 3	99.9%	148,332	3,532	561,498	561.50	<b>566.43</b>	61.75	24.42	12.02	<b>6,808.5</b>	<b>34,977</b>	81.5
37' 7	0' 2	100.0%	148,486	3,535	562,082	562.08	<b>567.02</b>	61.75	24.42	12.05	<b>6,832.6</b>	<b>35,013</b>	61.8
37' 7 1/4	0' 1	100.0%	148,510	3,536	562,171	562.17	<b>567.11</b>	61.75	24.42	12.05	<b>6,833.7</b>	<b>35,019</b>	54.8

Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
0' 1	37' 7	0	1883	45	7130	7	7	122	19	0	1	880	6860
0' 2	37' 6	0	3252	77	12312	12	12	122	20	0	2	1519	6976
0' 3	37' 5	0	4629	110	17522	18	18	122	20	0	4	2161	7074
0' 4	37' 4	0	6011	143	22754	23	23	122	20	0	6	2805	7156
0' 5	37' 3	0	7398	176	28003	28	28	122	20	0	8	3452	7208
0' 6	37' 2	0	8787	209	33264	33	34	122	20	0	11	4101	7257
0' 7	37' 1	0	10180	242	38536	39	39	122	20	0	14	4751	7303
0' 8	37' 0	0	11576	276	43820	44	44	122	20	0	18	5402	7347
0' 9	36' 11	0	12974	309	49114	49	50	122	20	0	22	6054	7382
0' 10	36' 10	0	14375	342	54414	54	55	122	20	1	27	6706	7406
0' 11	36' 9	0	15776	376	59720	60	60	122	20	1	33	7359	7429
1' 0	36' 8	0	17179	409	65031	65	66	122	20	1	38	8014	7451
1' 1	36' 7	0	18584	442	70347	70	71	122	20	1	44	8669	7470
1' 2	36' 6	0	19989	476	75668	76	76	122	20	1	50	9324	7486
1' 3	36' 5	0	21396	509	80992	81	82	122	20	1	58	9979	7497
1' 4	36' 4	0	22803	543	86318	86	87	122	20	1	65	10636	7505
1' 5	36' 3	0	24210	576	91646	92	92	122	20	1	73	11292	7513
1' 6	36' 2	0	25618	610	96976	97	98	122	20	1	81	11948	7520
1' 7	36' 1	0	27027	643	102307	102	103	122	20	1	90	12605	7523
1' 8	36' 0	0	28435	677	107639	108	109	122	20	1	100	13261	7526
1' 9	35' 11	0	29844	711	112971	113	114	122	20	1	109	13917	7528
1' 10	35' 10	0	31253	744	118304	118	119	122	20	1	119	14574	7530
1' 11	35' 9	0	32661	778	123637	124	125	122	20	1	130	15231	7531
2' 0	35' 8	0	34070	811	128971	129	130	122	20	1	141	15888	7532
2' 1	35' 7	0	35479	845	134304	134	135	122	20	1	153	16543	7532
2' 2	35' 6	0	36888	878	139638	140	141	122	20	1	165	17202	7533
2' 3	35' 5	0	38297	912	144972	145	146	122	20	1	177	17859	7533
2' 4	35' 4	0	39707	945	150306	150	152	122	20	1	190	18516	7534
2' 5	35' 3	0	41116	979	155640	156	157	122	20	1	203	19172	7534
2' 6	35' 2	0	42525	1012	160974	161	162	122	20	1	216	19828	7535
2' 7	35' 1	0	43934	1046	166308	166	168	122	20	1	232	20485	7535
2' 8	35' 0	0	45343	1080	171643	172	173	122	20	1	246	21142	7535
2' 9	34' 11	0	46752	1113	176977	177	179	122	20	1	261	21799	7536

Tank		Ballast #2 PORT												
Specific Gravity		1.025												
Trim		0												
Capacity		163,653 Gallons												
Label(s)		Ball#2.p												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
2' 10	34' 10	0	48162	1147	182312	182	184	122	20	2	276	22455	7536	
2' 11	34' 9	0	49571	1180	187646	188	189	122	20	2	292	23114	7536	
3' 0	34' 8	0	50980	1214	192981	193	195	122	20	2	308	23770	7536	
3' 1	34' 7	32.0%	52,389	1,247	198,316	198.32	200.06	122.09	20.11	1.63	326.1	24,425	7,536.2	
3' 2	34' 6	32.9%	53,799	1,281	203,650	203.65	205.44	122.09	20.11	1.67	343.1	25,082	7,536.2	
3' 3	34' 5	33.7%	55,208	1,314	208,985	208.99	210.82	122.09	20.11	1.71	360.5	25,739	7,536.2	
3' 4	34' 4	34.6%	56,617	1,348	214,320	214.32	216.20	122.09	20.11	1.75	378.4	26,396	7,536.2	
3' 5	34' 3	35.5%	58,027	1,382	219,654	219.65	221.58	122.09	20.12	1.79	396.6	27,053	7,536.2	
3' 6	34' 2	36.3%	59,436	1,415	224,989	224.99	226.97	122.09	20.12	1.83	415.4	27,711	7,536.2	
3' 7	34' 1	37.2%	60,845	1,449	230,323	230.32	232.35	122.09	20.12	1.88	436.8	28,368	7,536.2	
3' 8	34' 0	38.0%	62,254	1,482	235,658	235.66	237.73	122.09	20.12	1.92	456.4	29,024	7,536.2	
3' 9	33' 11	38.9%	63,664	1,516	240,993	240.99	243.11	122.09	20.12	1.96	476.5	29,681	7,536.2	
3' 10	33' 10	39.8%	65,073	1,549	246,327	246.33	248.49	122.09	20.13	2.00	497.0	30,338	7,536.2	
3' 11	33' 9	40.6%	66,482	1,583	251,662	251.66	253.87	122.09	20.13	2.04	517.9	30,995	7,536.2	
4' 0	33' 8	41.5%	67,891	1,616	256,997	257.0	259.26	122.09	20.13	2.08	539.3	31,653	7,536.2	
4' 1	33' 7	42.3%	69,301	1,650	262,331	262.33	264.64	122.08	20.13	2.13	563.7	32,307	7,536.2	
4' 2	33' 6	43.2%	70,710	1,684	267,666	267.67	270.02	122.08	20.13	2.17	585.9	32,964	7,536.2	
4' 3	33' 5	44.1%	72,119	1,717	273,000	273.0	275.40	122.08	20.13	2.21	608.6	33,621	7,536.2	
4' 4	33' 4	44.9%	73,528	1,751	278,335	278.34	280.78	122.08	20.14	2.25	631.8	34,278	7,536.2	
4' 5	33' 3	45.8%	74,938	1,784	283,670	283.67	286.16	122.08	20.14	2.29	655.3	34,934	7,536.2	
4' 6	33' 2	46.7%	76,347	1,818	289,004	289.0	291.54	122.08	20.14	2.34	682.2	35,591	7,536.2	
4' 7	33' 1	47.5%	77,756	1,851	294,339	294.34	296.93	122.08	20.14	2.38	706.7	36,249	7,536.2	
4' 8	33' 0	48.4%	79,165	1,885	299,674	299.67	302.31	122.08	20.14	2.42	731.6	36,906	7,536.2	
4' 9	32' 11	49.2%	80,575	1,918	305,008	305.01	307.69	122.08	20.14	2.46	756.9	37,563	7,536.2	
4' 10	32' 10	50.1%	81,984	1,952	310,343	310.34	313.07	122.08	20.14	2.50	782.7	38,220	7,536.2	
4' 11	32' 9	51.0%	83,393	1,986	315,678	315.68	318.45	122.08	20.14	2.54	808.9	38,876	7,536.2	
5' 0	32' 8	51.8%	84,802	2,019	321,012	321.01	323.83	122.08	20.15	2.59	838.7	39,533	7,536.2	
5' 1	32' 7	52.7%	86,212	2,053	326,347	326.35	329.22	122.08	20.15	2.63	865.8	40,191	7,536.2	
5' 2	32' 6	53.5%	87,617	2,086	331,665	331.66	334.58	122.08	20.15	2.67	893.3	40,846	6,774.0	
5' 3	32' 5	54.3%	88,879	2,116	336,445	336.45	339.40	122.08	20.18	2.71	919.8	41,434	4,266.9	
5' 4	32' 4	55.0%	89,948	2,142	340,490	340.49	343.48	122.08	20.23	2.74	941.1	41,932	2,473.2	
5' 5	32' 3	55.5%	90,822	2,162	343,799	343.80	346.82	122.07	20.30	2.76	957.2	42,336	1,272.9	
5' 6	32' 2	55.9%	91,502	2,179	346,372	346.37	349.42	122.07	20.37	2.78	971.4	42,654	546.0	



Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
5' 7	32' 1	56.2%	91,987	2,190	348,209	348.21	<b>351.27</b>	122.06	20.43	2.80	<b>983.6</b>	<b>42,876</b>	172.4
5' 8	32' 0	56.4%	92,278	2,197	349,311	349.31	<b>352.38</b>	122.06	20.48	2.81	<b>990.2</b>	<b>43,012</b>	34.0
5' 9	31' 11	56.5%	92,472	2,202	350,045	350.05	<b>353.12</b>	122.06	20.51	2.82	<b>995.8</b>	<b>43,102</b>	18.2
5' 10	31' 10	56.6%	92,660	2,206	350,756	350.76	<b>353.84</b>	122.05	20.54	2.82	<b>997.8</b>	<b>43,186</b>	18.1
5' 11	31' 9	56.7%	92,848	2,211	351,467	351.47	<b>354.56</b>	122.05	20.57	2.83	<b>1,003.4</b>	<b>43,274</b>	18.1
6' 0	31' 8	56.8%	93,035	2,215	352,178	352.18	<b>355.27</b>	122.05	20.61	2.83	<b>1,005.4</b>	<b>43,361</b>	18.1
6' 1	31' 7	57.0%	93,223	2,220	352,888	352.89	<b>355.99</b>	122.05	20.64	2.84	<b>1,011.0</b>	<b>43,449</b>	18.1
6' 2	31' 6	57.1%	93,411	2,224	353,598	353.60	<b>356.71</b>	122.05	20.67	2.85	<b>1,016.6</b>	<b>43,536</b>	18.1
6' 3	31' 5	57.2%	93,598	2,229	354,308	354.31	<b>357.42</b>	122.05	20.70	2.85	<b>1,018.6</b>	<b>43,623</b>	18.0
6' 4	31' 4	57.3%	93,786	2,233	355,017	355.02	<b>358.14</b>	122.05	20.73	2.86	<b>1,024.3</b>	<b>43,711</b>	18.0
6' 5	31' 3	57.4%	93,973	2,237	355,727	355.73	<b>358.85</b>	122.05	20.76	2.87	<b>1,029.9</b>	<b>43,798</b>	18.0
6' 6	31' 2	57.5%	94,160	2,242	356,436	356.44	<b>359.57</b>	122.05	20.80	2.88	<b>1,035.6</b>	<b>43,886</b>	18.0
6' 7	31' 1	57.7%	94,348	2,246	357,145	357.15	<b>360.28</b>	122.05	20.83	2.88	<b>1,037.6</b>	<b>43,972</b>	18.0
6' 8	31' 0	57.8%	94,535	2,251	357,854	357.85	<b>361.0</b>	122.05	20.86	2.89	<b>1,043.3</b>	<b>44,060</b>	17.9
6' 9	30' 11	57.9%	94,722	2,255	358,563	358.56	<b>361.71</b>	122.05	20.89	2.90	<b>1,049.0</b>	<b>44,147</b>	17.9
6' 10	30' 10	58.0%	94,909	2,260	359,271	359.27	<b>362.43</b>	122.05	20.92	2.91	<b>1,054.7</b>	<b>44,235</b>	17.9
6' 11	30' 9	58.1%	95,096	2,264	359,979	359.98	<b>363.14</b>	122.05	20.95	2.91	<b>1,056.7</b>	<b>44,321</b>	17.9
7' 0	30' 8	58.2%	95,284	2,269	360,687	360.69	<b>363.86</b>	122.05	20.98	2.92	<b>1,062.5</b>	<b>44,409</b>	17.9
7' 1	30' 7	58.3%	95,470	2,273	361,395	361.40	<b>364.57</b>	122.05	21.01	2.93	<b>1,068.2</b>	<b>44,496</b>	17.8
7' 2	30' 6	58.5%	95,657	2,278	362,103	362.10	<b>365.29</b>	122.05	21.04	2.94	<b>1,074.0</b>	<b>44,584</b>	17.8
7' 3	30' 5	58.6%	95,844	2,282	362,810	362.81	<b>366.0</b>	122.05	21.07	2.95	<b>1,079.7</b>	<b>44,670</b>	17.8
7' 4	30' 4	58.7%	96,031	2,286	363,517	363.52	<b>366.71</b>	122.05	21.10	2.96	<b>1,085.5</b>	<b>44,757</b>	17.8
7' 5	30' 3	58.8%	96,218	2,291	364,224	364.22	<b>367.43</b>	122.05	21.13	2.97	<b>1,091.3</b>	<b>44,845</b>	17.8
7' 6	30' 2	58.9%	96,405	2,295	364,931	364.93	<b>368.14</b>	122.05	21.16	2.97	<b>1,093.4</b>	<b>44,931</b>	17.8
7' 7	30' 1	59.0%	96,591	2,300	365,638	365.64	<b>368.85</b>	122.05	21.19	2.98	<b>1,099.2</b>	<b>45,018</b>	17.8
7' 8	30' 0	59.1%	96,778	2,304	366,345	366.35	<b>369.56</b>	122.05	21.22	2.99	<b>1,105.0</b>	<b>45,105</b>	17.8
7' 9	29' 11	59.3%	96,965	2,309	367,052	367.05	<b>370.28</b>	122.05	21.25	3.00	<b>1,110.8</b>	<b>45,193</b>	17.8
7' 10	29' 10	59.4%	97,152	2,313	367,759	367.76	<b>370.99</b>	122.05	21.28	3.01	<b>1,116.7</b>	<b>45,279</b>	17.8
7' 11	29' 9	59.5%	97,338	2,318	368,466	368.47	<b>371.70</b>	122.05	21.31	3.02	<b>1,122.5</b>	<b>45,366</b>	17.8
8' 0	29' 8	59.6%	97,525	2,322	369,172	369.17	<b>372.42</b>	122.05	21.34	3.03	<b>1,128.4</b>	<b>45,454</b>	17.8
8' 1	29' 7	59.7%	97,712	2,326	369,879	369.88	<b>373.13</b>	122.05	21.36	3.04	<b>1,134.3</b>	<b>45,541</b>	17.8
8' 2	29' 6	59.8%	97,898	2,331	370,586	370.59	<b>373.84</b>	122.05	21.39	3.05	<b>1,140.2</b>	<b>45,627</b>	17.8
8' 3	29' 5	59.9%	98,085	2,335	371,293	371.29	<b>374.56</b>	122.05	21.42	3.06	<b>1,146.2</b>	<b>45,715</b>	17.8

Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
8' 4	29' 4	60.0%	98,272	2,340	372,000	372.0	<b>375.27</b>	122.05	21.45	3.07	<b>1,152.1</b>	<b>45,802</b>	17.8
8' 5	29' 3	60.2%	98,459	2,344	372,707	372.71	<b>375.98</b>	122.05	21.48	3.08	<b>1,158.0</b>	<b>45,888</b>	17.8
8' 6	29' 2	60.3%	98,645	2,349	373,413	373.41	<b>376.70</b>	122.05	21.51	3.09	<b>1,164.0</b>	<b>45,976</b>	17.8
8' 7	29' 1	60.4%	98,832	2,353	374,120	374.12	<b>377.41</b>	122.05	21.54	3.10	<b>1,170.0</b>	<b>46,063</b>	17.8
8' 8	29' 0	60.5%	99,019	2,358	374,827	374.83	<b>378.12</b>	122.05	21.56	3.11	<b>1,176.0</b>	<b>46,150</b>	17.8
8' 9	28' 11	60.6%	99,206	2,362	375,534	375.53	<b>378.83</b>	122.05	21.59	3.12	<b>1,181.9</b>	<b>46,236</b>	17.8
8' 10	28' 10	60.7%	99,392	2,366	376,241	376.24	<b>379.55</b>	122.05	21.62	3.13	<b>1,188.0</b>	<b>46,324</b>	17.8
8' 11	28' 9	60.8%	99,579	2,371	376,948	376.95	<b>380.26</b>	122.05	21.65	3.14	<b>1,194.0</b>	<b>46,411</b>	17.8
9' 0	28' 8	61.0%	99,766	2,375	377,654	377.65	<b>380.97</b>	122.05	21.67	3.16	<b>1,203.9</b>	<b>46,497</b>	17.8
9' 1	28' 7	61.1%	99,952	2,380	378,361	378.36	<b>381.69</b>	122.05	21.70	3.17	<b>1,210.0</b>	<b>46,585</b>	17.8
9' 2	28' 6	61.2%	100,139	2,384	379,068	379.07	<b>382.40</b>	122.05	21.73	3.18	<b>1,216.0</b>	<b>46,672</b>	17.8
9' 3	28' 5	61.3%	100,326	2,389	379,775	379.77	<b>383.11</b>	122.05	21.76	3.19	<b>1,222.1</b>	<b>46,759</b>	17.8
9' 4	28' 4	61.4%	100,513	2,393	380,482	380.48	<b>383.83</b>	122.05	21.78	3.20	<b>1,228.3</b>	<b>46,846</b>	17.8
9' 5	28' 3	61.5%	100,699	2,398	381,188	381.19	<b>384.54</b>	122.05	21.81	3.21	<b>1,234.4</b>	<b>46,933</b>	17.8
9' 6	28' 2	61.6%	100,886	2,402	381,895	381.90	<b>385.25</b>	122.05	21.84	3.22	<b>1,240.5</b>	<b>47,020</b>	17.8
9' 7	28' 1	61.8%	101,073	2,406	382,602	382.60	<b>385.96</b>	122.05	21.87	3.24	<b>1,250.5</b>	<b>47,106</b>	17.8
9' 8	28' 0	61.9%	101,260	2,411	383,309	383.31	<b>386.68</b>	122.05	21.89	3.25	<b>1,256.7</b>	<b>47,194</b>	17.8
9' 9	27' 11	62.0%	101,446	2,415	384,016	384.02	<b>387.39</b>	122.05	21.92	3.26	<b>1,262.9</b>	<b>47,281</b>	17.8
9' 10	27' 10	62.1%	101,633	2,420	384,723	384.72	<b>388.10</b>	122.05	21.95	3.27	<b>1,269.1</b>	<b>47,368</b>	17.8
9' 11	27' 9	62.2%	101,820	2,424	385,429	385.43	<b>388.82</b>	122.05	21.97	3.28	<b>1,275.3</b>	<b>47,455</b>	17.8
10' 0	27' 8	62.3%	102,006	2,429	386,136	386.14	<b>389.53</b>	122.05	22.00	3.30	<b>1,285.4</b>	<b>47,542</b>	17.8
10' 1	27' 7	62.4%	102,193	2,433	386,843	386.84	<b>390.24</b>	122.05	22.03	3.31	<b>1,291.7</b>	<b>47,629</b>	17.8
10' 2	27' 6	62.6%	102,380	2,438	387,550	387.55	<b>390.96</b>	122.05	22.05	3.32	<b>1,298.0</b>	<b>47,717</b>	17.8
10' 3	27' 5	62.7%	102,567	2,442	388,257	388.26	<b>391.67</b>	122.05	22.08	3.33	<b>1,304.3</b>	<b>47,803</b>	17.8
10' 4	27' 4	62.8%	102,753	2,447	388,964	388.96	<b>392.38</b>	122.05	22.10	3.35	<b>1,314.5</b>	<b>47,890</b>	17.8
10' 5	27' 3	62.9%	102,940	2,451	389,670	389.67	<b>393.10</b>	122.05	22.13	3.36	<b>1,320.8</b>	<b>47,978</b>	17.8
10' 6	27' 2	63.0%	103,127	2,455	390,377	390.38	<b>393.81</b>	122.05	22.16	3.37	<b>1,327.1</b>	<b>48,065</b>	17.8
10' 7	27' 1	63.1%	103,314	2,460	391,084	391.08	<b>394.52</b>	122.05	22.18	3.39	<b>1,337.4</b>	<b>48,151</b>	17.8
10' 8	27' 0	63.2%	103,500	2,464	391,791	391.79	<b>395.23</b>	122.05	22.21	3.40	<b>1,343.8</b>	<b>48,238</b>	17.8
10' 9	26' 11	63.4%	103,687	2,469	392,498	392.50	<b>395.95</b>	122.05	22.23	3.41	<b>1,350.2</b>	<b>48,326</b>	17.8
10' 10	26' 10	63.5%	103,874	2,473	393,204	393.20	<b>396.66</b>	122.05	22.26	3.43	<b>1,360.5</b>	<b>48,412</b>	17.8
10' 11	26' 9	63.6%	104,060	2,478	393,911	393.91	<b>397.37</b>	122.05	22.28	3.44	<b>1,367.0</b>	<b>48,499</b>	17.8
11' 0	26' 8	63.7%	104,247	2,482	394,618	394.62	<b>398.09</b>	122.05	22.31	3.45	<b>1,373.4</b>	<b>48,587</b>	17.8

Tank		Ballast #2 PORT												
Specific Gravity		1.025												
Trim		0												
Capacity		163,653 Gallons												
Label(s)		Ball#2.p												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
11' 1	26' 7	63.8%	104,434	2,487	395,325	395.32	<b>398.80</b>	122.05	22.33	3.47	<b>1,383.8</b>	<b>48,674</b>	17.8	
11' 2	26' 6	63.9%	104,621	2,491	396,032	396.03	<b>399.51</b>	122.05	22.36	3.48	<b>1,390.3</b>	<b>48,760</b>	17.8	
11' 3	26' 5	64.0%	104,807	2,495	396,739	396.74	<b>400.23</b>	122.05	22.38	3.50	<b>1,400.8</b>	<b>48,848</b>	17.8	
11' 4	26' 4	64.2%	104,994	2,500	397,446	397.45	<b>400.94</b>	122.05	22.41	3.51	<b>1,407.3</b>	<b>48,935</b>	17.8	
11' 5	26' 3	64.3%	105,181	2,504	398,152	398.15	<b>401.65</b>	122.05	22.43	3.52	<b>1,413.8</b>	<b>49,021</b>	17.8	
11' 6	26' 2	64.4%	105,367	2,509	398,859	398.86	<b>402.36</b>	122.05	22.46	3.54	<b>1,424.4</b>	<b>49,108</b>	17.8	
11' 7	26' 1	64.5%	105,554	2,513	399,566	399.57	<b>403.08</b>	122.05	22.48	3.55	<b>1,430.9</b>	<b>49,196</b>	17.8	
11' 8	26' 0	64.6%	105,741	2,518	400,273	400.27	<b>403.79</b>	122.05	22.51	3.57	<b>1,441.5</b>	<b>49,283</b>	17.8	
11' 9	25' 11	64.7%	105,928	2,522	400,980	400.98	<b>404.50</b>	122.05	22.53	3.58	<b>1,448.1</b>	<b>49,369</b>	17.8	
11' 10	25' 10	64.8%	106,114	2,527	401,686	401.69	<b>405.22</b>	122.05	22.56	3.60	<b>1,458.8</b>	<b>49,457</b>	17.8	
11' 11	25' 9	65.0%	106,301	2,531	402,393	402.39	<b>405.93</b>	122.05	22.58	3.61	<b>1,465.4</b>	<b>49,544</b>	17.8	
12' 0	25' 8	65.1%	106,488	2,535	403,100	403.10	<b>406.64</b>	122.05	22.61	3.62	<b>1,472.0</b>	<b>49,630</b>	17.8	
12' 1	25' 7	65.2%	106,675	2,540	403,807	403.81	<b>407.36</b>	122.05	22.63	3.64	<b>1,482.8</b>	<b>49,718</b>	17.8	
12' 2	25' 6	65.3%	106,861	2,544	404,514	404.51	<b>408.07</b>	122.05	22.66	3.65	<b>1,489.5</b>	<b>49,805</b>	17.8	
12' 3	25' 5	65.4%	107,048	2,549	405,220	405.22	<b>408.78</b>	122.04	22.68	3.67	<b>1,500.2</b>	<b>49,888</b>	17.8	
12' 4	25' 4	65.5%	107,235	2,553	405,927	405.93	<b>409.50</b>	122.04	22.70	3.69	<b>1,511.1</b>	<b>49,975</b>	17.8	
12' 5	25' 3	65.6%	107,421	2,558	406,634	406.63	<b>410.21</b>	122.04	22.73	3.70	<b>1,517.8</b>	<b>50,062</b>	17.8	
12' 6	25' 2	65.8%	107,608	2,562	407,341	407.34	<b>410.92</b>	122.04	22.75	3.72	<b>1,528.6</b>	<b>50,149</b>	17.8	
12' 7	25' 1	65.9%	107,795	2,567	408,048	408.05	<b>411.63</b>	122.04	22.77	3.73	<b>1,535.4</b>	<b>50,235</b>	17.8	
12' 8	25' 0	66.0%	107,982	2,571	408,755	408.75	<b>412.35</b>	122.04	22.80	3.75	<b>1,546.3</b>	<b>50,323</b>	17.8	
12' 9	24' 11	66.1%	108,168	2,575	409,462	409.46	<b>413.06</b>	122.04	22.82	3.76	<b>1,553.1</b>	<b>50,410</b>	17.8	
12' 10	24' 10	66.2%	108,355	2,580	410,168	410.17	<b>413.77</b>	122.04	22.85	3.78	<b>1,564.1</b>	<b>50,496</b>	17.8	
12' 11	24' 9	66.3%	108,542	2,584	410,875	410.88	<b>414.49</b>	122.04	22.87	3.79	<b>1,570.9</b>	<b>50,584</b>	17.8	
13' 0	24' 8	66.4%	108,729	2,589	411,582	411.58	<b>415.20</b>	122.04	22.89	3.81	<b>1,581.9</b>	<b>50,671</b>	17.8	
13' 1	24' 7	66.6%	108,915	2,593	412,289	412.29	<b>415.91</b>	122.04	22.92	3.83	<b>1,592.9</b>	<b>50,758</b>	17.8	
13' 2	24' 6	66.7%	109,102	2,598	412,996	413.0	<b>416.63</b>	122.04	22.94	3.84	<b>1,599.9</b>	<b>50,846</b>	17.8	
13' 3	24' 5	66.8%	109,289	2,602	413,702	413.70	<b>417.34</b>	122.04	22.96	3.86	<b>1,610.9</b>	<b>50,932</b>	17.8	
13' 4	24' 4	66.9%	109,475	2,607	414,409	414.41	<b>418.05</b>	122.04	22.98	3.87	<b>1,617.9</b>	<b>51,019</b>	17.8	
13' 5	24' 3	67.0%	109,662	2,611	415,116	415.12	<b>418.76</b>	122.04	23.01	3.89	<b>1,629.0</b>	<b>51,105</b>	17.8	
13' 6	24' 2	67.1%	109,849	2,615	415,823	415.82	<b>419.48</b>	122.04	23.03	3.91	<b>1,640.2</b>	<b>51,193</b>	17.8	
13' 7	24' 1	67.2%	110,036	2,620	416,530	416.53	<b>420.19</b>	122.04	23.05	3.92	<b>1,647.1</b>	<b>51,280</b>	17.8	
13' 8	24' 0	67.4%	110,222	2,624	417,236	417.24	<b>420.90</b>	122.04	23.08	3.94	<b>1,658.3</b>	<b>51,367</b>	17.8	
13' 9	23' 11	67.5%	110,409	2,629	417,944	417.94	<b>421.62</b>	122.04	23.10	3.96	<b>1,669.6</b>	<b>51,455</b>	17.8	

Tank		Ballast #2 PORT												
Specific Gravity		1.025												
Trim		0												
Capacity		163,653 Gallons												
Label(s)		Ball#2.p												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
13' 10	23' 10	67.6%	110,596	2,633	418,650	418.65	422.33	122.04	23.12	3.97	1,676.7	51,541	17.8	
13' 11	23' 9	67.7%	110,782	2,638	419,357	419.36	423.04	122.04	23.14	3.99	1,687.9	51,628	17.8	
14' 0	23' 8	67.8%	110,969	2,642	420,064	420.06	423.76	122.04	23.17	4.01	1,699.3	51,716	17.8	
14' 1	23' 7	67.9%	111,156	2,647	420,771	420.77	424.47	122.04	23.19	4.02	1,706.4	51,802	17.8	
14' 2	23' 6	68.0%	111,343	2,651	421,478	421.48	425.18	122.04	23.21	4.04	1,717.7	51,889	17.8	
14' 3	23' 5	68.2%	111,529	2,655	422,184	422.18	425.89	122.04	23.23	4.06	1,729.1	51,976	17.8	
14' 4	23' 4	68.3%	111,716	2,660	422,891	422.89	426.61	122.04	23.25	4.08	1,740.6	52,063	17.8	
14' 5	23' 3	68.4%	111,903	2,664	423,598	423.60	427.32	122.04	23.28	4.09	1,747.7	52,150	17.8	
14' 6	23' 2	68.5%	112,090	2,669	424,305	424.30	428.03	122.04	23.30	4.11	1,759.2	52,237	17.8	
14' 7	23' 1	68.6%	112,276	2,673	425,012	425.01	428.75	122.04	23.32	4.13	1,770.7	52,325	17.8	
14' 8	23' 0	68.7%	112,463	2,678	425,718	425.72	429.46	122.04	23.34	4.15	1,782.3	52,411	17.8	
14' 9	22' 11	68.8%	112,650	2,682	426,425	426.43	430.17	122.04	23.36	4.16	1,789.5	52,498	17.8	
14' 10	22' 10	68.9%	112,836	2,687	427,132	427.13	430.89	122.04	23.39	4.18	1,801.1	52,586	17.8	
14' 11	22' 9	69.1%	113,023	2,691	427,839	427.84	431.60	122.04	23.41	4.20	1,812.7	52,672	17.8	
15' 0	22' 8	69.2%	113,210	2,695	428,546	428.55	432.31	122.04	23.43	4.22	1,824.3	52,759	17.8	
15' 1	22' 7	69.3%	113,397	2,700	429,252	429.25	433.03	122.04	23.45	4.23	1,831.7	52,847	17.8	
15' 2	22' 6	69.4%	113,583	2,704	429,960	429.96	433.74	122.04	23.47	4.25	1,843.4	52,934	17.8	
15' 3	22' 5	69.5%	113,770	2,709	430,666	430.67	434.45	122.04	23.49	4.27	1,855.1	53,020	17.8	
15' 4	22' 4	69.6%	113,957	2,713	431,373	431.37	435.16	122.04	23.51	4.29	1,866.8	53,107	17.8	
15' 5	22' 3	69.7%	114,143	2,718	432,080	432.08	435.88	122.04	23.53	4.31	1,878.6	53,195	17.8	
15' 6	22' 2	69.9%	114,330	2,722	432,787	432.79	436.59	122.04	23.56	4.33	1,890.4	53,281	17.8	
15' 7	22' 1	70.0%	114,517	2,727	433,494	433.49	437.30	122.04	23.58	4.34	1,897.9	53,368	17.8	
15' 8	22' 0	70.1%	114,704	2,731	434,200	434.20	438.02	122.04	23.60	4.36	1,909.8	53,456	17.8	
15' 9	21' 11	70.2%	114,890	2,735	434,907	434.91	438.73	122.04	23.62	4.38	1,921.6	53,543	17.8	
15' 10	21' 10	70.3%	115,077	2,740	435,614	435.61	439.44	122.04	23.64	4.40	1,933.5	53,629	17.8	
15' 11	21' 9	70.4%	115,264	2,744	436,321	436.32	440.16	122.04	23.66	4.42	1,945.5	53,717	17.8	
16' 0	21' 8	70.5%	115,451	2,749	437,028	437.03	440.87	122.04	23.68	4.44	1,957.5	53,804	17.8	
16' 1	21' 7	70.7%	115,637	2,753	437,734	437.73	441.58	122.04	23.70	4.46	1,969.4	53,890	17.8	
16' 2	21' 6	70.8%	115,824	2,758	438,441	438.44	442.29	122.04	23.72	4.48	1,981.5	53,977	17.8	
16' 3	21' 5	70.9%	116,011	2,762	439,148	439.15	443.01	122.04	23.74	4.49	1,989.1	54,065	17.8	
16' 4	21' 4	71.0%	116,197	2,767	439,855	439.86	443.72	122.04	23.76	4.51	2,001.2	54,152	17.8	
16' 5	21' 3	71.1%	116,384	2,771	440,562	440.56	444.43	122.04	23.78	4.53	2,013.3	54,238	17.8	
16' 6	21' 2	71.2%	116,571	2,775	441,269	441.27	445.15	122.04	23.80	4.55	2,025.4	54,326	17.8	

Tank		Ballast #2 PORT												
Specific Gravity		1.025												
Trim		0												
Capacity		163,653 Gallons												
Label(s)		Ball#2.p												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
16' 7	21' 1	71.3%	116,758	2,780	441,976	441.98	<b>445.86</b>	122.04	23.82	4.57	<b>2,037.6</b>	<b>54,413</b>	17.8	
16' 8	21' 0	71.5%	116,944	2,784	442,682	442.68	<b>446.57</b>	122.04	23.84	4.59	<b>2,049.8</b>	<b>54,499</b>	17.8	
16' 9	20' 11	71.6%	117,131	2,789	443,389	443.39	<b>447.29</b>	122.04	23.86	4.61	<b>2,062.0</b>	<b>54,587</b>	17.8	
16' 10	20' 10	71.7%	117,318	2,793	444,096	444.10	<b>448.0</b>	122.04	23.88	4.63	<b>2,074.2</b>	<b>54,674</b>	17.8	
16' 11	20' 9	71.8%	117,505	2,798	444,803	444.80	<b>448.71</b>	122.04	23.90	4.65	<b>2,086.5</b>	<b>54,761</b>	17.8	
17' 0	20' 8	71.9%	117,691	2,802	445,510	445.51	<b>449.43</b>	122.04	23.92	4.67	<b>2,098.8</b>	<b>54,848</b>	17.8	
17' 1	20' 7	72.0%	117,878	2,807	446,216	446.22	<b>450.14</b>	122.04	23.94	4.69	<b>2,111.2</b>	<b>54,935</b>	17.8	
17' 2	20' 6	72.1%	118,065	2,811	446,924	446.92	<b>450.85</b>	122.04	23.96	4.71	<b>2,123.5</b>	<b>55,022</b>	17.8	
17' 3	20' 5	72.3%	118,251	2,816	447,630	447.63	<b>451.56</b>	122.04	23.98	4.73	<b>2,135.9</b>	<b>55,108</b>	17.8	
17' 4	20' 4	72.4%	118,438	2,820	448,337	448.34	<b>452.28</b>	122.04	24.00	4.75	<b>2,148.3</b>	<b>55,196</b>	17.8	
17' 5	20' 3	72.5%	118,625	2,824	449,044	449.04	<b>452.99</b>	122.04	24.02	4.77	<b>2,160.8</b>	<b>55,283</b>	17.8	
17' 6	20' 2	72.6%	118,812	2,829	449,751	449.75	<b>453.70</b>	122.04	24.04	4.79	<b>2,173.2</b>	<b>55,370</b>	17.8	
17' 7	20' 1	72.7%	118,998	2,833	450,458	450.46	<b>454.42</b>	122.04	24.06	4.81	<b>2,185.8</b>	<b>55,457</b>	17.8	
17' 8	20' 0	72.8%	119,185	2,838	451,164	451.16	<b>455.13</b>	122.04	24.08	4.83	<b>2,198.3</b>	<b>55,544</b>	17.8	
17' 9	19' 11	72.9%	119,372	2,842	451,871	451.87	<b>455.84</b>	122.04	24.10	4.85	<b>2,210.8</b>	<b>55,631</b>	17.8	
17' 10	19' 10	73.1%	119,559	2,847	452,578	452.58	<b>456.56</b>	122.04	24.12	4.87	<b>2,223.4</b>	<b>55,719</b>	17.8	
17' 11	19' 9	73.2%	119,745	2,851	453,285	453.28	<b>457.27</b>	122.04	24.14	4.89	<b>2,236.1</b>	<b>55,805</b>	17.8	
18' 0	19' 8	73.3%	119,932	2,856	453,992	453.99	<b>457.98</b>	122.04	24.16	4.91	<b>2,248.7</b>	<b>55,892</b>	17.8	
18' 1	19' 7	73.4%	120,119	2,860	454,698	454.70	<b>458.69</b>	122.04	24.18	4.93	<b>2,261.3</b>	<b>55,979</b>	17.8	
18' 2	19' 6	73.5%	120,305	2,864	455,405	455.41	<b>459.41</b>	122.04	24.20	4.95	<b>2,274.1</b>	<b>56,066</b>	17.8	
18' 3	19' 5	73.6%	120,492	2,869	456,112	456.11	<b>460.12</b>	122.04	24.21	4.97	<b>2,286.8</b>	<b>56,153</b>	17.8	
18' 4	19' 4	73.7%	120,679	2,873	456,819	456.82	<b>460.83</b>	122.04	24.23	4.99	<b>2,299.5</b>	<b>56,240</b>	17.8	
18' 5	19' 3	73.9%	120,866	2,878	457,526	457.53	<b>461.55</b>	122.04	24.25	5.01	<b>2,312.4</b>	<b>56,328</b>	17.8	
18' 6	19' 2	74.0%	121,052	2,882	458,233	458.23	<b>462.26</b>	122.04	24.27	5.03	<b>2,325.2</b>	<b>56,414</b>	17.8	
18' 7	19' 1	74.1%	121,239	2,887	458,940	458.94	<b>462.97</b>	122.04	24.29	5.06	<b>2,342.6</b>	<b>56,501</b>	17.8	
18' 8	19' 0	74.2%	121,426	2,891	459,646	459.65	<b>463.69</b>	122.04	24.31	5.08	<b>2,355.5</b>	<b>56,589</b>	17.8	
18' 9	18' 11	74.3%	121,612	2,896	460,353	460.35	<b>464.40</b>	122.04	24.33	5.10	<b>2,368.4</b>	<b>56,675</b>	17.8	
18' 10	18' 10	74.4%	121,799	2,900	461,060	461.06	<b>465.11</b>	122.04	24.35	5.12	<b>2,381.4</b>	<b>56,762</b>	17.8	
18' 11	18' 9	74.5%	121,986	2,904	461,767	461.77	<b>465.83</b>	122.04	24.36	5.14	<b>2,394.4</b>	<b>56,850</b>	17.8	
19' 0	18' 8	74.7%	122,173	2,909	462,474	462.47	<b>466.54</b>	122.04	24.38	5.16	<b>2,407.3</b>	<b>56,937</b>	17.8	
19' 1	18' 7	74.8%	122,359	2,913	463,180	463.18	<b>467.25</b>	122.04	24.40	5.18	<b>2,420.4</b>	<b>57,023</b>	17.8	
19' 2	18' 6	74.9%	122,546	2,918	463,887	463.89	<b>467.96</b>	122.04	24.42	5.20	<b>2,433.4</b>	<b>57,110</b>	17.8	
19' 3	18' 5	75.0%	122,733	2,922	464,594	464.59	<b>468.68</b>	122.04	24.44	5.23	<b>2,451.2</b>	<b>57,198</b>	17.8	

Tank		Ballast #2 PORT												
Specific Gravity		1.025												
Trim		0												
Capacity		163,653 Gallons												
Label(s)		Ball#2.p												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
19' 4	18' 4	75.1%	122,920	2,927	465,301	465.30	<b>469.39</b>	122.04	24.46	5.25	<b>2,464.3</b>	<b>57,284</b>	17.8	
19' 5	18' 3	75.2%	123,106	2,931	466,008	466.01	<b>470.10</b>	122.04	24.47	5.27	<b>2,477.4</b>	<b>57,371</b>	17.8	
19' 6	18' 2	75.3%	123,293	2,936	466,715	466.71	<b>470.82</b>	122.04	24.49	5.29	<b>2,490.6</b>	<b>57,459</b>	17.8	
19' 7	18' 1	75.5%	123,480	2,940	467,422	467.42	<b>471.53</b>	122.04	24.51	5.31	<b>2,503.8</b>	<b>57,546</b>	17.8	
19' 8	18' 0	75.6%	123,666	2,944	468,128	468.13	<b>472.24</b>	122.04	24.53	5.33	<b>2,517.0</b>	<b>57,632</b>	17.8	
19' 9	17' 11	75.7%	123,853	2,949	468,835	468.83	<b>472.96</b>	122.04	24.55	5.36	<b>2,535.1</b>	<b>57,720</b>	17.8	
19' 10	17' 10	75.8%	124,040	2,953	469,542	469.54	<b>473.67</b>	122.04	24.56	5.38	<b>2,548.3</b>	<b>57,807</b>	17.8	
19' 11	17' 9	75.9%	124,227	2,958	470,249	470.25	<b>474.38</b>	122.04	24.58	5.40	<b>2,561.7</b>	<b>57,893</b>	17.8	
20' 0	17' 8	76.0%	124,413	2,962	470,956	470.96	<b>475.09</b>	122.04	24.60	5.42	<b>2,575.0</b>	<b>57,980</b>	17.8	
20' 1	17' 7	76.1%	124,600	2,967	471,663	471.66	<b>475.81</b>	122.04	24.62	5.44	<b>2,588.4</b>	<b>58,068</b>	17.8	
20' 2	17' 6	76.3%	124,787	2,971	472,369	472.37	<b>476.52</b>	122.04	24.64	5.47	<b>2,606.6</b>	<b>58,155</b>	17.8	
20' 3	17' 5	76.4%	124,974	2,976	473,076	473.08	<b>477.23</b>	122.04	24.65	5.49	<b>2,620.0</b>	<b>58,241</b>	17.8	
20' 4	17' 4	76.5%	125,160	2,980	473,783	473.78	<b>477.95</b>	122.04	24.67	5.51	<b>2,633.5</b>	<b>58,329</b>	17.8	
20' 5	17' 3	76.6%	125,347	2,984	474,490	474.49	<b>478.66</b>	122.04	24.69	5.53	<b>2,647.0</b>	<b>58,416</b>	17.8	
20' 6	17' 2	76.7%	125,534	2,989	475,197	475.20	<b>479.37</b>	122.04	24.71	5.55	<b>2,660.5</b>	<b>58,502</b>	17.8	
20' 7	17' 1	76.8%	125,720	2,993	475,903	475.90	<b>480.09</b>	122.04	24.72	5.58	<b>2,678.9</b>	<b>58,590</b>	17.8	
20' 8	17' 0	76.9%	125,907	2,998	476,610	476.61	<b>480.80</b>	122.04	24.74	5.60	<b>2,692.5</b>	<b>58,677</b>	17.8	
20' 9	16' 11	77.0%	126,094	3,002	477,317	477.32	<b>481.51</b>	122.04	24.76	5.62	<b>2,706.1</b>	<b>58,763</b>	17.8	
20' 10	16' 10	77.2%	126,281	3,007	478,024	478.02	<b>482.23</b>	122.04	24.78	5.64	<b>2,719.8</b>	<b>58,851</b>	17.8	
20' 11	16' 9	77.3%	126,467	3,011	478,731	478.73	<b>482.94</b>	122.04	24.79	5.67	<b>2,738.3</b>	<b>58,938</b>	17.8	
21' 0	16' 8	77.4%	126,654	3,016	479,438	479.44	<b>483.65</b>	122.04	24.81	5.69	<b>2,752.0</b>	<b>59,025</b>	17.8	
21' 1	16' 7	77.5%	126,841	3,020	480,145	480.14	<b>484.36</b>	122.04	24.83	5.71	<b>2,765.7</b>	<b>59,111</b>	17.8	
21' 2	16' 6	77.6%	127,028	3,024	480,851	480.85	<b>485.08</b>	122.04	24.84	5.74	<b>2,784.4</b>	<b>59,199</b>	17.8	
21' 3	16' 5	77.7%	127,214	3,029	481,558	481.56	<b>485.79</b>	122.04	24.86	5.76	<b>2,798.2</b>	<b>59,286</b>	17.8	
21' 4	16' 4	77.8%	127,401	3,033	482,265	482.26	<b>486.50</b>	122.04	24.88	5.78	<b>2,812.0</b>	<b>59,372</b>	17.8	
21' 5	16' 3	78.0%	127,588	3,038	482,972	482.97	<b>487.22</b>	122.04	24.89	5.80	<b>2,825.9</b>	<b>59,460</b>	17.8	
21' 6	16' 2	78.1%	127,774	3,042	483,679	483.68	<b>487.93</b>	122.04	24.91	5.83	<b>2,844.6</b>	<b>59,547</b>	17.8	
21' 7	16' 1	78.2%	127,961	3,047	484,385	484.39	<b>488.64</b>	122.04	24.93	5.85	<b>2,858.5</b>	<b>59,634</b>	17.8	
21' 8	16' 0	78.3%	128,148	3,051	485,092	485.09	<b>489.36</b>	122.04	24.95	5.87	<b>2,872.5</b>	<b>59,721</b>	17.8	
21' 9	15' 11	78.4%	128,335	3,056	485,799	485.80	<b>490.07</b>	122.04	24.96	5.90	<b>2,891.4</b>	<b>59,808</b>	17.8	
21' 10	15' 10	78.5%	128,521	3,060	486,506	486.51	<b>490.78</b>	122.04	24.98	5.92	<b>2,905.4</b>	<b>59,895</b>	17.8	
21' 11	15' 9	78.6%	128,708	3,064	487,213	487.21	<b>491.49</b>	122.04	25.00	5.94	<b>2,919.5</b>	<b>59,981</b>	17.8	
22' 0	15' 8	78.8%	128,895	3,069	487,920	487.92	<b>492.21</b>	122.04	25.01	5.97	<b>2,938.5</b>	<b>60,069</b>	17.8	

Tank		Ballast #2 PORT												
Specific Gravity		1.025												
Trim		0												
Capacity		163,653 Gallons												
Label(s)		Ball#2.p												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
22' 1	15' 7	78.9%	129,082	3,073	488,627	488.63	<b>492.92</b>	122.04	25.03	5.99	<b>2,952.6</b>	<b>60,156</b>	17.8	
22' 2	15' 6	79.0%	129,268	3,078	489,333	489.33	<b>493.63</b>	122.04	25.04	6.01	<b>2,966.7</b>	<b>60,243</b>	17.8	
22' 3	15' 5	79.1%	129,455	3,082	490,040	490.04	<b>494.35</b>	122.04	25.06	6.04	<b>2,985.9</b>	<b>60,330</b>	17.8	
22' 4	15' 4	79.2%	129,642	3,087	490,747	490.75	<b>495.06</b>	122.04	25.08	6.06	<b>3,000.1</b>	<b>60,417</b>	17.8	
22' 5	15' 3	79.3%	129,828	3,091	491,454	491.45	<b>495.77</b>	122.04	25.09	6.08	<b>3,014.3</b>	<b>60,504</b>	17.8	
22' 6	15' 2	79.4%	130,015	3,096	492,161	492.16	<b>496.49</b>	122.04	25.11	6.11	<b>3,033.6</b>	<b>60,592</b>	17.8	
22' 7	15' 1	79.6%	130,202	3,100	492,867	492.87	<b>497.20</b>	122.04	25.13	6.13	<b>3,047.8</b>	<b>60,678</b>	17.8	
22' 8	15' 0	79.7%	130,389	3,104	493,575	493.57	<b>497.91</b>	122.04	25.14	6.15	<b>3,062.1</b>	<b>60,765</b>	17.8	
22' 9	14' 11	79.8%	130,575	3,109	494,281	494.28	<b>498.63</b>	122.04	25.16	6.18	<b>3,081.5</b>	<b>60,853</b>	17.8	
22' 10	14' 10	79.9%	130,762	3,113	494,988	494.99	<b>499.34</b>	122.04	25.17	6.20	<b>3,095.9</b>	<b>60,939</b>	17.8	
22' 11	14' 9	80.0%	130,949	3,118	495,695	495.69	<b>500.05</b>	122.04	25.19	6.23	<b>3,115.3</b>	<b>61,026</b>	17.8	
23' 0	14' 8	80.1%	131,136	3,122	496,402	496.40	<b>500.76</b>	122.04	25.21	6.25	<b>3,129.8</b>	<b>61,113</b>	17.8	
23' 1	14' 7	80.2%	131,322	3,127	497,109	497.11	<b>501.48</b>	122.04	25.22	6.27	<b>3,144.3</b>	<b>61,201</b>	17.8	
23' 2	14' 6	80.4%	131,509	3,131	497,815	497.82	<b>502.19</b>	122.04	25.24	6.30	<b>3,163.8</b>	<b>61,287</b>	17.8	
23' 3	14' 5	80.5%	131,696	3,136	498,522	498.52	<b>502.90</b>	122.04	25.25	6.32	<b>3,178.3</b>	<b>61,374</b>	17.8	
23' 4	14' 4	80.6%	131,882	3,140	499,229	499.23	<b>503.62</b>	122.04	25.27	6.35	<b>3,198.0</b>	<b>61,462</b>	17.8	
23' 5	14' 3	80.7%	132,069	3,145	499,936	499.94	<b>504.33</b>	122.04	25.29	6.37	<b>3,212.6</b>	<b>61,548</b>	17.8	
23' 6	14' 2	80.8%	132,256	3,149	500,643	500.64	<b>505.04</b>	122.04	25.30	6.40	<b>3,232.3</b>	<b>61,635</b>	17.8	
23' 7	14' 1	80.9%	132,443	3,153	501,349	501.35	<b>505.76</b>	122.04	25.32	6.42	<b>3,247.0</b>	<b>61,723</b>	17.8	
23' 8	14' 0	81.0%	132,629	3,158	502,057	502.06	<b>506.47</b>	122.04	25.33	6.44	<b>3,261.7</b>	<b>61,810</b>	17.8	
23' 9	13' 11	81.2%	132,816	3,162	502,763	502.76	<b>507.18</b>	122.04	25.35	6.47	<b>3,281.5</b>	<b>61,896</b>	17.8	
23' 10	13' 10	81.3%	133,003	3,167	503,470	503.47	<b>507.89</b>	122.04	25.36	6.49	<b>3,296.2</b>	<b>61,983</b>	17.8	
23' 11	13' 9	81.4%	133,189	3,171	504,177	504.18	<b>508.61</b>	122.04	25.38	6.52	<b>3,316.1</b>	<b>62,071</b>	17.8	
24' 0	13' 8	81.5%	133,376	3,176	504,884	504.88	<b>509.32</b>	122.04	25.40	6.54	<b>3,331.0</b>	<b>62,157</b>	17.8	
24' 1	13' 7	81.6%	133,563	3,180	505,591	505.59	<b>510.03</b>	122.04	25.41	6.57	<b>3,350.9</b>	<b>62,244</b>	17.8	
24' 2	13' 6	81.7%	133,750	3,185	506,297	506.30	<b>510.75</b>	122.04	25.43	6.59	<b>3,365.8</b>	<b>62,332</b>	17.8	
24' 3	13' 5	81.8%	133,936	3,189	507,004	507.0	<b>511.46</b>	122.04	25.44	6.62	<b>3,385.9</b>	<b>62,419</b>	17.8	
24' 4	13' 4	82.0%	134,123	3,193	507,711	507.71	<b>512.17</b>	122.04	25.46	6.64	<b>3,400.8</b>	<b>62,505</b>	17.8	
24' 5	13' 3	82.1%	134,310	3,198	508,418	508.42	<b>512.89</b>	122.04	25.47	6.67	<b>3,421.0</b>	<b>62,593</b>	17.8	
24' 6	13' 2	82.2%	134,497	3,202	509,125	509.12	<b>513.60</b>	122.04	25.49	6.69	<b>3,436.0</b>	<b>62,680</b>	17.8	
24' 7	13' 1	82.3%	134,683	3,207	509,831	509.83	<b>514.31</b>	122.04	25.50	6.72	<b>3,456.2</b>	<b>62,766</b>	17.8	
24' 8	13' 0	82.4%	134,870	3,211	510,538	510.54	<b>515.03</b>	122.04	25.52	6.74	<b>3,471.3</b>	<b>62,854</b>	17.8	
24' 9	12' 11	82.5%	135,057	3,216	511,245	511.25	<b>515.74</b>	122.04	25.53	6.76	<b>3,486.4</b>	<b>62,941</b>	17.8	

Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
24' 10	12' 10	82.6%	135,243	3,220	511,952	511.95	<b>516.45</b>	122.04	25.55	6.79	<b>3,506.7</b>	<b>63,028</b>	17.8
24' 11	12' 9	82.8%	135,430	3,225	512,659	512.66	<b>517.16</b>	122.04	25.56	6.82	<b>3,527.0</b>	<b>63,114</b>	17.8
25' 0	12' 8	82.9%	135,617	3,229	513,366	513.37	<b>517.88</b>	122.04	25.58	6.84	<b>3,542.3</b>	<b>63,202</b>	17.8
25' 1	12' 7	83.0%	135,804	3,233	514,073	514.07	<b>518.59</b>	122.04	25.59	6.87	<b>3,562.7</b>	<b>63,289</b>	17.8
25' 2	12' 6	83.1%	135,990	3,238	514,779	514.78	<b>519.30</b>	122.04	25.61	6.89	<b>3,578.0</b>	<b>63,375</b>	17.8
25' 3	12' 5	83.2%	136,177	3,242	515,486	515.49	<b>520.02</b>	122.04	25.62	6.92	<b>3,598.5</b>	<b>63,463</b>	17.8
25' 4	12' 4	83.3%	136,364	3,247	516,193	516.19	<b>520.73</b>	122.04	25.64	6.94	<b>3,613.9</b>	<b>63,550</b>	17.8
25' 5	12' 3	83.4%	136,551	3,251	516,900	516.90	<b>521.44</b>	122.04	25.65	6.97	<b>3,634.4</b>	<b>63,637</b>	17.8
25' 6	12' 2	83.6%	136,737	3,256	517,607	517.61	<b>522.16</b>	122.04	25.67	6.99	<b>3,649.9</b>	<b>63,724</b>	17.8
25' 7	12' 1	83.7%	136,924	3,260	518,313	518.31	<b>522.87</b>	122.04	25.68	7.02	<b>3,670.5</b>	<b>63,811</b>	17.8
25' 8	12' 0	83.8%	137,111	3,265	519,020	519.02	<b>523.58</b>	122.04	25.70	7.04	<b>3,686.0</b>	<b>63,898</b>	17.8
25' 9	11' 11	83.9%	137,297	3,269	519,727	519.73	<b>524.29</b>	122.04	25.71	7.07	<b>3,706.7</b>	<b>63,984</b>	17.8
25' 10	11' 10	84.0%	137,484	3,273	520,434	520.43	<b>525.01</b>	122.04	25.73	7.09	<b>3,722.3</b>	<b>64,072</b>	17.8
25' 11	11' 9	84.1%	137,671	3,278	521,141	521.14	<b>525.72</b>	122.03	25.74	7.12	<b>3,743.1</b>	<b>64,154</b>	17.8
26' 0	11' 8	84.2%	137,858	3,282	521,848	521.85	<b>526.43</b>	122.03	25.75	7.14	<b>3,758.7</b>	<b>64,240</b>	17.8
26' 1	11' 7	84.4%	138,044	3,287	522,555	522.55	<b>527.15</b>	122.03	25.77	7.17	<b>3,779.7</b>	<b>64,328</b>	17.8
26' 2	11' 6	84.5%	138,231	3,291	523,261	523.26	<b>527.86</b>	122.03	25.78	7.20	<b>3,800.6</b>	<b>64,415</b>	17.8
26' 3	11' 5	84.6%	138,418	3,296	523,968	523.97	<b>528.57</b>	122.03	25.80	7.22	<b>3,816.3</b>	<b>64,501</b>	17.8
26' 4	11' 4	84.7%	138,605	3,300	524,675	524.68	<b>529.29</b>	122.03	25.81	7.25	<b>3,837.4</b>	<b>64,589</b>	17.8
26' 5	11' 3	84.8%	138,791	3,305	525,382	525.38	<b>530.0</b>	122.03	25.83	7.27	<b>3,853.1</b>	<b>64,676</b>	17.8
26' 6	11' 2	84.9%	138,978	3,309	526,089	526.09	<b>530.71</b>	122.03	25.84	7.30	<b>3,874.2</b>	<b>64,763</b>	17.8
26' 7	11' 1	85.0%	139,165	3,313	526,796	526.80	<b>531.43</b>	122.03	25.86	7.33	<b>3,895.4</b>	<b>64,850</b>	17.8
26' 8	11' 0	85.2%	139,351	3,318	527,502	527.50	<b>532.14</b>	122.03	25.87	7.35	<b>3,911.2</b>	<b>64,937</b>	17.8
26' 9	10' 11	85.3%	139,538	3,322	528,209	528.21	<b>532.85</b>	122.03	25.88	7.38	<b>3,932.4</b>	<b>65,024</b>	17.8
26' 10	10' 10	85.4%	139,725	3,327	528,916	528.92	<b>533.56</b>	122.03	25.90	7.40	<b>3,948.3</b>	<b>65,110</b>	17.8
26' 11	10' 9	85.5%	139,912	3,331	529,623	529.62	<b>534.28</b>	122.03	25.91	7.43	<b>3,969.7</b>	<b>65,198</b>	17.8
27' 0	10' 8	85.6%	140,098	3,336	530,330	530.33	<b>534.99</b>	122.03	25.93	7.46	<b>3,991.0</b>	<b>65,285</b>	17.8
27' 1	10' 7	85.7%	140,285	3,340	531,036	531.04	<b>535.70</b>	122.03	25.94	7.48	<b>4,007.0</b>	<b>65,371</b>	17.8
27' 2	10' 6	85.8%	140,472	3,345	531,744	531.74	<b>536.42</b>	122.03	25.95	7.51	<b>4,028.5</b>	<b>65,459</b>	17.8
27' 3	10' 5	85.9%	140,659	3,349	532,450	532.45	<b>537.13</b>	122.03	25.97	7.53	<b>4,044.6</b>	<b>65,546</b>	17.8
27' 4	10' 4	86.1%	140,845	3,353	533,157	533.16	<b>537.84</b>	122.03	25.98	7.56	<b>4,066.1</b>	<b>65,633</b>	17.8
27' 5	10' 3	86.2%	141,032	3,358	533,864	533.86	<b>538.56</b>	122.03	26.00	7.59	<b>4,087.7</b>	<b>65,720</b>	17.8
27' 6	10' 2	86.3%	141,219	3,362	534,571	534.57	<b>539.27</b>	122.03	26.01	7.61	<b>4,103.8</b>	<b>65,807</b>	17.8



Tank		Ballast #2 PORT												
Specific Gravity		1.025												
Trim		0												
Capacity		163,653 Gallons												
Label(s)		Ball#2.p												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
27' 7	10' 1	86.4%	141,405	3,367	535,277	535.28	<b>539.98</b>	122.03	26.02	7.64	<b>4,125.4</b>	<b>65,894</b>	17.8	
27' 8	10' 0	86.5%	141,592	3,371	535,984	535.98	<b>540.70</b>	122.03	26.04	7.67	<b>4,147.2</b>	<b>65,982</b>	17.8	
27' 9	9' 11	86.6%	141,779	3,376	536,691	536.69	<b>541.41</b>	122.03	26.05	7.69	<b>4,163.4</b>	<b>66,068</b>	17.8	
27' 10	9' 10	86.7%	141,966	3,380	537,398	537.40	<b>542.12</b>	122.03	26.06	7.72	<b>4,185.2</b>	<b>66,155</b>	17.8	
27' 11	9' 9	86.9%	142,152	3,385	538,105	538.10	<b>542.83</b>	122.03	26.08	7.75	<b>4,206.9</b>	<b>66,242</b>	17.8	
28' 0	9' 8	87.0%	142,339	3,389	538,812	538.81	<b>543.55</b>	122.03	26.09	7.77	<b>4,223.4</b>	<b>66,329</b>	17.8	
28' 1	9' 7	87.1%	142,526	3,393	539,518	539.52	<b>544.26</b>	122.03	26.10	7.80	<b>4,245.2</b>	<b>66,416</b>	17.8	
28' 2	9' 6	87.2%	142,712	3,398	540,225	540.23	<b>544.97</b>	122.03	26.12	7.83	<b>4,267.1</b>	<b>66,503</b>	17.8	
28' 3	9' 5	87.3%	142,899	3,402	540,932	540.93	<b>545.69</b>	122.03	26.13	7.85	<b>4,283.7</b>	<b>66,591</b>	17.8	
28' 4	9' 4	87.4%	143,086	3,407	541,639	541.64	<b>546.40</b>	122.03	26.15	7.88	<b>4,305.6</b>	<b>66,677</b>	17.8	
28' 5	9' 3	87.5%	143,273	3,411	542,346	542.35	<b>547.11</b>	122.03	26.16	7.91	<b>4,327.6</b>	<b>66,764</b>	17.8	
28' 6	9' 2	87.7%	143,459	3,416	543,053	543.05	<b>547.83</b>	122.03	26.17	7.93	<b>4,344.3</b>	<b>66,852</b>	17.8	
28' 7	9' 1	87.8%	143,646	3,420	543,760	543.76	<b>548.54</b>	122.03	26.19	7.96	<b>4,366.4</b>	<b>66,938</b>	17.8	
28' 8	9' 0	87.9%	143,833	3,425	544,466	544.47	<b>549.25</b>	122.03	26.20	7.99	<b>4,388.5</b>	<b>67,025</b>	17.8	
28' 9	8' 11	88.0%	144,020	3,429	545,173	545.17	<b>549.96</b>	122.03	26.21	8.01	<b>4,405.2</b>	<b>67,112</b>	17.8	
28' 10	8' 10	88.1%	144,206	3,433	545,880	545.88	<b>550.68</b>	122.03	26.23	8.04	<b>4,427.5</b>	<b>67,199</b>	17.8	
28' 11	8' 9	88.2%	144,393	3,438	546,587	546.59	<b>551.39</b>	122.03	26.24	8.07	<b>4,449.7</b>	<b>67,286</b>	17.8	
29' 0	8' 8	88.3%	144,580	3,442	547,294	547.29	<b>552.10</b>	122.03	26.25	8.10	<b>4,472.0</b>	<b>67,373</b>	17.8	
29' 1	8' 7	88.5%	144,766	3,447	548,000	548.0	<b>552.82</b>	122.03	26.26	8.12	<b>4,488.9</b>	<b>67,461</b>	17.8	
29' 2	8' 6	88.6%	144,953	3,451	548,707	548.71	<b>553.53</b>	122.03	26.28	8.15	<b>4,511.3</b>	<b>67,547</b>	17.8	
29' 3	8' 5	88.7%	145,140	3,456	549,414	549.41	<b>554.24</b>	122.03	26.29	8.18	<b>4,533.7</b>	<b>67,634</b>	17.8	
29' 4	8' 4	88.8%	145,327	3,460	550,121	550.12	<b>554.96</b>	122.03	26.30	8.20	<b>4,550.7</b>	<b>67,722</b>	17.8	
29' 5	8' 3	88.9%	145,513	3,465	550,828	550.83	<b>555.67</b>	122.03	26.32	8.23	<b>4,573.2</b>	<b>67,808</b>	17.8	
29' 6	8' 2	89.0%	145,700	3,469	551,534	551.53	<b>556.38</b>	122.03	26.33	8.26	<b>4,595.7</b>	<b>67,895</b>	17.8	
29' 7	8' 1	89.1%	145,887	3,473	552,242	552.24	<b>557.10</b>	122.03	26.34	8.29	<b>4,618.4</b>	<b>67,983</b>	17.8	
29' 8	8' 0	89.3%	146,074	3,478	552,948	552.95	<b>557.81</b>	122.03	26.36	8.31	<b>4,635.4</b>	<b>68,070</b>	17.8	
29' 9	7' 11	89.4%	146,260	3,482	553,655	553.66	<b>558.52</b>	122.03	26.37	8.34	<b>4,658.1</b>	<b>68,156</b>	17.8	
29' 10	7' 10	89.5%	146,447	3,487	554,362	554.36	<b>559.23</b>	122.03	26.38	8.37	<b>4,680.8</b>	<b>68,243</b>	17.8	
29' 11	7' 9	89.6%	146,634	3,491	555,069	555.07	<b>559.95</b>	122.03	26.39	8.40	<b>4,703.6</b>	<b>68,331</b>	17.8	
30' 0	7' 8	89.7%	146,820	3,496	555,776	555.78	<b>560.66</b>	122.03	26.41	8.42	<b>4,720.8</b>	<b>68,417</b>	17.8	
30' 1	7' 7	89.8%	147,007	3,500	556,482	556.48	<b>561.37</b>	122.03	26.42	8.45	<b>4,743.6</b>	<b>68,504</b>	17.8	
30' 2	7' 6	89.9%	147,194	3,505	557,189	557.19	<b>562.09</b>	122.03	26.43	8.48	<b>4,766.5</b>	<b>68,592</b>	17.8	
30' 3	7' 5	90.1%	147,381	3,509	557,896	557.90	<b>562.80</b>	122.03	26.45	8.51	<b>4,789.4</b>	<b>68,678</b>	17.8	

Tank		Ballast #2 PORT												
Specific Gravity		1.025												
Trim		0												
Capacity		163,653 Gallons												
Label(s)		Ball#2.p												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
30' 4	7' 4	90.2%	147,567	3,514	558,603	558.60	<b>563.51</b>	122.03	26.46	8.53	<b>4,806.7</b>	<b>68,765</b>	17.8	
30' 5	7' 3	90.3%	147,754	3,518	559,310	559.31	<b>564.23</b>	122.03	26.47	8.56	<b>4,829.8</b>	<b>68,853</b>	17.8	
30' 6	7' 2	90.4%	147,941	3,522	560,016	560.02	<b>564.94</b>	122.03	26.48	8.59	<b>4,852.8</b>	<b>68,940</b>	17.8	
30' 7	7' 1	90.5%	148,128	3,527	560,724	560.72	<b>565.65</b>	122.03	26.50	8.62	<b>4,875.9</b>	<b>69,026</b>	17.8	
30' 8	7' 0	90.6%	148,314	3,531	561,430	561.43	<b>566.36</b>	122.03	26.51	8.65	<b>4,899.0</b>	<b>69,113</b>	17.8	
30' 9	6' 11	90.7%	148,501	3,536	562,137	562.14	<b>567.08</b>	122.03	26.52	8.67	<b>4,916.6</b>	<b>69,201</b>	17.8	
30' 10	6' 10	90.9%	148,688	3,540	562,844	562.84	<b>567.79</b>	122.03	26.53	8.70	<b>4,939.8</b>	<b>69,287</b>	17.8	
30' 11	6' 9	91.0%	148,874	3,545	563,551	563.55	<b>568.50</b>	122.03	26.55	8.73	<b>4,963.0</b>	<b>69,374</b>	17.8	
31' 0	6' 8	91.1%	149,061	3,549	564,258	564.26	<b>569.22</b>	122.03	26.56	8.76	<b>4,986.4</b>	<b>69,462</b>	17.8	
31' 1	6' 7	91.2%	149,248	3,554	564,964	564.96	<b>569.93</b>	122.03	26.57	8.79	<b>5,009.7</b>	<b>69,549</b>	17.8	
31' 2	6' 6	91.3%	149,435	3,558	565,671	565.67	<b>570.64</b>	122.03	26.58	8.81	<b>5,027.3</b>	<b>69,635</b>	17.8	
31' 3	6' 5	91.4%	149,621	3,562	566,378	566.38	<b>571.36</b>	122.03	26.59	8.84	<b>5,050.8</b>	<b>69,723</b>	17.8	
31' 4	6' 4	91.5%	149,808	3,567	567,085	567.08	<b>572.07</b>	122.03	26.61	8.87	<b>5,074.3</b>	<b>69,810</b>	17.8	
31' 5	6' 3	91.7%	149,995	3,571	567,792	567.79	<b>572.78</b>	122.03	26.62	8.90	<b>5,097.7</b>	<b>69,896</b>	17.8	
31' 6	6' 2	91.8%	150,181	3,576	568,498	568.50	<b>573.50</b>	122.03	26.63	8.93	<b>5,121.4</b>	<b>69,984</b>	17.8	
31' 7	6' 1	91.9%	150,368	3,580	569,206	569.21	<b>574.21</b>	122.03	26.64	8.95	<b>5,139.2</b>	<b>70,071</b>	17.8	
31' 8	6' 0	92.0%	150,555	3,585	569,912	569.91	<b>574.92</b>	122.03	26.66	8.98	<b>5,162.8</b>	<b>70,157</b>	17.8	
31' 9	5' 11	92.1%	150,742	3,589	570,619	570.62	<b>575.63</b>	122.03	26.67	9.01	<b>5,186.4</b>	<b>70,244</b>	17.8	
31' 10	5' 10	92.2%	150,928	3,594	571,326	571.33	<b>576.35</b>	122.03	26.68	9.04	<b>5,210.2</b>	<b>70,332</b>	17.8	
31' 11	5' 9	92.3%	151,115	3,598	572,033	572.03	<b>577.06</b>	122.03	26.69	9.07	<b>5,233.9</b>	<b>70,419</b>	17.8	
32' 0	5' 8	92.5%	151,302	3,602	572,740	572.74	<b>577.77</b>	122.03	26.70	9.10	<b>5,257.7</b>	<b>70,505</b>	17.8	
32' 1	5' 7	92.6%	151,489	3,607	573,446	573.45	<b>578.49</b>	122.03	26.72	9.12	<b>5,275.8</b>	<b>70,593</b>	17.8	
32' 2	5' 6	92.7%	151,675	3,611	574,153	574.15	<b>579.20</b>	122.03	26.73	9.15	<b>5,299.7</b>	<b>70,680</b>	17.8	
32' 3	5' 5	92.8%	151,862	3,616	574,860	574.86	<b>579.91</b>	122.03	26.74	9.18	<b>5,323.6</b>	<b>70,766</b>	17.8	
32' 4	5' 4	92.9%	152,049	3,620	575,567	575.57	<b>580.63</b>	122.03	26.75	9.21	<b>5,347.6</b>	<b>70,854</b>	17.8	
32' 5	5' 3	93.0%	152,235	3,625	576,274	576.27	<b>581.34</b>	122.03	26.76	9.24	<b>5,371.6</b>	<b>70,941</b>	17.8	
32' 6	5' 2	93.1%	152,422	3,629	576,980	576.98	<b>582.05</b>	122.03	26.78	9.27	<b>5,395.6</b>	<b>71,028</b>	17.8	
32' 7	5' 1	93.3%	152,609	3,634	577,687	577.69	<b>582.76</b>	122.03	26.79	9.29	<b>5,413.8</b>	<b>71,114</b>	17.8	
32' 8	5' 0	93.4%	152,796	3,638	578,394	578.39	<b>583.48</b>	122.03	26.80	9.32	<b>5,438.0</b>	<b>71,202</b>	17.8	
32' 9	4' 11	93.5%	152,982	3,642	579,101	579.10	<b>584.19</b>	122.03	26.81	9.35	<b>5,462.2</b>	<b>71,289</b>	17.8	
32' 10	4' 10	93.6%	153,169	3,647	579,808	579.81	<b>584.90</b>	122.03	26.82	9.38	<b>5,486.4</b>	<b>71,375</b>	17.8	
32' 11	4' 9	93.7%	153,356	3,651	580,514	580.51	<b>585.62</b>	122.03	26.83	9.41	<b>5,510.7</b>	<b>71,463</b>	17.8	
33' 0	4' 8	93.8%	153,543	3,656	581,222	581.22	<b>586.33</b>	122.03	26.85	9.44	<b>5,535.0</b>	<b>71,550</b>	17.8	

Tank		Ballast #2 PORT												
Specific Gravity		1.025												
Trim		0												
Capacity		163,653 Gallons												
Label(s)		Ball#2.p												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
33' 1	4' 7	93.9%	153,729	3,660	581,928	581.93	<b>587.04</b>	122.03	26.86	9.47	<b>5,559.3</b>	<b>71,636</b>	17.8	
33' 2	4' 6	94.1%	153,916	3,665	582,635	582.64	<b>587.76</b>	122.03	26.87	9.50	<b>5,583.7</b>	<b>71,724</b>	17.8	
33' 3	4' 5	94.2%	154,103	3,669	583,342	583.34	<b>588.47</b>	122.03	26.88	9.52	<b>5,602.2</b>	<b>71,811</b>	17.8	
33' 4	4' 4	94.3%	154,289	3,674	584,049	584.05	<b>589.18</b>	122.03	26.89	9.55	<b>5,626.7</b>	<b>71,898</b>	17.8	
33' 5	4' 3	94.4%	154,476	3,678	584,756	584.76	<b>589.89</b>	122.03	26.90	9.58	<b>5,651.1</b>	<b>71,984</b>	17.8	
33' 6	4' 2	94.5%	154,663	3,682	585,462	585.46	<b>590.61</b>	122.03	26.92	9.61	<b>5,675.8</b>	<b>72,072</b>	17.8	
33' 7	4' 1	94.6%	154,850	3,687	586,169	586.17	<b>591.32</b>	122.03	26.93	9.64	<b>5,700.3</b>	<b>72,159</b>	17.8	
33' 8	4' 0	94.7%	155,036	3,691	586,876	586.88	<b>592.03</b>	122.03	26.94	9.67	<b>5,724.9</b>	<b>72,245</b>	17.8	
33' 9	3' 11	94.8%	155,223	3,696	587,583	587.58	<b>592.75</b>	122.03	26.95	9.70	<b>5,749.7</b>	<b>72,333</b>	17.8	
33' 10	3' 10	95.0%	155,410	3,700	588,290	588.29	<b>593.46</b>	122.03	26.96	9.73	<b>5,774.4</b>	<b>72,420</b>	17.8	
33' 11	3' 9	95.1%	155,596	3,705	588,996	589.0	<b>594.17</b>	122.03	26.97	9.76	<b>5,799.1</b>	<b>72,507</b>	17.8	
34' 0	3' 8	95.2%	155,783	3,709	589,703	589.70	<b>594.89</b>	122.03	26.98	9.79	<b>5,824.0</b>	<b>72,594</b>	17.8	
34' 1	3' 7	95.3%	155,970	3,714	590,410	590.41	<b>595.60</b>	122.03	27.00	9.81	<b>5,842.8</b>	<b>72,681</b>	17.8	
34' 2	3' 6	95.4%	156,157	3,718	591,117	591.12	<b>596.31</b>	122.03	27.01	9.84	<b>5,867.7</b>	<b>72,768</b>	17.8	
34' 3	3' 5	95.5%	156,343	3,722	591,824	591.82	<b>597.03</b>	122.03	27.02	9.87	<b>5,892.7</b>	<b>72,856</b>	17.8	
34' 4	3' 4	95.6%	156,530	3,727	592,531	592.53	<b>597.74</b>	122.03	27.03	9.90	<b>5,917.6</b>	<b>72,942</b>	17.8	
34' 5	3' 3	95.8%	156,717	3,731	593,237	593.24	<b>598.45</b>	122.03	27.04	9.93	<b>5,942.6</b>	<b>73,029</b>	17.8	
34' 6	3' 2	95.9%	156,903	3,736	593,944	593.94	<b>599.16</b>	122.03	27.05	9.96	<b>5,967.6</b>	<b>73,115</b>	17.8	
34' 7	3' 1	96.0%	157,090	3,740	594,651	594.65	<b>599.88</b>	122.03	27.06	9.99	<b>5,992.8</b>	<b>73,203</b>	17.8	
34' 8	3' 0	96.1%	157,277	3,745	595,358	595.36	<b>600.59</b>	122.03	27.07	10.02	<b>6,017.9</b>	<b>73,290</b>	17.8	
34' 9	2' 11	96.2%	157,464	3,749	596,065	596.06	<b>601.30</b>	122.03	27.09	10.05	<b>6,043.1</b>	<b>73,377</b>	17.8	
34' 10	2' 10	96.3%	157,650	3,754	596,771	596.77	<b>602.02</b>	122.03	27.10	10.08	<b>6,068.4</b>	<b>73,465</b>	17.8	
34' 11	2' 9	96.4%	157,837	3,758	597,478	597.48	<b>602.73</b>	122.03	27.11	10.11	<b>6,093.6</b>	<b>73,551</b>	17.8	
35' 0	2' 8	96.6%	158,024	3,762	598,185	598.19	<b>603.44</b>	122.03	27.12	10.14	<b>6,118.9</b>	<b>73,638</b>	17.8	
35' 1	2' 7	96.7%	158,211	3,767	598,892	598.89	<b>604.16</b>	122.03	27.13	10.17	<b>6,144.3</b>	<b>73,726</b>	17.8	
35' 2	2' 6	96.8%	158,397	3,771	599,599	599.60	<b>604.87</b>	122.03	27.14	10.20	<b>6,169.7</b>	<b>73,812</b>	17.8	
35' 3	2' 5	96.9%	158,584	3,776	600,305	600.31	<b>605.58</b>	122.03	27.15	10.23	<b>6,195.1</b>	<b>73,899</b>	17.8	
35' 4	2' 4	97.0%	158,771	3,780	601,012	601.01	<b>606.29</b>	122.03	27.16	10.26	<b>6,220.5</b>	<b>73,986</b>	17.8	
35' 5	2' 3	97.1%	158,957	3,785	601,719	601.72	<b>607.01</b>	122.03	27.17	10.29	<b>6,246.1</b>	<b>74,073</b>	17.8	
35' 6	2' 2	97.2%	159,144	3,789	602,426	602.43	<b>607.72</b>	122.03	27.18	10.31	<b>6,265.6</b>	<b>74,160</b>	17.8	
35' 7	2' 1	97.4%	159,331	3,794	603,133	603.13	<b>608.43</b>	122.03	27.19	10.34	<b>6,291.2</b>	<b>74,247</b>	17.8	
35' 8	2' 0	97.5%	159,518	3,798	603,840	603.84	<b>609.15</b>	122.03	27.21	10.37	<b>6,316.9</b>	<b>74,335</b>	17.8	
35' 9	1' 11	97.6%	159,704	3,802	604,547	604.55	<b>609.86</b>	122.03	27.22	10.40	<b>6,342.5</b>	<b>74,421</b>	17.8	

Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
35' 10	1' 10	97.7%	159,891	3,807	605,253	605.25	<b>610.57</b>	122.03	27.23	10.43	<b>6,368.2</b>	<b>74,508</b>	17.8
35' 11	1' 9	97.8%	160,078	3,811	605,960	605.96	<b>611.29</b>	122.03	27.24	10.46	<b>6,394.1</b>	<b>74,596</b>	17.8
36' 0	1' 8	97.9%	160,264	3,816	606,667	606.67	<b>612.0</b>	122.03	27.25	10.49	<b>6,419.9</b>	<b>74,682</b>	17.8
36' 1	1' 7	98.0%	160,451	3,820	607,374	607.37	<b>612.71</b>	122.03	27.26	10.52	<b>6,445.7</b>	<b>74,769</b>	17.8
36' 2	1' 6	98.2%	160,638	3,825	608,081	608.08	<b>613.42</b>	122.03	27.27	10.55	<b>6,471.6</b>	<b>74,856</b>	17.8
36' 3	1' 5	98.3%	160,825	3,829	608,787	608.79	<b>614.14</b>	122.03	27.28	10.58	<b>6,497.6</b>	<b>74,944</b>	17.8
36' 4	1' 4	98.4%	161,011	3,834	609,494	609.49	<b>614.85</b>	122.03	27.29	10.61	<b>6,523.6</b>	<b>75,030</b>	17.8
36' 5	1' 3	98.5%	161,198	3,838	610,201	610.20	<b>615.56</b>	122.03	27.30	10.64	<b>6,549.6</b>	<b>75,117</b>	17.8
36' 6	1' 2	98.6%	161,385	3,842	610,908	610.91	<b>616.28</b>	122.03	27.31	10.67	<b>6,575.7</b>	<b>75,205</b>	17.8
36' 7	1' 1	98.7%	161,571	3,847	611,613	611.61	<b>616.99</b>	122.03	27.32	10.70	<b>6,601.8</b>	<b>75,291</b>	17.5
36' 8	1' 0	98.8%	161,757	3,851	612,315	612.32	<b>617.70</b>	122.03	27.33	10.73	<b>6,627.9</b>	<b>75,378</b>	17.3
36' 9	0' 11	99.0%	161,941	3,856	613,015	613.01	<b>618.40</b>	122.03	27.34	10.76	<b>6,654.0</b>	<b>75,463</b>	17.1
36' 10	0' 10	99.1%	162,125	3,860	613,711	613.71	<b>619.11</b>	122.03	27.35	10.79	<b>6,680.2</b>	<b>75,550</b>	16.9
36' 11	0' 9	99.2%	162,309	3,864	614,405	614.40	<b>619.80</b>	122.03	27.36	10.82	<b>6,706.2</b>	<b>75,634</b>	16.7
37' 0	0' 8	99.3%	162,491	3,869	615,095	615.10	<b>620.50</b>	122.03	27.37	10.85	<b>6,732.4</b>	<b>75,720</b>	16.4
37' 1	0' 7	99.4%	162,672	3,873	615,779	615.78	<b>621.19</b>	122.03	27.38	10.88	<b>6,758.5</b>	<b>75,804</b>	15.7
37' 2	0' 6	99.5%	162,849	3,877	616,451	616.45	<b>621.87</b>	122.03	27.39	10.91	<b>6,784.6</b>	<b>75,887</b>	14.9
37' 3	0' 5	99.6%	163,024	3,882	617,111	617.11	<b>622.53</b>	122.03	27.40	10.94	<b>6,810.5</b>	<b>75,967</b>	14.1
37' 4	0' 4	99.7%	163,195	3,886	617,760	617.76	<b>623.19</b>	122.03	27.41	10.96	<b>6,830.2</b>	<b>76,048</b>	13.4
37' 5	0' 3	99.8%	163,361	3,890	618,389	618.39	<b>623.82</b>	122.03	27.42	10.99	<b>6,855.8</b>	<b>76,125</b>	11.5
37' 6	0' 2	99.9%	163,517	3,893	618,979	618.98	<b>624.42</b>	122.03	27.43	11.02	<b>6,881.1</b>	<b>76,198</b>	9.5
37' 7	0' 1	100.0%	163,653	3,896	619,492	619.49	<b>624.94</b>	122.03	27.44	11.04	<b>6,899.3</b>	<b>76,261</b>	2.3

Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
0' 1	37' 7	0	2041	49	7725	8	8	122	18	0	1	953	8707
0' 2	37' 6	0	3523	84	13335	13	13	122	18	0	2	1644	8842
0' 3	37' 5	0	5012	119	18972	19	19	122	18	0	4	2339	8957
0' 4	37' 4	0	6507	155	24633	25	25	122	18	0	6	3037	9054
0' 5	37' 3	0	8007	191	30309	30	31	122	18	0	9	3737	9114
0' 6	37' 2	0	9509	226	35997	36	36	122	18	0	12	4437	9171
0' 7	37' 1	0	11015	262	41698	42	42	122	18	0	16	5139	9225
0' 8	37' 0	0	12524	298	47409	47	48	122	18	0	20	5843	9277
0' 9	36' 11	0	14035	334	53130	53	54	122	18	0	24	6548	9317
0' 10	36' 10	0	15549	370	58858	59	59	122	18	1	30	7253	9346
0' 11	36' 9	0	17063	406	64592	65	65	122	18	1	35	7959	9373
1' 0	36' 8	0	18579	442	70331	70	71	122	18	1	41	8666	9398
1' 1	36' 7	0	20097	478	76075	76	77	122	18	1	48	9373	9420
1' 2	36' 6	0	21615	515	81823	82	83	122	18	1	54	10081	9439
1' 3	36' 5	0	23135	551	87574	88	88	122	18	1	63	10789	9452
1' 4	36' 4	0	24655	587	93328	93	94	122	18	1	71	11499	9461
1' 5	36' 3	0	26175	623	99084	99	100	122	18	1	79	12207	9471
1' 6	36' 2	0	27696	659	104841	105	106	122	19	1	88	12915	9479
1' 7	36' 1	0	29217	696	110600	111	112	122	19	1	97	13625	9483
1' 8	36' 0	0	30739	732	116360	116	117	122	19	1	108	14334	9486
1' 9	35' 11	0	32261	768	122120	122	123	122	19	1	118	15043	9489
1' 10	35' 10	0	33782	804	127880	128	129	122	19	1	129	15752	9490
1' 11	35' 9	0	35304	841	133641	134	135	122	19	1	140	16463	9491
2' 0	35' 8	0	36826	877	139402	139	141	122	19	1	152	17172	9492
2' 1	35' 7	0	38348	913	145164	145	146	122	19	1	164	17882	9493
2' 2	35' 6	0	39870	949	150925	151	152	122	19	1	178	18590	9494
2' 3	35' 5	0	41392	986	156686	157	158	122	19	1	191	19299	9495
2' 4	35' 4	0	42914	1022	162448	162	164	122	19	1	205	20010	9495
2' 5	35' 3	0	44436	1058	168210	168	170	122	19	1	219	20719	9496
2' 6	35' 2	0	45959	1094	173972	174	176	122	19	1	233	21429	9496
2' 7	35' 1	0	47481	1130	179734	180	181	122	19	1	250	22138	9497
2' 8	35' 0	0	49003	1167	185496	185	187	122	19	1	266	22847	9497
2' 9	34' 11	0	50525	1203	191258	191	193	122	19	1	282	23556	9497

Tank		Ballast #2 STBD											
Specific Gravity		1.025											
Trim		0											
Capacity		170,687 Gallons											
Label(s)		Ball#2.s											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
2' 10	34' 10	0	52047	1239	197020	197	199	122	19	2	298	24265	9498
2' 11	34' 9	0	53570	1275	202783	203	205	122	19	2	315	24976	9498
3' 0	34' 8	0	55092	1312	208545	209	210	122	19	2	332	25685	9498
3' 1	34' 7	33.2%	56,614	1,348	214,307	214.31	216.19	122.09	18.61	1.63	352.4	26,395	9,497.8
3' 2	34' 6	34.1%	58,136	1,384	220,070	220.07	222.0	122.09	18.61	1.67	370.7	27,104	9,497.8
3' 3	34' 5	35.0%	59,658	1,420	225,832	225.83	227.82	122.09	18.61	1.71	389.6	27,815	9,497.8
3' 4	34' 4	35.8%	61,181	1,457	231,594	231.59	233.63	122.08	18.61	1.75	408.9	28,522	9,497.8
3' 5	34' 3	36.7%	62,703	1,493	237,357	237.36	239.44	122.08	18.62	1.79	428.6	29,231	9,497.8
3' 6	34' 2	37.6%	64,225	1,529	243,119	243.12	245.26	122.08	18.62	1.83	448.8	29,941	9,497.8
3' 7	34' 1	38.5%	65,747	1,565	248,881	248.88	251.07	122.08	18.62	1.88	472.0	30,651	9,497.8
3' 8	34' 0	39.4%	67,270	1,602	254,644	254.64	256.88	122.08	18.62	1.92	493.2	31,360	9,497.8
3' 9	33' 11	40.3%	68,792	1,638	260,406	260.41	262.69	122.08	18.62	1.96	514.9	32,069	9,497.8
3' 10	33' 10	41.2%	70,314	1,674	266,168	266.17	268.51	122.08	18.63	2.00	537.0	32,780	9,497.8
3' 11	33' 9	42.1%	71,836	1,710	271,930	271.93	274.32	122.08	18.63	2.04	559.6	33,489	9,497.8
4' 0	33' 8	43.0%	73,359	1,747	277,693	277.69	280.13	122.08	18.63	2.08	582.7	34,198	9,497.8
4' 1	33' 7	43.9%	74,881	1,783	283,455	283.46	285.95	122.08	18.63	2.13	609.1	34,909	9,497.8
4' 2	33' 6	44.8%	76,403	1,819	289,217	289.22	291.76	122.08	18.63	2.17	633.1	35,618	9,497.8
4' 3	33' 5	45.7%	77,925	1,855	294,980	294.98	297.57	122.08	18.63	2.21	657.6	36,327	9,497.8
4' 4	33' 4	46.5%	79,448	1,892	300,742	300.74	303.39	122.08	18.64	2.25	682.6	37,038	9,497.8
4' 5	33' 3	47.4%	80,970	1,928	306,504	306.50	309.20	122.08	18.64	2.29	708.1	37,747	9,497.8
4' 6	33' 2	48.3%	82,492	1,964	312,267	312.27	315.01	122.08	18.64	2.33	734.0	38,456	9,497.8
4' 7	33' 1	49.2%	84,014	2,000	318,029	318.03	320.82	122.08	18.64	2.38	763.6	39,166	9,497.8
4' 8	33' 0	50.1%	85,537	2,037	323,791	323.79	326.64	122.07	18.64	2.42	790.5	39,873	9,497.8
4' 9	32' 11	51.0%	87,059	2,073	329,554	329.55	332.45	122.07	18.64	2.46	817.8	40,582	9,497.8
4' 10	32' 10	51.9%	88,581	2,109	335,316	335.32	338.26	122.07	18.64	2.50	845.7	41,291	9,497.8
4' 11	32' 9	52.8%	90,103	2,145	341,078	341.08	344.08	122.07	18.64	2.54	874.0	42,002	9,497.8
5' 0	32' 8	53.7%	91,626	2,182	346,841	346.84	349.89	122.07	18.65	2.58	902.7	42,711	9,497.8
5' 1	32' 7	54.6%	93,148	2,218	352,603	352.60	355.70	122.07	18.65	2.63	935.5	43,420	9,497.8
5' 2	32' 6	55.5%	94,651	2,254	358,291	358.29	361.44	122.07	18.65	2.67	965.0	44,121	6,774.0
5' 3	32' 5	56.2%	95,913	2,284	363,072	363.07	366.26	122.07	18.70	2.70	988.9	44,709	4,266.9
5' 4	32' 4	56.8%	96,982	2,309	367,116	367.12	370.34	122.07	18.76	2.73	1,011.0	45,207	2,473.2
5' 5	32' 3	57.3%	97,856	2,330	370,425	370.43	373.68	122.07	18.84	2.76	1,031.4	45,615	1,272.9
5' 6	32' 2	57.7%	98,536	2,346	372,998	373.0	376.28	122.06	18.91	2.78	1,046.1	45,929	546.0

Tank		Ballast #2 STBD												
Specific Gravity		1.025												
Trim		0												
Capacity		170,687 Gallons												
Label(s)		Ball#2.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
5' 7	32' 1	58.0%	99,021	2,358	374,835	374.84	<b>378.13</b>	122.06	18.98	2.79	<b>1,055.0</b>	<b>46,155</b>	172.4	
5' 8	32' 0	58.2%	99,312	2,365	375,937	375.94	<b>379.24</b>	122.05	19.03	2.80	<b>1,061.9</b>	<b>46,286</b>	34.0	
5' 9	31' 11	58.3%	99,506	2,369	376,672	376.67	<b>379.98</b>	122.05	19.06	2.80	<b>1,063.9</b>	<b>46,377</b>	18.2	
5' 10	31' 10	58.4%	99,694	2,374	377,383	377.38	<b>380.70</b>	122.05	19.09	2.81	<b>1,069.8</b>	<b>46,464</b>	18.1	
5' 11	31' 9	58.5%	99,882	2,378	378,093	378.09	<b>381.42</b>	122.05	19.13	2.82	<b>1,075.6</b>	<b>46,552</b>	18.1	
6' 0	31' 8	58.6%	100,069	2,383	378,804	378.80	<b>382.13</b>	122.05	19.16	2.82	<b>1,077.6</b>	<b>46,639</b>	18.1	
6' 1	31' 7	58.7%	100,257	2,387	379,514	379.51	<b>382.85</b>	122.05	19.19	2.83	<b>1,083.5</b>	<b>46,727</b>	18.1	
6' 2	31' 6	58.8%	100,445	2,392	380,225	380.22	<b>383.57</b>	122.05	19.22	2.83	<b>1,085.5</b>	<b>46,815</b>	18.1	
6' 3	31' 5	59.0%	100,632	2,396	380,934	380.93	<b>384.28</b>	122.05	19.25	2.84	<b>1,091.4</b>	<b>46,901</b>	18.0	
6' 4	31' 4	59.1%	100,820	2,400	381,644	381.64	<b>385.0</b>	122.05	19.29	2.85	<b>1,097.3</b>	<b>46,989</b>	18.0	
6' 5	31' 3	59.2%	101,007	2,405	382,353	382.35	<b>385.71</b>	122.05	19.32	2.85	<b>1,099.3</b>	<b>47,076</b>	18.0	
6' 6	31' 2	59.3%	101,194	2,409	383,062	383.06	<b>386.43</b>	122.05	19.35	2.86	<b>1,105.2</b>	<b>47,164</b>	18.0	
6' 7	31' 1	59.4%	101,382	2,414	383,772	383.77	<b>387.14</b>	122.05	19.38	2.87	<b>1,111.1</b>	<b>47,250</b>	18.0	
6' 8	31' 0	59.5%	101,569	2,418	384,480	384.48	<b>387.86</b>	122.05	19.41	2.87	<b>1,113.2</b>	<b>47,338</b>	17.9	
6' 9	30' 11	59.6%	101,756	2,423	385,189	385.19	<b>388.57</b>	122.05	19.44	2.88	<b>1,119.1</b>	<b>47,425</b>	17.9	
6' 10	30' 10	59.7%	101,943	2,427	385,898	385.90	<b>389.29</b>	122.05	19.48	2.89	<b>1,125.0</b>	<b>47,513</b>	17.9	
6' 11	30' 9	59.8%	102,130	2,432	386,606	386.61	<b>390.0</b>	122.05	19.51	2.90	<b>1,131.0</b>	<b>47,600</b>	17.9	
7' 0	30' 8	59.9%	102,318	2,436	387,314	387.31	<b>390.72</b>	122.05	19.54	2.90	<b>1,133.1</b>	<b>47,687</b>	17.9	
7' 1	30' 7	60.1%	102,505	2,441	388,022	388.02	<b>391.43</b>	122.05	19.57	2.91	<b>1,139.1</b>	<b>47,774</b>	17.8	
7' 2	30' 6	60.2%	102,691	2,445	388,729	388.73	<b>392.15</b>	122.05	19.60	2.92	<b>1,145.1</b>	<b>47,862</b>	17.8	
7' 3	30' 5	60.3%	102,878	2,449	389,437	389.44	<b>392.86</b>	122.05	19.63	2.93	<b>1,151.1</b>	<b>47,949</b>	17.8	
7' 4	30' 4	60.4%	103,065	2,454	390,144	390.14	<b>393.57</b>	122.05	19.66	2.94	<b>1,157.1</b>	<b>48,035</b>	17.8	
7' 5	30' 3	60.5%	103,252	2,458	390,851	390.85	<b>394.29</b>	122.05	19.69	2.94	<b>1,159.2</b>	<b>48,123</b>	17.8	
7' 6	30' 2	60.6%	103,439	2,463	391,558	391.56	<b>395.0</b>	122.05	19.72	2.95	<b>1,165.3</b>	<b>48,210</b>	17.8	
7' 7	30' 1	60.7%	103,625	2,467	392,265	392.26	<b>395.71</b>	122.05	19.75	2.96	<b>1,171.3</b>	<b>48,296</b>	17.8	
7' 8	30' 0	60.8%	103,812	2,472	392,972	392.97	<b>396.43</b>	122.05	19.78	2.97	<b>1,177.4</b>	<b>48,384</b>	17.8	
7' 9	29' 11	60.9%	103,999	2,476	393,678	393.68	<b>397.14</b>	122.05	19.81	2.98	<b>1,183.5</b>	<b>48,471</b>	17.8	
7' 10	29' 10	61.0%	104,186	2,481	394,385	394.39	<b>397.85</b>	122.05	19.84	2.99	<b>1,189.6</b>	<b>48,558</b>	17.8	
7' 11	29' 9	61.1%	104,372	2,485	395,092	395.09	<b>398.56</b>	122.05	19.87	3.00	<b>1,195.7</b>	<b>48,644</b>	17.8	
8' 0	29' 8	61.3%	104,559	2,490	395,799	395.80	<b>399.28</b>	122.05	19.90	3.01	<b>1,201.8</b>	<b>48,732</b>	17.8	
8' 1	29' 7	61.4%	104,746	2,494	396,506	396.51	<b>399.99</b>	122.05	19.93	3.01	<b>1,204.0</b>	<b>48,819</b>	17.8	
8' 2	29' 6	61.5%	104,933	2,498	397,213	397.21	<b>400.70</b>	122.05	19.96	3.02	<b>1,210.1</b>	<b>48,905</b>	17.8	
8' 3	29' 5	61.6%	105,119	2,503	397,919	397.92	<b>401.42</b>	122.05	19.99	3.03	<b>1,216.3</b>	<b>48,993</b>	17.8	

Tank		Ballast #2 STBD												
Specific Gravity		1.025												
Trim		0												
Capacity		170,687 Gallons												
Label(s)		Ball#2.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
8' 4	29' 4	61.7%	105,306	2,507	398,626	398.63	<b>402.13</b>	122.05	20.02	3.04	<b>1,222.5</b>	<b>49,080</b>	17.8	
8' 5	29' 3	61.8%	105,493	2,512	399,333	399.33	<b>402.84</b>	122.05	20.05	3.05	<b>1,228.7</b>	<b>49,167</b>	17.8	
8' 6	29' 2	61.9%	105,679	2,516	400,040	400.04	<b>403.56</b>	122.05	20.08	3.06	<b>1,234.9</b>	<b>49,254</b>	17.8	
8' 7	29' 1	62.0%	105,866	2,521	400,747	400.75	<b>404.27</b>	122.05	20.10	3.07	<b>1,241.1</b>	<b>49,341</b>	17.8	
8' 8	29' 0	62.1%	106,053	2,525	401,454	401.45	<b>404.98</b>	122.05	20.13	3.08	<b>1,247.3</b>	<b>49,428</b>	17.8	
8' 9	28' 11	62.2%	106,240	2,530	402,160	402.16	<b>405.69</b>	122.05	20.16	3.09	<b>1,253.6</b>	<b>49,514</b>	17.8	
8' 10	28' 10	62.4%	106,426	2,534	402,867	402.87	<b>406.41</b>	122.05	20.19	3.10	<b>1,259.9</b>	<b>49,602</b>	17.8	
8' 11	28' 9	62.5%	106,613	2,538	403,574	403.57	<b>407.12</b>	122.05	20.22	3.11	<b>1,266.1</b>	<b>49,689</b>	17.8	
9' 0	28' 8	62.6%	106,800	2,543	404,281	404.28	<b>407.83</b>	122.05	20.25	3.12	<b>1,272.4</b>	<b>49,776</b>	17.8	
9' 1	28' 7	62.7%	106,986	2,547	404,988	404.99	<b>408.55</b>	122.05	20.28	3.13	<b>1,278.8</b>	<b>49,864</b>	17.8	
9' 2	28' 6	62.8%	107,173	2,552	405,694	405.69	<b>409.26</b>	122.04	20.30	3.14	<b>1,285.1</b>	<b>49,946</b>	17.8	
9' 3	28' 5	62.9%	107,360	2,556	406,401	406.40	<b>409.97</b>	122.04	20.33	3.15	<b>1,291.4</b>	<b>50,033</b>	17.8	
9' 4	28' 4	63.0%	107,547	2,561	407,108	407.11	<b>410.69</b>	122.04	20.36	3.17	<b>1,301.9</b>	<b>50,121</b>	17.8	
9' 5	28' 3	63.1%	107,733	2,565	407,815	407.81	<b>411.40</b>	122.04	20.39	3.18	<b>1,308.3</b>	<b>50,207</b>	17.8	
9' 6	28' 2	63.2%	107,920	2,570	408,522	408.52	<b>412.11</b>	122.04	20.42	3.19	<b>1,314.6</b>	<b>50,294</b>	17.8	
9' 7	28' 1	63.3%	108,107	2,574	409,229	409.23	<b>412.83</b>	122.04	20.44	3.20	<b>1,321.1</b>	<b>50,382</b>	17.8	
9' 8	28' 0	63.4%	108,294	2,578	409,935	409.94	<b>413.54</b>	122.04	20.47	3.21	<b>1,327.5</b>	<b>50,468</b>	17.8	
9' 9	27' 11	63.6%	108,480	2,583	410,642	410.64	<b>414.25</b>	122.04	20.50	3.22	<b>1,333.9</b>	<b>50,555</b>	17.8	
9' 10	27' 10	63.7%	108,667	2,587	411,349	411.35	<b>414.96</b>	122.04	20.53	3.23	<b>1,340.3</b>	<b>50,642</b>	17.8	
9' 11	27' 9	63.8%	108,854	2,592	412,056	412.06	<b>415.68</b>	122.04	20.55	3.24	<b>1,346.8</b>	<b>50,730</b>	17.8	
10' 0	27' 8	63.9%	109,040	2,596	412,763	412.76	<b>416.39</b>	122.04	20.58	3.26	<b>1,357.4</b>	<b>50,816</b>	17.8	
10' 1	27' 7	64.0%	109,227	2,601	413,470	413.47	<b>417.10</b>	122.04	20.61	3.27	<b>1,363.9</b>	<b>50,903</b>	17.8	
10' 2	27' 6	64.1%	109,414	2,605	414,176	414.18	<b>417.82</b>	122.04	20.63	3.28	<b>1,370.4</b>	<b>50,991</b>	17.8	
10' 3	27' 5	64.2%	109,601	2,610	414,883	414.88	<b>418.53</b>	122.04	20.66	3.29	<b>1,377.0</b>	<b>51,077</b>	17.8	
10' 4	27' 4	64.3%	109,787	2,614	415,590	415.59	<b>419.24</b>	122.04	20.69	3.30	<b>1,383.5</b>	<b>51,164</b>	17.8	
10' 5	27' 3	64.4%	109,974	2,618	416,297	416.30	<b>419.96</b>	122.04	20.71	3.32	<b>1,394.3</b>	<b>51,252</b>	17.8	
10' 6	27' 2	64.5%	110,161	2,623	417,004	417.0	<b>420.67</b>	122.04	20.74	3.33	<b>1,400.8</b>	<b>51,339</b>	17.8	
10' 7	27' 1	64.6%	110,347	2,627	417,710	417.71	<b>421.38</b>	122.04	20.77	3.34	<b>1,407.4</b>	<b>51,425</b>	17.8	
10' 8	27' 0	64.8%	110,534	2,632	418,417	418.42	<b>422.09</b>	122.04	20.79	3.35	<b>1,414.0</b>	<b>51,512</b>	17.8	
10' 9	26' 11	64.9%	110,721	2,636	419,124	419.12	<b>422.81</b>	122.04	20.82	3.36	<b>1,420.6</b>	<b>51,600</b>	17.8	
10' 10	26' 10	65.0%	110,908	2,641	419,831	419.83	<b>423.52</b>	122.04	20.85	3.38	<b>1,431.5</b>	<b>51,686</b>	17.8	
10' 11	26' 9	65.1%	111,094	2,645	420,538	420.54	<b>424.23</b>	122.04	20.87	3.39	<b>1,438.1</b>	<b>51,773</b>	17.8	
11' 0	26' 8	65.2%	111,281	2,650	421,245	421.24	<b>424.95</b>	122.04	20.90	3.40	<b>1,444.8</b>	<b>51,861</b>	17.8	



Tank		Ballast #2 STBD												
Specific Gravity		1.025												
Trim		0												
Capacity		170,687 Gallons												
Label(s)		Ball#2.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
11' 1	26' 7	65.3%	111,468	2,654	421,952	421.95	<b>425.66</b>	122.04	20.93	3.42	<b>1,455.8</b>	<b>51,948</b>	17.8	
11' 2	26' 6	65.4%	111,655	2,658	422,658	422.66	<b>426.37</b>	122.04	20.95	3.43	<b>1,462.4</b>	<b>52,034</b>	17.8	
11' 3	26' 5	65.5%	111,841	2,663	423,365	423.36	<b>427.09</b>	122.04	20.98	3.44	<b>1,469.2</b>	<b>52,122</b>	17.8	
11' 4	26' 4	65.6%	112,028	2,667	424,072	424.07	<b>427.80</b>	122.04	21.00	3.46	<b>1,480.2</b>	<b>52,209</b>	17.8	
11' 5	26' 3	65.7%	112,215	2,672	424,779	424.78	<b>428.51</b>	122.04	21.03	3.47	<b>1,486.9</b>	<b>52,295</b>	17.8	
11' 6	26' 2	65.9%	112,401	2,676	425,486	425.49	<b>429.23</b>	122.04	21.05	3.48	<b>1,493.7</b>	<b>52,383</b>	17.8	
11' 7	26' 1	66.0%	112,588	2,681	426,192	426.19	<b>429.94</b>	122.04	21.08	3.50	<b>1,504.8</b>	<b>52,470</b>	17.8	
11' 8	26' 0	66.1%	112,775	2,685	426,899	426.90	<b>430.65</b>	122.04	21.11	3.51	<b>1,511.6</b>	<b>52,557</b>	17.8	
11' 9	25' 11	66.2%	112,962	2,690	427,606	427.61	<b>431.36</b>	122.04	21.13	3.52	<b>1,518.4</b>	<b>52,643</b>	17.8	
11' 10	25' 10	66.3%	113,148	2,694	428,313	428.31	<b>432.08</b>	122.04	21.16	3.54	<b>1,529.6</b>	<b>52,731</b>	17.8	
11' 11	25' 9	66.4%	113,335	2,698	429,020	429.02	<b>432.79</b>	122.04	21.18	3.55	<b>1,536.4</b>	<b>52,818</b>	17.8	
12' 0	25' 8	66.5%	113,522	2,703	429,726	429.73	<b>433.50</b>	122.04	21.21	3.56	<b>1,543.3</b>	<b>52,904</b>	17.8	
12' 1	25' 7	66.6%	113,709	2,707	430,433	430.43	<b>434.22</b>	122.04	21.23	3.58	<b>1,554.5</b>	<b>52,992</b>	17.8	
12' 2	25' 6	66.7%	113,895	2,712	431,140	431.14	<b>434.93</b>	122.04	21.26	3.59	<b>1,561.4</b>	<b>53,079</b>	17.8	
12' 3	25' 5	66.8%	114,082	2,716	431,847	431.85	<b>435.64</b>	122.04	21.28	3.61	<b>1,572.7</b>	<b>53,166</b>	17.8	
12' 4	25' 4	66.9%	114,269	2,721	432,554	432.55	<b>436.36</b>	122.04	21.31	3.62	<b>1,579.6</b>	<b>53,253</b>	17.8	
12' 5	25' 3	67.1%	114,455	2,725	433,261	433.26	<b>437.07</b>	122.04	21.33	3.64	<b>1,590.9</b>	<b>53,340</b>	17.8	
12' 6	25' 2	67.2%	114,642	2,730	433,968	433.97	<b>437.78</b>	122.04	21.35	3.65	<b>1,597.9</b>	<b>53,427</b>	17.8	
12' 7	25' 1	67.3%	114,829	2,734	434,674	434.67	<b>438.49</b>	122.04	21.38	3.67	<b>1,609.3</b>	<b>53,513</b>	17.8	
12' 8	25' 0	67.4%	115,016	2,738	435,381	435.38	<b>439.21</b>	122.04	21.40	3.68	<b>1,616.3</b>	<b>53,601</b>	17.8	
12' 9	24' 11	67.5%	115,202	2,743	436,088	436.09	<b>439.92</b>	122.04	21.43	3.69	<b>1,623.3</b>	<b>53,688</b>	17.8	
12' 10	24' 10	67.6%	115,389	2,747	436,795	436.79	<b>440.63</b>	122.04	21.45	3.71	<b>1,634.7</b>	<b>53,774</b>	17.8	
12' 11	24' 9	67.7%	115,576	2,752	437,502	437.50	<b>441.35</b>	122.04	21.48	3.72	<b>1,641.8</b>	<b>53,862</b>	17.8	
13' 0	24' 8	67.8%	115,762	2,756	438,208	438.21	<b>442.06</b>	122.04	21.50	3.74	<b>1,653.3</b>	<b>53,949</b>	17.8	
13' 1	24' 7	67.9%	115,949	2,761	438,915	438.92	<b>442.77</b>	122.04	21.52	3.75	<b>1,660.4</b>	<b>54,036</b>	17.8	
13' 2	24' 6	68.0%	116,136	2,765	439,622	439.62	<b>443.49</b>	122.04	21.55	3.77	<b>1,672.0</b>	<b>54,124</b>	17.8	
13' 3	24' 5	68.1%	116,323	2,770	440,329	440.33	<b>444.20</b>	122.04	21.57	3.79	<b>1,683.5</b>	<b>54,210</b>	17.8	
13' 4	24' 4	68.3%	116,509	2,774	441,036	441.04	<b>444.91</b>	122.04	21.60	3.80	<b>1,690.7</b>	<b>54,297</b>	17.8	
13' 5	24' 3	68.4%	116,696	2,778	441,742	441.74	<b>445.63</b>	122.04	21.62	3.82	<b>1,702.3</b>	<b>54,385</b>	17.8	
13' 6	24' 2	68.5%	116,883	2,783	442,449	442.45	<b>446.34</b>	122.04	21.64	3.83	<b>1,709.5</b>	<b>54,471</b>	17.8	
13' 7	24' 1	68.6%	117,070	2,787	443,156	443.16	<b>447.05</b>	122.04	21.67	3.85	<b>1,721.1</b>	<b>54,558</b>	17.8	
13' 8	24' 0	68.7%	117,256	2,792	443,863	443.86	<b>447.76</b>	122.04	21.69	3.86	<b>1,728.4</b>	<b>54,645</b>	17.8	
13' 9	23' 11	68.8%	117,443	2,796	444,570	444.57	<b>448.48</b>	122.04	21.71	3.88	<b>1,740.1</b>	<b>54,732</b>	17.8	

Tank		Ballast #2 STBD												
Specific Gravity		1.025												
Trim		0												
Capacity		170,687 Gallons												
Label(s)		Ball#2.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
13' 10	23' 10	68.9%	117,630	2,801	445,277	445.28	<b>449.19</b>	122.04	21.74	3.89	<b>1,747.3</b>	<b>54,819</b>	17.8	
13' 11	23' 9	69.0%	117,816	2,805	445,984	445.98	<b>449.90</b>	122.04	21.76	3.91	<b>1,759.1</b>	<b>54,906</b>	17.8	
14' 0	23' 8	69.1%	118,003	2,810	446,690	446.69	<b>450.62</b>	122.04	21.78	3.93	<b>1,770.9</b>	<b>54,994</b>	17.8	
14' 1	23' 7	69.2%	118,190	2,814	447,397	447.40	<b>451.33</b>	122.04	21.81	3.94	<b>1,778.2</b>	<b>55,080</b>	17.8	
14' 2	23' 6	69.4%	118,377	2,818	448,104	448.10	<b>452.04</b>	122.04	21.83	3.96	<b>1,790.1</b>	<b>55,167</b>	17.8	
14' 3	23' 5	69.5%	118,563	2,823	448,811	448.81	<b>452.76</b>	122.04	21.85	3.98	<b>1,802.0</b>	<b>55,255</b>	17.8	
14' 4	23' 4	69.6%	118,750	2,827	449,518	449.52	<b>453.47</b>	122.04	21.88	3.99	<b>1,809.3</b>	<b>55,341</b>	17.8	
14' 5	23' 3	69.7%	118,937	2,832	450,224	450.22	<b>454.18</b>	122.04	21.90	4.01	<b>1,821.3</b>	<b>55,428</b>	17.8	
14' 6	23' 2	69.8%	119,124	2,836	450,932	450.93	<b>454.89</b>	122.04	21.92	4.02	<b>1,828.7</b>	<b>55,515</b>	17.8	
14' 7	23' 1	69.9%	119,310	2,841	451,638	451.64	<b>455.61</b>	122.04	21.95	4.04	<b>1,840.7</b>	<b>55,603</b>	17.8	
14' 8	23' 0	70.0%	119,497	2,845	452,345	452.34	<b>456.32</b>	122.04	21.97	4.06	<b>1,852.7</b>	<b>55,689</b>	17.8	
14' 9	22' 11	70.1%	119,684	2,850	453,052	453.05	<b>457.03</b>	122.04	21.99	4.07	<b>1,860.1</b>	<b>55,776</b>	17.8	
14' 10	22' 10	70.2%	119,870	2,854	453,758	453.76	<b>457.75</b>	122.04	22.01	4.09	<b>1,872.2</b>	<b>55,864</b>	17.8	
14' 11	22' 9	70.3%	120,057	2,859	454,466	454.47	<b>458.46</b>	122.04	22.04	4.11	<b>1,884.3</b>	<b>55,950</b>	17.8	
15' 0	22' 8	70.4%	120,244	2,863	455,172	455.17	<b>459.17</b>	122.04	22.06	4.13	<b>1,896.4</b>	<b>56,037</b>	17.8	
15' 1	22' 7	70.6%	120,431	2,867	455,879	455.88	<b>459.89</b>	122.04	22.08	4.14	<b>1,903.9</b>	<b>56,125</b>	17.8	
15' 2	22' 6	70.7%	120,617	2,872	456,586	456.59	<b>460.60</b>	122.04	22.10	4.16	<b>1,916.1</b>	<b>56,212</b>	17.8	
15' 3	22' 5	70.8%	120,804	2,876	457,293	457.29	<b>461.31</b>	122.04	22.12	4.18	<b>1,928.3</b>	<b>56,298</b>	17.8	
15' 4	22' 4	70.9%	120,991	2,881	458,000	458.0	<b>462.02</b>	122.04	22.15	4.19	<b>1,935.9</b>	<b>56,385</b>	17.8	
15' 5	22' 3	71.0%	121,177	2,885	458,706	458.71	<b>462.74</b>	122.04	22.17	4.21	<b>1,948.1</b>	<b>56,473</b>	17.8	
15' 6	22' 2	71.1%	121,364	2,890	459,413	459.41	<b>463.45</b>	122.04	22.19	4.23	<b>1,960.4</b>	<b>56,559</b>	17.8	
15' 7	22' 1	71.2%	121,551	2,894	460,120	460.12	<b>464.16</b>	122.04	22.21	4.25	<b>1,972.7</b>	<b>56,646</b>	17.8	
15' 8	22' 0	71.3%	121,738	2,899	460,827	460.83	<b>464.88</b>	122.04	22.23	4.26	<b>1,980.4</b>	<b>56,734</b>	17.8	
15' 9	21' 11	71.4%	121,924	2,903	461,534	461.53	<b>465.59</b>	122.04	22.26	4.28	<b>1,992.7</b>	<b>56,821</b>	17.8	
15' 10	21' 10	71.5%	122,111	2,907	462,240	462.24	<b>466.30</b>	122.04	22.28	4.30	<b>2,005.1</b>	<b>56,907</b>	17.8	
15' 11	21' 9	71.7%	122,298	2,912	462,947	462.95	<b>467.02</b>	122.04	22.30	4.32	<b>2,017.5</b>	<b>56,995</b>	17.8	
16' 0	21' 8	71.8%	122,485	2,916	463,654	463.65	<b>467.73</b>	122.04	22.32	4.34	<b>2,029.9</b>	<b>57,082</b>	17.8	
16' 1	21' 7	71.9%	122,671	2,921	464,361	464.36	<b>468.44</b>	122.04	22.34	4.35	<b>2,037.7</b>	<b>57,168</b>	17.8	
16' 2	21' 6	72.0%	122,858	2,925	465,068	465.07	<b>469.16</b>	122.04	22.36	4.37	<b>2,050.2</b>	<b>57,256</b>	17.8	
16' 3	21' 5	72.1%	123,045	2,930	465,775	465.77	<b>469.87</b>	122.04	22.39	4.39	<b>2,062.7</b>	<b>57,343</b>	17.8	
16' 4	21' 4	72.2%	123,231	2,934	466,482	466.48	<b>470.58</b>	122.04	22.41	4.41	<b>2,075.3</b>	<b>57,430</b>	17.8	
16' 5	21' 3	72.3%	123,418	2,939	467,188	467.19	<b>471.29</b>	122.04	22.43	4.43	<b>2,087.8</b>	<b>57,516</b>	17.8	
16' 6	21' 2	72.4%	123,605	2,943	467,895	467.90	<b>472.01</b>	122.04	22.45	4.44	<b>2,095.7</b>	<b>57,604</b>	17.8	

Tank		Ballast #2 STBD												
Specific Gravity		1.025												
Trim		0												
Capacity		170,687 Gallons												
Label(s)		Ball#2.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
16' 7	21' 1	72.5%	123,792	2,947	468,602	468.60	<b>472.72</b>	122.04	22.47	4.46	<b>2,108.3</b>	<b>57,691</b>	17.8	
16' 8	21' 0	72.6%	123,978	2,952	469,309	469.31	<b>473.43</b>	122.04	22.49	4.48	<b>2,121.0</b>	<b>57,777</b>	17.8	
16' 9	20' 11	72.7%	124,165	2,956	470,016	470.02	<b>474.15</b>	122.04	22.51	4.50	<b>2,133.7</b>	<b>57,865</b>	17.8	
16' 10	20' 10	72.9%	124,352	2,961	470,722	470.72	<b>474.86</b>	122.04	22.53	4.52	<b>2,146.4</b>	<b>57,952</b>	17.8	
16' 11	20' 9	73.0%	124,539	2,965	471,430	471.43	<b>475.57</b>	122.04	22.55	4.54	<b>2,159.1</b>	<b>58,039</b>	17.8	
17' 0	20' 8	73.1%	124,725	2,970	472,136	472.14	<b>476.29</b>	122.04	22.57	4.56	<b>2,171.9</b>	<b>58,126</b>	17.8	
17' 1	20' 7	73.2%	124,912	2,974	472,843	472.84	<b>477.0</b>	122.04	22.60	4.57	<b>2,179.9</b>	<b>58,213</b>	17.8	
17' 2	20' 6	73.3%	125,099	2,979	473,550	473.55	<b>477.71</b>	122.04	22.62	4.59	<b>2,192.7</b>	<b>58,300</b>	17.8	
17' 3	20' 5	73.4%	125,285	2,983	474,257	474.26	<b>478.42</b>	122.04	22.64	4.61	<b>2,205.5</b>	<b>58,386</b>	17.8	
17' 4	20' 4	73.5%	125,472	2,987	474,964	474.96	<b>479.14</b>	122.04	22.66	4.63	<b>2,218.4</b>	<b>58,474</b>	17.8	
17' 5	20' 3	73.6%	125,659	2,992	475,670	475.67	<b>479.85</b>	122.04	22.68	4.65	<b>2,231.3</b>	<b>58,561</b>	17.8	
17' 6	20' 2	73.7%	125,846	2,996	476,377	476.38	<b>480.56</b>	122.04	22.70	4.67	<b>2,244.2</b>	<b>58,648</b>	17.8	
17' 7	20' 1	73.8%	126,032	3,001	477,084	477.08	<b>481.28</b>	122.04	22.72	4.69	<b>2,257.2</b>	<b>58,735</b>	17.8	
17' 8	20' 0	73.9%	126,219	3,005	477,791	477.79	<b>481.99</b>	122.04	22.74	4.71	<b>2,270.2</b>	<b>58,822</b>	17.8	
17' 9	19' 11	74.1%	126,406	3,010	478,498	478.50	<b>482.70</b>	122.04	22.76	4.73	<b>2,283.2</b>	<b>58,909</b>	17.8	
17' 10	19' 10	74.2%	126,592	3,014	479,204	479.20	<b>483.42</b>	122.04	22.78	4.75	<b>2,296.2</b>	<b>58,997</b>	17.8	
17' 11	19' 9	74.3%	126,779	3,019	479,911	479.91	<b>484.13</b>	122.04	22.80	4.77	<b>2,309.3</b>	<b>59,083</b>	17.8	
18' 0	19' 8	74.4%	126,966	3,023	480,618	480.62	<b>484.84</b>	122.04	22.82	4.79	<b>2,322.4</b>	<b>59,170</b>	17.8	
18' 1	19' 7	74.5%	127,153	3,027	481,325	481.32	<b>485.56</b>	122.04	22.84	4.81	<b>2,335.5</b>	<b>59,258</b>	17.8	
18' 2	19' 6	74.6%	127,339	3,032	482,032	482.03	<b>486.27</b>	122.04	22.86	4.82	<b>2,343.8</b>	<b>59,344</b>	17.8	
18' 3	19' 5	74.7%	127,526	3,036	482,739	482.74	<b>486.98</b>	122.04	22.88	4.84	<b>2,357.0</b>	<b>59,431</b>	17.8	
18' 4	19' 4	74.8%	127,713	3,041	483,446	483.45	<b>487.69</b>	122.04	22.90	4.86	<b>2,370.2</b>	<b>59,518</b>	17.8	
18' 5	19' 3	74.9%	127,900	3,045	484,152	484.15	<b>488.41</b>	122.04	22.92	4.88	<b>2,383.4</b>	<b>59,606</b>	17.8	
18' 6	19' 2	75.0%	128,086	3,050	484,859	484.86	<b>489.12</b>	122.04	22.94	4.90	<b>2,396.7</b>	<b>59,692</b>	17.8	
18' 7	19' 1	75.2%	128,273	3,054	485,566	485.57	<b>489.83</b>	122.04	22.96	4.92	<b>2,410.0</b>	<b>59,779</b>	17.8	
18' 8	19' 0	75.3%	128,460	3,059	486,273	486.27	<b>490.55</b>	122.04	22.98	4.94	<b>2,423.3</b>	<b>59,867</b>	17.8	
18' 9	18' 11	75.4%	128,646	3,063	486,980	486.98	<b>491.26</b>	122.04	23.00	4.96	<b>2,436.6</b>	<b>59,953</b>	17.8	
18' 10	18' 10	75.5%	128,833	3,067	487,686	487.69	<b>491.97</b>	122.04	23.02	4.98	<b>2,450.0</b>	<b>60,040</b>	17.8	
18' 11	18' 9	75.6%	129,020	3,072	488,393	488.39	<b>492.69</b>	122.04	23.04	5.00	<b>2,463.5</b>	<b>60,128</b>	17.8	
19' 0	18' 8	75.7%	129,207	3,076	489,100	489.10	<b>493.40</b>	122.04	23.06	5.03	<b>2,481.8</b>	<b>60,215</b>	17.8	
19' 1	18' 7	75.8%	129,393	3,081	489,807	489.81	<b>494.11</b>	122.04	23.07	5.05	<b>2,495.3</b>	<b>60,301</b>	17.8	
19' 2	18' 6	75.9%	129,580	3,085	490,514	490.51	<b>494.82</b>	122.04	23.09	5.07	<b>2,508.7</b>	<b>60,388</b>	17.8	
19' 3	18' 5	76.0%	129,767	3,090	491,221	491.22	<b>495.54</b>	122.04	23.11	5.09	<b>2,522.3</b>	<b>60,476</b>	17.8	

Tank		Ballast #2 STBD											
Specific Gravity		1.025											
Trim		0											
Capacity		170,687 Gallons											
Label(s)		Ball#2.s											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
19' 4	18' 4	76.1%	129,954	3,094	491,928	491.93	<b>496.25</b>	122.04	23.13	5.11	<b>2,535.8</b>	<b>60,562</b>	17.8
19' 5	18' 3	76.2%	130,140	3,099	492,634	492.63	<b>496.96</b>	122.04	23.15	5.13	<b>2,549.4</b>	<b>60,649</b>	17.8
19' 6	18' 2	76.4%	130,327	3,103	493,341	493.34	<b>497.68</b>	122.04	23.17	5.15	<b>2,563.1</b>	<b>60,737</b>	17.8
19' 7	18' 1	76.5%	130,514	3,107	494,048	494.05	<b>498.39</b>	122.04	23.19	5.17	<b>2,576.7</b>	<b>60,824</b>	17.8
19' 8	18' 0	76.6%	130,700	3,112	494,755	494.75	<b>499.10</b>	122.04	23.21	5.19	<b>2,590.3</b>	<b>60,910</b>	17.8
19' 9	17' 11	76.7%	130,887	3,116	495,462	495.46	<b>499.82</b>	122.04	23.23	5.21	<b>2,604.1</b>	<b>60,998</b>	17.8
19' 10	17' 10	76.8%	131,074	3,121	496,169	496.17	<b>500.53</b>	122.04	23.25	5.23	<b>2,617.8</b>	<b>61,085</b>	17.8
19' 11	17' 9	76.9%	131,261	3,125	496,875	496.88	<b>501.24</b>	122.04	23.26	5.25	<b>2,631.5</b>	<b>61,171</b>	17.8
20' 0	17' 8	77.0%	131,447	3,130	497,582	497.58	<b>501.96</b>	122.04	23.28	5.27	<b>2,645.3</b>	<b>61,259</b>	17.8
20' 1	17' 7	77.1%	131,634	3,134	498,289	498.29	<b>502.67</b>	122.04	23.30	5.29	<b>2,659.1</b>	<b>61,346</b>	17.8
20' 2	17' 6	77.2%	131,821	3,139	498,996	499.0	<b>503.38</b>	122.04	23.32	5.32	<b>2,678.0</b>	<b>61,432</b>	17.8
20' 3	17' 5	77.3%	132,008	3,143	499,703	499.70	<b>504.09</b>	122.04	23.34	5.34	<b>2,691.8</b>	<b>61,519</b>	17.8
20' 4	17' 4	77.4%	132,194	3,147	500,409	500.41	<b>504.81</b>	122.04	23.36	5.36	<b>2,705.8</b>	<b>61,607</b>	17.8
20' 5	17' 3	77.6%	132,381	3,152	501,116	501.12	<b>505.52</b>	122.04	23.38	5.38	<b>2,719.7</b>	<b>61,694</b>	17.8
20' 6	17' 2	77.7%	132,568	3,156	501,823	501.82	<b>506.23</b>	122.04	23.39	5.40	<b>2,733.6</b>	<b>61,780</b>	17.8
20' 7	17' 1	77.8%	132,754	3,161	502,530	502.53	<b>506.95</b>	122.04	23.41	5.42	<b>2,747.7</b>	<b>61,868</b>	17.8
20' 8	17' 0	77.9%	132,941	3,165	503,237	503.24	<b>507.66</b>	122.04	23.43	5.44	<b>2,761.7</b>	<b>61,955</b>	17.8
20' 9	16' 11	78.0%	133,128	3,170	503,944	503.94	<b>508.37</b>	122.04	23.45	5.47	<b>2,780.8</b>	<b>62,041</b>	17.8
20' 10	16' 10	78.1%	133,315	3,174	504,650	504.65	<b>509.09</b>	122.04	23.47	5.49	<b>2,794.9</b>	<b>62,129</b>	17.8
20' 11	16' 9	78.2%	133,501	3,179	505,357	505.36	<b>509.80</b>	122.04	23.49	5.51	<b>2,809.0</b>	<b>62,216</b>	17.8
21' 0	16' 8	78.3%	133,688	3,183	506,064	506.06	<b>510.51</b>	122.04	23.50	5.53	<b>2,823.1</b>	<b>62,303</b>	17.8
21' 1	16' 7	78.4%	133,875	3,187	506,771	506.77	<b>511.22</b>	122.04	23.52	5.55	<b>2,837.3</b>	<b>62,389</b>	17.8
21' 2	16' 6	78.5%	134,062	3,192	507,478	507.48	<b>511.94</b>	122.04	23.54	5.57	<b>2,851.5</b>	<b>62,477</b>	17.8
21' 3	16' 5	78.7%	134,248	3,196	508,185	508.18	<b>512.65</b>	122.04	23.56	5.60	<b>2,870.8</b>	<b>62,564</b>	17.8
21' 4	16' 4	78.8%	134,435	3,201	508,891	508.89	<b>513.36</b>	122.04	23.58	5.62	<b>2,885.1</b>	<b>62,650</b>	17.8
21' 5	16' 3	78.9%	134,622	3,205	509,598	509.60	<b>514.08</b>	122.04	23.59	5.64	<b>2,899.4</b>	<b>62,738</b>	17.8
21' 6	16' 2	79.0%	134,808	3,210	510,305	510.30	<b>514.79</b>	122.04	23.61	5.66	<b>2,913.7</b>	<b>62,825</b>	17.8
21' 7	16' 1	79.1%	134,995	3,214	511,012	511.01	<b>515.50</b>	122.04	23.63	5.68	<b>2,928.0</b>	<b>62,912</b>	17.8
21' 8	16' 0	79.2%	135,182	3,219	511,719	511.72	<b>516.22</b>	122.04	23.65	5.71	<b>2,947.6</b>	<b>62,999</b>	17.8
21' 9	15' 11	79.3%	135,369	3,223	512,426	512.43	<b>516.93</b>	122.04	23.66	5.73	<b>2,962.0</b>	<b>63,086</b>	17.8
21' 10	15' 10	79.4%	135,555	3,228	513,133	513.13	<b>517.64</b>	122.04	23.68	5.75	<b>2,976.4</b>	<b>63,173</b>	17.8
21' 11	15' 9	79.5%	135,742	3,232	513,839	513.84	<b>518.36</b>	122.04	23.70	5.77	<b>2,990.9</b>	<b>63,261</b>	17.8
22' 0	15' 8	79.6%	135,929	3,236	514,546	514.55	<b>519.07</b>	122.04	23.72	5.80	<b>3,010.6</b>	<b>63,347</b>	17.8

Tank		Ballast #2 STBD												
Specific Gravity		1.025												
Trim		0												
Capacity		170,687 Gallons												
Label(s)		Ball#2.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
22' 1	15' 7	79.7%	136,115	3,241	515,253	515.25	<b>519.78</b>	122.04	23.73	5.82	<b>3,025.1</b>	<b>63,434</b>	17.8	
22' 2	15' 6	79.9%	136,302	3,245	515,960	515.96	<b>520.49</b>	122.04	23.75	5.84	<b>3,039.7</b>	<b>63,521</b>	17.8	
22' 3	15' 5	80.0%	136,489	3,250	516,667	516.67	<b>521.21</b>	122.04	23.77	5.86	<b>3,054.3</b>	<b>63,608</b>	17.8	
22' 4	15' 4	80.1%	136,676	3,254	517,373	517.37	<b>521.92</b>	122.04	23.79	5.89	<b>3,074.1</b>	<b>63,695</b>	17.8	
22' 5	15' 3	80.2%	136,862	3,259	518,080	518.08	<b>522.63</b>	122.04	23.80	5.91	<b>3,088.7</b>	<b>63,782</b>	17.8	
22' 6	15' 2	80.3%	137,049	3,263	518,787	518.79	<b>523.35</b>	122.04	23.82	5.93	<b>3,103.5</b>	<b>63,870</b>	17.8	
22' 7	15' 1	80.4%	137,236	3,268	519,494	519.49	<b>524.06</b>	122.04	23.84	5.95	<b>3,118.2</b>	<b>63,956</b>	17.8	
22' 8	15' 0	80.5%	137,423	3,272	520,201	520.20	<b>524.77</b>	122.04	23.86	5.98	<b>3,138.1</b>	<b>64,043</b>	17.8	
22' 9	14' 11	80.6%	137,609	3,276	520,908	520.91	<b>525.49</b>	122.03	23.87	6.00	<b>3,152.9</b>	<b>64,126</b>	17.8	
22' 10	14' 10	80.7%	137,796	3,281	521,615	521.61	<b>526.20</b>	122.03	23.89	6.02	<b>3,167.7</b>	<b>64,212</b>	17.8	
22' 11	14' 9	80.8%	137,983	3,285	522,321	522.32	<b>526.91</b>	122.03	23.91	6.04	<b>3,182.5</b>	<b>64,299</b>	17.8	
23' 0	14' 8	80.9%	138,169	3,290	523,028	523.03	<b>527.63</b>	122.03	23.92	6.07	<b>3,202.7</b>	<b>64,387</b>	17.8	
23' 1	14' 7	81.1%	138,356	3,294	523,735	523.73	<b>528.34</b>	122.03	23.94	6.09	<b>3,217.6</b>	<b>64,473</b>	17.8	
23' 2	14' 6	81.2%	138,543	3,299	524,442	524.44	<b>529.05</b>	122.03	23.96	6.11	<b>3,232.5</b>	<b>64,560</b>	17.8	
23' 3	14' 5	81.3%	138,730	3,303	525,149	525.15	<b>529.76</b>	122.03	23.97	6.14	<b>3,252.7</b>	<b>64,647</b>	17.8	
23' 4	14' 4	81.4%	138,916	3,308	525,855	525.86	<b>530.48</b>	122.03	23.99	6.16	<b>3,267.8</b>	<b>64,734</b>	17.8	
23' 5	14' 3	81.5%	139,103	3,312	526,562	526.56	<b>531.19</b>	122.03	24.01	6.18	<b>3,282.8</b>	<b>64,821</b>	17.8	
23' 6	14' 2	81.6%	139,290	3,316	527,269	527.27	<b>531.90</b>	122.03	24.02	6.21	<b>3,303.1</b>	<b>64,908</b>	17.8	
23' 7	14' 1	81.7%	139,477	3,321	527,976	527.98	<b>532.62</b>	122.03	24.04	6.23	<b>3,318.2</b>	<b>64,996</b>	17.8	
23' 8	14' 0	81.8%	139,663	3,325	528,683	528.68	<b>533.33</b>	122.03	24.06	6.25	<b>3,333.3</b>	<b>65,082</b>	17.8	
23' 9	13' 11	81.9%	139,850	3,330	529,390	529.39	<b>534.04</b>	122.03	24.07	6.28	<b>3,353.8</b>	<b>65,169</b>	17.8	
23' 10	13' 10	82.0%	140,037	3,334	530,097	530.10	<b>534.76</b>	122.03	24.09	6.30	<b>3,369.0</b>	<b>65,257</b>	17.8	
23' 11	13' 9	82.2%	140,223	3,339	530,803	530.80	<b>535.47</b>	122.03	24.11	6.32	<b>3,384.2</b>	<b>65,343</b>	17.8	
24' 0	13' 8	82.3%	140,410	3,343	531,510	531.51	<b>536.18</b>	122.03	24.12	6.35	<b>3,404.7</b>	<b>65,430</b>	17.8	
24' 1	13' 7	82.4%	140,597	3,348	532,217	532.22	<b>536.89</b>	122.03	24.14	6.37	<b>3,420.0</b>	<b>65,517</b>	17.8	
24' 2	13' 6	82.5%	140,784	3,352	532,924	532.92	<b>537.61</b>	122.03	24.16	6.39	<b>3,435.3</b>	<b>65,605</b>	17.8	
24' 3	13' 5	82.6%	140,970	3,356	533,631	533.63	<b>538.32</b>	122.03	24.17	6.42	<b>3,456.0</b>	<b>65,691</b>	17.8	
24' 4	13' 4	82.7%	141,157	3,361	534,337	534.34	<b>539.03</b>	122.03	24.19	6.44	<b>3,471.4</b>	<b>65,778</b>	17.8	
24' 5	13' 3	82.8%	141,344	3,365	535,044	535.04	<b>539.75</b>	122.03	24.20	6.47	<b>3,492.2</b>	<b>65,866</b>	17.8	
24' 6	13' 2	82.9%	141,531	3,370	535,751	535.75	<b>540.46</b>	122.03	24.22	6.49	<b>3,507.6</b>	<b>65,952</b>	17.8	
24' 7	13' 1	83.0%	141,717	3,374	536,458	536.46	<b>541.17</b>	122.03	24.24	6.51	<b>3,523.0</b>	<b>66,039</b>	17.8	
24' 8	13' 0	83.1%	141,904	3,379	537,165	537.16	<b>541.89</b>	122.03	24.25	6.54	<b>3,544.0</b>	<b>66,127</b>	17.8	
24' 9	12' 11	83.2%	142,091	3,383	537,872	537.87	<b>542.60</b>	122.03	24.27	6.56	<b>3,559.5</b>	<b>66,213</b>	17.8	

Tank		Ballast #2 STBD												
Specific Gravity		1.025												
Trim		0												
Capacity		170,687 Gallons												
Label(s)		Ball#2.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
24' 10	12' 10	83.4%	142,277	3,388	538,579	538.58	<b>543.31</b>	122.03	24.29	6.59	<b>3,580.4</b>	<b>66,300</b>	17.8	
24' 11	12' 9	83.5%	142,464	3,392	539,285	539.29	<b>544.03</b>	122.03	24.30	6.61	<b>3,596.0</b>	<b>66,388</b>	17.8	
25' 0	12' 8	83.6%	142,651	3,396	539,992	539.99	<b>544.74</b>	122.03	24.32	6.63	<b>3,611.6</b>	<b>66,475</b>	17.8	
25' 1	12' 7	83.7%	142,838	3,401	540,699	540.70	<b>545.45</b>	122.03	24.33	6.66	<b>3,632.7</b>	<b>66,561</b>	17.8	
25' 2	12' 6	83.8%	143,024	3,405	541,406	541.41	<b>546.16</b>	122.03	24.35	6.68	<b>3,648.3</b>	<b>66,648</b>	17.8	
25' 3	12' 5	83.9%	143,211	3,410	542,113	542.11	<b>546.88</b>	122.03	24.36	6.71	<b>3,669.6</b>	<b>66,736</b>	17.8	
25' 4	12' 4	84.0%	143,398	3,414	542,819	542.82	<b>547.59</b>	122.03	24.38	6.73	<b>3,685.3</b>	<b>66,822</b>	17.8	
25' 5	12' 3	84.1%	143,585	3,419	543,526	543.53	<b>548.30</b>	122.03	24.40	6.76	<b>3,706.5</b>	<b>66,909</b>	17.8	
25' 6	12' 2	84.2%	143,771	3,423	544,233	544.23	<b>549.02</b>	122.03	24.41	6.78	<b>3,722.4</b>	<b>66,997</b>	17.8	
25' 7	12' 1	84.3%	143,958	3,428	544,940	544.94	<b>549.73</b>	122.03	24.43	6.80	<b>3,738.2</b>	<b>67,084</b>	17.8	
25' 8	12' 0	84.4%	144,145	3,432	545,647	545.65	<b>550.44</b>	122.03	24.44	6.83	<b>3,759.5</b>	<b>67,170</b>	17.8	
25' 9	11' 11	84.6%	144,331	3,436	546,354	546.35	<b>551.16</b>	122.03	24.46	6.85	<b>3,775.4</b>	<b>67,258</b>	17.8	
25' 10	11' 10	84.7%	144,518	3,441	547,061	547.06	<b>551.87</b>	122.03	24.47	6.88	<b>3,796.9</b>	<b>67,345</b>	17.8	
25' 11	11' 9	84.8%	144,705	3,445	547,767	547.77	<b>552.58</b>	122.03	24.49	6.90	<b>3,812.8</b>	<b>67,431</b>	17.8	
26' 0	11' 8	84.9%	144,892	3,450	548,474	548.47	<b>553.29</b>	122.03	24.50	6.93	<b>3,834.3</b>	<b>67,518</b>	17.8	
26' 1	11' 7	85.0%	145,078	3,454	549,181	549.18	<b>554.01</b>	122.03	24.52	6.95	<b>3,850.4</b>	<b>67,606</b>	17.8	
26' 2	11' 6	85.1%	145,265	3,459	549,888	549.89	<b>554.72</b>	122.03	24.54	6.98	<b>3,871.9</b>	<b>67,692</b>	17.8	
26' 3	11' 5	85.2%	145,452	3,463	550,595	550.59	<b>555.43</b>	122.03	24.55	7.00	<b>3,888.0</b>	<b>67,779</b>	17.8	
26' 4	11' 4	85.3%	145,639	3,468	551,302	551.30	<b>556.15</b>	122.03	24.57	7.03	<b>3,909.7</b>	<b>67,867</b>	17.8	
26' 5	11' 3	85.4%	145,825	3,472	552,008	552.01	<b>556.86</b>	122.03	24.58	7.05	<b>3,925.9</b>	<b>67,954</b>	17.8	
26' 6	11' 2	85.5%	146,012	3,476	552,715	552.72	<b>557.57</b>	122.03	24.60	7.08	<b>3,947.6</b>	<b>68,040</b>	17.8	
26' 7	11' 1	85.7%	146,199	3,481	553,422	553.42	<b>558.29</b>	122.03	24.61	7.10	<b>3,963.9</b>	<b>68,128</b>	17.8	
26' 8	11' 0	85.8%	146,385	3,485	554,129	554.13	<b>559.0</b>	122.03	24.63	7.13	<b>3,985.7</b>	<b>68,215</b>	17.8	
26' 9	10' 11	85.9%	146,572	3,490	554,836	554.84	<b>559.71</b>	122.03	24.64	7.15	<b>4,001.9</b>	<b>68,301</b>	17.8	
26' 10	10' 10	86.0%	146,759	3,494	555,542	555.54	<b>560.43</b>	122.03	24.66	7.18	<b>4,023.9</b>	<b>68,389</b>	17.8	
26' 11	10' 9	86.1%	146,946	3,499	556,249	556.25	<b>561.14</b>	122.03	24.67	7.20	<b>4,040.2</b>	<b>68,476</b>	17.8	
27' 0	10' 8	86.2%	147,132	3,503	556,956	556.96	<b>561.85</b>	122.03	24.69	7.23	<b>4,062.2</b>	<b>68,563</b>	17.8	
27' 1	10' 7	86.3%	147,319	3,508	557,663	557.66	<b>562.56</b>	122.03	24.70	7.25	<b>4,078.6</b>	<b>68,649</b>	17.8	
27' 2	10' 6	86.4%	147,506	3,512	558,370	558.37	<b>563.28</b>	122.03	24.72	7.28	<b>4,100.7</b>	<b>68,737</b>	17.8	
27' 3	10' 5	86.5%	147,692	3,516	559,077	559.08	<b>563.99</b>	122.03	24.73	7.30	<b>4,117.1</b>	<b>68,824</b>	17.8	
27' 4	10' 4	86.6%	147,879	3,521	559,784	559.78	<b>564.70</b>	122.03	24.75	7.33	<b>4,139.3</b>	<b>68,910</b>	17.8	
27' 5	10' 3	86.7%	148,066	3,525	560,490	560.49	<b>565.42</b>	122.03	24.76	7.35	<b>4,155.8</b>	<b>68,998</b>	17.8	
27' 6	10' 2	86.9%	148,253	3,530	561,197	561.20	<b>566.13</b>	122.03	24.78	7.38	<b>4,178.0</b>	<b>69,085</b>	17.8	

Tank		Ballast #2 STBD												
Specific Gravity		1.025												
Trim		0												
Capacity		170,687 Gallons												
Label(s)		Ball#2.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
27' 7	10' 1	87.0%	148,439	3,534	561,904	561.90	<b>566.84</b>	122.03	24.79	7.40	<b>4,194.6</b>	<b>69,171</b>	17.8	
27' 8	10' 0	87.1%	148,626	3,539	562,611	562.61	<b>567.56</b>	122.03	24.80	7.43	<b>4,217.0</b>	<b>69,259</b>	17.8	
27' 9	9' 11	87.2%	148,813	3,543	563,318	563.32	<b>568.27</b>	122.03	24.82	7.46	<b>4,239.3</b>	<b>69,346</b>	17.8	
27' 10	9' 10	87.3%	149,000	3,548	564,024	564.02	<b>568.98</b>	122.03	24.83	7.48	<b>4,256.0</b>	<b>69,433</b>	17.8	
27' 11	9' 9	87.4%	149,186	3,552	564,731	564.73	<b>569.69</b>	122.03	24.85	7.51	<b>4,278.4</b>	<b>69,519</b>	17.8	
28' 0	9' 8	87.5%	149,373	3,557	565,438	565.44	<b>570.41</b>	122.03	24.86	7.53	<b>4,295.2</b>	<b>69,607</b>	17.8	
28' 1	9' 7	87.6%	149,560	3,561	566,145	566.15	<b>571.12</b>	122.03	24.88	7.56	<b>4,317.7</b>	<b>69,694</b>	17.8	
28' 2	9' 6	87.7%	149,746	3,565	566,852	566.85	<b>571.83</b>	122.03	24.89	7.58	<b>4,334.5</b>	<b>69,780</b>	17.8	
28' 3	9' 5	87.8%	149,933	3,570	567,559	567.56	<b>572.55</b>	122.03	24.91	7.61	<b>4,357.1</b>	<b>69,868</b>	17.8	
28' 4	9' 4	88.0%	150,120	3,574	568,266	568.27	<b>573.26</b>	122.03	24.92	7.64	<b>4,379.7</b>	<b>69,955</b>	17.8	
28' 5	9' 3	88.1%	150,307	3,579	568,972	568.97	<b>573.97</b>	122.03	24.93	7.66	<b>4,396.6</b>	<b>70,042</b>	17.8	
28' 6	9' 2	88.2%	150,493	3,583	569,679	569.68	<b>574.69</b>	122.03	24.95	7.69	<b>4,419.4</b>	<b>70,129</b>	17.8	
28' 7	9' 1	88.3%	150,680	3,588	570,386	570.39	<b>575.40</b>	122.03	24.96	7.71	<b>4,436.3</b>	<b>70,216</b>	17.8	
28' 8	9' 0	88.4%	150,867	3,592	571,093	571.09	<b>576.11</b>	122.03	24.98	7.74	<b>4,459.1</b>	<b>70,303</b>	17.8	
28' 9	8' 11	88.5%	151,054	3,597	571,800	571.80	<b>576.83</b>	122.03	24.99	7.76	<b>4,476.2</b>	<b>70,391</b>	17.8	
28' 10	8' 10	88.6%	151,240	3,601	572,506	572.51	<b>577.54</b>	122.03	25.01	7.79	<b>4,499.0</b>	<b>70,477</b>	17.8	
28' 11	8' 9	88.7%	151,427	3,605	573,213	573.21	<b>578.25</b>	122.03	25.02	7.82	<b>4,521.9</b>	<b>70,564</b>	17.8	
29' 0	8' 8	88.8%	151,614	3,610	573,920	573.92	<b>578.96</b>	122.03	25.03	7.84	<b>4,539.0</b>	<b>70,650</b>	17.8	
29' 1	8' 7	88.9%	151,800	3,614	574,627	574.63	<b>579.68</b>	122.03	25.05	7.87	<b>4,562.1</b>	<b>70,738</b>	17.8	
29' 2	8' 6	89.0%	151,987	3,619	575,334	575.33	<b>580.39</b>	122.03	25.06	7.90	<b>4,585.1</b>	<b>70,825</b>	17.8	
29' 3	8' 5	89.2%	152,174	3,623	576,041	576.04	<b>581.10</b>	122.03	25.08	7.92	<b>4,602.3</b>	<b>70,912</b>	17.8	
29' 4	8' 4	89.3%	152,361	3,628	576,748	576.75	<b>581.82</b>	122.03	25.09	7.95	<b>4,625.5</b>	<b>70,999</b>	17.8	
29' 5	8' 3	89.4%	152,547	3,632	577,454	577.45	<b>582.53</b>	122.03	25.10	7.97	<b>4,642.8</b>	<b>71,086</b>	17.8	
29' 6	8' 2	89.5%	152,734	3,637	578,161	578.16	<b>583.24</b>	122.03	25.12	8.00	<b>4,665.9</b>	<b>71,173</b>	17.8	
29' 7	8' 1	89.6%	152,921	3,641	578,868	578.87	<b>583.96</b>	122.03	25.13	8.03	<b>4,689.2</b>	<b>71,261</b>	17.8	
29' 8	8' 0	89.7%	153,108	3,645	579,575	579.57	<b>584.67</b>	122.03	25.14	8.05	<b>4,706.6</b>	<b>71,347</b>	17.8	
29' 9	7' 11	89.8%	153,294	3,650	580,282	580.28	<b>585.38</b>	122.03	25.16	8.08	<b>4,729.9</b>	<b>71,434</b>	17.8	
29' 10	7' 10	89.9%	153,481	3,654	580,988	580.99	<b>586.09</b>	122.03	25.17	8.11	<b>4,753.2</b>	<b>71,521</b>	17.8	
29' 11	7' 9	90.0%	153,668	3,659	581,695	581.70	<b>586.81</b>	122.03	25.19	8.13	<b>4,770.8</b>	<b>71,608</b>	17.8	
30' 0	7' 8	90.1%	153,854	3,663	582,402	582.40	<b>587.52</b>	122.03	25.20	8.16	<b>4,794.2</b>	<b>71,695</b>	17.8	
30' 1	7' 7	90.2%	154,041	3,668	583,109	583.11	<b>588.23</b>	122.03	25.21	8.19	<b>4,817.6</b>	<b>71,782</b>	17.8	
30' 2	7' 6	90.4%	154,228	3,672	583,816	583.82	<b>588.95</b>	122.03	25.23	8.21	<b>4,835.3</b>	<b>71,870</b>	17.8	
30' 3	7' 5	90.5%	154,415	3,677	584,523	584.52	<b>589.66</b>	122.03	25.24	8.24	<b>4,858.8</b>	<b>71,956</b>	17.8	

Tank		Ballast #2 STBD												
Specific Gravity		1.025												
Trim		0												
Capacity		170,687 Gallons												
Label(s)		Ball#2.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
30' 4	7' 4	90.6%	154,601	3,681	585,230	585.23	590.37	122.03	25.25	8.27	4,882.4	72,043	17.8	
30' 5	7' 3	90.7%	154,788	3,685	585,936	585.94	591.09	122.03	25.27	8.29	4,900.1	72,131	17.8	
30' 6	7' 2	90.8%	154,975	3,690	586,643	586.64	591.80	122.03	25.28	8.32	4,923.8	72,217	17.8	
30' 7	7' 1	90.9%	155,161	3,694	587,350	587.35	592.51	122.03	25.29	8.35	4,947.5	72,304	17.8	
30' 8	7' 0	91.0%	155,348	3,699	588,057	588.06	593.23	122.03	25.31	8.37	4,965.3	72,392	17.8	
30' 9	6' 11	91.1%	155,535	3,703	588,764	588.76	593.94	122.03	25.32	8.40	4,989.1	72,478	17.8	
30' 10	6' 10	91.2%	155,722	3,708	589,470	589.47	594.65	122.03	25.33	8.43	5,012.9	72,565	17.8	
30' 11	6' 9	91.3%	155,908	3,712	590,177	590.18	595.36	122.03	25.35	8.46	5,036.7	72,652	17.8	
31' 0	6' 8	91.5%	156,095	3,717	590,884	590.88	596.08	122.03	25.36	8.48	5,054.8	72,740	17.8	
31' 1	6' 7	91.6%	156,282	3,721	591,591	591.59	596.79	122.03	25.37	8.51	5,078.7	72,826	17.8	
31' 2	6' 6	91.7%	156,469	3,725	592,298	592.30	597.50	122.03	25.39	8.54	5,102.7	72,913	17.8	
31' 3	6' 5	91.8%	156,655	3,730	593,004	593.0	598.22	122.03	25.40	8.56	5,120.8	73,001	17.8	
31' 4	6' 4	91.9%	156,842	3,734	593,712	593.71	598.93	122.03	25.41	8.59	5,144.8	73,087	17.8	
31' 5	6' 3	92.0%	157,029	3,739	594,418	594.42	599.64	122.03	25.43	8.62	5,168.9	73,174	17.8	
31' 6	6' 2	92.1%	157,215	3,743	595,125	595.13	600.36	122.03	25.44	8.65	5,193.1	73,262	17.8	
31' 7	6' 1	92.2%	157,402	3,748	595,832	595.83	601.07	122.03	25.45	8.67	5,211.3	73,349	17.8	
31' 8	6' 0	92.3%	157,589	3,752	596,539	596.54	601.78	122.03	25.47	8.70	5,235.5	73,435	17.8	
31' 9	5' 11	92.4%	157,776	3,757	597,246	597.25	602.49	122.03	25.48	8.73	5,259.7	73,522	17.8	
31' 10	5' 10	92.5%	157,962	3,761	597,952	597.95	603.21	122.03	25.49	8.75	5,278.1	73,610	17.8	
31' 11	5' 9	92.7%	158,149	3,765	598,659	598.66	603.92	122.03	25.51	8.78	5,302.4	73,696	17.8	
32' 0	5' 8	92.8%	158,336	3,770	599,366	599.37	604.63	122.03	25.52	8.81	5,326.8	73,783	17.8	
32' 1	5' 7	92.9%	158,523	3,774	600,073	600.07	605.35	122.03	25.53	8.84	5,351.3	73,871	17.8	
32' 2	5' 6	93.0%	158,709	3,779	600,780	600.78	606.06	122.03	25.54	8.86	5,369.7	73,958	17.8	
32' 3	5' 5	93.1%	158,896	3,783	601,487	601.49	606.77	122.03	25.56	8.89	5,394.2	74,044	17.8	
32' 4	5' 4	93.2%	159,083	3,788	602,193	602.19	607.49	122.03	25.57	8.92	5,418.8	74,132	17.8	
32' 5	5' 3	93.3%	159,269	3,792	602,900	602.90	608.20	122.03	25.58	8.95	5,443.4	74,219	17.8	
32' 6	5' 2	93.4%	159,456	3,797	603,607	603.61	608.91	122.03	25.59	8.97	5,461.9	74,305	17.8	
32' 7	5' 1	93.5%	159,643	3,801	604,314	604.31	609.63	122.03	25.61	9.00	5,486.7	74,393	17.8	
32' 8	5' 0	93.6%	159,830	3,805	605,021	605.02	610.34	122.03	25.62	9.03	5,511.4	74,480	17.8	
32' 9	4' 11	93.7%	160,016	3,810	605,728	605.73	611.05	122.03	25.63	9.06	5,536.1	74,566	17.8	
32' 10	4' 10	93.9%	160,203	3,814	606,434	606.43	611.76	122.03	25.65	9.09	5,560.9	74,653	17.8	
32' 11	4' 9	94.0%	160,390	3,819	607,141	607.14	612.48	122.03	25.66	9.11	5,579.7	74,741	17.8	
33' 0	4' 8	94.1%	160,576	3,823	607,848	607.85	613.19	122.03	25.67	9.14	5,604.6	74,828	17.8	



Tank		Ballast #2 STBD												
Specific Gravity		1.025												
Trim		0												
Capacity		170,687 Gallons												
Label(s)		Ball#2.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
33' 1	4' 7	94.2%	160,763	3,828	608,555	608.55	613.90	122.03	25.68	9.17	5,629.5	74,914	17.8	
33' 2	4' 6	94.3%	160,950	3,832	609,262	609.26	614.62	122.03	25.70	9.20	5,654.5	75,002	17.8	
33' 3	4' 5	94.4%	161,137	3,837	609,968	609.97	615.33	122.03	25.71	9.22	5,673.3	75,089	17.8	
33' 4	4' 4	94.5%	161,323	3,841	610,675	610.68	616.04	122.03	25.72	9.25	5,698.4	75,175	17.8	
33' 5	4' 3	94.6%	161,510	3,845	611,382	611.38	616.76	122.03	25.73	9.28	5,723.5	75,263	17.8	
33' 6	4' 2	94.7%	161,697	3,850	612,089	612.09	617.47	122.03	25.74	9.31	5,748.6	75,350	17.8	
33' 7	4' 1	94.8%	161,884	3,854	612,796	612.80	618.18	122.03	25.76	9.34	5,773.8	75,437	17.8	
33' 8	4' 0	95.0%	162,070	3,859	613,502	613.50	618.89	122.03	25.77	9.36	5,792.8	75,523	17.8	
33' 9	3' 11	95.1%	162,257	3,863	614,209	614.21	619.61	122.03	25.78	9.39	5,818.1	75,611	17.8	
33' 10	3' 10	95.2%	162,444	3,868	614,916	614.92	620.32	122.03	25.79	9.42	5,843.4	75,698	17.8	
33' 11	3' 9	95.3%	162,630	3,872	615,623	615.62	621.03	122.03	25.81	9.45	5,868.7	75,784	17.8	
34' 0	3' 8	95.4%	162,817	3,877	616,330	616.33	621.75	122.03	25.82	9.48	5,894.2	75,872	17.8	
34' 1	3' 7	95.5%	163,004	3,881	617,037	617.04	622.46	122.03	25.83	9.51	5,919.6	75,959	17.8	
34' 2	3' 6	95.6%	163,191	3,885	617,743	617.74	623.17	122.03	25.84	9.53	5,938.8	76,045	17.8	
34' 3	3' 5	95.7%	163,377	3,890	618,450	618.45	623.89	122.03	25.85	9.56	5,964.4	76,133	17.8	
34' 4	3' 4	95.8%	163,564	3,894	619,157	619.16	624.60	122.03	25.87	9.59	5,989.9	76,220	17.8	
34' 5	3' 3	95.9%	163,751	3,899	619,864	619.86	625.31	122.03	25.88	9.62	6,015.5	76,307	17.8	
34' 6	3' 2	96.0%	163,937	3,903	620,571	620.57	626.02	122.03	25.89	9.65	6,041.1	76,393	17.8	
34' 7	3' 1	96.2%	164,124	3,908	621,277	621.28	626.74	122.03	25.90	9.68	6,066.8	76,481	17.8	
34' 8	3' 0	96.3%	164,311	3,912	621,984	621.98	627.45	122.03	25.92	9.70	6,086.3	76,568	17.8	
34' 9	2' 11	96.4%	164,498	3,917	622,691	622.69	628.16	122.03	25.93	9.73	6,112.0	76,654	17.8	
34' 10	2' 10	96.5%	164,684	3,921	623,398	623.40	628.88	122.03	25.94	9.76	6,137.9	76,742	17.8	
34' 11	2' 9	96.6%	164,871	3,926	624,105	624.10	629.59	122.03	25.95	9.79	6,163.7	76,829	17.8	
35' 0	2' 8	96.7%	165,058	3,930	624,811	624.81	630.30	122.03	25.96	9.82	6,189.5	76,916	17.8	
35' 1	2' 7	96.8%	165,245	3,934	625,518	625.52	631.02	122.03	25.97	9.85	6,215.5	77,003	17.8	
35' 2	2' 6	96.9%	165,431	3,939	626,225	626.23	631.73	122.03	25.99	9.88	6,241.5	77,090	17.8	
35' 3	2' 5	97.0%	165,618	3,943	626,932	626.93	632.44	122.03	26.00	9.90	6,261.2	77,177	17.8	
35' 4	2' 4	97.1%	165,805	3,948	627,639	627.64	633.16	122.03	26.01	9.93	6,287.3	77,265	17.8	
35' 5	2' 3	97.2%	165,991	3,952	628,346	628.35	633.87	122.03	26.02	9.96	6,313.3	77,351	17.8	
35' 6	2' 2	97.4%	166,178	3,957	629,053	629.05	634.58	122.03	26.03	9.99	6,339.5	77,438	17.8	
35' 7	2' 1	97.5%	166,365	3,961	629,759	629.76	635.29	122.03	26.05	10.02	6,365.6	77,524	17.8	
35' 8	2' 0	97.6%	166,552	3,966	630,466	630.47	636.01	122.03	26.06	10.05	6,391.9	77,612	17.8	
35' 9	1' 11	97.7%	166,738	3,970	631,173	631.17	636.72	122.03	26.07	10.08	6,418.1	77,699	17.8	

Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
35' 10	1' 10	97.8%	166,925	3,974	631,880	631.88	<b>637.43</b>	122.03	26.08	10.11	<b>6,444.4</b>	<b>77,786</b>	17.8
35' 11	1' 9	97.9%	167,112	3,979	632,587	632.59	<b>638.15</b>	122.03	26.09	10.13	<b>6,464.5</b>	<b>77,873</b>	17.8
36' 0	1' 8	98.0%	167,298	3,983	633,293	633.29	<b>638.86</b>	122.03	26.10	10.16	<b>6,490.8</b>	<b>77,960</b>	17.8
36' 1	1' 7	98.1%	167,485	3,988	634,000	634.0	<b>639.57</b>	122.03	26.11	10.19	<b>6,517.2</b>	<b>78,047</b>	17.8
36' 2	1' 6	98.2%	167,672	3,992	634,707	634.71	<b>640.29</b>	122.03	26.13	10.22	<b>6,543.8</b>	<b>78,135</b>	17.8
36' 3	1' 5	98.3%	167,859	3,997	635,414	635.41	<b>641.0</b>	122.03	26.14	10.25	<b>6,570.3</b>	<b>78,221</b>	17.8
36' 4	1' 4	98.5%	168,045	4,001	636,121	636.12	<b>641.71</b>	122.03	26.15	10.28	<b>6,596.8</b>	<b>78,308</b>	17.8
36' 5	1' 3	98.6%	168,232	4,006	636,827	636.83	<b>642.42</b>	122.03	26.16	10.31	<b>6,623.4</b>	<b>78,395</b>	17.8
36' 6	1' 2	98.7%	168,419	4,010	637,534	637.53	<b>643.14</b>	122.03	26.17	10.34	<b>6,650.1</b>	<b>78,482</b>	17.8
36' 7	1' 1	98.8%	168,605	4,014	638,240	638.24	<b>643.85</b>	122.03	26.18	10.37	<b>6,676.7</b>	<b>78,569</b>	17.5
36' 8	1' 0	98.9%	168,791	4,019	638,942	638.94	<b>644.56</b>	122.03	26.19	10.40	<b>6,703.4</b>	<b>78,656</b>	17.3
36' 9	0' 11	99.0%	168,975	4,023	639,641	639.64	<b>645.26</b>	122.03	26.21	10.42	<b>6,723.6</b>	<b>78,741</b>	17.1
36' 10	0' 10	99.1%	169,159	4,028	640,338	640.34	<b>645.97</b>	122.03	26.22	10.45	<b>6,750.4</b>	<b>78,828</b>	16.9
36' 11	0' 9	99.2%	169,343	4,032	641,031	641.03	<b>646.67</b>	122.03	26.23	10.48	<b>6,777.1</b>	<b>78,913</b>	16.7
37' 0	0' 8	99.3%	169,525	4,036	641,722	641.72	<b>647.36</b>	122.03	26.24	10.51	<b>6,803.8</b>	<b>78,997</b>	16.4
37' 1	0' 7	99.4%	169,706	4,041	642,405	642.41	<b>648.05</b>	122.03	26.25	10.54	<b>6,830.4</b>	<b>79,082</b>	15.7
37' 2	0' 6	99.5%	169,883	4,045	643,077	643.08	<b>648.73</b>	122.03	26.26	10.57	<b>6,857.1</b>	<b>79,165</b>	14.9
37' 3	0' 5	99.6%	170,057	4,049	643,737	643.74	<b>649.40</b>	122.03	26.27	10.59	<b>6,877.1</b>	<b>79,246</b>	14.1
37' 4	0' 4	99.7%	170,229	4,053	644,386	644.39	<b>650.05</b>	122.03	26.28	10.62	<b>6,903.5</b>	<b>79,326</b>	13.4
37' 5	0' 3	99.8%	170,395	4,057	645,016	645.02	<b>650.68</b>	122.03	26.29	10.65	<b>6,929.7</b>	<b>79,402</b>	11.5
37' 6	0' 2	99.9%	170,551	4,061	645,605	645.61	<b>651.28</b>	122.03	26.30	10.67	<b>6,949.2</b>	<b>79,476</b>	9.5
37' 7	0' 1	100.0%	170,687	4,064	646,119	646.12	<b>651.80</b>	122.03	26.31	10.69	<b>6,967.7</b>	<b>79,539</b>	2.3

Reading		Load	Volume				Weight (Lt)	Center of Gravity (ft)			Moments(Lt-ft)		FSM (Lt-ft)
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)		LCG	TCG	VCG	V Mom	L Mom	
0' 1	37' 7	0	2068	49	7827	8	8	183	18	0	1	1448	8882
0' 2	37' 6	0	3559	85	13473	13	14	183	18	0	2	2491	8987
0' 3	37' 5	0	5057	120	19142	19	19	183	18	0	4	3540	9093
0' 4	37' 4	0	6560	156	24832	25	25	183	18	0	6	4592	9186
0' 5	37' 3	0	8067	192	30535	31	31	183	18	0	9	5647	9234
0' 6	37' 2	0	9576	228	36249	36	37	183	18	0	12	6704	9282
0' 7	37' 1	0	11088	264	41972	42	42	183	18	0	16	7762	9331
0' 8	37' 0	0	12602	300	47706	48	48	183	18	0	20	8822	9379
0' 9	36' 11	0	14120	336	53449	53	54	183	18	0	24	9885	9424
0' 10	36' 10	0	15639	372	59198	59	60	183	18	1	30	10948	9446
0' 11	36' 9	0	17159	409	64952	65	66	183	18	1	35	12012	9468
1' 0	36' 8	0	18680	445	70711	71	71	183	19	1	41	13077	9490
1' 1	36' 7	0	20202	481	76474	76	77	183	19	1	48	14144	9508
1' 2	36' 6	0	21725	517	82240	82	83	183	19	1	55	15209	9523
1' 3	36' 5	0	23249	554	88009	88	89	183	19	1	63	16276	9535
1' 4	36' 4	0	24774	590	93779	94	95	183	19	1	71	17343	9542
1' 5	36' 3	0	26299	626	99551	100	100	183	19	1	79	18412	9549
1' 6	36' 2	0	27824	662	105324	105	106	183	19	1	88	19479	9553
1' 7	36' 1	0	29349	699	111098	111	112	183	19	1	98	20546	9553
1' 8	36' 0	0	30874	735	116871	117	118	183	19	1	107	21615	9553
1' 9	35' 11	0	32399	771	122645	123	124	183	19	1	119	22682	9553
1' 10	35' 10	0	33925	808	128418	128	130	183	19	1	130	23750	9553
1' 11	35' 9	0	35450	844	134192	134	135	183	19	1	141	24817	9553
2' 0	35' 8	0	36975	880	139965	140	141	183	19	1	152	25886	9553
2' 1	35' 7	0	38500	917	145739	146	147	183	19	1	165	26953	9553
2' 2	35' 6	0	40025	953	151512	152	153	183	19	1	179	28020	9553
2' 3	35' 5	0	41551	989	157286	157	159	183	19	1	192	29089	9553
2' 4	35' 4	0	43076	1026	163059	163	164	183	19	1	206	30156	9553
2' 5	35' 3	0	44601	1062	168833	169	170	183	19	1	220	31225	9553
2' 6	35' 2	0	46126	1098	174606	175	176	183	19	1	234	32292	9553
2' 7	35' 1	0	47651	1135	180380	180	182	183	19	1	249	33361	9553
2' 8	35' 0	0	49176	1171	186153	186	188	183	19	1	267	34428	9553
2' 9	34' 11	0	50702	1207	191927	192	194	183	19	1	283	35495	9553

Tank		Ballast #3 PORT											
Specific Gravity		1.025											
Trim		0											
Capacity		170,860 Gallons											
Label(s)		Ball#3.p											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
2' 10	34' 10	0	52227	1243	197700	198	199	183	19	2	299	36563	9553
2' 11	34' 9	0	53752	1280	203474	203	205	183	19	2	316	37630	9553
3' 0	34' 8	0	55277	1316	209247	209	211	183	19	2	334	38699	9553
3' 1	34' 7	33.2%	56,802	1,352	215,021	215.02	216.91	183.33	18.67	1.62	351.4	39,766	9,552.7
3' 2	34' 6	34.1%	58,328	1,389	220,794	220.79	222.73	183.33	18.67	1.67	372.0	40,833	9,552.7
3' 3	34' 5	35.0%	59,853	1,425	226,568	226.57	228.56	183.33	18.67	1.71	390.8	41,902	9,552.7
3' 4	34' 4	35.9%	61,378	1,461	232,341	232.34	234.38	183.33	18.67	1.75	410.2	42,969	9,552.7
3' 5	34' 3	36.8%	62,903	1,498	238,115	238.11	240.21	183.33	18.68	1.79	430.0	44,038	9,552.7
3' 6	34' 2	37.7%	64,428	1,534	243,888	243.89	246.03	183.33	18.68	1.83	450.2	45,105	9,552.7
3' 7	34' 1	38.6%	65,954	1,570	249,662	249.66	251.86	183.33	18.68	1.87	471.0	46,173	9,552.7
3' 8	34' 0	39.5%	67,479	1,607	255,435	255.44	257.68	183.33	18.68	1.92	494.7	47,240	9,552.7
3' 9	33' 11	40.4%	69,004	1,643	261,209	261.21	263.50	183.33	18.68	1.96	516.5	48,307	9,552.7
3' 10	33' 10	41.3%	70,529	1,679	266,982	266.98	269.33	183.33	18.68	2.00	538.7	49,376	9,552.7
3' 11	33' 9	42.2%	72,054	1,716	272,755	272.76	275.15	183.33	18.68	2.04	561.3	50,443	9,552.7
4' 0	33' 8	43.1%	73,580	1,752	278,529	278.53	280.98	183.33	18.69	2.08	584.4	51,512	9,552.7
4' 1	33' 7	44.0%	75,105	1,788	284,302	284.30	286.80	183.33	18.69	2.12	608.0	52,579	9,552.7
4' 2	33' 6	44.8%	76,630	1,825	290,076	290.08	292.63	183.33	18.69	2.17	635.0	53,648	9,552.7
4' 3	33' 5	45.7%	78,155	1,861	295,849	295.85	298.45	183.33	18.69	2.21	659.6	54,715	9,552.7
4' 4	33' 4	46.6%	79,680	1,897	301,623	301.62	304.27	183.33	18.69	2.25	684.6	55,782	9,552.7
4' 5	33' 3	47.5%	81,206	1,933	307,396	307.40	310.10	183.33	18.69	2.29	710.1	56,851	9,552.7
4' 6	33' 2	48.4%	82,731	1,970	313,170	313.17	315.92	183.33	18.69	2.33	736.1	57,918	9,552.7
4' 7	33' 1	49.3%	84,256	2,006	318,943	318.94	321.75	183.33	18.69	2.37	762.5	58,986	9,552.7
4' 8	33' 0	50.2%	85,781	2,042	324,717	324.72	327.57	183.33	18.70	2.42	792.7	60,053	9,552.7
4' 9	32' 11	51.1%	87,306	2,079	330,490	330.49	333.40	183.33	18.70	2.46	820.2	61,122	9,552.7
4' 10	32' 10	52.0%	88,832	2,115	336,264	336.26	339.22	183.33	18.70	2.50	848.1	62,189	9,552.7
4' 11	32' 9	52.9%	90,357	2,151	342,037	342.04	345.04	183.33	18.70	2.54	876.4	63,256	9,552.7
5' 0	32' 8	53.8%	91,882	2,188	347,811	347.81	350.87	183.33	18.70	2.58	905.2	64,325	9,552.7
5' 1	32' 7	54.7%	93,407	2,224	353,584	353.58	356.69	183.33	18.70	2.62	934.5	65,392	9,552.7
5' 2	32' 6	55.5%	94,912	2,260	359,281	359.28	362.44	183.33	18.70	2.67	967.7	66,446	6,810.4
5' 3	32' 5	56.3%	96,175	2,290	364,063	364.06	367.26	183.33	18.75	2.70	991.6	67,330	4,244.9
5' 4	32' 4	56.9%	97,240	2,315	368,093	368.09	371.33	183.33	18.82	2.73	1,013.7	68,076	2,421.4
5' 5	32' 3	57.4%	98,106	2,336	371,371	371.37	374.63	183.33	18.89	2.75	1,030.2	68,681	1,213.0
5' 6	32' 2	57.8%	98,773	2,352	373,897	373.90	377.18	183.33	18.97	2.77	1,044.8	69,148	493.3

Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
5' 7	32' 1	58.1%	99,242	2,363	375,671	375.67	<b>378.97</b>	183.33	19.03	2.79	<b>1,057.3</b>	<b>69,477</b>	135.7
5' 8	32' 0	58.2%	99,512	2,369	376,695	376.69	<b>380.01</b>	183.33	19.08	2.79	<b>1,060.2</b>	<b>69,667</b>	17.5
5' 9	31' 11	58.4%	99,699	2,374	377,401	377.40	<b>380.72</b>	183.33	19.11	2.80	<b>1,066.0</b>	<b>69,797</b>	17.5
5' 10	31' 10	58.5%	99,886	2,378	378,108	378.11	<b>381.43</b>	183.33	19.14	2.81	<b>1,071.8</b>	<b>69,928</b>	17.5
5' 11	31' 9	58.6%	100,072	2,383	378,815	378.81	<b>382.14</b>	183.33	19.17	2.81	<b>1,073.8</b>	<b>70,058</b>	17.5
6' 0	31' 8	58.7%	100,259	2,387	379,522	379.52	<b>382.86</b>	183.33	19.21	2.82	<b>1,079.7</b>	<b>70,190</b>	17.5
6' 1	31' 7	58.8%	100,446	2,392	380,229	380.23	<b>383.57</b>	183.33	19.24	2.82	<b>1,081.7</b>	<b>70,320</b>	17.5
6' 2	31' 6	58.9%	100,633	2,396	380,935	380.94	<b>384.28</b>	183.33	19.27	2.83	<b>1,087.5</b>	<b>70,450</b>	17.5
6' 3	31' 5	59.0%	100,819	2,400	381,642	381.64	<b>385.0</b>	183.33	19.30	2.84	<b>1,093.4</b>	<b>70,582</b>	17.5
6' 4	31' 4	59.1%	101,006	2,405	382,349	382.35	<b>385.71</b>	183.33	19.34	2.84	<b>1,095.4</b>	<b>70,712</b>	17.5
6' 5	31' 3	59.2%	101,193	2,409	383,056	383.06	<b>386.42</b>	183.33	19.37	2.85	<b>1,101.3</b>	<b>70,842</b>	17.5
6' 6	31' 2	59.3%	101,379	2,414	383,763	383.76	<b>387.14</b>	183.33	19.40	2.86	<b>1,107.2</b>	<b>70,974</b>	17.5
6' 7	31' 1	59.4%	101,566	2,418	384,470	384.47	<b>387.85</b>	183.33	19.43	2.86	<b>1,109.3</b>	<b>71,105</b>	17.5
6' 8	31' 0	59.6%	101,753	2,423	385,176	385.18	<b>388.56</b>	183.33	19.46	2.87	<b>1,115.2</b>	<b>71,235</b>	17.5
6' 9	30' 11	59.7%	101,940	2,427	385,883	385.88	<b>389.27</b>	183.33	19.49	2.88	<b>1,121.1</b>	<b>71,365</b>	17.5
6' 10	30' 10	59.8%	102,126	2,432	386,590	386.59	<b>389.99</b>	183.33	19.52	2.89	<b>1,127.1</b>	<b>71,497</b>	17.5
6' 11	30' 9	59.9%	102,313	2,436	387,296	387.30	<b>390.70</b>	183.33	19.55	2.89	<b>1,129.1</b>	<b>71,627</b>	17.5
7' 0	30' 8	60.0%	102,500	2,440	388,004	388.0	<b>391.41</b>	183.33	19.59	2.90	<b>1,135.1</b>	<b>71,757</b>	17.5
7' 1	30' 7	60.1%	102,686	2,445	388,710	388.71	<b>392.13</b>	183.33	19.62	2.91	<b>1,141.1</b>	<b>71,889</b>	17.5
7' 2	30' 6	60.2%	102,873	2,449	389,417	389.42	<b>392.84</b>	183.33	19.65	2.92	<b>1,147.1</b>	<b>72,019</b>	17.5
7' 3	30' 5	60.3%	103,060	2,454	390,124	390.12	<b>393.55</b>	183.33	19.68	2.92	<b>1,149.2</b>	<b>72,150</b>	17.5
7' 4	30' 4	60.4%	103,247	2,458	390,831	390.83	<b>394.27</b>	183.33	19.71	2.93	<b>1,155.2</b>	<b>72,282</b>	17.5
7' 5	30' 3	60.5%	103,433	2,463	391,538	391.54	<b>394.98</b>	183.33	19.74	2.94	<b>1,161.2</b>	<b>72,412</b>	17.5
7' 6	30' 2	60.6%	103,620	2,467	392,244	392.24	<b>395.69</b>	183.33	19.77	2.95	<b>1,167.3</b>	<b>72,542</b>	17.5
7' 7	30' 1	60.8%	103,807	2,472	392,951	392.95	<b>396.40</b>	183.33	19.80	2.96	<b>1,173.3</b>	<b>72,672</b>	17.5
7' 8	30' 0	60.9%	103,993	2,476	393,658	393.66	<b>397.12</b>	183.33	19.83	2.97	<b>1,179.4</b>	<b>72,804</b>	17.5
7' 9	29' 11	61.0%	104,180	2,480	394,365	394.36	<b>397.83</b>	183.33	19.86	2.97	<b>1,181.6</b>	<b>72,934</b>	17.5
7' 10	29' 10	61.1%	104,367	2,485	395,072	395.07	<b>398.54</b>	183.33	19.89	2.98	<b>1,187.6</b>	<b>73,064</b>	17.5
7' 11	29' 9	61.2%	104,554	2,489	395,778	395.78	<b>399.26</b>	183.33	19.92	2.99	<b>1,193.8</b>	<b>73,196</b>	17.5
8' 0	29' 8	61.3%	104,740	2,494	396,485	396.49	<b>399.97</b>	183.33	19.95	3.00	<b>1,199.9</b>	<b>73,327</b>	17.5
8' 1	29' 7	61.4%	104,927	2,498	397,192	397.19	<b>400.68</b>	183.33	19.98	3.01	<b>1,206.0</b>	<b>73,457</b>	17.5
8' 2	29' 6	61.5%	105,114	2,503	397,899	397.90	<b>401.40</b>	183.33	20.01	3.02	<b>1,212.2</b>	<b>73,589</b>	17.5
8' 3	29' 5	61.6%	105,301	2,507	398,606	398.61	<b>402.11</b>	183.33	20.04	3.03	<b>1,218.4</b>	<b>73,719</b>	17.5

Tank		Ballast #3 PORT												
Specific Gravity		1.025												
Trim		0												
Capacity		170,860 Gallons												
Label(s)		Ball#3.p												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
8' 4	29' 4	61.7%	105,487	2,512	399,312	399.31	<b>402.82</b>	183.33	20.07	3.04	<b>1,224.6</b>	<b>73,849</b>	17.5	
8' 5	29' 3	61.8%	105,674	2,516	400,019	400.02	<b>403.53</b>	183.33	20.09	3.05	<b>1,230.8</b>	<b>73,979</b>	17.5	
8' 6	29' 2	62.0%	105,861	2,520	400,726	400.73	<b>404.25</b>	183.33	20.12	3.06	<b>1,237.0</b>	<b>74,111</b>	17.5	
8' 7	29' 1	62.1%	106,047	2,525	401,433	401.43	<b>404.96</b>	183.33	20.15	3.07	<b>1,243.2</b>	<b>74,241</b>	17.5	
8' 8	29' 0	62.2%	106,234	2,529	402,139	402.14	<b>405.67</b>	183.33	20.18	3.08	<b>1,249.5</b>	<b>74,371</b>	17.5	
8' 9	28' 11	62.3%	106,421	2,534	402,847	402.85	<b>406.39</b>	183.33	20.21	3.09	<b>1,255.7</b>	<b>74,503</b>	17.5	
8' 10	28' 10	62.4%	106,608	2,538	403,553	403.55	<b>407.10</b>	183.33	20.24	3.10	<b>1,262.0</b>	<b>74,634</b>	17.5	
8' 11	28' 9	62.5%	106,794	2,543	404,260	404.26	<b>407.81</b>	183.33	20.27	3.11	<b>1,268.3</b>	<b>74,764</b>	17.5	
9' 0	28' 8	62.6%	106,981	2,547	404,967	404.97	<b>408.53</b>	183.33	20.30	3.12	<b>1,274.6</b>	<b>74,896</b>	17.5	
9' 1	28' 7	62.7%	107,168	2,552	405,673	405.67	<b>409.24</b>	183.33	20.32	3.13	<b>1,280.9</b>	<b>75,026</b>	17.5	
9' 2	28' 6	62.8%	107,354	2,556	406,380	406.38	<b>409.95</b>	183.33	20.35	3.14	<b>1,287.2</b>	<b>75,156</b>	17.5	
9' 3	28' 5	62.9%	107,541	2,561	407,087	407.09	<b>410.67</b>	183.33	20.38	3.15	<b>1,293.6</b>	<b>75,288</b>	17.5	
9' 4	28' 4	63.1%	107,728	2,565	407,794	407.79	<b>411.38</b>	183.33	20.41	3.16	<b>1,300.0</b>	<b>75,418</b>	17.5	
9' 5	28' 3	63.2%	107,915	2,569	408,501	408.50	<b>412.09</b>	183.33	20.44	3.17	<b>1,306.3</b>	<b>75,548</b>	17.5	
9' 6	28' 2	63.3%	108,101	2,574	409,208	409.21	<b>412.80</b>	183.33	20.46	3.18	<b>1,312.7</b>	<b>75,679</b>	17.5	
9' 7	28' 1	63.4%	108,288	2,578	409,914	409.91	<b>413.52</b>	183.33	20.49	3.19	<b>1,319.1</b>	<b>75,811</b>	17.5	
9' 8	28' 0	63.5%	108,475	2,583	410,621	410.62	<b>414.23</b>	183.33	20.52	3.20	<b>1,325.5</b>	<b>75,941</b>	17.5	
9' 9	27' 11	63.6%	108,661	2,587	411,328	411.33	<b>414.94</b>	183.33	20.55	3.22	<b>1,336.1</b>	<b>76,071</b>	17.5	
9' 10	27' 10	63.7%	108,848	2,592	412,035	412.03	<b>415.66</b>	183.33	20.57	3.23	<b>1,342.6</b>	<b>76,203</b>	17.5	
9' 11	27' 9	63.8%	109,035	2,596	412,742	412.74	<b>416.37</b>	183.33	20.60	3.24	<b>1,349.0</b>	<b>76,333</b>	17.5	
10' 0	27' 8	63.9%	109,222	2,601	413,448	413.45	<b>417.08</b>	183.33	20.63	3.25	<b>1,355.5</b>	<b>76,463</b>	17.5	
10' 1	27' 7	64.0%	109,408	2,605	414,155	414.16	<b>417.80</b>	183.33	20.66	3.26	<b>1,362.0</b>	<b>76,595</b>	17.5	
10' 2	27' 6	64.1%	109,595	2,609	414,862	414.86	<b>418.51</b>	183.33	20.68	3.27	<b>1,368.5</b>	<b>76,725</b>	17.5	
10' 3	27' 5	64.3%	109,782	2,614	415,569	415.57	<b>419.22</b>	183.33	20.71	3.29	<b>1,379.2</b>	<b>76,856</b>	17.5	
10' 4	27' 4	64.4%	109,968	2,618	416,276	416.28	<b>419.93</b>	183.33	20.74	3.30	<b>1,385.8</b>	<b>76,986</b>	17.5	
10' 5	27' 3	64.5%	110,155	2,623	416,982	416.98	<b>420.65</b>	183.33	20.76	3.31	<b>1,392.4</b>	<b>77,118</b>	17.5	
10' 6	27' 2	64.6%	110,342	2,627	417,689	417.69	<b>421.36</b>	183.33	20.79	3.32	<b>1,398.9</b>	<b>77,248</b>	17.5	
10' 7	27' 1	64.7%	110,529	2,632	418,396	418.40	<b>422.07</b>	183.33	20.82	3.34	<b>1,409.7</b>	<b>77,378</b>	17.5	
10' 8	27' 0	64.8%	110,715	2,636	419,103	419.10	<b>422.79</b>	183.33	20.84	3.35	<b>1,416.3</b>	<b>77,510</b>	17.5	
10' 9	26' 11	64.9%	110,902	2,641	419,810	419.81	<b>423.50</b>	183.33	20.87	3.36	<b>1,423.0</b>	<b>77,640</b>	17.5	
10' 10	26' 10	65.0%	111,089	2,645	420,516	420.52	<b>424.21</b>	183.33	20.90	3.37	<b>1,429.6</b>	<b>77,770</b>	17.5	
10' 11	26' 9	65.1%	111,275	2,649	421,223	421.22	<b>424.93</b>	183.33	20.92	3.39	<b>1,440.5</b>	<b>77,902</b>	17.5	
11' 0	26' 8	65.2%	111,462	2,654	421,930	421.93	<b>425.64</b>	183.33	20.95	3.40	<b>1,447.2</b>	<b>78,033</b>	17.5	

Tank		Ballast #3 PORT												
Specific Gravity		1.025												
Trim		0												
Capacity		170,860 Gallons												
Label(s)		Ball#3.p												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
11' 1	26' 7	65.3%	111,649	2,658	422,637	422.64	<b>426.35</b>	183.33	20.97	3.41	<b>1,453.9</b>	<b>78,163</b>	17.5	
11' 2	26' 6	65.5%	111,836	2,663	423,344	423.34	<b>427.06</b>	183.33	21.00	3.42	<b>1,460.5</b>	<b>78,293</b>	17.5	
11' 3	26' 5	65.6%	112,022	2,667	424,051	424.05	<b>427.78</b>	183.33	21.03	3.44	<b>1,471.6</b>	<b>78,425</b>	17.5	
11' 4	26' 4	65.7%	112,209	2,672	424,757	424.76	<b>428.49</b>	183.33	21.05	3.45	<b>1,478.3</b>	<b>78,555</b>	17.5	
11' 5	26' 3	65.8%	112,396	2,676	425,464	425.46	<b>429.20</b>	183.33	21.08	3.46	<b>1,485.0</b>	<b>78,685</b>	17.5	
11' 6	26' 2	65.9%	112,583	2,681	426,171	426.17	<b>429.92</b>	183.33	21.10	3.48	<b>1,496.1</b>	<b>78,817</b>	17.5	
11' 7	26' 1	66.0%	112,769	2,685	426,877	426.88	<b>430.63</b>	183.33	21.13	3.49	<b>1,502.9</b>	<b>78,947</b>	17.5	
11' 8	26' 0	66.1%	112,956	2,689	427,585	427.58	<b>431.34</b>	183.33	21.15	3.50	<b>1,509.7</b>	<b>79,078</b>	17.5	
11' 9	25' 11	66.2%	113,143	2,694	428,291	428.29	<b>432.06</b>	183.33	21.18	3.52	<b>1,520.9</b>	<b>79,210</b>	17.5	
11' 10	25' 10	66.3%	113,329	2,698	428,998	429.0	<b>432.77</b>	183.33	21.20	3.53	<b>1,527.7</b>	<b>79,340</b>	17.5	
11' 11	25' 9	66.4%	113,516	2,703	429,705	429.70	<b>433.48</b>	183.33	21.23	3.55	<b>1,538.9</b>	<b>79,470</b>	17.5	
12' 0	25' 8	66.5%	113,703	2,707	430,412	430.41	<b>434.19</b>	183.33	21.25	3.56	<b>1,545.7</b>	<b>79,600</b>	17.5	
12' 1	25' 7	66.7%	113,890	2,712	431,119	431.12	<b>434.91</b>	183.33	21.28	3.57	<b>1,552.6</b>	<b>79,732</b>	17.5	
12' 2	25' 6	66.8%	114,076	2,716	431,825	431.83	<b>435.62</b>	183.33	21.30	3.59	<b>1,563.9</b>	<b>79,862</b>	17.5	
12' 3	25' 5	66.9%	114,263	2,721	432,532	432.53	<b>436.33</b>	183.33	21.33	3.60	<b>1,570.8</b>	<b>79,992</b>	17.5	
12' 4	25' 4	67.0%	114,450	2,725	433,239	433.24	<b>437.05</b>	183.33	21.35	3.62	<b>1,582.1</b>	<b>80,124</b>	17.5	
12' 5	25' 3	67.1%	114,636	2,729	433,946	433.95	<b>437.76</b>	183.33	21.38	3.63	<b>1,589.1</b>	<b>80,255</b>	17.5	
12' 6	25' 2	67.2%	114,823	2,734	434,653	434.65	<b>438.47</b>	183.33	21.40	3.65	<b>1,600.4</b>	<b>80,385</b>	17.5	
12' 7	25' 1	67.3%	115,010	2,738	435,359	435.36	<b>439.19</b>	183.33	21.43	3.66	<b>1,607.4</b>	<b>80,517</b>	17.5	
12' 8	25' 0	67.4%	115,197	2,743	436,066	436.07	<b>439.90</b>	183.33	21.45	3.67	<b>1,614.4</b>	<b>80,647</b>	17.5	
12' 9	24' 11	67.5%	115,383	2,747	436,773	436.77	<b>440.61</b>	183.33	21.48	3.69	<b>1,625.9</b>	<b>80,777</b>	17.5	
12' 10	24' 10	67.6%	115,570	2,752	437,480	437.48	<b>441.32</b>	183.33	21.50	3.70	<b>1,632.9</b>	<b>80,907</b>	17.5	
12' 11	24' 9	67.7%	115,757	2,756	438,187	438.19	<b>442.04</b>	183.33	21.53	3.72	<b>1,644.4</b>	<b>81,039</b>	17.5	
13' 0	24' 8	67.9%	115,943	2,761	438,894	438.89	<b>442.75</b>	183.33	21.55	3.73	<b>1,651.5</b>	<b>81,169</b>	17.5	
13' 1	24' 7	68.0%	116,130	2,765	439,600	439.60	<b>443.46</b>	183.33	21.57	3.75	<b>1,663.0</b>	<b>81,300</b>	17.5	
13' 2	24' 6	68.1%	116,317	2,769	440,307	440.31	<b>444.18</b>	183.33	21.60	3.76	<b>1,670.1</b>	<b>81,432</b>	17.5	
13' 3	24' 5	68.2%	116,504	2,774	441,014	441.01	<b>444.89</b>	183.33	21.62	3.78	<b>1,681.7</b>	<b>81,562</b>	17.5	
13' 4	24' 4	68.3%	116,690	2,778	441,720	441.72	<b>445.60</b>	183.33	21.65	3.80	<b>1,693.3</b>	<b>81,692</b>	17.5	
13' 5	24' 3	68.4%	116,877	2,783	442,427	442.43	<b>446.32</b>	183.33	21.67	3.81	<b>1,700.5</b>	<b>81,824</b>	17.5	
13' 6	24' 2	68.5%	117,064	2,787	443,134	443.13	<b>447.03</b>	183.33	21.69	3.83	<b>1,712.1</b>	<b>81,954</b>	17.5	
13' 7	24' 1	68.6%	117,250	2,792	443,841	443.84	<b>447.74</b>	183.33	21.72	3.84	<b>1,719.3</b>	<b>82,084</b>	17.5	
13' 8	24' 0	68.7%	117,437	2,796	444,548	444.55	<b>448.45</b>	183.33	21.74	3.86	<b>1,731.0</b>	<b>82,214</b>	17.5	
13' 9	23' 11	68.8%	117,624	2,801	445,255	445.25	<b>449.17</b>	183.33	21.76	3.87	<b>1,738.3</b>	<b>82,346</b>	17.5	

Tank		Ballast #3 PORT												
Specific Gravity		1.025												
Trim		0												
Capacity		170,860 Gallons												
Label(s)		Ball#3.p												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
13' 10	23' 10	69.0%	117,811	2,805	445,961	445.96	<b>449.88</b>	183.33	21.79	3.89	<b>1,750.0</b>	<b>82,477</b>	17.5	
13' 11	23' 9	69.1%	117,997	2,809	446,668	446.67	<b>450.59</b>	183.33	21.81	3.91	<b>1,761.8</b>	<b>82,607</b>	17.5	
14' 0	23' 8	69.2%	118,184	2,814	447,375	447.38	<b>451.31</b>	183.33	21.83	3.92	<b>1,769.1</b>	<b>82,739</b>	17.5	
14' 1	23' 7	69.3%	118,371	2,818	448,082	448.08	<b>452.02</b>	183.33	21.86	3.94	<b>1,781.0</b>	<b>82,869</b>	17.5	
14' 2	23' 6	69.4%	118,557	2,823	448,789	448.79	<b>452.73</b>	183.33	21.88	3.95	<b>1,788.3</b>	<b>82,999</b>	17.5	
14' 3	23' 5	69.5%	118,744	2,827	449,495	449.50	<b>453.45</b>	183.33	21.90	3.97	<b>1,800.2</b>	<b>83,131</b>	17.5	
14' 4	23' 4	69.6%	118,931	2,832	450,202	450.20	<b>454.16</b>	183.33	21.93	3.99	<b>1,812.1</b>	<b>83,261</b>	17.5	
14' 5	23' 3	69.7%	119,118	2,836	450,909	450.91	<b>454.87</b>	183.33	21.95	4.00	<b>1,819.5</b>	<b>83,391</b>	17.5	
14' 6	23' 2	69.8%	119,304	2,841	451,616	451.62	<b>455.58</b>	183.33	21.97	4.02	<b>1,831.4</b>	<b>83,521</b>	17.5	
14' 7	23' 1	69.9%	119,491	2,845	452,323	452.32	<b>456.30</b>	183.33	21.99	4.04	<b>1,843.5</b>	<b>83,653</b>	17.5	
14' 8	23' 0	70.0%	119,678	2,849	453,029	453.03	<b>457.01</b>	183.33	22.02	4.05	<b>1,850.9</b>	<b>83,784</b>	17.5	
14' 9	22' 11	70.2%	119,864	2,854	453,736	453.74	<b>457.72</b>	183.33	22.04	4.07	<b>1,862.9</b>	<b>83,914</b>	17.5	
14' 10	22' 10	70.3%	120,051	2,858	454,443	454.44	<b>458.44</b>	183.33	22.06	4.09	<b>1,875.0</b>	<b>84,046</b>	17.5	
14' 11	22' 9	70.4%	120,238	2,863	455,150	455.15	<b>459.15</b>	183.33	22.08	4.10	<b>1,882.5</b>	<b>84,176</b>	17.5	
15' 0	22' 8	70.5%	120,425	2,867	455,857	455.86	<b>459.86</b>	183.33	22.11	4.12	<b>1,894.6</b>	<b>84,306</b>	17.5	
15' 1	22' 7	70.6%	120,611	2,872	456,563	456.56	<b>460.58</b>	183.33	22.13	4.14	<b>1,906.8</b>	<b>84,438</b>	17.5	
15' 2	22' 6	70.7%	120,798	2,876	457,270	457.27	<b>461.29</b>	183.33	22.15	4.15	<b>1,914.4</b>	<b>84,568</b>	17.5	
15' 3	22' 5	70.8%	120,985	2,881	457,977	457.98	<b>462.0</b>	183.33	22.17	4.17	<b>1,926.5</b>	<b>84,698</b>	17.5	
15' 4	22' 4	70.9%	121,172	2,885	458,684	458.68	<b>462.72</b>	183.33	22.20	4.19	<b>1,938.8</b>	<b>84,830</b>	17.5	
15' 5	22' 3	71.0%	121,358	2,889	459,391	459.39	<b>463.43</b>	183.33	22.22	4.21	<b>1,951.0</b>	<b>84,961</b>	17.5	
15' 6	22' 2	71.1%	121,545	2,894	460,097	460.10	<b>464.14</b>	183.33	22.24	4.22	<b>1,958.7</b>	<b>85,091</b>	17.5	
15' 7	22' 1	71.2%	121,732	2,898	460,804	460.80	<b>464.85</b>	183.33	22.26	4.24	<b>1,971.0</b>	<b>85,221</b>	17.5	
15' 8	22' 0	71.4%	121,918	2,903	461,511	461.51	<b>465.57</b>	183.33	22.28	4.26	<b>1,983.3</b>	<b>85,353</b>	17.5	
15' 9	21' 11	71.5%	122,105	2,907	462,218	462.22	<b>466.28</b>	183.33	22.30	4.28	<b>1,995.7</b>	<b>85,483</b>	17.5	
15' 10	21' 10	71.6%	122,292	2,912	462,925	462.92	<b>466.99</b>	183.33	22.33	4.29	<b>2,003.4</b>	<b>85,613</b>	17.5	
15' 11	21' 9	71.7%	122,479	2,916	463,632	463.63	<b>467.71</b>	183.33	22.35	4.31	<b>2,015.8</b>	<b>85,745</b>	17.5	
16' 0	21' 8	71.8%	122,665	2,921	464,338	464.34	<b>468.42</b>	183.33	22.37	4.33	<b>2,028.3</b>	<b>85,875</b>	17.5	
16' 1	21' 7	71.9%	122,852	2,925	465,045	465.05	<b>469.13</b>	183.33	22.39	4.35	<b>2,040.7</b>	<b>86,006</b>	17.5	
16' 2	21' 6	72.0%	123,039	2,929	465,752	465.75	<b>469.85</b>	183.33	22.41	4.37	<b>2,053.2</b>	<b>86,138</b>	17.5	
16' 3	21' 5	72.1%	123,225	2,934	466,459	466.46	<b>470.56</b>	183.33	22.43	4.38	<b>2,061.1</b>	<b>86,268</b>	17.5	
16' 4	21' 4	72.2%	123,412	2,938	467,166	467.17	<b>471.27</b>	183.33	22.46	4.40	<b>2,073.6</b>	<b>86,398</b>	17.5	
16' 5	21' 3	72.3%	123,599	2,943	467,872	467.87	<b>471.98</b>	183.33	22.48	4.42	<b>2,086.2</b>	<b>86,528</b>	17.5	
16' 6	21' 2	72.4%	123,786	2,947	468,579	468.58	<b>472.70</b>	183.33	22.50	4.44	<b>2,098.8</b>	<b>86,660</b>	17.5	



Tank		Ballast #3 PORT												
Specific Gravity		1.025												
Trim		0												
Capacity		170,860 Gallons												
Label(s)		Ball#3.p												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
16' 7	21' 1	72.6%	123,972	2,952	469,286	469.29	<b>473.41</b>	183.33	22.52	4.46	<b>2,111.4</b>	<b>86,790</b>	17.5	
16' 8	21' 0	72.7%	124,159	2,956	469,993	469.99	<b>474.12</b>	183.33	22.54	4.47	<b>2,119.3</b>	<b>86,920</b>	17.5	
16' 9	20' 11	72.8%	124,346	2,961	470,700	470.70	<b>474.84</b>	183.33	22.56	4.49	<b>2,132.0</b>	<b>87,052</b>	17.5	
16' 10	20' 10	72.9%	124,532	2,965	471,406	471.41	<b>475.55</b>	183.33	22.58	4.51	<b>2,144.7</b>	<b>87,183</b>	17.5	
16' 11	20' 9	73.0%	124,719	2,970	472,113	472.11	<b>476.26</b>	183.33	22.60	4.53	<b>2,157.5</b>	<b>87,313</b>	17.5	
17' 0	20' 8	73.1%	124,906	2,974	472,820	472.82	<b>476.98</b>	183.33	22.62	4.55	<b>2,170.3</b>	<b>87,445</b>	17.5	
17' 1	20' 7	73.2%	125,093	2,978	473,527	473.53	<b>477.69</b>	183.33	22.64	4.57	<b>2,183.0</b>	<b>87,575</b>	17.5	
17' 2	20' 6	73.3%	125,279	2,983	474,234	474.23	<b>478.40</b>	183.33	22.66	4.59	<b>2,195.9</b>	<b>87,705</b>	17.5	
17' 3	20' 5	73.4%	125,466	2,987	474,940	474.94	<b>479.11</b>	183.33	22.69	4.61	<b>2,208.7</b>	<b>87,835</b>	17.5	
17' 4	20' 4	73.5%	125,653	2,992	475,647	475.65	<b>479.83</b>	183.33	22.71	4.63	<b>2,221.6</b>	<b>87,967</b>	17.5	
17' 5	20' 3	73.7%	125,840	2,996	476,354	476.35	<b>480.54</b>	183.33	22.73	4.64	<b>2,229.7</b>	<b>88,097</b>	17.5	
17' 6	20' 2	73.8%	126,026	3,001	477,061	477.06	<b>481.25</b>	183.33	22.75	4.66	<b>2,242.6</b>	<b>88,228</b>	17.5	
17' 7	20' 1	73.9%	126,213	3,005	477,768	477.77	<b>481.97</b>	183.33	22.77	4.68	<b>2,255.6</b>	<b>88,360</b>	17.5	
17' 8	20' 0	74.0%	126,400	3,010	478,475	478.47	<b>482.68</b>	183.33	22.79	4.70	<b>2,268.6</b>	<b>88,490</b>	17.5	
17' 9	19' 11	74.1%	126,586	3,014	479,181	479.18	<b>483.39</b>	183.33	22.81	4.72	<b>2,281.6</b>	<b>88,620</b>	17.5	
17' 10	19' 10	74.2%	126,773	3,018	479,888	479.89	<b>484.11</b>	183.33	22.83	4.74	<b>2,294.7</b>	<b>88,752</b>	17.5	
17' 11	19' 9	74.3%	126,960	3,023	480,595	480.60	<b>484.82</b>	183.33	22.85	4.76	<b>2,307.7</b>	<b>88,882</b>	17.5	
18' 0	19' 8	74.4%	127,147	3,027	481,302	481.30	<b>485.53</b>	183.33	22.87	4.78	<b>2,320.8</b>	<b>89,012</b>	17.5	
18' 1	19' 7	74.5%	127,333	3,032	482,009	482.01	<b>486.25</b>	183.33	22.89	4.80	<b>2,334.0</b>	<b>89,144</b>	17.5	
18' 2	19' 6	74.6%	127,520	3,036	482,716	482.72	<b>486.96</b>	183.33	22.91	4.82	<b>2,347.1</b>	<b>89,274</b>	17.5	
18' 3	19' 5	74.7%	127,707	3,041	483,422	483.42	<b>487.67</b>	183.33	22.93	4.84	<b>2,360.3</b>	<b>89,405</b>	17.5	
18' 4	19' 4	74.9%	127,893	3,045	484,129	484.13	<b>488.38</b>	183.33	22.95	4.86	<b>2,373.5</b>	<b>89,535</b>	17.5	
18' 5	19' 3	75.0%	128,080	3,050	484,836	484.84	<b>489.10</b>	183.33	22.97	4.88	<b>2,386.8</b>	<b>89,667</b>	17.5	
18' 6	19' 2	75.1%	128,267	3,054	485,543	485.54	<b>489.81</b>	183.33	22.99	4.90	<b>2,400.1</b>	<b>89,797</b>	17.5	
18' 7	19' 1	75.2%	128,454	3,058	486,249	486.25	<b>490.52</b>	183.33	23.01	4.92	<b>2,413.4</b>	<b>89,927</b>	17.5	
18' 8	19' 0	75.3%	128,640	3,063	486,957	486.96	<b>491.24</b>	183.33	23.03	4.94	<b>2,426.7</b>	<b>90,059</b>	17.5	
18' 9	18' 11	75.4%	128,827	3,067	487,663	487.66	<b>491.95</b>	183.33	23.05	4.96	<b>2,440.1</b>	<b>90,189</b>	17.5	
18' 10	18' 10	75.5%	129,014	3,072	488,370	488.37	<b>492.66</b>	183.33	23.07	4.98	<b>2,453.4</b>	<b>90,319</b>	17.5	
18' 11	18' 9	75.6%	129,200	3,076	489,077	489.08	<b>493.38</b>	183.33	23.09	5.00	<b>2,466.9</b>	<b>90,451</b>	17.5	
19' 0	18' 8	75.7%	129,387	3,081	489,783	489.78	<b>494.09</b>	183.33	23.10	5.02	<b>2,480.3</b>	<b>90,582</b>	17.5	
19' 1	18' 7	75.8%	129,574	3,085	490,490	490.49	<b>494.80</b>	183.33	23.12	5.04	<b>2,493.8</b>	<b>90,712</b>	17.5	
19' 2	18' 6	75.9%	129,761	3,090	491,197	491.20	<b>495.51</b>	183.33	23.14	5.06	<b>2,507.3</b>	<b>90,842</b>	17.5	
19' 3	18' 5	76.1%	129,947	3,094	491,904	491.90	<b>496.23</b>	183.33	23.16	5.08	<b>2,520.8</b>	<b>90,974</b>	17.5	

Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
19' 4	18' 4	76.2%	130,134	3,098	492,611	492.61	<b>496.94</b>	183.33	23.18	5.10	<b>2,534.4</b>	<b>91,104</b>	17.5
19' 5	18' 3	76.3%	130,321	3,103	493,318	493.32	<b>497.65</b>	183.33	23.20	5.12	<b>2,548.0</b>	<b>91,234</b>	17.5
19' 6	18' 2	76.4%	130,507	3,107	494,024	494.02	<b>498.37</b>	183.33	23.22	5.14	<b>2,561.6</b>	<b>91,366</b>	17.5
19' 7	18' 1	76.5%	130,694	3,112	494,731	494.73	<b>499.08</b>	183.33	23.24	5.16	<b>2,575.3</b>	<b>91,496</b>	17.5
19' 8	18' 0	76.6%	130,881	3,116	495,438	495.44	<b>499.79</b>	183.33	23.26	5.18	<b>2,588.9</b>	<b>91,627</b>	17.5
19' 9	17' 11	76.7%	131,068	3,121	496,145	496.14	<b>500.51</b>	183.33	23.28	5.20	<b>2,602.7</b>	<b>91,758</b>	17.5
19' 10	17' 10	76.8%	131,254	3,125	496,852	496.85	<b>501.22</b>	183.33	23.30	5.22	<b>2,616.4</b>	<b>91,889</b>	17.5
19' 11	17' 9	76.9%	131,441	3,130	497,558	497.56	<b>501.93</b>	183.33	23.31	5.25	<b>2,635.1</b>	<b>92,019</b>	17.5
20' 0	17' 8	77.0%	131,628	3,134	498,265	498.27	<b>502.64</b>	183.33	23.33	5.27	<b>2,648.9</b>	<b>92,149</b>	17.5
20' 1	17' 7	77.1%	131,815	3,138	498,972	498.97	<b>503.36</b>	183.33	23.35	5.29	<b>2,662.8</b>	<b>92,281</b>	17.5
20' 2	17' 6	77.3%	132,001	3,143	499,679	499.68	<b>504.07</b>	183.33	23.37	5.31	<b>2,676.6</b>	<b>92,411</b>	17.5
20' 3	17' 5	77.4%	132,188	3,147	500,386	500.39	<b>504.78</b>	183.33	23.39	5.33	<b>2,690.5</b>	<b>92,541</b>	17.5
20' 4	17' 4	77.5%	132,375	3,152	501,092	501.09	<b>505.50</b>	183.33	23.41	5.35	<b>2,704.4</b>	<b>92,673</b>	17.5
20' 5	17' 3	77.6%	132,561	3,156	501,799	501.80	<b>506.21</b>	183.33	23.43	5.37	<b>2,718.3</b>	<b>92,803</b>	17.5
20' 6	17' 2	77.7%	132,748	3,161	502,506	502.51	<b>506.92</b>	183.33	23.44	5.39	<b>2,732.3</b>	<b>92,934</b>	17.5
20' 7	17' 1	77.8%	132,935	3,165	503,213	503.21	<b>507.64</b>	183.33	23.46	5.42	<b>2,751.4</b>	<b>93,066</b>	17.5
20' 8	17' 0	77.9%	133,122	3,170	503,920	503.92	<b>508.35</b>	183.33	23.48	5.44	<b>2,765.4</b>	<b>93,196</b>	17.5
20' 9	16' 11	78.0%	133,308	3,174	504,626	504.63	<b>509.06</b>	183.33	23.50	5.46	<b>2,779.5</b>	<b>93,326</b>	17.5
20' 10	16' 10	78.1%	133,495	3,178	505,334	505.33	<b>509.77</b>	183.33	23.52	5.48	<b>2,793.5</b>	<b>93,456</b>	17.5
20' 11	16' 9	78.2%	133,682	3,183	506,040	506.04	<b>510.49</b>	183.33	23.54	5.50	<b>2,807.7</b>	<b>93,588</b>	17.5
21' 0	16' 8	78.3%	133,868	3,187	506,747	506.75	<b>511.20</b>	183.33	23.55	5.52	<b>2,821.8</b>	<b>93,718</b>	17.5
21' 1	16' 7	78.5%	134,055	3,192	507,454	507.45	<b>511.91</b>	183.33	23.57	5.54	<b>2,836.0</b>	<b>93,848</b>	17.5
21' 2	16' 6	78.6%	134,242	3,196	508,161	508.16	<b>512.63</b>	183.33	23.59	5.57	<b>2,855.3</b>	<b>93,980</b>	17.5
21' 3	16' 5	78.7%	134,429	3,201	508,867	508.87	<b>513.34</b>	183.33	23.61	5.59	<b>2,869.6</b>	<b>94,111</b>	17.5
21' 4	16' 4	78.8%	134,615	3,205	509,574	509.57	<b>514.05</b>	183.33	23.63	5.61	<b>2,883.8</b>	<b>94,241</b>	17.5
21' 5	16' 3	78.9%	134,802	3,210	510,281	510.28	<b>514.77</b>	183.33	23.64	5.63	<b>2,898.2</b>	<b>94,373</b>	17.5
21' 6	16' 2	79.0%	134,989	3,214	510,988	510.99	<b>515.48</b>	183.33	23.66	5.65	<b>2,912.5</b>	<b>94,503</b>	17.5
21' 7	16' 1	79.1%	135,176	3,218	511,695	511.69	<b>516.19</b>	183.33	23.68	5.68	<b>2,932.0</b>	<b>94,633</b>	17.5
21' 8	16' 0	79.2%	135,362	3,223	512,402	512.40	<b>516.90</b>	183.33	23.70	5.70	<b>2,946.3</b>	<b>94,763</b>	17.5
21' 9	15' 11	79.3%	135,549	3,227	513,108	513.11	<b>517.62</b>	183.33	23.71	5.72	<b>2,960.8</b>	<b>94,895</b>	17.5
21' 10	15' 10	79.4%	135,736	3,232	513,815	513.82	<b>518.33</b>	183.33	23.73	5.74	<b>2,975.2</b>	<b>95,025</b>	17.5
21' 11	15' 9	79.6%	135,922	3,236	514,522	514.52	<b>519.04</b>	183.33	23.75	5.77	<b>2,994.9</b>	<b>95,156</b>	17.5
22' 0	15' 8	79.7%	136,109	3,241	515,229	515.23	<b>519.76</b>	183.33	23.77	5.79	<b>3,009.4</b>	<b>95,288</b>	17.5

Tank		Ballast #3 PORT												
Specific Gravity		1.025												
Trim		0												
Capacity		170,860 Gallons												
Label(s)		Ball#3.p												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
22' 1	15' 7	79.8%	136,296	3,245	515,936	515.94	<b>520.47</b>	183.33	23.78	5.81	<b>3,023.9</b>	<b>95,418</b>	17.5	
22' 2	15' 6	79.9%	136,483	3,250	516,642	516.64	<b>521.18</b>	183.33	23.80	5.83	<b>3,038.5</b>	<b>95,548</b>	17.5	
22' 3	15' 5	80.0%	136,669	3,254	517,349	517.35	<b>521.90</b>	183.33	23.82	5.86	<b>3,058.3</b>	<b>95,680</b>	17.5	
22' 4	15' 4	80.1%	136,856	3,258	518,056	518.06	<b>522.61</b>	183.33	23.84	5.88	<b>3,072.9</b>	<b>95,810</b>	17.5	
22' 5	15' 3	80.2%	137,043	3,263	518,763	518.76	<b>523.32</b>	183.33	23.85	5.90	<b>3,087.6</b>	<b>95,940</b>	17.5	
22' 6	15' 2	80.3%	137,229	3,267	519,470	519.47	<b>524.04</b>	183.33	23.87	5.92	<b>3,102.3</b>	<b>96,072</b>	17.5	
22' 7	15' 1	80.4%	137,416	3,272	520,177	520.18	<b>524.75</b>	183.33	23.89	5.95	<b>3,122.3</b>	<b>96,202</b>	17.5	
22' 8	15' 0	80.5%	137,603	3,276	520,883	520.88	<b>525.46</b>	183.33	23.91	5.97	<b>3,137.0</b>	<b>96,333</b>	17.5	
22' 9	14' 11	80.6%	137,790	3,281	521,590	521.59	<b>526.17</b>	183.33	23.92	5.99	<b>3,151.8</b>	<b>96,463</b>	17.5	
22' 10	14' 10	80.8%	137,976	3,285	522,297	522.30	<b>526.89</b>	183.33	23.94	6.01	<b>3,166.6</b>	<b>96,595</b>	17.5	
22' 11	14' 9	80.9%	138,163	3,290	523,004	523.0	<b>527.60</b>	183.33	23.96	6.04	<b>3,186.7</b>	<b>96,725</b>	17.5	
23' 0	14' 8	81.0%	138,350	3,294	523,711	523.71	<b>528.31</b>	183.33	23.97	6.06	<b>3,201.6</b>	<b>96,855</b>	17.5	
23' 1	14' 7	81.1%	138,536	3,298	524,417	524.42	<b>529.03</b>	183.33	23.99	6.08	<b>3,216.5</b>	<b>96,987</b>	17.5	
23' 2	14' 6	81.2%	138,723	3,303	525,124	525.12	<b>529.74</b>	183.33	24.01	6.11	<b>3,236.7</b>	<b>97,117</b>	17.5	
23' 3	14' 5	81.3%	138,910	3,307	525,831	525.83	<b>530.45</b>	183.33	24.02	6.13	<b>3,251.7</b>	<b>97,247</b>	17.5	
23' 4	14' 4	81.4%	139,097	3,312	526,538	526.54	<b>531.17</b>	183.33	24.04	6.15	<b>3,266.7</b>	<b>97,379</b>	17.5	
23' 5	14' 3	81.5%	139,283	3,316	527,245	527.24	<b>531.88</b>	183.33	24.06	6.18	<b>3,287.0</b>	<b>97,510</b>	17.5	
23' 6	14' 2	81.6%	139,470	3,321	527,951	527.95	<b>532.59</b>	183.33	24.07	6.20	<b>3,302.1</b>	<b>97,640</b>	17.5	
23' 7	14' 1	81.7%	139,657	3,325	528,658	528.66	<b>533.30</b>	183.33	24.09	6.22	<b>3,317.1</b>	<b>97,770</b>	17.5	
23' 8	14' 0	81.8%	139,844	3,330	529,365	529.37	<b>534.02</b>	183.33	24.11	6.25	<b>3,337.6</b>	<b>97,902</b>	17.5	
23' 9	13' 11	82.0%	140,030	3,334	530,072	530.07	<b>534.73</b>	183.33	24.12	6.27	<b>3,352.8</b>	<b>98,032</b>	17.5	
23' 10	13' 10	82.1%	140,217	3,338	530,779	530.78	<b>535.44</b>	183.33	24.14	6.29	<b>3,367.9</b>	<b>98,162</b>	17.5	
23' 11	13' 9	82.2%	140,404	3,343	531,485	531.49	<b>536.16</b>	183.33	24.16	6.32	<b>3,388.5</b>	<b>98,294</b>	17.5	
24' 0	13' 8	82.3%	140,590	3,347	532,192	532.19	<b>536.87</b>	183.33	24.17	6.34	<b>3,403.8</b>	<b>98,424</b>	17.5	
24' 1	13' 7	82.4%	140,777	3,352	532,899	532.90	<b>537.58</b>	183.33	24.19	6.36	<b>3,419.0</b>	<b>98,555</b>	17.5	
24' 2	13' 6	82.5%	140,964	3,356	533,606	533.61	<b>538.30</b>	183.33	24.21	6.39	<b>3,439.7</b>	<b>98,687</b>	17.5	
24' 3	13' 5	82.6%	141,151	3,361	534,313	534.31	<b>539.01</b>	183.33	24.22	6.41	<b>3,455.1</b>	<b>98,817</b>	17.5	
24' 4	13' 4	82.7%	141,337	3,365	535,020	535.02	<b>539.72</b>	183.33	24.24	6.43	<b>3,470.4</b>	<b>98,947</b>	17.5	
24' 5	13' 3	82.8%	141,524	3,370	535,726	535.73	<b>540.43</b>	183.33	24.26	6.46	<b>3,491.2</b>	<b>99,077</b>	17.5	
24' 6	13' 2	82.9%	141,711	3,374	536,433	536.43	<b>541.15</b>	183.33	24.27	6.48	<b>3,506.7</b>	<b>99,209</b>	17.5	
24' 7	13' 1	83.0%	141,897	3,379	537,140	537.14	<b>541.86</b>	183.33	24.29	6.51	<b>3,527.5</b>	<b>99,339</b>	17.5	
24' 8	13' 0	83.2%	142,084	3,383	537,847	537.85	<b>542.57</b>	183.33	24.30	6.53	<b>3,543.0</b>	<b>99,469</b>	17.5	
24' 9	12' 11	83.3%	142,271	3,387	538,554	538.55	<b>543.29</b>	183.33	24.32	6.55	<b>3,558.5</b>	<b>99,601</b>	17.5	

Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
24' 10	12' 10	83.4%	142,458	3,392	539,260	539.26	<b>544.0</b>	183.33	24.34	6.58	<b>3,579.5</b>	<b>99,732</b>	17.5
24' 11	12' 9	83.5%	142,644	3,396	539,967	539.97	<b>544.71</b>	183.33	24.35	6.60	<b>3,595.1</b>	<b>99,862</b>	17.5
25' 0	12' 8	83.6%	142,831	3,401	540,674	540.67	<b>545.43</b>	183.33	24.37	6.63	<b>3,616.2</b>	<b>99,994</b>	17.5
25' 1	12' 7	83.7%	143,018	3,405	541,381	541.38	<b>546.14</b>	183.33	24.38	6.65	<b>3,631.8</b>	<b>100,124</b>	17.5
25' 2	12' 6	83.8%	143,204	3,410	542,088	542.09	<b>546.85</b>	183.33	24.40	6.67	<b>3,647.5</b>	<b>100,254</b>	17.5
25' 3	12' 5	83.9%	143,391	3,414	542,794	542.79	<b>547.57</b>	183.33	24.41	6.70	<b>3,668.7</b>	<b>100,386</b>	17.5
25' 4	12' 4	84.0%	143,578	3,419	543,501	543.50	<b>548.28</b>	183.33	24.43	6.72	<b>3,684.4</b>	<b>100,516</b>	17.5
25' 5	12' 3	84.1%	143,765	3,423	544,208	544.21	<b>548.99</b>	183.33	24.45	6.75	<b>3,705.7</b>	<b>100,646</b>	17.5
25' 6	12' 2	84.3%	143,951	3,427	544,915	544.91	<b>549.70</b>	183.33	24.46	6.77	<b>3,721.5</b>	<b>100,777</b>	17.5
25' 7	12' 1	84.4%	144,138	3,432	545,622	545.62	<b>550.42</b>	183.33	24.48	6.80	<b>3,742.9</b>	<b>100,908</b>	17.5
25' 8	12' 0	84.5%	144,325	3,436	546,328	546.33	<b>551.13</b>	183.33	24.49	6.82	<b>3,758.7</b>	<b>101,039</b>	17.5
25' 9	11' 11	84.6%	144,511	3,441	547,035	547.04	<b>551.84</b>	183.33	24.51	6.84	<b>3,774.6</b>	<b>101,169</b>	17.5
25' 10	11' 10	84.7%	144,698	3,445	547,742	547.74	<b>552.56</b>	183.33	24.52	6.87	<b>3,796.1</b>	<b>101,301</b>	17.5
25' 11	11' 9	84.8%	144,885	3,450	548,449	548.45	<b>553.27</b>	183.33	24.54	6.89	<b>3,812.0</b>	<b>101,431</b>	17.5
26' 0	11' 8	84.9%	145,072	3,454	549,156	549.16	<b>553.98</b>	183.33	24.56	6.92	<b>3,833.5</b>	<b>101,561</b>	17.5
26' 1	11' 7	85.0%	145,258	3,459	549,862	549.86	<b>554.70</b>	183.33	24.57	6.94	<b>3,849.6</b>	<b>101,693</b>	17.5
26' 2	11' 6	85.1%	145,445	3,463	550,570	550.57	<b>555.41</b>	183.33	24.59	6.97	<b>3,871.2</b>	<b>101,823</b>	17.5
26' 3	11' 5	85.2%	145,632	3,467	551,276	551.28	<b>556.12</b>	183.33	24.60	6.99	<b>3,887.3</b>	<b>101,953</b>	17.5
26' 4	11' 4	85.3%	145,819	3,472	551,983	551.98	<b>556.83</b>	183.33	24.62	7.02	<b>3,908.9</b>	<b>102,084</b>	17.5
26' 5	11' 3	85.5%	146,005	3,476	552,690	552.69	<b>557.55</b>	183.33	24.63	7.04	<b>3,925.2</b>	<b>102,216</b>	17.5
26' 6	11' 2	85.6%	146,192	3,481	553,397	553.40	<b>558.26</b>	183.33	24.65	7.07	<b>3,946.9</b>	<b>102,346</b>	17.5
26' 7	11' 1	85.7%	146,379	3,485	554,104	554.10	<b>558.97</b>	183.33	24.66	7.09	<b>3,963.1</b>	<b>102,476</b>	17.5
26' 8	11' 0	85.8%	146,565	3,490	554,810	554.81	<b>559.69</b>	183.33	24.68	7.12	<b>3,985.0</b>	<b>102,608</b>	17.5
26' 9	10' 11	85.9%	146,752	3,494	555,517	555.52	<b>560.40</b>	183.33	24.69	7.14	<b>4,001.3</b>	<b>102,738</b>	17.5
26' 10	10' 10	86.0%	146,939	3,499	556,224	556.22	<b>561.11</b>	183.33	24.71	7.17	<b>4,023.2</b>	<b>102,868</b>	17.5
26' 11	10' 9	86.1%	147,126	3,503	556,931	556.93	<b>561.83</b>	183.33	24.72	7.19	<b>4,039.6</b>	<b>103,000</b>	17.5
27' 0	10' 8	86.2%	147,312	3,507	557,637	557.64	<b>562.54</b>	183.33	24.74	7.22	<b>4,061.5</b>	<b>103,130</b>	17.5
27' 1	10' 7	86.3%	147,499	3,512	558,344	558.34	<b>563.25</b>	183.33	24.75	7.24	<b>4,077.9</b>	<b>103,261</b>	17.5
27' 2	10' 6	86.4%	147,686	3,516	559,051	559.05	<b>563.96</b>	183.33	24.77	7.27	<b>4,100.0</b>	<b>103,391</b>	17.5
27' 3	10' 5	86.5%	147,872	3,521	559,758	559.76	<b>564.68</b>	183.33	24.78	7.29	<b>4,116.5</b>	<b>103,523</b>	17.5
27' 4	10' 4	86.7%	148,059	3,525	560,465	560.46	<b>565.39</b>	183.33	24.80	7.32	<b>4,138.7</b>	<b>103,653</b>	17.5
27' 5	10' 3	86.8%	148,246	3,530	561,171	561.17	<b>566.10</b>	183.33	24.81	7.34	<b>4,155.2</b>	<b>103,783</b>	17.5
27' 6	10' 2	86.9%	148,433	3,534	561,879	561.88	<b>566.82</b>	183.33	24.83	7.37	<b>4,177.5</b>	<b>103,915</b>	17.5

Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
27' 7	10' 1	87.0%	148,619	3,539	562,585	562.59	<b>567.53</b>	183.33	24.84	7.40	<b>4,199.7</b>	<b>104,045</b>	17.5
27' 8	10' 0	87.1%	148,806	3,543	563,292	563.29	<b>568.24</b>	183.33	24.86	7.42	<b>4,216.3</b>	<b>104,175</b>	17.5
27' 9	9' 11	87.2%	148,993	3,547	563,999	564.0	<b>568.96</b>	183.33	24.87	7.45	<b>4,238.8</b>	<b>104,307</b>	17.5
27' 10	9' 10	87.3%	149,180	3,552	564,706	564.71	<b>569.67</b>	183.33	24.88	7.47	<b>4,255.4</b>	<b>104,438</b>	17.5
27' 11	9' 9	87.4%	149,366	3,556	565,413	565.41	<b>570.38</b>	183.33	24.90	7.50	<b>4,277.9</b>	<b>104,568</b>	17.5
28' 0	9' 8	87.5%	149,553	3,561	566,119	566.12	<b>571.09</b>	183.33	24.91	7.52	<b>4,294.6</b>	<b>104,698</b>	17.5
28' 1	9' 7	87.6%	149,740	3,565	566,826	566.83	<b>571.81</b>	183.33	24.93	7.55	<b>4,317.2</b>	<b>104,830</b>	17.5
28' 2	9' 6	87.7%	149,926	3,570	567,533	567.53	<b>572.52</b>	183.33	24.94	7.57	<b>4,334.0</b>	<b>104,960</b>	17.5
28' 3	9' 5	87.9%	150,113	3,574	568,240	568.24	<b>573.23</b>	183.33	24.96	7.60	<b>4,356.5</b>	<b>105,090</b>	17.5
28' 4	9' 4	88.0%	150,300	3,579	568,947	568.95	<b>573.95</b>	183.33	24.97	7.63	<b>4,379.2</b>	<b>105,222</b>	17.5
28' 5	9' 3	88.1%	150,487	3,583	569,653	569.65	<b>574.66</b>	183.33	24.99	7.65	<b>4,396.1</b>	<b>105,352</b>	17.5
28' 6	9' 2	88.2%	150,673	3,587	570,360	570.36	<b>575.37</b>	183.33	25.00	7.68	<b>4,418.8</b>	<b>105,483</b>	17.5
28' 7	9' 1	88.3%	150,860	3,592	571,067	571.07	<b>576.09</b>	183.33	25.01	7.70	<b>4,435.9</b>	<b>105,615</b>	17.5
28' 8	9' 0	88.4%	151,047	3,596	571,774	571.77	<b>576.80</b>	183.33	25.03	7.73	<b>4,458.7</b>	<b>105,745</b>	17.5
28' 9	8' 11	88.5%	151,233	3,601	572,481	572.48	<b>577.51</b>	183.33	25.04	7.76	<b>4,481.5</b>	<b>105,875</b>	17.5
28' 10	8' 10	88.6%	151,420	3,605	573,187	573.19	<b>578.23</b>	183.33	25.06	7.78	<b>4,498.6</b>	<b>106,007</b>	17.5
28' 11	8' 9	88.7%	151,607	3,610	573,894	573.89	<b>578.94</b>	183.33	25.07	7.81	<b>4,521.5</b>	<b>106,137</b>	17.5
29' 0	8' 8	88.8%	151,794	3,614	574,601	574.60	<b>579.65</b>	183.33	25.09	7.83	<b>4,538.7</b>	<b>106,267</b>	17.5
29' 1	8' 7	89.0%	151,980	3,619	575,308	575.31	<b>580.36</b>	183.33	25.10	7.86	<b>4,561.6</b>	<b>106,397</b>	17.5
29' 2	8' 6	89.1%	152,167	3,623	576,015	576.01	<b>581.08</b>	183.33	25.11	7.89	<b>4,584.7</b>	<b>106,529</b>	17.5
29' 3	8' 5	89.2%	152,354	3,627	576,721	576.72	<b>581.79</b>	183.33	25.13	7.91	<b>4,602.0</b>	<b>106,660</b>	17.5
29' 4	8' 4	89.3%	152,540	3,632	577,428	577.43	<b>582.50</b>	183.33	25.14	7.94	<b>4,625.1</b>	<b>106,790</b>	17.5
29' 5	8' 3	89.4%	152,727	3,636	578,135	578.13	<b>583.22</b>	183.33	25.15	7.97	<b>4,648.3</b>	<b>106,922</b>	17.5
29' 6	8' 2	89.5%	152,914	3,641	578,842	578.84	<b>583.93</b>	183.33	25.17	7.99	<b>4,665.6</b>	<b>107,052</b>	17.5
29' 7	8' 1	89.6%	153,101	3,645	579,549	579.55	<b>584.64</b>	183.33	25.18	8.02	<b>4,688.8</b>	<b>107,182</b>	17.5
29' 8	8' 0	89.7%	153,287	3,650	580,256	580.26	<b>585.36</b>	183.33	25.20	8.04	<b>4,706.3</b>	<b>107,314</b>	17.5
29' 9	7' 11	89.8%	153,474	3,654	580,962	580.96	<b>586.07</b>	183.33	25.21	8.07	<b>4,729.6</b>	<b>107,444</b>	17.5
29' 10	7' 10	89.9%	153,661	3,659	581,669	581.67	<b>586.78</b>	183.33	25.22	8.10	<b>4,752.9</b>	<b>107,574</b>	17.5
29' 11	7' 9	90.0%	153,847	3,663	582,376	582.38	<b>587.49</b>	183.33	25.24	8.12	<b>4,770.4</b>	<b>107,705</b>	17.5
30' 0	7' 8	90.2%	154,034	3,667	583,083	583.08	<b>588.21</b>	183.33	25.25	8.15	<b>4,793.9</b>	<b>107,837</b>	17.5
30' 1	7' 7	90.3%	154,221	3,672	583,790	583.79	<b>588.92</b>	183.33	25.26	8.18	<b>4,817.4</b>	<b>107,967</b>	17.5
30' 2	7' 6	90.4%	154,408	3,676	584,496	584.50	<b>589.63</b>	183.33	25.28	8.20	<b>4,835.0</b>	<b>108,097</b>	17.5
30' 3	7' 5	90.5%	154,594	3,681	585,203	585.20	<b>590.35</b>	183.33	25.29	8.23	<b>4,858.6</b>	<b>108,229</b>	17.5

Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
30' 4	7' 4	90.6%	154,781	3,685	585,910	585.91	<b>591.06</b>	183.33	25.31	8.26	<b>4,882.2</b>	<b>108,359</b>	17.5
30' 5	7' 3	90.7%	154,968	3,690	586,617	586.62	<b>591.77</b>	183.33	25.32	8.28	<b>4,899.9</b>	<b>108,489</b>	17.5
30' 6	7' 2	90.8%	155,155	3,694	587,324	587.32	<b>592.49</b>	183.33	25.33	8.31	<b>4,923.6</b>	<b>108,621</b>	17.5
30' 7	7' 1	90.9%	155,341	3,699	588,030	588.03	<b>593.20</b>	183.33	25.35	8.34	<b>4,947.3</b>	<b>108,751</b>	17.5
30' 8	7' 0	91.0%	155,528	3,703	588,737	588.74	<b>593.91</b>	183.33	25.36	8.36	<b>4,965.1</b>	<b>108,882</b>	17.5
30' 9	6' 11	91.1%	155,715	3,707	589,444	589.44	<b>594.62</b>	183.33	25.37	8.39	<b>4,988.9</b>	<b>109,012</b>	17.5
30' 10	6' 10	91.2%	155,901	3,712	590,151	590.15	<b>595.34</b>	183.33	25.39	8.42	<b>5,012.8</b>	<b>109,144</b>	17.5
30' 11	6' 9	91.4%	156,088	3,716	590,858	590.86	<b>596.05</b>	183.33	25.40	8.45	<b>5,036.6</b>	<b>109,274</b>	17.5
31' 0	6' 8	91.5%	156,275	3,721	591,564	591.56	<b>596.76</b>	183.33	25.41	8.47	<b>5,054.6</b>	<b>109,404</b>	17.5
31' 1	6' 7	91.6%	156,462	3,725	592,271	592.27	<b>597.48</b>	183.33	25.43	8.50	<b>5,078.6</b>	<b>109,536</b>	17.5
31' 2	6' 6	91.7%	156,648	3,730	592,978	592.98	<b>598.19</b>	183.33	25.44	8.53	<b>5,102.6</b>	<b>109,666</b>	17.5
31' 3	6' 5	91.8%	156,835	3,734	593,685	593.69	<b>598.90</b>	183.33	25.45	8.55	<b>5,120.6</b>	<b>109,796</b>	17.5
31' 4	6' 4	91.9%	157,022	3,739	594,392	594.39	<b>599.62</b>	183.33	25.47	8.58	<b>5,144.7</b>	<b>109,928</b>	17.5
31' 5	6' 3	92.0%	157,208	3,743	595,099	595.10	<b>600.33</b>	183.33	25.48	8.61	<b>5,168.8</b>	<b>110,058</b>	17.5
31' 6	6' 2	92.1%	157,395	3,748	595,805	595.81	<b>601.04</b>	183.33	25.49	8.64	<b>5,193.0</b>	<b>110,189</b>	17.5
31' 7	6' 1	92.2%	157,582	3,752	596,512	596.51	<b>601.75</b>	183.33	25.51	8.66	<b>5,211.2</b>	<b>110,319</b>	17.5
31' 8	6' 0	92.3%	157,769	3,756	597,219	597.22	<b>602.47</b>	183.33	25.52	8.69	<b>5,235.5</b>	<b>110,451</b>	17.5
31' 9	5' 11	92.4%	157,955	3,761	597,926	597.93	<b>603.18</b>	183.33	25.53	8.72	<b>5,259.7</b>	<b>110,581</b>	17.5
31' 10	5' 10	92.6%	158,142	3,765	598,633	598.63	<b>603.89</b>	183.33	25.54	8.74	<b>5,278.0</b>	<b>110,711</b>	17.5
31' 11	5' 9	92.7%	158,329	3,770	599,339	599.34	<b>604.61</b>	183.33	25.56	8.77	<b>5,302.4</b>	<b>110,843</b>	17.5
32' 0	5' 8	92.8%	158,515	3,774	600,046	600.05	<b>605.32</b>	183.33	25.57	8.80	<b>5,326.8</b>	<b>110,973</b>	17.5
32' 1	5' 7	92.9%	158,702	3,779	600,753	600.75	<b>606.03</b>	183.33	25.58	8.83	<b>5,351.2</b>	<b>111,103</b>	17.5
32' 2	5' 6	93.0%	158,889	3,783	601,460	601.46	<b>606.75</b>	183.33	25.60	8.85	<b>5,369.7</b>	<b>111,235</b>	17.5
32' 3	5' 5	93.1%	159,076	3,788	602,167	602.17	<b>607.46</b>	183.33	25.61	8.88	<b>5,394.2</b>	<b>111,366</b>	17.5
32' 4	5' 4	93.2%	159,262	3,792	602,873	602.87	<b>608.17</b>	183.33	25.62	8.91	<b>5,418.8</b>	<b>111,496</b>	17.5
32' 5	5' 3	93.3%	159,449	3,796	603,580	603.58	<b>608.88</b>	183.33	25.63	8.94	<b>5,443.4</b>	<b>111,626</b>	17.5
32' 6	5' 2	93.4%	159,636	3,801	604,287	604.29	<b>609.60</b>	183.33	25.65	8.96	<b>5,462.0</b>	<b>111,758</b>	17.5
32' 7	5' 1	93.5%	159,823	3,805	604,994	604.99	<b>610.31</b>	183.33	25.66	8.99	<b>5,486.7</b>	<b>111,888</b>	17.5
32' 8	5' 0	93.6%	160,009	3,810	605,700	605.70	<b>611.02</b>	183.33	25.67	9.02	<b>5,511.4</b>	<b>112,018</b>	17.5
32' 9	4' 11	93.8%	160,196	3,814	606,407	606.41	<b>611.74</b>	183.33	25.68	9.05	<b>5,536.2</b>	<b>112,150</b>	17.5
32' 10	4' 10	93.9%	160,383	3,819	607,114	607.11	<b>612.45</b>	183.33	25.70	9.08	<b>5,561.0</b>	<b>112,280</b>	17.5
32' 11	4' 9	94.0%	160,569	3,823	607,821	607.82	<b>613.16</b>	183.33	25.71	9.10	<b>5,579.8</b>	<b>112,411</b>	17.5
33' 0	4' 8	94.1%	160,756	3,828	608,528	608.53	<b>613.88</b>	183.33	25.72	9.13	<b>5,604.7</b>	<b>112,543</b>	17.5

Tank		Ballast #3 PORT												
Specific Gravity		1.025												
Trim		0												
Capacity		170,860 Gallons												
Label(s)		Ball#3.p												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
33' 1	4' 7	94.2%	160,943	3,832	609,234	609.23	<b>614.59</b>	183.33	25.74	9.16	<b>5,629.6</b>	<b>112,673</b>	17.5	
33' 2	4' 6	94.3%	161,130	3,836	609,942	609.94	<b>615.30</b>	183.33	25.75	9.19	<b>5,654.6</b>	<b>112,803</b>	17.5	
33' 3	4' 5	94.4%	161,316	3,841	610,648	610.65	<b>616.02</b>	183.33	25.76	9.21	<b>5,673.5</b>	<b>112,935</b>	17.5	
33' 4	4' 4	94.5%	161,503	3,845	611,355	611.35	<b>616.73</b>	183.33	25.77	9.24	<b>5,698.6</b>	<b>113,065</b>	17.5	
33' 5	4' 3	94.6%	161,690	3,850	612,062	612.06	<b>617.44</b>	183.33	25.78	9.27	<b>5,723.7</b>	<b>113,195</b>	17.5	
33' 6	4' 2	94.7%	161,876	3,854	612,768	612.77	<b>618.15</b>	183.33	25.80	9.30	<b>5,748.8</b>	<b>113,325</b>	17.5	
33' 7	4' 1	94.9%	162,063	3,859	613,475	613.48	<b>618.87</b>	183.33	25.81	9.33	<b>5,774.1</b>	<b>113,457</b>	17.5	
33' 8	4' 0	95.0%	162,250	3,863	614,182	614.18	<b>619.58</b>	183.33	25.82	9.35	<b>5,793.1</b>	<b>113,588</b>	17.5	
33' 9	3' 11	95.1%	162,437	3,868	614,889	614.89	<b>620.29</b>	183.33	25.83	9.38	<b>5,818.3</b>	<b>113,718</b>	17.5	
33' 10	3' 10	95.2%	162,623	3,872	615,596	615.60	<b>621.01</b>	183.33	25.85	9.41	<b>5,843.7</b>	<b>113,850</b>	17.5	
33' 11	3' 9	95.3%	162,810	3,876	616,303	616.30	<b>621.72</b>	183.33	25.86	9.44	<b>5,869.0</b>	<b>113,980</b>	17.5	
34' 0	3' 8	95.4%	162,997	3,881	617,009	617.01	<b>622.43</b>	183.33	25.87	9.47	<b>5,894.4</b>	<b>114,110</b>	17.5	
34' 1	3' 7	95.5%	163,183	3,885	617,716	617.72	<b>623.15</b>	183.33	25.88	9.50	<b>5,919.9</b>	<b>114,242</b>	17.5	
34' 2	3' 6	95.6%	163,370	3,890	618,423	618.42	<b>623.86</b>	183.33	25.90	9.52	<b>5,939.1</b>	<b>114,372</b>	17.5	
34' 3	3' 5	95.7%	163,557	3,894	619,130	619.13	<b>624.57</b>	183.33	25.91	9.55	<b>5,964.6</b>	<b>114,502</b>	17.5	
34' 4	3' 4	95.8%	163,744	3,899	619,837	619.84	<b>625.28</b>	183.33	25.92	9.58	<b>5,990.2</b>	<b>114,633</b>	17.5	
34' 5	3' 3	95.9%	163,930	3,903	620,543	620.54	<b>626.0</b>	183.33	25.93	9.61	<b>6,015.9</b>	<b>114,765</b>	17.5	
34' 6	3' 2	96.1%	164,117	3,908	621,250	621.25	<b>626.71</b>	183.33	25.94	9.64	<b>6,041.5</b>	<b>114,895</b>	17.5	
34' 7	3' 1	96.2%	164,304	3,912	621,957	621.96	<b>627.42</b>	183.33	25.96	9.67	<b>6,067.2</b>	<b>115,025</b>	17.5	
34' 8	3' 0	96.3%	164,490	3,916	622,664	622.66	<b>628.14</b>	183.33	25.97	9.69	<b>6,086.7</b>	<b>115,157</b>	17.5	
34' 9	2' 11	96.4%	164,677	3,921	623,370	623.37	<b>628.85</b>	183.33	25.98	9.72	<b>6,112.4</b>	<b>115,287</b>	17.5	
34' 10	2' 10	96.5%	164,864	3,925	624,077	624.08	<b>629.56</b>	183.33	25.99	9.75	<b>6,138.2</b>	<b>115,417</b>	17.5	
34' 11	2' 9	96.6%	165,051	3,930	624,784	624.78	<b>630.28</b>	183.33	26.00	9.78	<b>6,164.1</b>	<b>115,549</b>	17.5	
35' 0	2' 8	96.7%	165,237	3,934	625,491	625.49	<b>630.99</b>	183.33	26.02	9.81	<b>6,190.0</b>	<b>115,679</b>	17.5	
35' 1	2' 7	96.8%	165,424	3,939	626,198	626.20	<b>631.70</b>	183.33	26.03	9.84	<b>6,215.9</b>	<b>115,810</b>	17.5	
35' 2	2' 6	96.9%	165,611	3,943	626,904	626.90	<b>632.41</b>	183.33	26.04	9.87	<b>6,241.9</b>	<b>115,940</b>	17.5	
35' 3	2' 5	97.0%	165,797	3,948	627,611	627.61	<b>633.13</b>	183.33	26.05	9.89	<b>6,261.7</b>	<b>116,072</b>	17.5	
35' 4	2' 4	97.1%	165,984	3,952	628,318	628.32	<b>633.84</b>	183.33	26.06	9.92	<b>6,287.7</b>	<b>116,202</b>	17.5	
35' 5	2' 3	97.3%	166,171	3,956	629,025	629.02	<b>634.55</b>	183.33	26.07	9.95	<b>6,313.8</b>	<b>116,332</b>	17.5	
35' 6	2' 2	97.4%	166,358	3,961	629,732	629.73	<b>635.27</b>	183.33	26.09	9.98	<b>6,340.0</b>	<b>116,464</b>	17.5	
35' 7	2' 1	97.5%	166,544	3,965	630,438	630.44	<b>635.98</b>	183.33	26.10	10.01	<b>6,366.2</b>	<b>116,594</b>	17.5	
35' 8	2' 0	97.6%	166,731	3,970	631,145	631.15	<b>636.69</b>	183.33	26.11	10.04	<b>6,392.4</b>	<b>116,724</b>	17.5	
35' 9	1' 11	97.7%	166,918	3,974	631,852	631.85	<b>637.41</b>	183.33	26.12	10.07	<b>6,418.7</b>	<b>116,856</b>	17.5	

Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
35' 10	1' 10	97.8%	167,104	3,979	632,559	632.56	<b>638.12</b>	183.33	26.13	10.10	<b>6,445.0</b>	<b>116,987</b>	17.5
35' 11	1' 9	97.9%	167,291	3,983	633,266	633.27	<b>638.83</b>	183.33	26.14	10.12	<b>6,465.0</b>	<b>117,117</b>	17.5
36' 0	1' 8	98.0%	167,478	3,988	633,972	633.97	<b>639.54</b>	183.33	26.16	10.15	<b>6,491.3</b>	<b>117,247</b>	17.5
36' 1	1' 7	98.1%	167,665	3,992	634,679	634.68	<b>640.26</b>	183.33	26.17	10.18	<b>6,517.8</b>	<b>117,379</b>	17.5
36' 2	1' 6	98.2%	167,851	3,996	635,386	635.39	<b>640.97</b>	183.33	26.18	10.21	<b>6,544.3</b>	<b>117,509</b>	17.5
36' 3	1' 5	98.3%	168,038	4,001	636,093	636.09	<b>641.68</b>	183.33	26.19	10.24	<b>6,570.8</b>	<b>117,639</b>	17.5
36' 4	1' 4	98.5%	168,225	4,005	636,799	636.80	<b>642.40</b>	183.33	26.20	10.27	<b>6,597.4</b>	<b>117,771</b>	17.5
36' 5	1' 3	98.6%	168,411	4,010	637,506	637.51	<b>643.11</b>	183.33	26.21	10.30	<b>6,624.0</b>	<b>117,901</b>	17.5
36' 6	1' 2	98.7%	168,598	4,014	638,213	638.21	<b>643.82</b>	183.33	26.22	10.33	<b>6,650.7</b>	<b>118,032</b>	17.5
36' 7	1' 1	98.8%	168,784	4,019	638,918	638.92	<b>644.53</b>	183.33	26.24	10.36	<b>6,677.3</b>	<b>118,162</b>	17.3
36' 8	1' 0	98.9%	168,970	4,023	639,620	639.62	<b>645.24</b>	183.33	26.25	10.39	<b>6,704.0</b>	<b>118,292</b>	17.1
36' 9	0' 11	99.0%	169,155	4,027	640,319	640.32	<b>645.95</b>	183.33	26.26	10.41	<b>6,724.3</b>	<b>118,422</b>	16.9
36' 10	0' 10	99.1%	169,338	4,032	641,016	641.02	<b>646.65</b>	183.33	26.27	10.44	<b>6,751.0</b>	<b>118,550</b>	16.6
36' 11	0' 9	99.2%	169,522	4,036	641,709	641.71	<b>647.35</b>	183.33	26.28	10.47	<b>6,777.8</b>	<b>118,679</b>	16.4
37' 0	0' 8	99.3%	169,704	4,041	642,399	642.40	<b>648.04</b>	183.33	26.29	10.50	<b>6,804.4</b>	<b>118,805</b>	16.1
37' 1	0' 7	99.4%	169,884	4,045	643,079	643.08	<b>648.73</b>	183.33	26.30	10.53	<b>6,831.1</b>	<b>118,932</b>	15.3
37' 2	0' 6	99.5%	170,060	4,049	643,748	643.75	<b>649.41</b>	183.33	26.31	10.56	<b>6,857.8</b>	<b>119,056</b>	14.5
37' 3	0' 5	99.6%	170,234	4,053	644,406	644.41	<b>650.07</b>	183.33	26.32	10.58	<b>6,877.7</b>	<b>119,177</b>	13.7
37' 4	0' 4	99.7%	170,405	4,057	645,052	645.05	<b>650.72</b>	183.33	26.33	10.61	<b>6,904.1</b>	<b>119,296</b>	13.0
37' 5	0' 3	99.8%	170,570	4,061	645,679	645.68	<b>651.35</b>	183.33	26.34	10.64	<b>6,930.4</b>	<b>119,412</b>	11.2
37' 6	0' 2	99.9%	170,726	4,065	646,267	646.27	<b>651.95</b>	183.33	26.35	10.66	<b>6,949.8</b>	<b>119,522</b>	9.3
37' 7	0' 1	100.0%	170,860	4,068	646,775	646.78	<b>652.46</b>	183.33	26.36	10.68	<b>6,968.3</b>	<b>119,615</b>	2.0



Tank		Ballast #3 STBD											
Specific Gravity		1.025											
Trim		0											
Capacity		163,798 Gallons											
Label(s)		Ball#3.s											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
0' 1	37' 7	0	1910	45	7230	7	7	183	20	0	1	1336	7010
0' 2	37' 6	0	3289	78	12449	12	13	183	20	0	2	2303	7099
0' 3	37' 5	0	4673	111	17689	18	18	183	20	0	4	3271	7189
0' 4	37' 4	0	6063	144	22952	23	23	183	20	0	6	4244	7269
0' 5	37' 3	0	7457	178	28228	28	28	183	20	0	8	5221	7310
0' 6	37' 2	0	8853	211	33513	34	34	183	20	0	11	6198	7351
0' 7	37' 1	0	10252	244	38809	39	39	183	20	0	14	7177	7393
0' 8	37' 0	0	11654	277	44115	44	45	183	20	0	18	8158	7435
0' 9	36' 11	0	13058	311	49430	49	50	183	20	0	22	9141	7473
0' 10	36' 10	0	14464	344	54752	55	55	183	20	1	28	10125	7491
0' 11	36' 9	0	15871	378	60079	60	61	183	20	1	33	11112	7510
1' 0	36' 8	0	17279	411	65410	65	66	183	20	1	38	12096	7529
1' 1	36' 7	0	18689	445	70745	71	71	183	20	1	44	13084	7545
1' 2	36' 6	0	20099	479	76083	76	77	183	20	1	51	14071	7558
1' 3	36' 5	0	21510	512	81424	81	82	183	20	1	58	15059	7568
1' 4	36' 4	0	22921	546	86767	87	88	183	20	1	66	16047	7574
1' 5	36' 3	0	24333	579	92111	92	93	183	20	1	73	17035	7580
1' 6	36' 2	0	25745	613	97457	97	98	183	20	1	82	18023	7583
1' 7	36' 1	0	27158	647	102803	103	104	183	20	1	90	19013	7583
1' 8	36' 0	0	28570	680	108149	108	109	183	20	1	99	20001	7583
1' 9	35' 11	0	29982	714	113494	113	114	183	20	1	110	20989	7583
1' 10	35' 10	0	31394	747	118840	119	120	183	20	1	120	21978	7583
1' 11	35' 9	0	32806	781	124186	124	125	183	20	1	130	22968	7583
2' 0	35' 8	0	34219	815	129532	130	131	183	20	1	141	23956	7583
2' 1	35' 7	0	35631	848	134878	135	136	183	20	1	152	24944	7583
2' 2	35' 6	0	37043	882	140223	140	141	183	20	1	166	25934	7583
2' 3	35' 5	0	38455	916	145569	146	147	183	20	1	178	26922	7583
2' 4	35' 4	0	39868	949	150915	151	152	183	20	1	190	27910	7583
2' 5	35' 3	0	41280	983	156261	156	158	183	20	1	203	28898	7583
2' 6	35' 2	0	42692	1016	161607	162	163	183	20	1	217	29888	7583
2' 7	35' 1	0	44104	1050	166952	167	168	183	20	1	231	30876	7583
2' 8	35' 0	0	45516	1084	172298	172	174	183	20	1	247	31865	7583
2' 9	34' 11	0	46929	1117	177644	178	179	183	20	1	262	32855	7583

Tank		Ballast #3 STBD												
Specific Gravity		1.025												
Trim		0												
Capacity		163,798 Gallons												
Label(s)		Ball#3.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
2' 10	34' 10	0	48341	1151	182990	183	185	183	20	2	277	33843	7583	
2' 11	34' 9	0	49753	1185	188336	188	190	183	20	2	293	34831	7583	
3' 0	34' 8	0	51165	1218	193681	194	195	183	20	2	309	35819	7583	
3' 1	34' 7	32.1%	52,577	1,252	199,027	199.03	200.78	183.33	20.17	1.62	325.3	36,809	7,583.2	
3' 2	34' 6	33.0%	53,990	1,285	204,373	204.37	206.17	183.33	20.17	1.67	344.3	37,797	7,583.2	
3' 3	34' 5	33.8%	55,402	1,319	209,719	209.72	211.56	183.33	20.17	1.71	361.8	38,785	7,583.2	
3' 4	34' 4	34.7%	56,814	1,353	215,065	215.06	216.95	183.33	20.17	1.75	379.7	39,773	7,583.2	
3' 5	34' 3	35.5%	58,226	1,386	220,411	220.41	222.35	183.33	20.18	1.79	398.0	40,763	7,583.2	
3' 6	34' 2	36.4%	59,639	1,420	225,756	225.76	227.74	183.33	20.18	1.83	416.8	41,752	7,583.2	
3' 7	34' 1	37.3%	61,051	1,454	231,102	231.10	233.13	183.33	20.18	1.87	436.0	42,740	7,583.2	
3' 8	34' 0	38.1%	62,463	1,487	236,448	236.45	238.53	183.33	20.18	1.92	458.0	43,730	7,583.2	
3' 9	33' 11	39.0%	63,875	1,521	241,794	241.79	243.92	183.33	20.18	1.96	478.1	44,718	7,583.2	
3' 10	33' 10	39.9%	65,287	1,554	247,140	247.14	249.31	183.33	20.18	2.00	498.6	45,706	7,583.2	
3' 11	33' 9	40.7%	66,700	1,588	252,485	252.49	254.70	183.33	20.19	2.04	519.6	46,694	7,583.2	
4' 0	33' 8	41.6%	68,112	1,622	257,831	257.83	260.10	183.33	20.19	2.08	541.0	47,684	7,583.2	
4' 1	33' 7	42.4%	69,524	1,655	263,177	263.18	265.49	183.33	20.19	2.12	562.8	48,672	7,583.2	
4' 2	33' 6	43.3%	70,936	1,689	268,523	268.52	270.88	183.33	20.19	2.17	587.8	49,660	7,583.2	
4' 3	33' 5	44.2%	72,348	1,723	273,869	273.87	276.28	183.33	20.19	2.21	610.6	50,650	7,583.2	
4' 4	33' 4	45.0%	73,761	1,756	279,214	279.21	281.67	183.33	20.19	2.25	633.8	51,639	7,583.2	
4' 5	33' 3	45.9%	75,173	1,790	284,560	284.56	287.06	183.33	20.19	2.29	657.4	52,627	7,583.2	
4' 6	33' 2	46.8%	76,585	1,823	289,906	289.91	292.45	183.33	20.19	2.33	681.4	53,615	7,583.2	
4' 7	33' 1	47.6%	77,997	1,857	295,252	295.25	297.85	183.33	20.19	2.38	708.9	54,605	7,583.2	
4' 8	33' 0	48.5%	79,410	1,891	300,598	300.60	303.24	183.33	20.20	2.42	733.8	55,593	7,583.2	
4' 9	32' 11	49.3%	80,822	1,924	305,944	305.94	308.63	183.33	20.20	2.46	759.2	56,581	7,583.2	
4' 10	32' 10	50.2%	82,234	1,958	311,289	311.29	314.03	183.33	20.20	2.50	785.1	57,571	7,583.2	
4' 11	32' 9	51.1%	83,646	1,992	316,635	316.64	319.42	183.33	20.20	2.54	811.3	58,559	7,583.2	
5' 0	32' 8	51.9%	85,058	2,025	321,981	321.98	324.81	183.33	20.20	2.58	838.0	59,547	7,583.2	
5' 1	32' 7	52.8%	86,471	2,059	327,327	327.33	330.20	183.33	20.20	2.63	868.4	60,536	7,583.2	
5' 2	32' 6	53.7%	87,878	2,092	332,656	332.66	335.58	183.33	20.20	2.67	896.0	61,522	6,807.6	
5' 3	32' 5	54.4%	89,141	2,122	337,434	337.43	340.40	183.33	20.23	2.70	919.1	62,406	4,225.8	
5' 4	32' 4	55.1%	90,203	2,148	341,454	341.45	344.46	183.33	20.28	2.74	943.8	63,150	2,396.4	
5' 5	32' 3	55.6%	91,064	2,168	344,716	344.72	347.75	183.33	20.35	2.76	959.8	63,753	1,189.9	
5' 6	32' 2	56.0%	91,726	2,184	347,221	347.22	350.27	183.33	20.42	2.78	973.8	64,215	476.7	

Tank		Ballast #3 STBD												
Specific Gravity		1.025												
Trim		0												
Capacity		163,798 Gallons												
Label(s)		Ball#3.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
5' 7	32' 1	56.3%	92,187	2,195	348,967	348.97	<b>352.03</b>	183.33	20.49	2.80	<b>985.7</b>	<b>64,538</b>	127.0	
5' 8	32' 0	56.4%	92,450	2,201	349,962	349.96	<b>353.04</b>	183.33	20.53	2.80	<b>988.5</b>	<b>64,723</b>	17.5	
5' 9	31' 11	56.6%	92,637	2,206	350,669	350.67	<b>353.75</b>	183.33	20.56	2.81	<b>994.0</b>	<b>64,853</b>	17.5	
5' 10	31' 10	56.7%	92,824	2,210	351,376	351.38	<b>354.46</b>	183.33	20.59	2.82	<b>999.6</b>	<b>64,983</b>	17.5	
5' 11	31' 9	56.8%	93,010	2,215	352,083	352.08	<b>355.18</b>	183.33	20.62	2.82	<b>1,001.6</b>	<b>65,115</b>	17.5	
6' 0	31' 8	56.9%	93,197	2,219	352,790	352.79	<b>355.89</b>	183.33	20.66	2.83	<b>1,007.2</b>	<b>65,245</b>	17.5	
6' 1	31' 7	57.0%	93,384	2,223	353,496	353.50	<b>356.60</b>	183.33	20.69	2.84	<b>1,012.7</b>	<b>65,375</b>	17.5	
6' 2	31' 6	57.1%	93,571	2,228	354,203	354.20	<b>357.32</b>	183.33	20.72	2.84	<b>1,014.8</b>	<b>65,507</b>	17.5	
6' 3	31' 5	57.2%	93,757	2,232	354,910	354.91	<b>358.03</b>	183.33	20.75	2.85	<b>1,020.4</b>	<b>65,638</b>	17.5	
6' 4	31' 4	57.4%	93,944	2,237	355,617	355.62	<b>358.74</b>	183.33	20.78	2.86	<b>1,026.0</b>	<b>65,768</b>	17.5	
6' 5	31' 3	57.5%	94,131	2,241	356,324	356.32	<b>359.46</b>	183.33	20.81	2.86	<b>1,028.1</b>	<b>65,900</b>	17.5	
6' 6	31' 2	57.6%	94,317	2,246	357,030	357.03	<b>360.17</b>	183.33	20.84	2.87	<b>1,033.7</b>	<b>66,030</b>	17.5	
6' 7	31' 1	57.7%	94,504	2,250	357,737	357.74	<b>360.88</b>	183.33	20.88	2.88	<b>1,039.3</b>	<b>66,160</b>	17.5	
6' 8	31' 0	57.8%	94,691	2,255	358,444	358.44	<b>361.59</b>	183.33	20.91	2.89	<b>1,045.0</b>	<b>66,290</b>	17.5	
6' 9	30' 11	57.9%	94,878	2,259	359,151	359.15	<b>362.31</b>	183.33	20.94	2.89	<b>1,047.1</b>	<b>66,422</b>	17.5	
6' 10	30' 10	58.0%	95,064	2,263	359,858	359.86	<b>363.02</b>	183.33	20.97	2.90	<b>1,052.8</b>	<b>66,552</b>	17.5	
6' 11	30' 9	58.2%	95,251	2,268	360,565	360.56	<b>363.73</b>	183.33	21.00	2.91	<b>1,058.5</b>	<b>66,683</b>	17.5	
7' 0	30' 8	58.3%	95,438	2,272	361,271	361.27	<b>364.45</b>	183.33	21.03	2.92	<b>1,064.2</b>	<b>66,815</b>	17.5	
7' 1	30' 7	58.4%	95,625	2,277	361,978	361.98	<b>365.16</b>	183.33	21.06	2.93	<b>1,069.9</b>	<b>66,945</b>	17.5	
7' 2	30' 6	58.5%	95,811	2,281	362,685	362.68	<b>365.87</b>	183.33	21.09	2.93	<b>1,072.0</b>	<b>67,075</b>	17.5	
7' 3	30' 5	58.6%	95,998	2,286	363,392	363.39	<b>366.59</b>	183.33	21.12	2.94	<b>1,077.8</b>	<b>67,207</b>	17.5	
7' 4	30' 4	58.7%	96,185	2,290	364,099	364.10	<b>367.30</b>	183.33	21.15	2.95	<b>1,083.5</b>	<b>67,337</b>	17.5	
7' 5	30' 3	58.8%	96,371	2,295	364,805	364.81	<b>368.01</b>	183.33	21.18	2.96	<b>1,089.3</b>	<b>67,467</b>	17.5	
7' 6	30' 2	58.9%	96,558	2,299	365,512	365.51	<b>368.72</b>	183.33	21.21	2.97	<b>1,095.1</b>	<b>67,597</b>	17.5	
7' 7	30' 1	59.1%	96,745	2,303	366,219	366.22	<b>369.44</b>	183.33	21.24	2.98	<b>1,100.9</b>	<b>67,729</b>	17.5	
7' 8	30' 0	59.2%	96,932	2,308	366,926	366.93	<b>370.15</b>	183.33	21.27	2.99	<b>1,106.7</b>	<b>67,860</b>	17.5	
7' 9	29' 11	59.3%	97,118	2,312	367,633	367.63	<b>370.86</b>	183.33	21.30	3.00	<b>1,112.6</b>	<b>67,990</b>	17.5	
7' 10	29' 10	59.4%	97,305	2,317	368,339	368.34	<b>371.58</b>	183.33	21.33	3.01	<b>1,118.5</b>	<b>68,122</b>	17.5	
7' 11	29' 9	59.5%	97,492	2,321	369,046	369.05	<b>372.29</b>	183.33	21.35	3.02	<b>1,124.3</b>	<b>68,252</b>	17.5	
8' 0	29' 8	59.6%	97,678	2,326	369,753	369.75	<b>373.0</b>	183.33	21.38	3.02	<b>1,126.5</b>	<b>68,382</b>	17.5	
8' 1	29' 7	59.7%	97,865	2,330	370,460	370.46	<b>373.72</b>	183.33	21.41	3.03	<b>1,132.4</b>	<b>68,514</b>	17.5	
8' 2	29' 6	59.9%	98,052	2,335	371,167	371.17	<b>374.43</b>	183.33	21.44	3.04	<b>1,138.3</b>	<b>68,644</b>	17.5	
8' 3	29' 5	60.0%	98,239	2,339	371,873	371.87	<b>375.14</b>	183.33	21.47	3.05	<b>1,144.2</b>	<b>68,774</b>	17.5	

Tank		Ballast #3 STBD												
Specific Gravity		1.025												
Trim		0												
Capacity		163,798 Gallons												
Label(s)		Ball#3.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
8' 4	29' 4	60.1%	98,425	2,343	372,580	372.58	<b>375.85</b>	183.33	21.50	3.06	<b>1,150.1</b>	<b>68,905</b>	17.5	
8' 5	29' 3	60.2%	98,612	2,348	373,287	373.29	<b>376.57</b>	183.33	21.53	3.07	<b>1,156.1</b>	<b>69,037</b>	17.5	
8' 6	29' 2	60.3%	98,799	2,352	373,994	373.99	<b>377.28</b>	183.33	21.56	3.09	<b>1,165.8</b>	<b>69,167</b>	17.5	
8' 7	29' 1	60.4%	98,985	2,357	374,701	374.70	<b>377.99</b>	183.33	21.58	3.10	<b>1,171.8</b>	<b>69,297</b>	17.5	
8' 8	29' 0	60.5%	99,172	2,361	375,407	375.41	<b>378.71</b>	183.33	21.61	3.11	<b>1,177.8</b>	<b>69,429</b>	17.5	
8' 9	28' 11	60.7%	99,359	2,366	376,114	376.11	<b>379.42</b>	183.33	21.64	3.12	<b>1,183.8</b>	<b>69,559</b>	17.5	
8' 10	28' 10	60.8%	99,546	2,370	376,821	376.82	<b>380.13</b>	183.33	21.67	3.13	<b>1,189.8</b>	<b>69,689</b>	17.5	
8' 11	28' 9	60.9%	99,732	2,375	377,528	377.53	<b>380.85</b>	183.33	21.70	3.14	<b>1,195.9</b>	<b>69,821</b>	17.5	
9' 0	28' 8	61.0%	99,919	2,379	378,235	378.23	<b>381.56</b>	183.33	21.72	3.15	<b>1,201.9</b>	<b>69,951</b>	17.5	
9' 1	28' 7	61.1%	100,106	2,383	378,942	378.94	<b>382.27</b>	183.33	21.75	3.16	<b>1,208.0</b>	<b>70,082</b>	17.5	
9' 2	28' 6	61.2%	100,293	2,388	379,648	379.65	<b>382.99</b>	183.33	21.78	3.17	<b>1,214.1</b>	<b>70,214</b>	17.5	
9' 3	28' 5	61.3%	100,479	2,392	380,355	380.36	<b>383.70</b>	183.33	21.81	3.18	<b>1,220.2</b>	<b>70,344</b>	17.5	
9' 4	28' 4	61.5%	100,666	2,397	381,062	381.06	<b>384.41</b>	183.33	21.83	3.20	<b>1,230.1</b>	<b>70,474</b>	17.5	
9' 5	28' 3	61.6%	100,853	2,401	381,769	381.77	<b>385.12</b>	183.33	21.86	3.21	<b>1,236.2</b>	<b>70,604</b>	17.5	
9' 6	28' 2	61.7%	101,039	2,406	382,475	382.48	<b>385.84</b>	183.33	21.89	3.22	<b>1,242.4</b>	<b>70,736</b>	17.5	
9' 7	28' 1	61.8%	101,226	2,410	383,182	383.18	<b>386.55</b>	183.33	21.91	3.23	<b>1,248.6</b>	<b>70,866</b>	17.5	
9' 8	28' 0	61.9%	101,413	2,415	383,889	383.89	<b>387.26</b>	183.33	21.94	3.24	<b>1,254.7</b>	<b>70,996</b>	17.5	
9' 9	27' 11	62.0%	101,600	2,419	384,596	384.60	<b>387.98</b>	183.33	21.97	3.25	<b>1,260.9</b>	<b>71,128</b>	17.5	
9' 10	27' 10	62.1%	101,786	2,423	385,303	385.30	<b>388.69</b>	183.33	21.99	3.27	<b>1,271.0</b>	<b>71,259</b>	17.5	
9' 11	27' 9	62.3%	101,973	2,428	386,009	386.01	<b>389.40</b>	183.33	22.02	3.28	<b>1,277.2</b>	<b>71,389</b>	17.5	
10' 0	27' 8	62.4%	102,160	2,432	386,716	386.72	<b>390.12</b>	183.33	22.05	3.29	<b>1,283.5</b>	<b>71,521</b>	17.5	
10' 1	27' 7	62.5%	102,346	2,437	387,423	387.42	<b>390.83</b>	183.33	22.07	3.30	<b>1,289.7</b>	<b>71,651</b>	17.5	
10' 2	27' 6	62.6%	102,533	2,441	388,130	388.13	<b>391.54</b>	183.33	22.10	3.32	<b>1,299.9</b>	<b>71,781</b>	17.5	
10' 3	27' 5	62.7%	102,720	2,446	388,837	388.84	<b>392.25</b>	183.33	22.13	3.33	<b>1,306.2</b>	<b>71,911</b>	17.5	
10' 4	27' 4	62.8%	102,907	2,450	389,543	389.54	<b>392.97</b>	183.33	22.15	3.34	<b>1,312.5</b>	<b>72,043</b>	17.5	
10' 5	27' 3	62.9%	103,093	2,455	390,250	390.25	<b>393.68</b>	183.33	22.18	3.35	<b>1,318.8</b>	<b>72,173</b>	17.5	
10' 6	27' 2	63.1%	103,280	2,459	390,957	390.96	<b>394.39</b>	183.33	22.20	3.37	<b>1,329.1</b>	<b>72,304</b>	17.5	
10' 7	27' 1	63.2%	103,467	2,463	391,664	391.66	<b>395.11</b>	183.33	22.23	3.38	<b>1,335.5</b>	<b>72,436</b>	17.5	
10' 8	27' 0	63.3%	103,653	2,468	392,371	392.37	<b>395.82</b>	183.33	22.26	3.39	<b>1,341.8</b>	<b>72,566</b>	17.5	
10' 9	26' 11	63.4%	103,840	2,472	393,078	393.08	<b>396.53</b>	183.33	22.28	3.41	<b>1,352.2</b>	<b>72,696</b>	17.5	
10' 10	26' 10	63.5%	104,027	2,477	393,784	393.78	<b>397.25</b>	183.33	22.31	3.42	<b>1,358.6</b>	<b>72,828</b>	17.5	
10' 11	26' 9	63.6%	104,214	2,481	394,491	394.49	<b>397.96</b>	183.33	22.33	3.43	<b>1,365.0</b>	<b>72,958</b>	17.5	
11' 0	26' 8	63.7%	104,400	2,486	395,198	395.20	<b>398.67</b>	183.33	22.36	3.45	<b>1,375.4</b>	<b>73,088</b>	17.5	

Tank		Ballast #3 STBD												
Specific Gravity		1.025												
Trim		0												
Capacity		163,798 Gallons												
Label(s)		Ball#3.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
11' 1	26' 7	63.9%	104,587	2,490	395,905	395.90	<b>399.38</b>	183.33	22.38	3.46	<b>1,381.9</b>	<b>73,218</b>	17.5	
11' 2	26' 6	64.0%	104,774	2,495	396,612	396.61	<b>400.10</b>	183.33	22.41	3.48	<b>1,392.3</b>	<b>73,350</b>	17.5	
11' 3	26' 5	64.1%	104,960	2,499	397,318	397.32	<b>400.81</b>	183.33	22.43	3.49	<b>1,398.8</b>	<b>73,480</b>	17.5	
11' 4	26' 4	64.2%	105,147	2,504	398,025	398.03	<b>401.52</b>	183.33	22.46	3.50	<b>1,405.3</b>	<b>73,611</b>	17.5	
11' 5	26' 3	64.3%	105,334	2,508	398,732	398.73	<b>402.24</b>	183.33	22.48	3.52	<b>1,415.9</b>	<b>73,743</b>	17.5	
11' 6	26' 2	64.4%	105,521	2,512	399,439	399.44	<b>402.95</b>	183.33	22.51	3.53	<b>1,422.4</b>	<b>73,873</b>	17.5	
11' 7	26' 1	64.5%	105,707	2,517	400,146	400.15	<b>403.66</b>	183.33	22.53	3.55	<b>1,433.0</b>	<b>74,003</b>	17.5	
11' 8	26' 0	64.6%	105,894	2,521	400,852	400.85	<b>404.38</b>	183.33	22.56	3.56	<b>1,439.6</b>	<b>74,135</b>	17.5	
11' 9	25' 11	64.8%	106,081	2,526	401,559	401.56	<b>405.09</b>	183.33	22.58	3.57	<b>1,446.2</b>	<b>74,265</b>	17.5	
11' 10	25' 10	64.9%	106,267	2,530	402,266	402.27	<b>405.80</b>	183.33	22.61	3.59	<b>1,456.8</b>	<b>74,395</b>	17.5	
11' 11	25' 9	65.0%	106,454	2,535	402,973	402.97	<b>406.51</b>	183.33	22.63	3.60	<b>1,463.4</b>	<b>74,525</b>	17.5	
12' 0	25' 8	65.1%	106,641	2,539	403,680	403.68	<b>407.23</b>	183.33	22.66	3.62	<b>1,474.2</b>	<b>74,657</b>	17.5	
12' 1	25' 7	65.2%	106,828	2,544	404,386	404.39	<b>407.94</b>	183.33	22.68	3.63	<b>1,480.8</b>	<b>74,788</b>	17.5	
12' 2	25' 6	65.3%	107,014	2,548	405,093	405.09	<b>408.65</b>	183.33	22.70	3.65	<b>1,491.6</b>	<b>74,918</b>	17.5	
12' 3	25' 5	65.4%	107,201	2,552	405,800	405.80	<b>409.37</b>	183.33	22.73	3.66	<b>1,498.3</b>	<b>75,050</b>	17.5	
12' 4	25' 4	65.6%	107,388	2,557	406,507	406.51	<b>410.08</b>	183.33	22.75	3.68	<b>1,509.1</b>	<b>75,180</b>	17.5	
12' 5	25' 3	65.7%	107,575	2,561	407,214	407.21	<b>410.79</b>	183.33	22.78	3.69	<b>1,515.8</b>	<b>75,310</b>	17.5	
12' 6	25' 2	65.8%	107,761	2,566	407,921	407.92	<b>411.51</b>	183.33	22.80	3.71	<b>1,526.7</b>	<b>75,442</b>	17.5	
12' 7	25' 1	65.9%	107,948	2,570	408,627	408.63	<b>412.22</b>	183.33	22.82	3.73	<b>1,537.6</b>	<b>75,572</b>	17.5	
12' 8	25' 0	66.0%	108,135	2,575	409,334	409.33	<b>412.93</b>	183.33	22.85	3.74	<b>1,544.4</b>	<b>75,702</b>	17.5	
12' 9	24' 11	66.1%	108,321	2,579	410,041	410.04	<b>413.64</b>	183.33	22.87	3.76	<b>1,555.3</b>	<b>75,833</b>	17.5	
12' 10	24' 10	66.2%	108,508	2,584	410,747	410.75	<b>414.36</b>	183.33	22.89	3.77	<b>1,562.1</b>	<b>75,965</b>	17.5	
12' 11	24' 9	66.4%	108,695	2,588	411,455	411.45	<b>415.07</b>	183.33	22.92	3.79	<b>1,573.1</b>	<b>76,095</b>	17.5	
13' 0	24' 8	66.5%	108,882	2,592	412,161	412.16	<b>415.78</b>	183.33	22.94	3.80	<b>1,580.0</b>	<b>76,225</b>	17.5	
13' 1	24' 7	66.6%	109,068	2,597	412,868	412.87	<b>416.50</b>	183.33	22.96	3.82	<b>1,591.0</b>	<b>76,357</b>	17.5	
13' 2	24' 6	66.7%	109,255	2,601	413,575	413.57	<b>417.21</b>	183.33	22.99	3.84	<b>1,602.1</b>	<b>76,487</b>	17.5	
13' 3	24' 5	66.8%	109,442	2,606	414,282	414.28	<b>417.92</b>	183.33	23.01	3.85	<b>1,609.0</b>	<b>76,617</b>	17.5	
13' 4	24' 4	66.9%	109,628	2,610	414,989	414.99	<b>418.64</b>	183.33	23.03	3.87	<b>1,620.1</b>	<b>76,749</b>	17.5	
13' 5	24' 3	67.0%	109,815	2,615	415,695	415.70	<b>419.35</b>	183.33	23.06	3.88	<b>1,627.1</b>	<b>76,879</b>	17.5	
13' 6	24' 2	67.2%	110,002	2,619	416,402	416.40	<b>420.06</b>	183.33	23.08	3.90	<b>1,638.2</b>	<b>77,010</b>	17.5	
13' 7	24' 1	67.3%	110,189	2,624	417,109	417.11	<b>420.77</b>	183.33	23.10	3.92	<b>1,649.4</b>	<b>77,140</b>	17.5	
13' 8	24' 0	67.4%	110,375	2,628	417,816	417.82	<b>421.49</b>	183.33	23.12	3.93	<b>1,656.5</b>	<b>77,272</b>	17.5	
13' 9	23' 11	67.5%	110,562	2,632	418,522	418.52	<b>422.20</b>	183.33	23.15	3.95	<b>1,667.7</b>	<b>77,402</b>	17.5	

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Label(s)		Ball#3.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
13' 10	23' 10	67.6%	110,749	2,637	419,229	419.23	<b>422.91</b>	183.33	23.17	3.97	<b>1,679.0</b>	<b>77,532</b>	17.5	
13' 11	23' 9	67.7%	110,935	2,641	419,936	419.94	<b>423.63</b>	183.33	23.19	3.98	<b>1,686.0</b>	<b>77,664</b>	17.5	
14' 0	23' 8	67.8%	111,122	2,646	420,643	420.64	<b>424.34</b>	183.33	23.21	4.00	<b>1,697.4</b>	<b>77,794</b>	17.5	
14' 1	23' 7	68.0%	111,309	2,650	421,350	421.35	<b>425.05</b>	183.33	23.24	4.02	<b>1,708.7</b>	<b>77,924</b>	17.5	
14' 2	23' 6	68.1%	111,496	2,655	422,056	422.06	<b>425.77</b>	183.33	23.26	4.04	<b>1,720.1</b>	<b>78,056</b>	17.5	
14' 3	23' 5	68.2%	111,682	2,659	422,763	422.76	<b>426.48</b>	183.33	23.28	4.05	<b>1,727.2</b>	<b>78,187</b>	17.5	
14' 4	23' 4	68.3%	111,869	2,664	423,470	423.47	<b>427.19</b>	183.33	23.30	4.07	<b>1,738.7</b>	<b>78,317</b>	17.5	
14' 5	23' 3	68.4%	112,056	2,668	424,177	424.18	<b>427.90</b>	183.33	23.33	4.09	<b>1,750.1</b>	<b>78,447</b>	17.5	
14' 6	23' 2	68.5%	112,242	2,672	424,884	424.88	<b>428.62</b>	183.33	23.35	4.10	<b>1,757.3</b>	<b>78,579</b>	17.5	
14' 7	23' 1	68.6%	112,429	2,677	425,590	425.59	<b>429.33</b>	183.33	23.37	4.12	<b>1,768.8</b>	<b>78,709</b>	17.5	
14' 8	23' 0	68.8%	112,616	2,681	426,297	426.30	<b>430.04</b>	183.33	23.39	4.14	<b>1,780.4</b>	<b>78,839</b>	17.5	
14' 9	22' 11	68.9%	112,803	2,686	427,004	427.0	<b>430.76</b>	183.33	23.41	4.16	<b>1,792.0</b>	<b>78,971</b>	17.5	
14' 10	22' 10	69.0%	112,989	2,690	427,711	427.71	<b>431.47</b>	183.33	23.43	4.17	<b>1,799.2</b>	<b>79,101</b>	17.5	
14' 11	22' 9	69.1%	113,176	2,695	428,418	428.42	<b>432.18</b>	183.33	23.46	4.19	<b>1,810.8</b>	<b>79,232</b>	17.5	
15' 0	22' 8	69.2%	113,363	2,699	429,125	429.12	<b>432.90</b>	183.33	23.48	4.21	<b>1,822.5</b>	<b>79,364</b>	17.5	
15' 1	22' 7	69.3%	113,549	2,704	429,831	429.83	<b>433.61</b>	183.33	23.50	4.23	<b>1,834.2</b>	<b>79,494</b>	17.5	
15' 2	22' 6	69.4%	113,736	2,708	430,538	430.54	<b>434.32</b>	183.33	23.52	4.25	<b>1,845.9</b>	<b>79,624</b>	17.5	
15' 3	22' 5	69.6%	113,923	2,712	431,245	431.25	<b>435.04</b>	183.33	23.54	4.26	<b>1,853.3</b>	<b>79,756</b>	17.5	
15' 4	22' 4	69.7%	114,110	2,717	431,952	431.95	<b>435.75</b>	183.33	23.56	4.28	<b>1,865.0</b>	<b>79,886</b>	17.5	
15' 5	22' 3	69.8%	114,296	2,721	432,659	432.66	<b>436.46</b>	183.33	23.58	4.30	<b>1,876.8</b>	<b>80,016</b>	17.5	
15' 6	22' 2	69.9%	114,483	2,726	433,365	433.37	<b>437.17</b>	183.33	23.61	4.32	<b>1,888.6</b>	<b>80,146</b>	17.5	
15' 7	22' 1	70.0%	114,670	2,730	434,072	434.07	<b>437.89</b>	183.33	23.63	4.34	<b>1,900.4</b>	<b>80,278</b>	17.5	
15' 8	22' 0	70.1%	114,856	2,735	434,779	434.78	<b>438.60</b>	183.33	23.65	4.36	<b>1,912.3</b>	<b>80,409</b>	17.5	
15' 9	21' 11	70.2%	115,043	2,739	435,486	435.49	<b>439.31</b>	183.33	23.67	4.37	<b>1,919.8</b>	<b>80,539</b>	17.5	
15' 10	21' 10	70.3%	115,230	2,744	436,193	436.19	<b>440.03</b>	183.33	23.69	4.39	<b>1,931.7</b>	<b>80,671</b>	17.5	
15' 11	21' 9	70.5%	115,417	2,748	436,899	436.90	<b>440.74</b>	183.33	23.71	4.41	<b>1,943.7</b>	<b>80,801</b>	17.5	
16' 0	21' 8	70.6%	115,603	2,752	437,606	437.61	<b>441.45</b>	183.33	23.73	4.43	<b>1,955.6</b>	<b>80,931</b>	17.5	
16' 1	21' 7	70.7%	115,790	2,757	438,313	438.31	<b>442.17</b>	183.33	23.75	4.45	<b>1,967.7</b>	<b>81,063</b>	17.5	
16' 2	21' 6	70.8%	115,977	2,761	439,020	439.02	<b>442.88</b>	183.33	23.77	4.47	<b>1,979.7</b>	<b>81,193</b>	17.5	
16' 3	21' 5	70.9%	116,164	2,766	439,727	439.73	<b>443.59</b>	183.33	23.79	4.49	<b>1,991.7</b>	<b>81,323</b>	17.5	
16' 4	21' 4	71.0%	116,350	2,770	440,433	440.43	<b>444.30</b>	183.33	23.81	4.51	<b>2,003.8</b>	<b>81,454</b>	17.5	
16' 5	21' 3	71.1%	116,537	2,775	441,140	441.14	<b>445.02</b>	183.33	23.83	4.53	<b>2,015.9</b>	<b>81,586</b>	17.5	
16' 6	21' 2	71.3%	116,724	2,779	441,847	441.85	<b>445.73</b>	183.33	23.85	4.55	<b>2,028.1</b>	<b>81,716</b>	17.5	

Tank		Ballast #3 STBD												
Specific Gravity		1.025												
Trim		0												
Capacity		163,798 Gallons												
Label(s)		Ball#3.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
16' 7	21' 1	71.4%	116,910	2,784	442,554	442.55	446.44	183.33	23.87	4.56	2,035.8	81,846	17.5	
16' 8	21' 0	71.5%	117,097	2,788	443,261	443.26	447.16	183.33	23.89	4.58	2,048.0	81,978	17.5	
16' 9	20' 11	71.6%	117,284	2,792	443,967	443.97	447.87	183.33	23.91	4.60	2,060.2	82,108	17.5	
16' 10	20' 10	71.7%	117,471	2,797	444,674	444.67	448.58	183.33	23.93	4.62	2,072.4	82,238	17.5	
16' 11	20' 9	71.8%	117,657	2,801	445,381	445.38	449.30	183.33	23.95	4.64	2,084.8	82,370	17.5	
17' 0	20' 8	71.9%	117,844	2,806	446,088	446.09	450.01	183.33	23.97	4.66	2,097.0	82,500	17.5	
17' 1	20' 7	72.1%	118,031	2,810	446,795	446.79	450.72	183.33	23.99	4.68	2,109.4	82,630	17.5	
17' 2	20' 6	72.2%	118,217	2,815	447,502	447.50	451.43	183.33	24.01	4.70	2,121.7	82,761	17.5	
17' 3	20' 5	72.3%	118,404	2,819	448,208	448.21	452.15	183.33	24.03	4.72	2,134.1	82,893	17.5	
17' 4	20' 4	72.4%	118,591	2,824	448,915	448.92	452.86	183.33	24.05	4.74	2,146.6	83,023	17.5	
17' 5	20' 3	72.5%	118,778	2,828	449,622	449.62	453.57	183.33	24.07	4.76	2,159.0	83,153	17.5	
17' 6	20' 2	72.6%	118,964	2,832	450,329	450.33	454.29	183.33	24.09	4.78	2,171.5	83,285	17.5	
17' 7	20' 1	72.7%	119,151	2,837	451,036	451.04	455.0	183.33	24.11	4.80	2,184.0	83,415	17.5	
17' 8	20' 0	72.9%	119,338	2,841	451,742	451.74	455.71	183.33	24.13	4.82	2,196.5	83,545	17.5	
17' 9	19' 11	73.0%	119,524	2,846	452,449	452.45	456.43	183.33	24.15	4.84	2,209.1	83,677	17.5	
17' 10	19' 10	73.1%	119,711	2,850	453,156	453.16	457.14	183.33	24.17	4.86	2,221.7	83,807	17.5	
17' 11	19' 9	73.2%	119,898	2,855	453,863	453.86	457.85	183.33	24.19	4.88	2,234.3	83,938	17.5	
18' 0	19' 8	73.3%	120,085	2,859	454,570	454.57	458.56	183.33	24.21	4.90	2,246.9	84,068	17.5	
18' 1	19' 7	73.4%	120,271	2,864	455,276	455.28	459.28	183.33	24.23	4.92	2,259.7	84,200	17.5	
18' 2	19' 6	73.5%	120,458	2,868	455,983	455.98	459.99	183.33	24.25	4.94	2,272.4	84,330	17.5	
18' 3	19' 5	73.7%	120,645	2,872	456,690	456.69	460.70	183.33	24.26	4.97	2,289.7	84,460	17.5	
18' 4	19' 4	73.8%	120,832	2,877	457,397	457.40	461.42	183.33	24.28	4.99	2,302.5	84,592	17.5	
18' 5	19' 3	73.9%	121,018	2,881	458,104	458.10	462.13	183.33	24.30	5.01	2,315.3	84,722	17.5	
18' 6	19' 2	74.0%	121,205	2,886	458,810	458.81	462.84	183.33	24.32	5.03	2,328.1	84,852	17.5	
18' 7	19' 1	74.1%	121,392	2,890	459,517	459.52	463.56	183.33	24.34	5.05	2,341.0	84,984	17.5	
18' 8	19' 0	74.2%	121,578	2,895	460,224	460.22	464.27	183.33	24.36	5.07	2,353.8	85,115	17.5	
18' 9	18' 11	74.3%	121,765	2,899	460,931	460.93	464.98	183.33	24.38	5.09	2,366.7	85,245	17.5	
18' 10	18' 10	74.5%	121,952	2,904	461,638	461.64	465.70	183.33	24.40	5.11	2,379.7	85,377	17.5	
18' 11	18' 9	74.6%	122,139	2,908	462,345	462.34	466.41	183.33	24.41	5.13	2,392.7	85,507	17.5	
19' 0	18' 8	74.7%	122,325	2,913	463,051	463.05	467.12	183.33	24.43	5.15	2,405.7	85,637	17.5	
19' 1	18' 7	74.8%	122,512	2,917	463,758	463.76	467.83	183.33	24.45	5.18	2,423.4	85,767	17.5	
19' 2	18' 6	74.9%	122,699	2,921	464,465	464.47	468.55	183.33	24.47	5.20	2,436.5	85,899	17.5	
19' 3	18' 5	75.0%	122,885	2,926	465,172	465.17	469.26	183.33	24.49	5.22	2,449.5	86,029	17.5	

Tank		Ballast #3 STBD												
Specific Gravity		1.025												
Trim		0												
Capacity		163,798 Gallons												
Label(s)		Ball#3.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
19' 4	18' 4	75.1%	123,072	2,930	465,879	465.88	<b>469.97</b>	183.33	24.51	5.24	<b>2,462.6</b>	<b>86,160</b>	17.5	
19' 5	18' 3	75.3%	123,259	2,935	466,585	466.59	<b>470.69</b>	183.33	24.52	5.26	<b>2,475.8</b>	<b>86,292</b>	17.5	
19' 6	18' 2	75.4%	123,446	2,939	467,292	467.29	<b>471.40</b>	183.33	24.54	5.28	<b>2,489.0</b>	<b>86,422</b>	17.5	
19' 7	18' 1	75.5%	123,632	2,944	467,999	468.0	<b>472.11</b>	183.33	24.56	5.30	<b>2,502.2</b>	<b>86,552</b>	17.5	
19' 8	18' 0	75.6%	123,819	2,948	468,706	468.71	<b>472.83</b>	183.33	24.58	5.33	<b>2,520.2</b>	<b>86,684</b>	17.5	
19' 9	17' 11	75.7%	124,006	2,953	469,413	469.41	<b>473.54</b>	183.33	24.60	5.35	<b>2,533.4</b>	<b>86,814</b>	17.5	
19' 10	17' 10	75.8%	124,192	2,957	470,119	470.12	<b>474.25</b>	183.33	24.61	5.37	<b>2,546.7</b>	<b>86,944</b>	17.5	
19' 11	17' 9	75.9%	124,379	2,961	470,826	470.83	<b>474.96</b>	183.33	24.63	5.39	<b>2,560.0</b>	<b>87,074</b>	17.5	
20' 0	17' 8	76.0%	124,566	2,966	471,533	471.53	<b>475.68</b>	183.33	24.65	5.41	<b>2,573.4</b>	<b>87,206</b>	17.5	
20' 1	17' 7	76.2%	124,753	2,970	472,240	472.24	<b>476.39</b>	183.33	24.67	5.44	<b>2,591.6</b>	<b>87,337</b>	17.5	
20' 2	17' 6	76.3%	124,939	2,975	472,947	472.95	<b>477.10</b>	183.33	24.69	5.46	<b>2,605.0</b>	<b>87,467</b>	17.5	
20' 3	17' 5	76.4%	125,126	2,979	473,653	473.65	<b>477.82</b>	183.33	24.70	5.48	<b>2,618.5</b>	<b>87,599</b>	17.5	
20' 4	17' 4	76.5%	125,313	2,984	474,361	474.36	<b>478.53</b>	183.33	24.72	5.50	<b>2,631.9</b>	<b>87,729</b>	17.5	
20' 5	17' 3	76.6%	125,500	2,988	475,067	475.07	<b>479.24</b>	183.33	24.74	5.52	<b>2,645.4</b>	<b>87,859</b>	17.5	
20' 6	17' 2	76.7%	125,686	2,993	475,774	475.77	<b>479.96</b>	183.33	24.76	5.55	<b>2,663.8</b>	<b>87,991</b>	17.5	
20' 7	17' 1	76.8%	125,873	2,997	476,481	476.48	<b>480.67</b>	183.33	24.77	5.57	<b>2,677.3</b>	<b>88,121</b>	17.5	
20' 8	17' 0	77.0%	126,060	3,001	477,187	477.19	<b>481.38</b>	183.33	24.79	5.59	<b>2,690.9</b>	<b>88,251</b>	17.5	
20' 9	16' 11	77.1%	126,246	3,006	477,895	477.89	<b>482.09</b>	183.33	24.81	5.61	<b>2,704.5</b>	<b>88,382</b>	17.5	
20' 10	16' 10	77.2%	126,433	3,010	478,601	478.60	<b>482.81</b>	183.33	24.83	5.64	<b>2,723.0</b>	<b>88,514</b>	17.5	
20' 11	16' 9	77.3%	126,620	3,015	479,308	479.31	<b>483.52</b>	183.33	24.84	5.66	<b>2,736.7</b>	<b>88,644</b>	17.5	
21' 0	16' 8	77.4%	126,807	3,019	480,015	480.01	<b>484.23</b>	183.33	24.86	5.68	<b>2,750.4</b>	<b>88,774</b>	17.5	
21' 1	16' 7	77.5%	126,993	3,024	480,722	480.72	<b>484.95</b>	183.33	24.88	5.71	<b>2,769.1</b>	<b>88,906</b>	17.5	
21' 2	16' 6	77.6%	127,180	3,028	481,428	481.43	<b>485.66</b>	183.33	24.89	5.73	<b>2,782.8</b>	<b>89,036</b>	17.5	
21' 3	16' 5	77.8%	127,367	3,033	482,135	482.14	<b>486.37</b>	183.33	24.91	5.75	<b>2,796.6</b>	<b>89,166</b>	17.5	
21' 4	16' 4	77.9%	127,553	3,037	482,842	482.84	<b>487.09</b>	183.33	24.93	5.77	<b>2,810.5</b>	<b>89,298</b>	17.5	
21' 5	16' 3	78.0%	127,740	3,041	483,549	483.55	<b>487.80</b>	183.33	24.95	5.80	<b>2,829.2</b>	<b>89,428</b>	17.5	
21' 6	16' 2	78.1%	127,927	3,046	484,256	484.26	<b>488.51</b>	183.33	24.96	5.82	<b>2,843.1</b>	<b>89,559</b>	17.5	
21' 7	16' 1	78.2%	128,114	3,050	484,962	484.96	<b>489.22</b>	183.33	24.98	5.84	<b>2,857.0</b>	<b>89,689</b>	17.5	
21' 8	16' 0	78.3%	128,300	3,055	485,669	485.67	<b>489.94</b>	183.33	25.00	5.87	<b>2,875.9</b>	<b>89,821</b>	17.5	
21' 9	15' 11	78.4%	128,487	3,059	486,376	486.38	<b>490.65</b>	183.33	25.01	5.89	<b>2,889.9</b>	<b>89,951</b>	17.5	
21' 10	15' 10	78.6%	128,674	3,064	487,083	487.08	<b>491.36</b>	183.33	25.03	5.91	<b>2,903.9</b>	<b>90,081</b>	17.5	
21' 11	15' 9	78.7%	128,860	3,068	487,790	487.79	<b>492.08</b>	183.33	25.05	5.94	<b>2,923.0</b>	<b>90,213</b>	17.5	
22' 0	15' 8	78.8%	129,047	3,073	488,496	488.50	<b>492.79</b>	183.33	25.06	5.96	<b>2,937.0</b>	<b>90,343</b>	17.5	



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Trim		0												
Capacity		163,798 Gallons												
Label(s)		Ball#3.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
22' 1	15' 7	78.9%	129,234	3,077	489,204	489.20	<b>493.50</b>	183.33	25.08	5.98	<b>2,951.1</b>	<b>90,473</b>	17.5	
22' 2	15' 6	79.0%	129,421	3,081	489,910	489.91	<b>494.22</b>	183.33	25.10	6.01	<b>2,970.3</b>	<b>90,605</b>	17.5	
22' 3	15' 5	79.1%	129,607	3,086	490,617	490.62	<b>494.93</b>	183.33	25.11	6.03	<b>2,984.4</b>	<b>90,736</b>	17.5	
22' 4	15' 4	79.2%	129,794	3,090	491,324	491.32	<b>495.64</b>	183.33	25.13	6.05	<b>2,998.6</b>	<b>90,866</b>	17.5	
22' 5	15' 3	79.4%	129,981	3,095	492,031	492.03	<b>496.36</b>	183.33	25.15	6.08	<b>3,017.9</b>	<b>90,998</b>	17.5	
22' 6	15' 2	79.5%	130,168	3,099	492,738	492.74	<b>497.07</b>	183.33	25.16	6.10	<b>3,032.1</b>	<b>91,128</b>	17.5	
22' 7	15' 1	79.6%	130,354	3,104	493,444	493.44	<b>497.78</b>	183.33	25.18	6.12	<b>3,046.4</b>	<b>91,258</b>	17.5	
22' 8	15' 0	79.7%	130,541	3,108	494,151	494.15	<b>498.49</b>	183.33	25.19	6.15	<b>3,065.7</b>	<b>91,388</b>	17.5	
22' 9	14' 11	79.8%	130,728	3,113	494,858	494.86	<b>499.21</b>	183.33	25.21	6.17	<b>3,080.1</b>	<b>91,520</b>	17.5	
22' 10	14' 10	79.9%	130,914	3,117	495,565	495.56	<b>499.92</b>	183.33	25.23	6.19	<b>3,094.5</b>	<b>91,650</b>	17.5	
22' 11	14' 9	80.0%	131,101	3,121	496,272	496.27	<b>500.63</b>	183.33	25.24	6.22	<b>3,113.9</b>	<b>91,780</b>	17.5	
23' 0	14' 8	80.2%	131,288	3,126	496,978	496.98	<b>501.35</b>	183.33	25.26	6.24	<b>3,128.4</b>	<b>91,912</b>	17.5	
23' 1	14' 7	80.3%	131,475	3,130	497,685	497.69	<b>502.06</b>	183.33	25.27	6.27	<b>3,147.9</b>	<b>92,043</b>	17.5	
23' 2	14' 6	80.4%	131,661	3,135	498,392	498.39	<b>502.77</b>	183.33	25.29	6.29	<b>3,162.4</b>	<b>92,173</b>	17.5	
23' 3	14' 5	80.5%	131,848	3,139	499,099	499.10	<b>503.49</b>	183.33	25.31	6.31	<b>3,177.0</b>	<b>92,305</b>	17.5	
23' 4	14' 4	80.6%	132,035	3,144	499,806	499.81	<b>504.20</b>	183.33	25.32	6.34	<b>3,196.6</b>	<b>92,435</b>	17.5	
23' 5	14' 3	80.7%	132,221	3,148	500,512	500.51	<b>504.91</b>	183.33	25.34	6.36	<b>3,211.2</b>	<b>92,565</b>	17.5	
23' 6	14' 2	80.8%	132,408	3,153	501,219	501.22	<b>505.62</b>	183.33	25.35	6.39	<b>3,230.9</b>	<b>92,695</b>	17.5	
23' 7	14' 1	81.0%	132,595	3,157	501,926	501.93	<b>506.34</b>	183.33	25.37	6.41	<b>3,245.6</b>	<b>92,827</b>	17.5	
23' 8	14' 0	81.1%	132,782	3,161	502,633	502.63	<b>507.05</b>	183.33	25.39	6.44	<b>3,265.4</b>	<b>92,957</b>	17.5	
23' 9	13' 11	81.2%	132,968	3,166	503,340	503.34	<b>507.76</b>	183.33	25.40	6.46	<b>3,280.1</b>	<b>93,088</b>	17.5	
23' 10	13' 10	81.3%	133,155	3,170	504,047	504.05	<b>508.48</b>	183.33	25.42	6.48	<b>3,295.0</b>	<b>93,220</b>	17.5	
23' 11	13' 9	81.4%	133,342	3,175	504,753	504.75	<b>509.19</b>	183.33	25.43	6.51	<b>3,314.8</b>	<b>93,350</b>	17.5	
24' 0	13' 8	81.5%	133,528	3,179	505,460	505.46	<b>509.90</b>	183.33	25.45	6.53	<b>3,329.6</b>	<b>93,480</b>	17.5	
24' 1	13' 7	81.6%	133,715	3,184	506,167	506.17	<b>510.62</b>	183.33	25.46	6.56	<b>3,349.7</b>	<b>93,612</b>	17.5	
24' 2	13' 6	81.7%	133,902	3,188	506,874	506.87	<b>511.33</b>	183.33	25.48	6.58	<b>3,364.6</b>	<b>93,742</b>	17.5	
24' 3	13' 5	81.9%	134,089	3,193	507,581	507.58	<b>512.04</b>	183.33	25.49	6.61	<b>3,384.6</b>	<b>93,872</b>	17.5	
24' 4	13' 4	82.0%	134,275	3,197	508,287	508.29	<b>512.75</b>	183.33	25.51	6.63	<b>3,399.5</b>	<b>94,002</b>	17.5	
24' 5	13' 3	82.1%	134,462	3,201	508,994	508.99	<b>513.47</b>	183.33	25.52	6.66	<b>3,419.7</b>	<b>94,134</b>	17.5	
24' 6	13' 2	82.2%	134,649	3,206	509,701	509.70	<b>514.18</b>	183.33	25.54	6.68	<b>3,434.7</b>	<b>94,265</b>	17.5	
24' 7	13' 1	82.3%	134,836	3,210	510,408	510.41	<b>514.89</b>	183.33	25.55	6.71	<b>3,454.9</b>	<b>94,395</b>	17.5	
24' 8	13' 0	82.4%	135,022	3,215	511,115	511.11	<b>515.61</b>	183.33	25.57	6.73	<b>3,470.1</b>	<b>94,527</b>	17.5	
24' 9	12' 11	82.5%	135,209	3,219	511,821	511.82	<b>516.32</b>	183.33	25.58	6.76	<b>3,490.3</b>	<b>94,657</b>	17.5	

Tank		Ballast #3 STBD											
Specific Gravity		1.025											
Trim		0											
Capacity		163,798 Gallons											
Label(s)		Ball#3.s											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
24' 10	12' 10	82.7%	135,396	3,224	512,528	512.53	<b>517.03</b>	183.33	25.60	6.78	<b>3,505.5</b>	<b>94,787</b>	17.5
24' 11	12' 9	82.8%	135,582	3,228	513,235	513.23	<b>517.75</b>	183.33	25.62	6.81	<b>3,525.9</b>	<b>94,919</b>	17.5
25' 0	12' 8	82.9%	135,769	3,233	513,942	513.94	<b>518.46</b>	183.33	25.63	6.83	<b>3,541.1</b>	<b>95,049</b>	17.5
25' 1	12' 7	83.0%	135,956	3,237	514,649	514.65	<b>519.17</b>	183.33	25.65	6.86	<b>3,561.5</b>	<b>95,179</b>	17.5
25' 2	12' 6	83.1%	136,143	3,241	515,355	515.36	<b>519.88</b>	183.33	25.66	6.88	<b>3,576.8</b>	<b>95,310</b>	17.5
25' 3	12' 5	83.2%	136,329	3,246	516,062	516.06	<b>520.60</b>	183.33	25.67	6.91	<b>3,597.3</b>	<b>95,442</b>	17.5
25' 4	12' 4	83.3%	136,516	3,250	516,769	516.77	<b>521.31</b>	183.33	25.69	6.93	<b>3,612.7</b>	<b>95,572</b>	17.5
25' 5	12' 3	83.5%	136,703	3,255	517,476	517.48	<b>522.02</b>	183.33	25.70	6.96	<b>3,633.3</b>	<b>95,702</b>	17.5
25' 6	12' 2	83.6%	136,889	3,259	518,183	518.18	<b>522.74</b>	183.33	25.72	6.98	<b>3,648.7</b>	<b>95,834</b>	17.5
25' 7	12' 1	83.7%	137,076	3,264	518,889	518.89	<b>523.45</b>	183.33	25.73	7.01	<b>3,669.4</b>	<b>95,964</b>	17.5
25' 8	12' 0	83.8%	137,263	3,268	519,596	519.60	<b>524.16</b>	183.33	25.75	7.03	<b>3,684.8</b>	<b>96,094</b>	17.5
25' 9	11' 11	83.9%	137,450	3,273	520,303	520.30	<b>524.88</b>	183.33	25.76	7.06	<b>3,705.7</b>	<b>96,226</b>	17.5
25' 10	11' 10	84.0%	137,636	3,277	521,010	521.01	<b>525.59</b>	183.33	25.78	7.09	<b>3,726.4</b>	<b>96,356</b>	17.5
25' 11	11' 9	84.1%	137,823	3,282	521,717	521.72	<b>526.30</b>	183.33	25.79	7.11	<b>3,742.0</b>	<b>96,487</b>	17.5
26' 0	11' 8	84.3%	138,010	3,286	522,424	522.42	<b>527.02</b>	183.33	25.81	7.14	<b>3,762.9</b>	<b>96,619</b>	17.5
26' 1	11' 7	84.4%	138,196	3,290	523,130	523.13	<b>527.73</b>	183.33	25.82	7.16	<b>3,778.5</b>	<b>96,749</b>	17.5
26' 2	11' 6	84.5%	138,383	3,295	523,837	523.84	<b>528.44</b>	183.33	25.84	7.19	<b>3,799.5</b>	<b>96,879</b>	17.5
26' 3	11' 5	84.6%	138,570	3,299	524,544	524.54	<b>529.15</b>	183.33	25.85	7.21	<b>3,815.2</b>	<b>97,009</b>	17.5
26' 4	11' 4	84.7%	138,757	3,304	525,251	525.25	<b>529.87</b>	183.33	25.86	7.24	<b>3,836.3</b>	<b>97,141</b>	17.5
26' 5	11' 3	84.8%	138,943	3,308	525,958	525.96	<b>530.58</b>	183.33	25.88	7.27	<b>3,857.3</b>	<b>97,271</b>	17.5
26' 6	11' 2	84.9%	139,130	3,313	526,664	526.66	<b>531.29</b>	183.33	25.89	7.29	<b>3,873.1</b>	<b>97,401</b>	17.5
26' 7	11' 1	85.1%	139,317	3,317	527,371	527.37	<b>532.01</b>	183.33	25.91	7.32	<b>3,894.3</b>	<b>97,533</b>	17.5
26' 8	11' 0	85.2%	139,504	3,322	528,078	528.08	<b>532.72</b>	183.33	25.92	7.34	<b>3,910.2</b>	<b>97,664</b>	17.5
26' 9	10' 11	85.3%	139,690	3,326	528,785	528.78	<b>533.43</b>	183.33	25.94	7.37	<b>3,931.4</b>	<b>97,794</b>	17.5
26' 10	10' 10	85.4%	139,877	3,330	529,492	529.49	<b>534.15</b>	183.33	25.95	7.39	<b>3,947.4</b>	<b>97,926</b>	17.5
26' 11	10' 9	85.5%	140,064	3,335	530,198	530.20	<b>534.86</b>	183.33	25.96	7.42	<b>3,968.7</b>	<b>98,056</b>	17.5
27' 0	10' 8	85.6%	140,250	3,339	530,906	530.91	<b>535.57</b>	183.33	25.98	7.45	<b>3,990.0</b>	<b>98,186</b>	17.5
27' 1	10' 7	85.7%	140,437	3,344	531,612	531.61	<b>536.28</b>	183.33	25.99	7.47	<b>4,006.0</b>	<b>98,316</b>	17.5
27' 2	10' 6	85.9%	140,624	3,348	532,319	532.32	<b>537.0</b>	183.33	26.01	7.50	<b>4,027.5</b>	<b>98,448</b>	17.5
27' 3	10' 5	86.0%	140,811	3,353	533,026	533.03	<b>537.71</b>	183.33	26.02	7.53	<b>4,049.0</b>	<b>98,578</b>	17.5
27' 4	10' 4	86.1%	140,997	3,357	533,732	533.73	<b>538.42</b>	183.33	26.03	7.55	<b>4,065.1</b>	<b>98,709</b>	17.5
27' 5	10' 3	86.2%	141,184	3,362	534,439	534.44	<b>539.14</b>	183.33	26.05	7.58	<b>4,086.7</b>	<b>98,841</b>	17.5
27' 6	10' 2	86.3%	141,371	3,366	535,146	535.15	<b>539.85</b>	183.33	26.06	7.60	<b>4,102.9</b>	<b>98,971</b>	17.5

Tank		Ballast #3 STBD											
Specific Gravity		1.025											
Trim		0											
Capacity		163,798 Gallons											
Label(s)		Ball#3.s											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
27' 7	10' 1	86.4%	141,557	3,370	535,853	535.85	540.56	183.33	26.08	7.63	4,124.5	99,101	17.5
27' 8	10' 0	86.5%	141,744	3,375	536,560	536.56	541.28	183.33	26.09	7.66	4,146.2	99,233	17.5
27' 9	9' 11	86.6%	141,931	3,379	537,267	537.27	541.99	183.33	26.10	7.68	4,162.5	99,363	17.5
27' 10	9' 10	86.8%	142,118	3,384	537,974	537.97	542.70	183.33	26.12	7.71	4,184.2	99,493	17.5
27' 11	9' 9	86.9%	142,304	3,388	538,680	538.68	543.41	183.33	26.13	7.74	4,206.0	99,623	17.5
28' 0	9' 8	87.0%	142,491	3,393	539,387	539.39	544.13	183.33	26.14	7.76	4,222.4	99,755	17.5
28' 1	9' 7	87.1%	142,678	3,397	540,094	540.09	544.84	183.33	26.16	7.79	4,244.3	99,886	17.5
28' 2	9' 6	87.2%	142,864	3,402	540,801	540.80	545.55	183.33	26.17	7.82	4,266.2	100,016	17.5
28' 3	9' 5	87.3%	143,051	3,406	541,507	541.51	546.27	183.33	26.18	7.84	4,282.8	100,148	17.5
28' 4	9' 4	87.4%	143,238	3,410	542,214	542.21	546.98	183.33	26.20	7.87	4,304.7	100,278	17.5
28' 5	9' 3	87.6%	143,425	3,415	542,921	542.92	547.69	183.33	26.21	7.90	4,326.8	100,408	17.5
28' 6	9' 2	87.7%	143,611	3,419	543,628	543.63	548.41	183.33	26.22	7.92	4,343.4	100,540	17.5
28' 7	9' 1	87.8%	143,798	3,424	544,335	544.33	549.12	183.33	26.24	7.95	4,365.5	100,670	17.5
28' 8	9' 0	87.9%	143,985	3,428	545,041	545.04	549.83	183.33	26.25	7.98	4,387.6	100,800	17.5
28' 9	8' 11	88.0%	144,172	3,433	545,748	545.75	550.54	183.33	26.26	8.01	4,409.8	100,930	17.5
28' 10	8' 10	88.1%	144,358	3,437	546,455	546.46	551.26	183.33	26.28	8.03	4,426.6	101,062	17.5
28' 11	8' 9	88.2%	144,545	3,442	547,162	547.16	551.97	183.33	26.29	8.06	4,448.9	101,193	17.5
29' 0	8' 8	88.4%	144,732	3,446	547,869	547.87	552.68	183.33	26.30	8.09	4,471.2	101,323	17.5
29' 1	8' 7	88.5%	144,918	3,450	548,576	548.58	553.40	183.33	26.32	8.11	4,488.1	101,455	17.5
29' 2	8' 6	88.6%	145,105	3,455	549,283	549.28	554.11	183.33	26.33	8.14	4,510.5	101,585	17.5
29' 3	8' 5	88.7%	145,292	3,459	549,989	549.99	554.82	183.33	26.34	8.17	4,532.9	101,715	17.5
29' 4	8' 4	88.8%	145,479	3,464	550,696	550.70	555.54	183.33	26.36	8.20	4,555.4	101,847	17.5
29' 5	8' 3	88.9%	145,665	3,468	551,403	551.40	556.25	183.33	26.37	8.22	4,572.4	101,977	17.5
29' 6	8' 2	89.0%	145,852	3,473	552,110	552.11	556.96	183.33	26.38	8.25	4,594.9	102,107	17.5
29' 7	8' 1	89.2%	146,039	3,477	552,817	552.82	557.68	183.33	26.40	8.28	4,617.6	102,239	17.5
29' 8	8' 0	89.3%	146,225	3,482	553,523	553.52	558.39	183.33	26.41	8.30	4,634.6	102,370	17.5
29' 9	7' 11	89.4%	146,412	3,486	554,230	554.23	559.10	183.33	26.42	8.33	4,657.3	102,500	17.5
29' 10	7' 10	89.5%	146,599	3,490	554,937	554.94	559.81	183.33	26.43	8.36	4,680.0	102,630	17.5
29' 11	7' 9	89.6%	146,786	3,495	555,644	555.64	560.53	183.33	26.45	8.39	4,702.8	102,762	17.5
30' 0	7' 8	89.7%	146,972	3,499	556,351	556.35	561.24	183.33	26.46	8.41	4,720.0	102,892	17.5
30' 1	7' 7	89.8%	147,159	3,504	557,057	557.06	561.95	183.33	26.47	8.44	4,742.9	103,022	17.5
30' 2	7' 6	90.0%	147,346	3,508	557,764	557.76	562.67	183.33	26.49	8.47	4,765.8	103,154	17.5
30' 3	7' 5	90.1%	147,532	3,513	558,471	558.47	563.38	183.33	26.50	8.50	4,788.7	103,284	17.5

Tank		Ballast #3 STBD												
Specific Gravity		1.025												
Trim		0												
Capacity		163,798 Gallons												
Label(s)		Ball#3.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
30' 4	7' 4	90.2%	147,719	3,517	559,178	559.18	<b>564.09</b>	183.33	26.51	8.52	<b>4,806.0</b>	<b>103,415</b>	17.5	
30' 5	7' 3	90.3%	147,906	3,522	559,885	559.88	<b>564.81</b>	183.33	26.52	8.55	<b>4,829.1</b>	<b>103,547</b>	17.5	
30' 6	7' 2	90.4%	148,093	3,526	560,591	560.59	<b>565.52</b>	183.33	26.54	8.58	<b>4,852.2</b>	<b>103,677</b>	17.5	
30' 7	7' 1	90.5%	148,279	3,530	561,298	561.30	<b>566.23</b>	183.33	26.55	8.61	<b>4,875.2</b>	<b>103,807</b>	17.5	
30' 8	7' 0	90.6%	148,466	3,535	562,005	562.0	<b>566.94</b>	183.33	26.56	8.64	<b>4,898.4</b>	<b>103,937</b>	17.5	
30' 9	6' 11	90.8%	148,653	3,539	562,712	562.71	<b>567.66</b>	183.33	26.57	8.66	<b>4,915.9</b>	<b>104,069</b>	17.5	
30' 10	6' 10	90.9%	148,840	3,544	563,419	563.42	<b>568.37</b>	183.33	26.59	8.69	<b>4,939.1</b>	<b>104,199</b>	17.5	
30' 11	6' 9	91.0%	149,026	3,548	564,126	564.13	<b>569.08</b>	183.33	26.60	8.72	<b>4,962.4</b>	<b>104,329</b>	17.5	
31' 0	6' 8	91.1%	149,213	3,553	564,832	564.83	<b>569.80</b>	183.33	26.61	8.75	<b>4,985.8</b>	<b>104,461</b>	17.5	
31' 1	6' 7	91.2%	149,400	3,557	565,539	565.54	<b>570.51</b>	183.33	26.62	8.78	<b>5,009.1</b>	<b>104,592</b>	17.5	
31' 2	6' 6	91.3%	149,586	3,562	566,246	566.25	<b>571.22</b>	183.33	26.64	8.80	<b>5,026.7</b>	<b>104,722</b>	17.5	
31' 3	6' 5	91.4%	149,773	3,566	566,953	566.95	<b>571.94</b>	183.33	26.65	8.83	<b>5,050.2</b>	<b>104,854</b>	17.5	
31' 4	6' 4	91.6%	149,960	3,570	567,660	567.66	<b>572.65</b>	183.33	26.66	8.86	<b>5,073.7</b>	<b>104,984</b>	17.5	
31' 5	6' 3	91.7%	150,147	3,575	568,366	568.37	<b>573.36</b>	183.33	26.67	8.89	<b>5,097.2</b>	<b>105,114</b>	17.5	
31' 6	6' 2	91.8%	150,333	3,579	569,073	569.07	<b>574.07</b>	183.33	26.69	8.92	<b>5,120.7</b>	<b>105,244</b>	17.5	
31' 7	6' 1	91.9%	150,520	3,584	569,780	569.78	<b>574.79</b>	183.33	26.70	8.94	<b>5,138.6</b>	<b>105,376</b>	17.5	
31' 8	6' 0	92.0%	150,707	3,588	570,487	570.49	<b>575.50</b>	183.33	26.71	8.97	<b>5,162.2</b>	<b>105,506</b>	17.5	
31' 9	5' 11	92.1%	150,893	3,593	571,194	571.19	<b>576.21</b>	183.33	26.72	9.00	<b>5,185.9</b>	<b>105,637</b>	17.5	
31' 10	5' 10	92.2%	151,080	3,597	571,900	571.90	<b>576.93</b>	183.33	26.73	9.03	<b>5,209.7</b>	<b>105,769</b>	17.5	
31' 11	5' 9	92.3%	151,267	3,602	572,607	572.61	<b>577.64</b>	183.33	26.75	9.06	<b>5,233.4</b>	<b>105,899</b>	17.5	
32' 0	5' 8	92.5%	151,454	3,606	573,314	573.31	<b>578.35</b>	183.33	26.76	9.09	<b>5,257.2</b>	<b>106,029</b>	17.5	
32' 1	5' 7	92.6%	151,640	3,610	574,021	574.02	<b>579.07</b>	183.33	26.77	9.11	<b>5,275.3</b>	<b>106,161</b>	17.5	
32' 2	5' 6	92.7%	151,827	3,615	574,728	574.73	<b>579.78</b>	183.33	26.78	9.14	<b>5,299.2</b>	<b>106,291</b>	17.5	
32' 3	5' 5	92.8%	152,014	3,619	575,434	575.43	<b>580.49</b>	183.33	26.79	9.17	<b>5,323.1</b>	<b>106,421</b>	17.5	
32' 4	5' 4	92.9%	152,200	3,624	576,141	576.14	<b>581.21</b>	183.33	26.81	9.20	<b>5,347.1</b>	<b>106,553</b>	17.5	
32' 5	5' 3	93.0%	152,387	3,628	576,848	576.85	<b>581.92</b>	183.33	26.82	9.23	<b>5,371.1</b>	<b>106,683</b>	17.5	
32' 6	5' 2	93.1%	152,574	3,633	577,555	577.55	<b>582.63</b>	183.33	26.83	9.26	<b>5,395.2</b>	<b>106,814</b>	17.5	
32' 7	5' 1	93.3%	152,761	3,637	578,262	578.26	<b>583.34</b>	183.33	26.84	9.28	<b>5,413.4</b>	<b>106,944</b>	17.5	
32' 8	5' 0	93.4%	152,947	3,642	578,969	578.97	<b>584.06</b>	183.33	26.85	9.31	<b>5,437.6</b>	<b>107,076</b>	17.5	
32' 9	4' 11	93.5%	153,134	3,646	579,675	579.68	<b>584.77</b>	183.33	26.86	9.34	<b>5,461.8</b>	<b>107,206</b>	17.5	
32' 10	4' 10	93.6%	153,321	3,650	580,382	580.38	<b>585.48</b>	183.33	26.88	9.37	<b>5,485.9</b>	<b>107,336</b>	17.5	
32' 11	4' 9	93.7%	153,507	3,655	581,089	581.09	<b>586.20</b>	183.33	26.89	9.40	<b>5,510.3</b>	<b>107,468</b>	17.5	
33' 0	4' 8	93.8%	153,694	3,659	581,795	581.80	<b>586.91</b>	183.33	26.90	9.43	<b>5,534.6</b>	<b>107,598</b>	17.5	

Tank		Ballast #3 STBD												
Specific Gravity		1.025												
Trim		0												
Capacity		163,798 Gallons												
Label(s)		Ball#3.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
33' 1	4' 7	93.9%	153,881	3,664	582,502	582.50	<b>587.62</b>	183.33	26.91	9.46	<b>5,558.9</b>	<b>107,728</b>	17.5	
33' 2	4' 6	94.1%	154,068	3,668	583,209	583.21	<b>588.33</b>	183.33	26.92	9.49	<b>5,583.3</b>	<b>107,859</b>	17.5	
33' 3	4' 5	94.2%	154,254	3,673	583,916	583.92	<b>589.05</b>	183.33	26.94	9.51	<b>5,601.9</b>	<b>107,991</b>	17.5	
33' 4	4' 4	94.3%	154,441	3,677	584,623	584.62	<b>589.76</b>	183.33	26.95	9.54	<b>5,626.3</b>	<b>108,121</b>	17.5	
33' 5	4' 3	94.4%	154,628	3,682	585,330	585.33	<b>590.47</b>	183.33	26.96	9.57	<b>5,650.8</b>	<b>108,251</b>	17.5	
33' 6	4' 2	94.5%	154,814	3,686	586,036	586.04	<b>591.19</b>	183.33	26.97	9.60	<b>5,675.4</b>	<b>108,383</b>	17.5	
33' 7	4' 1	94.6%	155,001	3,691	586,743	586.74	<b>591.90</b>	183.33	26.98	9.63	<b>5,700.0</b>	<b>108,513</b>	17.5	
33' 8	4' 0	94.7%	155,188	3,695	587,450	587.45	<b>592.61</b>	183.33	26.99	9.66	<b>5,724.6</b>	<b>108,643</b>	17.5	
33' 9	3' 11	94.9%	155,375	3,699	588,157	588.16	<b>593.33</b>	183.33	27.00	9.69	<b>5,749.4</b>	<b>108,775</b>	17.5	
33' 10	3' 10	95.0%	155,561	3,704	588,864	588.86	<b>594.04</b>	183.33	27.02	9.72	<b>5,774.1</b>	<b>108,905</b>	17.5	
33' 11	3' 9	95.1%	155,748	3,708	589,570	589.57	<b>594.75</b>	183.33	27.03	9.75	<b>5,798.8</b>	<b>109,036</b>	17.5	
34' 0	3' 8	95.2%	155,935	3,713	590,277	590.28	<b>595.47</b>	183.33	27.04	9.78	<b>5,823.7</b>	<b>109,168</b>	17.5	
34' 1	3' 7	95.3%	156,121	3,717	590,984	590.98	<b>596.18</b>	183.33	27.05	9.80	<b>5,842.6</b>	<b>109,298</b>	17.5	
34' 2	3' 6	95.4%	156,308	3,722	591,691	591.69	<b>596.89</b>	183.33	27.06	9.83	<b>5,867.4</b>	<b>109,428</b>	17.5	
34' 3	3' 5	95.5%	156,495	3,726	592,398	592.40	<b>597.60</b>	183.33	27.07	9.86	<b>5,892.3</b>	<b>109,558</b>	17.5	
34' 4	3' 4	95.7%	156,682	3,731	593,104	593.10	<b>598.32</b>	183.33	27.08	9.89	<b>5,917.4</b>	<b>109,690</b>	17.5	
34' 5	3' 3	95.8%	156,868	3,735	593,811	593.81	<b>599.03</b>	183.33	27.09	9.92	<b>5,942.4</b>	<b>109,820</b>	17.5	
34' 6	3' 2	95.9%	157,055	3,739	594,518	594.52	<b>599.74</b>	183.33	27.11	9.95	<b>5,967.4</b>	<b>109,950</b>	17.5	
34' 7	3' 1	96.0%	157,242	3,744	595,225	595.22	<b>600.46</b>	183.33	27.12	9.98	<b>5,992.6</b>	<b>110,082</b>	17.5	
34' 8	3' 0	96.1%	157,429	3,748	595,932	595.93	<b>601.17</b>	183.33	27.13	10.01	<b>6,017.7</b>	<b>110,212</b>	17.5	
34' 9	2' 11	96.2%	157,615	3,753	596,638	596.64	<b>601.88</b>	183.33	27.14	10.04	<b>6,042.9</b>	<b>110,343</b>	17.5	
34' 10	2' 10	96.3%	157,802	3,757	597,345	597.35	<b>602.60</b>	183.33	27.15	10.07	<b>6,068.2</b>	<b>110,475</b>	17.5	
34' 11	2' 9	96.5%	157,989	3,762	598,052	598.05	<b>603.31</b>	183.33	27.16	10.10	<b>6,093.4</b>	<b>110,605</b>	17.5	
35' 0	2' 8	96.6%	158,175	3,766	598,759	598.76	<b>604.02</b>	183.33	27.17	10.13	<b>6,118.7</b>	<b>110,735</b>	17.5	
35' 1	2' 7	96.7%	158,362	3,771	599,465	599.47	<b>604.73</b>	183.33	27.18	10.16	<b>6,144.1</b>	<b>110,865</b>	17.5	
35' 2	2' 6	96.8%	158,549	3,775	600,172	600.17	<b>605.45</b>	183.33	27.19	10.19	<b>6,169.5</b>	<b>110,997</b>	17.5	
35' 3	2' 5	96.9%	158,736	3,779	600,879	600.88	<b>606.16</b>	183.33	27.21	10.22	<b>6,195.0</b>	<b>111,127</b>	17.5	
35' 4	2' 4	97.0%	158,922	3,784	601,586	601.59	<b>606.87</b>	183.33	27.22	10.25	<b>6,220.4</b>	<b>111,257</b>	17.5	
35' 5	2' 3	97.1%	159,109	3,788	602,293	602.29	<b>607.59</b>	183.33	27.23	10.27	<b>6,239.9</b>	<b>111,389</b>	17.5	
35' 6	2' 2	97.3%	159,296	3,793	602,999	603.0	<b>608.30</b>	183.33	27.24	10.30	<b>6,265.5</b>	<b>111,520</b>	17.5	
35' 7	2' 1	97.4%	159,482	3,797	603,706	603.71	<b>609.01</b>	183.33	27.25	10.33	<b>6,291.1</b>	<b>111,650</b>	17.5	
35' 8	2' 0	97.5%	159,669	3,802	604,413	604.41	<b>609.73</b>	183.33	27.26	10.36	<b>6,316.8</b>	<b>111,782</b>	17.5	
35' 9	1' 11	97.6%	159,856	3,806	605,120	605.12	<b>610.44</b>	183.33	27.27	10.39	<b>6,342.5</b>	<b>111,912</b>	17.5	

Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
35' 10	1' 10	97.7%	160,043	3,811	605,827	605.83	<b>611.15</b>	183.33	27.28	10.42	<b>6,368.2</b>	<b>112,042</b>	17.5
35' 11	1' 9	97.8%	160,229	3,815	606,534	606.53	<b>611.86</b>	183.33	27.29	10.45	<b>6,393.9</b>	<b>112,172</b>	17.5
36' 0	1' 8	97.9%	160,416	3,819	607,240	607.24	<b>612.58</b>	183.33	27.30	10.48	<b>6,419.8</b>	<b>112,304</b>	17.5
36' 1	1' 7	98.0%	160,603	3,824	607,947	607.95	<b>613.29</b>	183.33	27.31	10.51	<b>6,445.7</b>	<b>112,434</b>	17.5
36' 2	1' 6	98.2%	160,789	3,828	608,654	608.65	<b>614.0</b>	183.33	27.32	10.54	<b>6,471.6</b>	<b>112,565</b>	17.5
36' 3	1' 5	98.3%	160,976	3,833	609,361	609.36	<b>614.72</b>	183.33	27.34	10.57	<b>6,497.6</b>	<b>112,697</b>	17.5
36' 4	1' 4	98.4%	161,163	3,837	610,068	610.07	<b>615.43</b>	183.33	27.35	10.60	<b>6,523.6</b>	<b>112,827</b>	17.5
36' 5	1' 3	98.5%	161,350	3,842	610,774	610.77	<b>616.14</b>	183.33	27.36	10.63	<b>6,549.6</b>	<b>112,957</b>	17.5
36' 6	1' 2	98.6%	161,536	3,846	611,481	611.48	<b>616.86</b>	183.33	27.37	10.66	<b>6,575.7</b>	<b>113,089</b>	17.5
36' 7	1' 1	98.7%	161,723	3,851	612,186	612.19	<b>617.57</b>	183.33	27.38	10.69	<b>6,601.8</b>	<b>113,219</b>	17.3
36' 8	1' 0	98.8%	161,908	3,855	612,888	612.89	<b>618.27</b>	183.33	27.39	10.72	<b>6,627.9</b>	<b>113,347</b>	17.1
36' 9	0' 11	99.0%	162,093	3,859	613,587	613.59	<b>618.98</b>	183.33	27.40	10.75	<b>6,654.0</b>	<b>113,478</b>	16.9
36' 10	0' 10	99.1%	162,277	3,864	614,283	614.28	<b>619.68</b>	183.33	27.41	10.78	<b>6,680.2</b>	<b>113,606</b>	16.6
36' 11	0' 9	99.2%	162,460	3,868	614,976	614.98	<b>620.38</b>	183.33	27.42	10.81	<b>6,706.3</b>	<b>113,734</b>	16.4
37' 0	0' 8	99.3%	162,642	3,872	615,667	615.67	<b>621.08</b>	183.33	27.43	10.84	<b>6,732.5</b>	<b>113,863</b>	16.1
37' 1	0' 7	99.4%	162,822	3,877	616,347	616.35	<b>621.76</b>	183.33	27.44	10.87	<b>6,758.5</b>	<b>113,987</b>	15.3
37' 2	0' 6	99.5%	162,998	3,881	617,016	617.02	<b>622.44</b>	183.33	27.45	10.90	<b>6,784.6</b>	<b>114,112</b>	14.5
37' 3	0' 5	99.6%	163,172	3,885	617,674	617.67	<b>623.10</b>	183.33	27.46	10.93	<b>6,810.5</b>	<b>114,233</b>	13.7
37' 4	0' 4	99.7%	163,343	3,889	618,320	618.32	<b>623.75</b>	183.33	27.47	10.95	<b>6,830.1</b>	<b>114,352</b>	13.0
37' 5	0' 3	99.8%	163,509	3,893	618,947	618.95	<b>624.39</b>	183.33	27.48	10.98	<b>6,855.8</b>	<b>114,469</b>	11.2
37' 6	0' 2	99.9%	163,664	3,897	619,535	619.53	<b>624.98</b>	183.33	27.48	11.01	<b>6,881.0</b>	<b>114,578</b>	9.3
37' 7	0' 1	100.0%	163,798	3,900	620,043	620.04	<b>625.49</b>	183.33	27.49	11.03	<b>6,899.2</b>	<b>114,671</b>	2.0

Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
0' 1	37' 7	0	1910	45	7230	7	7	245	20	0	1	1784	7010
0' 2	37' 6	0	3289	78	12449	12	13	245	20	0	2	3073	7099
0' 3	37' 5	0	4673	111	17689	18	18	245	20	0	4	4365	7189
0' 4	37' 4	0	6063	144	22952	23	23	245	20	0	6	5664	7268
0' 5	37' 3	0	7457	178	28227	28	28	245	20	0	8	6968	7310
0' 6	37' 2	0	8853	211	33513	34	34	245	20	0	11	8272	7351
0' 7	37' 1	0	10252	244	38809	39	39	245	20	0	14	9579	7393
0' 8	37' 0	0	11654	277	44114	44	45	245	20	0	18	10888	7434
0' 9	36' 11	0	13058	311	49430	49	50	245	20	0	22	12199	7472
0' 10	36' 10	0	14464	344	54751	55	55	245	20	1	28	13513	7490
0' 11	36' 9	0	15871	378	60077	60	61	245	20	1	33	14829	7507
1' 0	36' 8	0	17279	411	65407	65	66	245	20	1	38	16143	7525
1' 1	36' 7	0	18688	445	70741	71	71	245	20	1	44	17460	7542
1' 2	36' 6	0	20098	479	76079	76	77	245	20	1	51	18778	7558
1' 3	36' 5	0	21509	512	81421	81	82	245	20	1	58	20097	7571
1' 4	36' 4	0	22921	546	86765	87	88	245	20	1	66	21416	7576
1' 5	36' 3	0	24333	579	92109	92	93	245	20	1	73	22735	7580
1' 6	36' 2	0	25745	613	97455	97	98	245	20	1	82	24054	7583
1' 7	36' 1	0	27157	647	102801	103	104	245	20	1	90	25372	7583
1' 8	36' 0	0	28569	680	108147	108	109	245	20	1	99	26693	7583
1' 9	35' 11	0	29982	714	113492	113	114	245	20	1	110	28012	7583
1' 10	35' 10	0	31394	747	118838	119	120	245	20	1	120	29331	7583
1' 11	35' 9	0	32806	781	124184	124	125	245	20	1	130	30652	7583
2' 0	35' 8	0	34218	815	129530	130	131	245	20	1	141	31971	7583
2' 1	35' 7	0	35630	848	134876	135	136	245	20	1	152	33290	7583
2' 2	35' 6	0	37043	882	140221	140	141	245	20	1	165	34609	7583
2' 3	35' 5	0	38455	916	145567	146	147	245	20	1	178	35930	7583
2' 4	35' 4	0	39867	949	150913	151	152	245	20	1	190	37249	7583
2' 5	35' 3	0	41279	983	156259	156	158	245	20	1	203	38567	7583
2' 6	35' 2	0	42691	1016	161605	162	163	245	20	1	217	39889	7583
2' 7	35' 1	0	44104	1050	166950	167	168	245	20	1	231	41207	7583
2' 8	35' 0	0	45516	1084	172296	172	174	245	20	1	247	42526	7583
2' 9	34' 11	0	46928	1117	177642	178	179	245	20	1	262	43845	7583

Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
2' 10	34' 10	0	48340	1151	182988	183	185	245	20	2	277	45166	7583
2' 11	34' 9	0	49753	1185	188334	188	190	245	20	2	293	46485	7583
3' 0	34' 8	0	51165	1218	193679	194	195	245	20	2	309	47804	7583
3' 1	34' 7	32.1%	52,577	1,252	199,025	199.03	200.77	244.67	20.17	1.62	325.2	49,122	7,583.2
3' 2	34' 6	33.0%	53,989	1,285	204,371	204.37	206.17	244.67	20.17	1.67	344.3	50,444	7,583.2
3' 3	34' 5	33.8%	55,401	1,319	209,717	209.72	211.56	244.67	20.17	1.71	361.8	51,762	7,583.2
3' 4	34' 4	34.7%	56,814	1,353	215,063	215.06	216.95	244.67	20.17	1.75	379.7	53,081	7,583.2
3' 5	34' 3	35.5%	58,226	1,386	220,409	220.41	222.35	244.67	20.18	1.79	398.0	54,402	7,583.2
3' 6	34' 2	36.4%	59,638	1,420	225,754	225.75	227.74	244.67	20.18	1.83	416.8	55,721	7,583.2
3' 7	34' 1	37.3%	61,050	1,454	231,100	231.10	233.13	244.67	20.18	1.87	436.0	57,040	7,583.2
3' 8	34' 0	38.1%	62,462	1,487	236,446	236.45	238.52	244.67	20.18	1.92	458.0	58,359	7,583.2
3' 9	33' 11	39.0%	63,875	1,521	241,792	241.79	243.92	244.67	20.18	1.96	478.1	59,680	7,583.2
3' 10	33' 10	39.9%	65,287	1,554	247,138	247.14	249.31	244.67	20.18	2.00	498.6	60,999	7,583.2
3' 11	33' 9	40.7%	66,699	1,588	252,483	252.48	254.70	244.67	20.18	2.04	519.6	62,317	7,583.2
4' 0	33' 8	41.6%	68,111	1,622	257,829	257.83	260.10	244.67	20.19	2.08	541.0	63,639	7,583.2
4' 1	33' 7	42.4%	69,523	1,655	263,175	263.18	265.49	244.67	20.19	2.12	562.8	64,957	7,583.2
4' 2	33' 6	43.3%	70,936	1,689	268,521	268.52	270.88	244.67	20.19	2.17	587.8	66,276	7,583.2
4' 3	33' 5	44.2%	72,348	1,723	273,867	273.87	276.27	244.67	20.19	2.21	610.6	67,595	7,583.2
4' 4	33' 4	45.0%	73,760	1,756	279,213	279.21	281.67	244.67	20.19	2.25	633.8	68,916	7,583.2
4' 5	33' 3	45.9%	75,172	1,790	284,558	284.56	287.06	244.67	20.19	2.29	657.4	70,235	7,583.2
4' 6	33' 2	46.8%	76,585	1,823	289,904	289.90	292.45	244.67	20.19	2.33	681.4	71,554	7,583.2
4' 7	33' 1	47.6%	77,997	1,857	295,250	295.25	297.84	244.67	20.19	2.38	708.9	72,873	7,583.2
4' 8	33' 0	48.5%	79,409	1,891	300,596	300.60	303.24	244.67	20.20	2.42	733.8	74,194	7,583.2
4' 9	32' 11	49.3%	80,821	1,924	305,942	305.94	308.63	244.67	20.20	2.46	759.2	75,513	7,583.2
4' 10	32' 10	50.2%	82,233	1,958	311,287	311.29	314.02	244.67	20.20	2.50	785.1	76,831	7,583.2
4' 11	32' 9	51.1%	83,646	1,992	316,633	316.63	319.42	244.67	20.20	2.54	811.3	78,152	7,583.2
5' 0	32' 8	51.9%	85,058	2,025	321,979	321.98	324.81	244.67	20.20	2.58	838.0	79,471	7,583.2
5' 1	32' 7	52.8%	86,470	2,059	327,325	327.32	330.20	244.67	20.20	2.63	868.4	80,790	7,583.2
5' 2	32' 6	53.7%	87,878	2,092	332,654	332.65	335.58	244.67	20.20	2.67	896.0	82,106	6,807.6
5' 3	32' 5	54.4%	89,140	2,122	337,432	337.43	340.40	244.67	20.23	2.70	919.1	83,286	4,225.8
5' 4	32' 4	55.1%	90,202	2,148	341,452	341.45	344.45	244.67	20.28	2.74	943.8	84,277	2,396.4
5' 5	32' 3	55.6%	91,064	2,168	344,714	344.71	347.74	244.67	20.35	2.76	959.8	85,082	1,189.9
5' 6	32' 2	56.0%	91,726	2,184	347,219	347.22	350.27	244.67	20.42	2.78	973.8	85,701	476.7



Tank		Ballast #4 PORT												
Specific Gravity		1.025												
Trim		0												
Capacity		163,798 Gallons												
Label(s)		Ball#4.p												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
5' 7	32' 1	56.3%	92,187	2,195	348,965	348.97	<b>352.03</b>	244.67	20.49	2.80	<b>985.7</b>	<b>86,131</b>	127.0	
5' 8	32' 0	56.4%	92,450	2,201	349,960	349.96	<b>353.04</b>	244.67	20.53	2.80	<b>988.5</b>	<b>86,378</b>	17.5	
5' 9	31' 11	56.6%	92,636	2,206	350,667	350.67	<b>353.75</b>	244.67	20.56	2.81	<b>994.0</b>	<b>86,552</b>	17.5	
5' 10	31' 10	56.7%	92,823	2,210	351,374	351.37	<b>354.46</b>	244.67	20.59	2.82	<b>999.6</b>	<b>86,726</b>	17.5	
5' 11	31' 9	56.8%	93,010	2,215	352,081	352.08	<b>355.18</b>	244.67	20.62	2.82	<b>1,001.6</b>	<b>86,902</b>	17.5	
6' 0	31' 8	56.9%	93,197	2,219	352,788	352.79	<b>355.89</b>	244.67	20.66	2.83	<b>1,007.2</b>	<b>87,076</b>	17.5	
6' 1	31' 7	57.0%	93,383	2,223	353,495	353.49	<b>356.60</b>	244.67	20.69	2.84	<b>1,012.7</b>	<b>87,249</b>	17.5	
6' 2	31' 6	57.1%	93,570	2,228	354,201	354.20	<b>357.31</b>	244.67	20.72	2.84	<b>1,014.8</b>	<b>87,423</b>	17.5	
6' 3	31' 5	57.2%	93,757	2,232	354,908	354.91	<b>358.03</b>	244.67	20.75	2.85	<b>1,020.4</b>	<b>87,599</b>	17.5	
6' 4	31' 4	57.4%	93,944	2,237	355,615	355.61	<b>358.74</b>	244.67	20.78	2.86	<b>1,026.0</b>	<b>87,773</b>	17.5	
6' 5	31' 3	57.5%	94,130	2,241	356,322	356.32	<b>359.45</b>	244.67	20.81	2.86	<b>1,028.0</b>	<b>87,947</b>	17.5	
6' 6	31' 2	57.6%	94,317	2,246	357,029	357.03	<b>360.17</b>	244.67	20.84	2.87	<b>1,033.7</b>	<b>88,123</b>	17.5	
6' 7	31' 1	57.7%	94,504	2,250	357,735	357.74	<b>360.88</b>	244.67	20.87	2.88	<b>1,039.3</b>	<b>88,297</b>	17.5	
6' 8	31' 0	57.8%	94,690	2,255	358,442	358.44	<b>361.59</b>	244.67	20.91	2.89	<b>1,045.0</b>	<b>88,470</b>	17.5	
6' 9	30' 11	57.9%	94,877	2,259	359,149	359.15	<b>362.31</b>	244.67	20.94	2.89	<b>1,047.1</b>	<b>88,646</b>	17.5	
6' 10	30' 10	58.0%	95,064	2,263	359,856	359.86	<b>363.02</b>	244.67	20.97	2.90	<b>1,052.8</b>	<b>88,820</b>	17.5	
6' 11	30' 9	58.2%	95,251	2,268	360,563	360.56	<b>363.73</b>	244.67	21.00	2.91	<b>1,058.5</b>	<b>88,994</b>	17.5	
7' 0	30' 8	58.3%	95,437	2,272	361,269	361.27	<b>364.44</b>	244.67	21.03	2.92	<b>1,064.2</b>	<b>89,168</b>	17.5	
7' 1	30' 7	58.4%	95,624	2,277	361,976	361.98	<b>365.16</b>	244.67	21.06	2.93	<b>1,069.9</b>	<b>89,344</b>	17.5	
7' 2	30' 6	58.5%	95,811	2,281	362,683	362.68	<b>365.87</b>	244.67	21.09	2.93	<b>1,072.0</b>	<b>89,517</b>	17.5	
7' 3	30' 5	58.6%	95,997	2,286	363,390	363.39	<b>366.58</b>	244.67	21.12	2.94	<b>1,077.7</b>	<b>89,691</b>	17.5	
7' 4	30' 4	58.7%	96,184	2,290	364,097	364.10	<b>367.30</b>	244.67	21.15	2.95	<b>1,083.5</b>	<b>89,867</b>	17.5	
7' 5	30' 3	58.8%	96,371	2,295	364,803	364.80	<b>368.01</b>	244.67	21.18	2.96	<b>1,089.3</b>	<b>90,041</b>	17.5	
7' 6	30' 2	58.9%	96,558	2,299	365,510	365.51	<b>368.72</b>	244.67	21.21	2.97	<b>1,095.1</b>	<b>90,215</b>	17.5	
7' 7	30' 1	59.1%	96,744	2,303	366,217	366.22	<b>369.44</b>	244.67	21.24	2.98	<b>1,100.9</b>	<b>90,391</b>	17.5	
7' 8	30' 0	59.2%	96,931	2,308	366,924	366.92	<b>370.15</b>	244.67	21.27	2.99	<b>1,106.7</b>	<b>90,565</b>	17.5	
7' 9	29' 11	59.3%	97,118	2,312	367,631	367.63	<b>370.86</b>	244.67	21.30	3.00	<b>1,112.6</b>	<b>90,738</b>	17.5	
7' 10	29' 10	59.4%	97,304	2,317	368,337	368.34	<b>371.57</b>	244.67	21.33	3.01	<b>1,118.4</b>	<b>90,912</b>	17.5	
7' 11	29' 9	59.5%	97,491	2,321	369,044	369.04	<b>372.29</b>	244.67	21.35	3.02	<b>1,124.3</b>	<b>91,088</b>	17.5	
8' 0	29' 8	59.6%	97,678	2,326	369,751	369.75	<b>373.0</b>	244.67	21.38	3.02	<b>1,126.5</b>	<b>91,262</b>	17.5	
8' 1	29' 7	59.7%	97,865	2,330	370,458	370.46	<b>373.71</b>	244.67	21.41	3.03	<b>1,132.3</b>	<b>91,436</b>	17.5	
8' 2	29' 6	59.9%	98,051	2,335	371,165	371.16	<b>374.43</b>	244.67	21.44	3.04	<b>1,138.3</b>	<b>91,612</b>	17.5	
8' 3	29' 5	60.0%	98,238	2,339	371,871	371.87	<b>375.14</b>	244.67	21.47	3.05	<b>1,144.2</b>	<b>91,786</b>	17.5	

Tank		Ballast #4 PORT												
Specific Gravity		1.025												
Trim		0												
Capacity		163,798 Gallons												
Label(s)		Ball#4.p												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
8' 4	29' 4	60.1%	98,425	2,343	372,578	372.58	<b>375.85</b>	244.67	21.50	3.06	<b>1,150.1</b>	<b>91,959</b>	17.5	
8' 5	29' 3	60.2%	98,611	2,348	373,285	373.29	<b>376.57</b>	244.67	21.53	3.07	<b>1,156.1</b>	<b>92,135</b>	17.5	
8' 6	29' 2	60.3%	98,798	2,352	373,992	373.99	<b>377.28</b>	244.67	21.55	3.09	<b>1,165.8</b>	<b>92,309</b>	17.5	
8' 7	29' 1	60.4%	98,985	2,357	374,699	374.70	<b>377.99</b>	244.67	21.58	3.10	<b>1,171.8</b>	<b>92,483</b>	17.5	
8' 8	29' 0	60.5%	99,172	2,361	375,405	375.41	<b>378.70</b>	244.67	21.61	3.11	<b>1,177.8</b>	<b>92,657</b>	17.5	
8' 9	28' 11	60.7%	99,358	2,366	376,112	376.11	<b>379.42</b>	244.67	21.64	3.12	<b>1,183.8</b>	<b>92,833</b>	17.5	
8' 10	28' 10	60.8%	99,545	2,370	376,819	376.82	<b>380.13</b>	244.67	21.67	3.13	<b>1,189.8</b>	<b>93,006</b>	17.5	
8' 11	28' 9	60.9%	99,732	2,375	377,526	377.53	<b>380.84</b>	244.67	21.70	3.14	<b>1,195.8</b>	<b>93,180</b>	17.5	
9' 0	28' 8	61.0%	99,919	2,379	378,233	378.23	<b>381.56</b>	244.67	21.72	3.15	<b>1,201.9</b>	<b>93,356</b>	17.5	
9' 1	28' 7	61.1%	100,105	2,383	378,939	378.94	<b>382.27</b>	244.67	21.75	3.16	<b>1,208.0</b>	<b>93,530</b>	17.5	
9' 2	28' 6	61.2%	100,292	2,388	379,646	379.65	<b>382.98</b>	244.67	21.78	3.17	<b>1,214.0</b>	<b>93,704</b>	17.5	
9' 3	28' 5	61.3%	100,479	2,392	380,353	380.35	<b>383.70</b>	244.67	21.81	3.18	<b>1,220.2</b>	<b>93,880</b>	17.5	
9' 4	28' 4	61.5%	100,665	2,397	381,060	381.06	<b>384.41</b>	244.67	21.83	3.20	<b>1,230.1</b>	<b>94,054</b>	17.5	
9' 5	28' 3	61.6%	100,852	2,401	381,767	381.77	<b>385.12</b>	244.67	21.86	3.21	<b>1,236.2</b>	<b>94,227</b>	17.5	
9' 6	28' 2	61.7%	101,039	2,406	382,473	382.47	<b>385.84</b>	244.67	21.89	3.22	<b>1,242.4</b>	<b>94,403</b>	17.5	
9' 7	28' 1	61.8%	101,226	2,410	383,180	383.18	<b>386.55</b>	244.67	21.91	3.23	<b>1,248.6</b>	<b>94,577</b>	17.5	
9' 8	28' 0	61.9%	101,412	2,415	383,887	383.89	<b>387.26</b>	244.67	21.94	3.24	<b>1,254.7</b>	<b>94,751</b>	17.5	
9' 9	27' 11	62.0%	101,599	2,419	384,594	384.59	<b>387.97</b>	244.67	21.97	3.25	<b>1,260.9</b>	<b>94,925</b>	17.5	
9' 10	27' 10	62.1%	101,786	2,423	385,301	385.30	<b>388.69</b>	244.67	21.99	3.27	<b>1,271.0</b>	<b>95,101</b>	17.5	
9' 11	27' 9	62.3%	101,972	2,428	386,008	386.01	<b>389.40</b>	244.67	22.02	3.28	<b>1,277.2</b>	<b>95,274</b>	17.5	
10' 0	27' 8	62.4%	102,159	2,432	386,714	386.71	<b>390.11</b>	244.67	22.05	3.29	<b>1,283.5</b>	<b>95,448</b>	17.5	
10' 1	27' 7	62.5%	102,346	2,437	387,421	387.42	<b>390.83</b>	244.67	22.07	3.30	<b>1,289.7</b>	<b>95,624</b>	17.5	
10' 2	27' 6	62.6%	102,533	2,441	388,128	388.13	<b>391.54</b>	244.67	22.10	3.32	<b>1,299.9</b>	<b>95,798</b>	17.5	
10' 3	27' 5	62.7%	102,719	2,446	388,835	388.83	<b>392.25</b>	244.67	22.13	3.33	<b>1,306.2</b>	<b>95,972</b>	17.5	
10' 4	27' 4	62.8%	102,906	2,450	389,542	389.54	<b>392.97</b>	244.67	22.15	3.34	<b>1,312.5</b>	<b>96,148</b>	17.5	
10' 5	27' 3	62.9%	103,093	2,455	390,248	390.25	<b>393.68</b>	244.67	22.18	3.35	<b>1,318.8</b>	<b>96,322</b>	17.5	
10' 6	27' 2	63.1%	103,279	2,459	390,955	390.96	<b>394.39</b>	244.67	22.20	3.37	<b>1,329.1</b>	<b>96,495</b>	17.5	
10' 7	27' 1	63.2%	103,466	2,463	391,662	391.66	<b>395.10</b>	244.67	22.23	3.38	<b>1,335.4</b>	<b>96,669</b>	17.5	
10' 8	27' 0	63.3%	103,653	2,468	392,369	392.37	<b>395.82</b>	244.67	22.26	3.39	<b>1,341.8</b>	<b>96,845</b>	17.5	
10' 9	26' 11	63.4%	103,840	2,472	393,076	393.08	<b>396.53</b>	244.67	22.28	3.41	<b>1,352.2</b>	<b>97,019</b>	17.5	
10' 10	26' 10	63.5%	104,026	2,477	393,782	393.78	<b>397.24</b>	244.67	22.31	3.42	<b>1,358.6</b>	<b>97,193</b>	17.5	
10' 11	26' 9	63.6%	104,213	2,481	394,489	394.49	<b>397.96</b>	244.67	22.33	3.43	<b>1,365.0</b>	<b>97,369</b>	17.5	
11' 0	26' 8	63.7%	104,400	2,486	395,196	395.20	<b>398.67</b>	244.67	22.36	3.45	<b>1,375.4</b>	<b>97,543</b>	17.5	

Tank		Ballast #4 PORT												
Specific Gravity		1.025												
Trim		0												
Capacity		163,798 Gallons												
Label(s)		Ball#4.p												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
11' 1	26' 7	63.9%	104,587	2,490	395,903	395.90	<b>399.38</b>	244.67	22.38	3.46	<b>1,381.9</b>	<b>97,716</b>	17.5	
11' 2	26' 6	64.0%	104,773	2,495	396,610	396.61	<b>400.10</b>	244.67	22.41	3.48	<b>1,392.3</b>	<b>97,892</b>	17.5	
11' 3	26' 5	64.1%	104,960	2,499	397,316	397.32	<b>400.81</b>	244.67	22.43	3.49	<b>1,398.8</b>	<b>98,066</b>	17.5	
11' 4	26' 4	64.2%	105,147	2,503	398,023	398.02	<b>401.52</b>	244.67	22.46	3.50	<b>1,405.3</b>	<b>98,240</b>	17.5	
11' 5	26' 3	64.3%	105,333	2,508	398,730	398.73	<b>402.23</b>	244.67	22.48	3.52	<b>1,415.8</b>	<b>98,414</b>	17.5	
11' 6	26' 2	64.4%	105,520	2,512	399,437	399.44	<b>402.95</b>	244.67	22.51	3.53	<b>1,422.4</b>	<b>98,590</b>	17.5	
11' 7	26' 1	64.5%	105,707	2,517	400,144	400.14	<b>403.66</b>	244.67	22.53	3.55	<b>1,433.0</b>	<b>98,763</b>	17.5	
11' 8	26' 0	64.6%	105,894	2,521	400,851	400.85	<b>404.37</b>	244.67	22.56	3.56	<b>1,439.6</b>	<b>98,937</b>	17.5	
11' 9	25' 11	64.8%	106,080	2,526	401,557	401.56	<b>405.09</b>	244.67	22.58	3.57	<b>1,446.2</b>	<b>99,113</b>	17.5	
11' 10	25' 10	64.9%	106,267	2,530	402,264	402.26	<b>405.80</b>	244.67	22.61	3.59	<b>1,456.8</b>	<b>99,287</b>	17.5	
11' 11	25' 9	65.0%	106,454	2,535	402,971	402.97	<b>406.51</b>	244.67	22.63	3.60	<b>1,463.4</b>	<b>99,461</b>	17.5	
12' 0	25' 8	65.1%	106,640	2,539	403,677	403.68	<b>407.23</b>	244.67	22.66	3.62	<b>1,474.2</b>	<b>99,637</b>	17.5	
12' 1	25' 7	65.2%	106,827	2,544	404,385	404.38	<b>407.94</b>	244.67	22.68	3.63	<b>1,480.8</b>	<b>99,811</b>	17.5	
12' 2	25' 6	65.3%	107,014	2,548	405,091	405.09	<b>408.65</b>	244.67	22.70	3.65	<b>1,491.6</b>	<b>99,984</b>	17.5	
12' 3	25' 5	65.4%	107,201	2,552	405,798	405.80	<b>409.36</b>	244.67	22.73	3.66	<b>1,498.3</b>	<b>100,158</b>	17.5	
12' 4	25' 4	65.6%	107,387	2,557	406,505	406.50	<b>410.08</b>	244.67	22.75	3.68	<b>1,509.1</b>	<b>100,334</b>	17.5	
12' 5	25' 3	65.7%	107,574	2,561	407,212	407.21	<b>410.79</b>	244.67	22.78	3.69	<b>1,515.8</b>	<b>100,508</b>	17.5	
12' 6	25' 2	65.8%	107,761	2,566	407,919	407.92	<b>411.50</b>	244.67	22.80	3.71	<b>1,526.7</b>	<b>100,682</b>	17.5	
12' 7	25' 1	65.9%	107,947	2,570	408,625	408.63	<b>412.22</b>	244.67	22.82	3.73	<b>1,537.6</b>	<b>100,858</b>	17.5	
12' 8	25' 0	66.0%	108,134	2,575	409,332	409.33	<b>412.93</b>	244.67	22.85	3.74	<b>1,544.4</b>	<b>101,032</b>	17.5	
12' 9	24' 11	66.1%	108,321	2,579	410,039	410.04	<b>413.64</b>	244.67	22.87	3.76	<b>1,555.3</b>	<b>101,205</b>	17.5	
12' 10	24' 10	66.2%	108,508	2,584	410,746	410.75	<b>414.36</b>	244.67	22.89	3.77	<b>1,562.1</b>	<b>101,381</b>	17.5	
12' 11	24' 9	66.4%	108,694	2,588	411,452	411.45	<b>415.07</b>	244.67	22.92	3.79	<b>1,573.1</b>	<b>101,555</b>	17.5	
13' 0	24' 8	66.5%	108,881	2,592	412,159	412.16	<b>415.78</b>	244.67	22.94	3.80	<b>1,580.0</b>	<b>101,729</b>	17.5	
13' 1	24' 7	66.6%	109,068	2,597	412,866	412.87	<b>416.49</b>	244.67	22.96	3.82	<b>1,591.0</b>	<b>101,903</b>	17.5	
13' 2	24' 6	66.7%	109,254	2,601	413,573	413.57	<b>417.21</b>	244.67	22.99	3.84	<b>1,602.1</b>	<b>102,079</b>	17.5	
13' 3	24' 5	66.8%	109,441	2,606	414,280	414.28	<b>417.92</b>	244.67	23.01	3.85	<b>1,609.0</b>	<b>102,252</b>	17.5	
13' 4	24' 4	66.9%	109,628	2,610	414,987	414.99	<b>418.63</b>	244.67	23.03	3.87	<b>1,620.1</b>	<b>102,426</b>	17.5	
13' 5	24' 3	67.0%	109,815	2,615	415,693	415.69	<b>419.35</b>	244.67	23.06	3.88	<b>1,627.1</b>	<b>102,602</b>	17.5	
13' 6	24' 2	67.2%	110,001	2,619	416,400	416.40	<b>420.06</b>	244.67	23.08	3.90	<b>1,638.2</b>	<b>102,776</b>	17.5	
13' 7	24' 1	67.3%	110,188	2,624	417,107	417.11	<b>420.77</b>	244.67	23.10	3.92	<b>1,649.4</b>	<b>102,950</b>	17.5	
13' 8	24' 0	67.4%	110,375	2,628	417,814	417.81	<b>421.49</b>	244.67	23.12	3.93	<b>1,656.5</b>	<b>103,126</b>	17.5	
13' 9	23' 11	67.5%	110,561	2,632	418,520	418.52	<b>422.20</b>	244.67	23.15	3.95	<b>1,667.7</b>	<b>103,300</b>	17.5	

Tank		Ballast #4 PORT												
Specific Gravity		1.025												
Trim		0												
Capacity		163,798 Gallons												
Label(s)		Ball#4.p												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
13' 10	23' 10	67.6%	110,748	2,637	419,227	419.23	<b>422.91</b>	244.67	23.17	3.97	<b>1,679.0</b>	<b>103,473</b>	17.5	
13' 11	23' 9	67.7%	110,935	2,641	419,934	419.93	<b>423.62</b>	244.67	23.19	3.98	<b>1,686.0</b>	<b>103,647</b>	17.5	
14' 0	23' 8	67.8%	111,122	2,646	420,641	420.64	<b>424.34</b>	244.67	23.21	4.00	<b>1,697.4</b>	<b>103,823</b>	17.5	
14' 1	23' 7	68.0%	111,308	2,650	421,348	421.35	<b>425.05</b>	244.67	23.24	4.02	<b>1,708.7</b>	<b>103,997</b>	17.5	
14' 2	23' 6	68.1%	111,495	2,655	422,054	422.05	<b>425.76</b>	244.67	23.26	4.04	<b>1,720.1</b>	<b>104,171</b>	17.5	
14' 3	23' 5	68.2%	111,682	2,659	422,761	422.76	<b>426.48</b>	244.67	23.28	4.05	<b>1,727.2</b>	<b>104,347</b>	17.5	
14' 4	23' 4	68.3%	111,868	2,664	423,468	423.47	<b>427.19</b>	244.67	23.30	4.07	<b>1,738.7</b>	<b>104,521</b>	17.5	
14' 5	23' 3	68.4%	112,055	2,668	424,175	424.18	<b>427.90</b>	244.67	23.33	4.09	<b>1,750.1</b>	<b>104,694</b>	17.5	
14' 6	23' 2	68.5%	112,242	2,672	424,882	424.88	<b>428.62</b>	244.67	23.35	4.10	<b>1,757.3</b>	<b>104,870</b>	17.5	
14' 7	23' 1	68.6%	112,429	2,677	425,589	425.59	<b>429.33</b>	244.67	23.37	4.12	<b>1,768.8</b>	<b>105,044</b>	17.5	
14' 8	23' 0	68.8%	112,615	2,681	426,295	426.30	<b>430.04</b>	244.67	23.39	4.14	<b>1,780.4</b>	<b>105,218</b>	17.5	
14' 9	22' 11	68.9%	112,802	2,686	427,002	427.0	<b>430.76</b>	244.67	23.41	4.16	<b>1,792.0</b>	<b>105,394</b>	17.5	
14' 10	22' 10	69.0%	112,989	2,690	427,709	427.71	<b>431.47</b>	244.67	23.43	4.17	<b>1,799.2</b>	<b>105,568</b>	17.5	
14' 11	22' 9	69.1%	113,176	2,695	428,416	428.42	<b>432.18</b>	244.67	23.46	4.19	<b>1,810.8</b>	<b>105,741</b>	17.5	
15' 0	22' 8	69.2%	113,362	2,699	429,123	429.12	<b>432.89</b>	244.67	23.48	4.21	<b>1,822.5</b>	<b>105,915</b>	17.5	
15' 1	22' 7	69.3%	113,549	2,704	429,829	429.83	<b>433.61</b>	244.67	23.50	4.23	<b>1,834.2</b>	<b>106,091</b>	17.5	
15' 2	22' 6	69.4%	113,736	2,708	430,536	430.54	<b>434.32</b>	244.67	23.52	4.25	<b>1,845.9</b>	<b>106,265</b>	17.5	
15' 3	22' 5	69.6%	113,922	2,712	431,243	431.24	<b>435.03</b>	244.67	23.54	4.26	<b>1,853.2</b>	<b>106,439</b>	17.5	
15' 4	22' 4	69.7%	114,109	2,717	431,950	431.95	<b>435.75</b>	244.67	23.56	4.28	<b>1,865.0</b>	<b>106,615</b>	17.5	
15' 5	22' 3	69.8%	114,296	2,721	432,657	432.66	<b>436.46</b>	244.67	23.58	4.30	<b>1,876.8</b>	<b>106,789</b>	17.5	
15' 6	22' 2	69.9%	114,483	2,726	433,363	433.36	<b>437.17</b>	244.67	23.61	4.32	<b>1,888.6</b>	<b>106,962</b>	17.5	
15' 7	22' 1	70.0%	114,669	2,730	434,070	434.07	<b>437.89</b>	244.67	23.63	4.34	<b>1,900.4</b>	<b>107,139</b>	17.5	
15' 8	22' 0	70.1%	114,856	2,735	434,777	434.78	<b>438.60</b>	244.67	23.65	4.36	<b>1,912.3</b>	<b>107,312</b>	17.5	
15' 9	21' 11	70.2%	115,043	2,739	435,484	435.48	<b>439.31</b>	244.67	23.67	4.37	<b>1,919.8</b>	<b>107,486</b>	17.5	
15' 10	21' 10	70.3%	115,229	2,744	436,191	436.19	<b>440.02</b>	244.67	23.69	4.39	<b>1,931.7</b>	<b>107,660</b>	17.5	
15' 11	21' 9	70.5%	115,416	2,748	436,897	436.90	<b>440.74</b>	244.67	23.71	4.41	<b>1,943.7</b>	<b>107,836</b>	17.5	
16' 0	21' 8	70.6%	115,603	2,752	437,604	437.60	<b>441.45</b>	244.67	23.73	4.43	<b>1,955.6</b>	<b>108,010</b>	17.5	
16' 1	21' 7	70.7%	115,790	2,757	438,311	438.31	<b>442.16</b>	244.67	23.75	4.45	<b>1,967.6</b>	<b>108,183</b>	17.5	
16' 2	21' 6	70.8%	115,976	2,761	439,018	439.02	<b>442.88</b>	244.67	23.77	4.47	<b>1,979.7</b>	<b>108,359</b>	17.5	
16' 3	21' 5	70.9%	116,163	2,766	439,725	439.72	<b>443.59</b>	244.67	23.79	4.49	<b>1,991.7</b>	<b>108,533</b>	17.5	
16' 4	21' 4	71.0%	116,350	2,770	440,432	440.43	<b>444.30</b>	244.67	23.81	4.51	<b>2,003.8</b>	<b>108,707</b>	17.5	
16' 5	21' 3	71.1%	116,536	2,775	441,138	441.14	<b>445.02</b>	244.67	23.83	4.53	<b>2,015.9</b>	<b>108,883</b>	17.5	
16' 6	21' 2	71.3%	116,723	2,779	441,845	441.84	<b>445.73</b>	244.67	23.85	4.55	<b>2,028.1</b>	<b>109,057</b>	17.5	

Tank		Ballast #4 PORT												
Specific Gravity		1.025												
Trim		0												
Capacity		163,798 Gallons												
Label(s)		Ball#4.p												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
16' 7	21' 1	71.4%	116,910	2,784	442,552	442.55	446.44	244.67	23.87	4.56	2,035.8	109,230	17.5	
16' 8	21' 0	71.5%	117,097	2,788	443,259	443.26	447.15	244.67	23.89	4.58	2,047.9	109,404	17.5	
16' 9	20' 11	71.6%	117,283	2,792	443,966	443.97	447.87	244.67	23.91	4.60	2,060.2	109,580	17.5	
16' 10	20' 10	71.7%	117,470	2,797	444,672	444.67	448.58	244.67	23.93	4.62	2,072.4	109,754	17.5	
16' 11	20' 9	71.8%	117,657	2,801	445,379	445.38	449.29	244.67	23.95	4.64	2,084.7	109,928	17.5	
17' 0	20' 8	71.9%	117,843	2,806	446,086	446.09	450.01	244.67	23.97	4.66	2,097.0	110,104	17.5	
17' 1	20' 7	72.1%	118,030	2,810	446,793	446.79	450.72	244.67	23.99	4.68	2,109.4	110,278	17.5	
17' 2	20' 6	72.2%	118,217	2,815	447,500	447.50	451.43	244.67	24.01	4.70	2,121.7	110,451	17.5	
17' 3	20' 5	72.3%	118,404	2,819	448,206	448.21	452.15	244.67	24.03	4.72	2,134.1	110,628	17.5	
17' 4	20' 4	72.4%	118,590	2,824	448,913	448.91	452.86	244.67	24.05	4.74	2,146.6	110,801	17.5	
17' 5	20' 3	72.5%	118,777	2,828	449,620	449.62	453.57	244.67	24.07	4.76	2,159.0	110,975	17.5	
17' 6	20' 2	72.6%	118,964	2,832	450,327	450.33	454.28	244.67	24.09	4.78	2,171.5	111,149	17.5	
17' 7	20' 1	72.7%	119,151	2,837	451,034	451.03	455.0	244.67	24.11	4.80	2,184.0	111,325	17.5	
17' 8	20' 0	72.9%	119,337	2,841	451,740	451.74	455.71	244.67	24.13	4.82	2,196.5	111,499	17.5	
17' 9	19' 11	73.0%	119,524	2,846	452,447	452.45	456.42	244.67	24.15	4.84	2,209.1	111,672	17.5	
17' 10	19' 10	73.1%	119,711	2,850	453,154	453.15	457.14	244.67	24.17	4.86	2,221.7	111,848	17.5	
17' 11	19' 9	73.2%	119,897	2,855	453,861	453.86	457.85	244.67	24.19	4.88	2,234.3	112,022	17.5	
18' 0	19' 8	73.3%	120,084	2,859	454,568	454.57	458.56	244.67	24.21	4.90	2,246.9	112,196	17.5	
18' 1	19' 7	73.4%	120,271	2,864	455,275	455.27	459.28	244.67	24.23	4.92	2,259.7	112,372	17.5	
18' 2	19' 6	73.5%	120,458	2,868	455,981	455.98	459.99	244.67	24.25	4.94	2,272.4	112,546	17.5	
18' 3	19' 5	73.7%	120,644	2,872	456,688	456.69	460.70	244.67	24.26	4.97	2,289.7	112,719	17.5	
18' 4	19' 4	73.8%	120,831	2,877	457,395	457.40	461.42	244.67	24.28	4.99	2,302.5	112,896	17.5	
18' 5	19' 3	73.9%	121,018	2,881	458,102	458.10	462.13	244.67	24.30	5.01	2,315.3	113,069	17.5	
18' 6	19' 2	74.0%	121,204	2,886	458,809	458.81	462.84	244.67	24.32	5.03	2,328.1	113,243	17.5	
18' 7	19' 1	74.1%	121,391	2,890	459,515	459.52	463.55	244.67	24.34	5.05	2,340.9	113,417	17.5	
18' 8	19' 0	74.2%	121,578	2,895	460,222	460.22	464.27	244.67	24.36	5.07	2,353.8	113,593	17.5	
18' 9	18' 11	74.3%	121,765	2,899	460,929	460.93	464.98	244.67	24.38	5.09	2,366.7	113,767	17.5	
18' 10	18' 10	74.5%	121,951	2,904	461,636	461.64	465.69	244.67	24.40	5.11	2,379.7	113,940	17.5	
18' 11	18' 9	74.6%	122,138	2,908	462,343	462.34	466.41	244.67	24.41	5.13	2,392.7	114,117	17.5	
19' 0	18' 8	74.7%	122,325	2,912	463,049	463.05	467.12	244.67	24.43	5.15	2,405.7	114,290	17.5	
19' 1	18' 7	74.8%	122,511	2,917	463,756	463.76	467.83	244.67	24.45	5.18	2,423.4	114,464	17.5	
19' 2	18' 6	74.9%	122,698	2,921	464,463	464.46	468.55	244.67	24.47	5.20	2,436.5	114,640	17.5	
19' 3	18' 5	75.0%	122,885	2,926	465,170	465.17	469.26	244.67	24.49	5.22	2,449.5	114,814	17.5	

Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
19' 4	18' 4	75.1%	123,072	2,930	465,877	465.88	<b>469.97</b>	244.67	24.51	5.24	<b>2,462.6</b>	<b>114,988</b>	17.5
19' 5	18' 3	75.3%	123,258	2,935	466,583	466.58	<b>470.68</b>	244.67	24.52	5.26	<b>2,475.8</b>	<b>115,161</b>	17.5
19' 6	18' 2	75.4%	123,445	2,939	467,290	467.29	<b>471.40</b>	244.67	24.54	5.28	<b>2,489.0</b>	<b>115,337</b>	17.5
19' 7	18' 1	75.5%	123,632	2,944	467,997	468.0	<b>472.11</b>	244.67	24.56	5.30	<b>2,502.2</b>	<b>115,511</b>	17.5
19' 8	18' 0	75.6%	123,819	2,948	468,704	468.70	<b>472.82</b>	244.67	24.58	5.33	<b>2,520.1</b>	<b>115,685</b>	17.5
19' 9	17' 11	75.7%	124,005	2,953	469,411	469.41	<b>473.54</b>	244.67	24.60	5.35	<b>2,533.4</b>	<b>115,861</b>	17.5
19' 10	17' 10	75.8%	124,192	2,957	470,117	470.12	<b>474.25</b>	244.67	24.61	5.37	<b>2,546.7</b>	<b>116,035</b>	17.5
19' 11	17' 9	75.9%	124,379	2,961	470,824	470.82	<b>474.96</b>	244.67	24.63	5.39	<b>2,560.0</b>	<b>116,208</b>	17.5
20' 0	17' 8	76.0%	124,565	2,966	471,531	471.53	<b>475.68</b>	244.67	24.65	5.41	<b>2,573.4</b>	<b>116,385</b>	17.5
20' 1	17' 7	76.2%	124,752	2,970	472,238	472.24	<b>476.39</b>	244.67	24.67	5.44	<b>2,591.6</b>	<b>116,558</b>	17.5
20' 2	17' 6	76.3%	124,939	2,975	472,945	472.94	<b>477.10</b>	244.67	24.69	5.46	<b>2,605.0</b>	<b>116,732</b>	17.5
20' 3	17' 5	76.4%	125,126	2,979	473,652	473.65	<b>477.81</b>	244.67	24.70	5.48	<b>2,618.4</b>	<b>116,906</b>	17.5
20' 4	17' 4	76.5%	125,312	2,984	474,358	474.36	<b>478.53</b>	244.67	24.72	5.50	<b>2,631.9</b>	<b>117,082</b>	17.5
20' 5	17' 3	76.6%	125,499	2,988	475,065	475.07	<b>479.24</b>	244.67	24.74	5.52	<b>2,645.4</b>	<b>117,256</b>	17.5
20' 6	17' 2	76.7%	125,686	2,993	475,772	475.77	<b>479.95</b>	244.67	24.76	5.55	<b>2,663.7</b>	<b>117,429</b>	17.5
20' 7	17' 1	76.8%	125,872	2,997	476,479	476.48	<b>480.67</b>	244.67	24.77	5.57	<b>2,677.3</b>	<b>117,606</b>	17.5
20' 8	17' 0	77.0%	126,059	3,001	477,186	477.19	<b>481.38</b>	244.67	24.79	5.59	<b>2,690.9</b>	<b>117,779</b>	17.5
20' 9	16' 11	77.1%	126,246	3,006	477,893	477.89	<b>482.09</b>	244.67	24.81	5.61	<b>2,704.5</b>	<b>117,953</b>	17.5
20' 10	16' 10	77.2%	126,433	3,010	478,599	478.60	<b>482.81</b>	244.67	24.83	5.64	<b>2,723.0</b>	<b>118,129</b>	17.5
20' 11	16' 9	77.3%	126,619	3,015	479,306	479.31	<b>483.52</b>	244.67	24.84	5.66	<b>2,736.7</b>	<b>118,303</b>	17.5
21' 0	16' 8	77.4%	126,806	3,019	480,013	480.01	<b>484.23</b>	244.67	24.86	5.68	<b>2,750.4</b>	<b>118,477</b>	17.5
21' 1	16' 7	77.5%	126,993	3,024	480,720	480.72	<b>484.94</b>	244.67	24.88	5.71	<b>2,769.0</b>	<b>118,650</b>	17.5
21' 2	16' 6	77.6%	127,180	3,028	481,427	481.43	<b>485.66</b>	244.67	24.89	5.73	<b>2,782.8</b>	<b>118,826</b>	17.5
21' 3	16' 5	77.8%	127,366	3,033	482,134	482.13	<b>486.37</b>	244.67	24.91	5.75	<b>2,796.6</b>	<b>119,000</b>	17.5
21' 4	16' 4	77.9%	127,553	3,037	482,840	482.84	<b>487.08</b>	244.67	24.93	5.77	<b>2,810.5</b>	<b>119,174</b>	17.5
21' 5	16' 3	78.0%	127,740	3,041	483,547	483.55	<b>487.80</b>	244.67	24.95	5.80	<b>2,829.2</b>	<b>119,350</b>	17.5
21' 6	16' 2	78.1%	127,926	3,046	484,254	484.25	<b>488.51</b>	244.67	24.96	5.82	<b>2,843.1</b>	<b>119,524</b>	17.5
21' 7	16' 1	78.2%	128,113	3,050	484,960	484.96	<b>489.22</b>	244.67	24.98	5.84	<b>2,857.0</b>	<b>119,697</b>	17.5
21' 8	16' 0	78.3%	128,300	3,055	485,668	485.67	<b>489.94</b>	244.67	25.00	5.87	<b>2,875.9</b>	<b>119,874</b>	17.5
21' 9	15' 11	78.4%	128,487	3,059	486,374	486.37	<b>490.65</b>	244.67	25.01	5.89	<b>2,889.9</b>	<b>120,047</b>	17.5
21' 10	15' 10	78.6%	128,673	3,064	487,081	487.08	<b>491.36</b>	244.67	25.03	5.91	<b>2,903.9</b>	<b>120,221</b>	17.5
21' 11	15' 9	78.7%	128,860	3,068	487,788	487.79	<b>492.07</b>	244.67	25.05	5.94	<b>2,922.9</b>	<b>120,395</b>	17.5
22' 0	15' 8	78.8%	129,047	3,073	488,495	488.49	<b>492.79</b>	244.67	25.06	5.96	<b>2,937.0</b>	<b>120,571</b>	17.5

Tank		Ballast #4 PORT												
Specific Gravity		1.025												
Trim		0												
Capacity		163,798 Gallons												
Label(s)		Ball#4.p												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
22' 1	15' 7	78.9%	129,233	3,077	489,202	489.20	<b>493.50</b>	244.67	25.08	5.98	<b>2,951.1</b>	<b>120,745</b>	17.5	
22' 2	15' 6	79.0%	129,420	3,081	489,908	489.91	<b>494.21</b>	244.67	25.10	6.01	<b>2,970.2</b>	<b>120,918</b>	17.5	
22' 3	15' 5	79.1%	129,607	3,086	490,615	490.62	<b>494.93</b>	244.67	25.11	6.03	<b>2,984.4</b>	<b>121,095</b>	17.5	
22' 4	15' 4	79.2%	129,794	3,090	491,322	491.32	<b>495.64</b>	244.67	25.13	6.05	<b>2,998.6</b>	<b>121,268</b>	17.5	
22' 5	15' 3	79.4%	129,980	3,095	492,029	492.03	<b>496.35</b>	244.67	25.15	6.08	<b>3,017.8</b>	<b>121,442</b>	17.5	
22' 6	15' 2	79.5%	130,167	3,099	492,736	492.74	<b>497.07</b>	244.67	25.16	6.10	<b>3,032.1</b>	<b>121,618</b>	17.5	
22' 7	15' 1	79.6%	130,354	3,104	493,442	493.44	<b>497.78</b>	244.67	25.18	6.12	<b>3,046.4</b>	<b>121,792</b>	17.5	
22' 8	15' 0	79.7%	130,540	3,108	494,149	494.15	<b>498.49</b>	244.67	25.19	6.15	<b>3,065.7</b>	<b>121,966</b>	17.5	
22' 9	14' 11	79.8%	130,727	3,113	494,856	494.86	<b>499.21</b>	244.67	25.21	6.17	<b>3,080.1</b>	<b>122,142</b>	17.5	
22' 10	14' 10	79.9%	130,914	3,117	495,563	495.56	<b>499.92</b>	244.67	25.23	6.19	<b>3,094.5</b>	<b>122,315</b>	17.5	
22' 11	14' 9	80.0%	131,101	3,121	496,270	496.27	<b>500.63</b>	244.67	25.24	6.22	<b>3,113.9</b>	<b>122,489</b>	17.5	
23' 0	14' 8	80.2%	131,287	3,126	496,976	496.98	<b>501.34</b>	244.67	25.26	6.24	<b>3,128.4</b>	<b>122,663</b>	17.5	
23' 1	14' 7	80.3%	131,474	3,130	497,683	497.68	<b>502.06</b>	244.67	25.27	6.27	<b>3,147.9</b>	<b>122,839</b>	17.5	
23' 2	14' 6	80.4%	131,661	3,135	498,390	498.39	<b>502.77</b>	244.67	25.29	6.29	<b>3,162.4</b>	<b>123,013</b>	17.5	
23' 3	14' 5	80.5%	131,848	3,139	499,097	499.10	<b>503.48</b>	244.67	25.31	6.31	<b>3,177.0</b>	<b>123,186</b>	17.5	
23' 4	14' 4	80.6%	132,034	3,144	499,804	499.80	<b>504.20</b>	244.67	25.32	6.34	<b>3,196.6</b>	<b>123,363</b>	17.5	
23' 5	14' 3	80.7%	132,221	3,148	500,511	500.51	<b>504.91</b>	244.67	25.34	6.36	<b>3,211.2</b>	<b>123,536</b>	17.5	
23' 6	14' 2	80.8%	132,408	3,153	501,217	501.22	<b>505.62</b>	244.67	25.35	6.39	<b>3,230.9</b>	<b>123,710</b>	17.5	
23' 7	14' 1	81.0%	132,594	3,157	501,924	501.92	<b>506.34</b>	244.67	25.37	6.41	<b>3,245.6</b>	<b>123,886</b>	17.5	
23' 8	14' 0	81.1%	132,781	3,161	502,631	502.63	<b>507.05</b>	244.67	25.39	6.44	<b>3,265.4</b>	<b>124,060</b>	17.5	
23' 9	13' 11	81.2%	132,968	3,166	503,338	503.34	<b>507.76</b>	244.67	25.40	6.46	<b>3,280.1</b>	<b>124,234</b>	17.5	
23' 10	13' 10	81.3%	133,155	3,170	504,045	504.04	<b>508.47</b>	244.67	25.42	6.48	<b>3,294.9</b>	<b>124,407</b>	17.5	
23' 11	13' 9	81.4%	133,341	3,175	504,751	504.75	<b>509.19</b>	244.67	25.43	6.51	<b>3,314.8</b>	<b>124,584</b>	17.5	
24' 0	13' 8	81.5%	133,528	3,179	505,458	505.46	<b>509.90</b>	244.67	25.45	6.53	<b>3,329.6</b>	<b>124,757</b>	17.5	
24' 1	13' 7	81.6%	133,715	3,184	506,165	506.17	<b>510.61</b>	244.67	25.46	6.56	<b>3,349.6</b>	<b>124,931</b>	17.5	
24' 2	13' 6	81.7%	133,901	3,188	506,872	506.87	<b>511.33</b>	244.67	25.48	6.58	<b>3,364.6</b>	<b>125,107</b>	17.5	
24' 3	13' 5	81.9%	134,088	3,193	507,579	507.58	<b>512.04</b>	244.67	25.49	6.61	<b>3,384.6</b>	<b>125,281</b>	17.5	
24' 4	13' 4	82.0%	134,275	3,197	508,285	508.29	<b>512.75</b>	244.67	25.51	6.63	<b>3,399.5</b>	<b>125,455</b>	17.5	
24' 5	13' 3	82.1%	134,462	3,201	508,992	508.99	<b>513.47</b>	244.67	25.52	6.66	<b>3,419.7</b>	<b>125,631</b>	17.5	
24' 6	13' 2	82.2%	134,648	3,206	509,699	509.70	<b>514.18</b>	244.67	25.54	6.68	<b>3,434.7</b>	<b>125,804</b>	17.5	
24' 7	13' 1	82.3%	134,835	3,210	510,406	510.41	<b>514.89</b>	244.67	25.55	6.71	<b>3,454.9</b>	<b>125,978</b>	17.5	
24' 8	13' 0	82.4%	135,022	3,215	511,113	511.11	<b>515.60</b>	244.67	25.57	6.73	<b>3,470.0</b>	<b>126,152</b>	17.5	
24' 9	12' 11	82.5%	135,208	3,219	511,819	511.82	<b>516.32</b>	244.67	25.58	6.76	<b>3,490.3</b>	<b>126,328</b>	17.5	

Tank		Ballast #4 PORT												
Specific Gravity		1.025												
Trim		0												
Capacity		163,798 Gallons												
Label(s)		Ball#4.p												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
24' 10	12' 10	82.7%	135,395	3,224	512,526	512.53	517.03	244.67	25.60	6.78	3,505.5	126,502	17.5	
24' 11	12' 9	82.8%	135,582	3,228	513,233	513.23	517.74	244.67	25.62	6.81	3,525.8	126,675	17.5	
25' 0	12' 8	82.9%	135,769	3,233	513,940	513.94	518.46	244.67	25.63	6.83	3,541.1	126,852	17.5	
25' 1	12' 7	83.0%	135,955	3,237	514,647	514.65	519.17	244.67	25.64	6.86	3,561.5	127,025	17.5	
25' 2	12' 6	83.1%	136,142	3,241	515,354	515.35	519.88	244.67	25.66	6.88	3,576.8	127,199	17.5	
25' 3	12' 5	83.2%	136,329	3,246	516,061	516.06	520.60	244.67	25.67	6.91	3,597.3	127,375	17.5	
25' 4	12' 4	83.3%	136,516	3,250	516,767	516.77	521.31	244.67	25.69	6.93	3,612.7	127,549	17.5	
25' 5	12' 3	83.5%	136,702	3,255	517,474	517.47	522.02	244.67	25.70	6.96	3,633.3	127,723	17.5	
25' 6	12' 2	83.6%	136,889	3,259	518,181	518.18	522.74	244.67	25.72	6.98	3,648.7	127,899	17.5	
25' 7	12' 1	83.7%	137,076	3,264	518,888	518.89	523.45	244.67	25.73	7.01	3,669.4	128,073	17.5	
25' 8	12' 0	83.8%	137,262	3,268	519,594	519.59	524.16	244.67	25.75	7.03	3,684.8	128,246	17.5	
25' 9	11' 11	83.9%	137,449	3,273	520,301	520.30	524.87	244.67	25.76	7.06	3,705.6	128,420	17.5	
25' 10	11' 10	84.0%	137,636	3,277	521,008	521.01	525.59	244.67	25.78	7.09	3,726.4	128,596	17.5	
25' 11	11' 9	84.1%	137,823	3,281	521,715	521.71	526.30	244.67	25.79	7.11	3,742.0	128,770	17.5	
26' 0	11' 8	84.3%	138,009	3,286	522,422	522.42	527.01	244.67	25.81	7.14	3,762.9	128,944	17.5	
26' 1	11' 7	84.4%	138,196	3,290	523,128	523.13	527.73	244.67	25.82	7.16	3,778.5	129,120	17.5	
26' 2	11' 6	84.5%	138,383	3,295	523,835	523.84	528.44	244.67	25.84	7.19	3,799.5	129,293	17.5	
26' 3	11' 5	84.6%	138,569	3,299	524,542	524.54	529.15	244.67	25.85	7.21	3,815.2	129,467	17.5	
26' 4	11' 4	84.7%	138,756	3,304	525,249	525.25	529.87	244.67	25.86	7.24	3,836.3	129,643	17.5	
26' 5	11' 3	84.8%	138,943	3,308	525,956	525.96	530.58	244.67	25.88	7.27	3,857.3	129,817	17.5	
26' 6	11' 2	84.9%	139,130	3,313	526,662	526.66	531.29	244.67	25.89	7.29	3,873.1	129,991	17.5	
26' 7	11' 1	85.1%	139,316	3,317	527,369	527.37	532.0	244.67	25.91	7.32	3,894.2	130,164	17.5	
26' 8	11' 0	85.2%	139,503	3,322	528,076	528.08	532.72	244.67	25.92	7.34	3,910.2	130,341	17.5	
26' 9	10' 11	85.3%	139,690	3,326	528,783	528.78	533.43	244.67	25.94	7.37	3,931.4	130,514	17.5	
26' 10	10' 10	85.4%	139,876	3,330	529,490	529.49	534.14	244.67	25.95	7.39	3,947.3	130,688	17.5	
26' 11	10' 9	85.5%	140,063	3,335	530,197	530.20	534.86	244.67	25.96	7.42	3,968.7	130,864	17.5	
27' 0	10' 8	85.6%	140,250	3,339	530,904	530.90	535.57	244.67	25.98	7.45	3,990.0	131,038	17.5	
27' 1	10' 7	85.7%	140,437	3,344	531,610	531.61	536.28	244.67	25.99	7.47	4,006.0	131,212	17.5	
27' 2	10' 6	85.9%	140,623	3,348	532,317	532.32	537.0	244.67	26.01	7.50	4,027.5	131,388	17.5	
27' 3	10' 5	86.0%	140,810	3,353	533,024	533.02	537.71	244.67	26.02	7.53	4,049.0	131,562	17.5	
27' 4	10' 4	86.1%	140,997	3,357	533,731	533.73	538.42	244.67	26.03	7.55	4,065.1	131,735	17.5	
27' 5	10' 3	86.2%	141,183	3,362	534,437	534.44	539.13	244.67	26.05	7.58	4,086.6	131,909	17.5	
27' 6	10' 2	86.3%	141,370	3,366	535,144	535.14	539.85	244.67	26.06	7.60	4,102.9	132,085	17.5	



Tank		Ballast #4 PORT												
Specific Gravity		1.025												
Trim		0												
Capacity		163,798 Gallons												
Label(s)		Ball#4.p												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
27' 7	10' 1	86.4%	141,557	3,370	535,851	535.85	540.56	244.67	26.08	7.63	4,124.5	132,259	17.5	
27' 8	10' 0	86.5%	141,744	3,375	536,558	536.56	541.27	244.67	26.09	7.66	4,146.1	132,433	17.5	
27' 9	9' 11	86.6%	141,930	3,379	537,265	537.26	541.99	244.67	26.10	7.68	4,162.5	132,609	17.5	
27' 10	9' 10	86.8%	142,117	3,384	537,971	537.97	542.70	244.67	26.12	7.71	4,184.2	132,782	17.5	
27' 11	9' 9	86.9%	142,304	3,388	538,678	538.68	543.41	244.67	26.13	7.74	4,206.0	132,956	17.5	
28' 0	9' 8	87.0%	142,491	3,393	539,385	539.39	544.13	244.67	26.14	7.76	4,222.4	133,132	17.5	
28' 1	9' 7	87.1%	142,677	3,397	540,092	540.09	544.84	244.67	26.16	7.79	4,244.3	133,306	17.5	
28' 2	9' 6	87.2%	142,864	3,402	540,799	540.80	545.55	244.67	26.17	7.82	4,266.2	133,480	17.5	
28' 3	9' 5	87.3%	143,051	3,406	541,506	541.51	546.26	244.67	26.18	7.84	4,282.7	133,653	17.5	
28' 4	9' 4	87.4%	143,237	3,410	542,213	542.21	546.98	244.67	26.20	7.87	4,304.7	133,830	17.5	
28' 5	9' 3	87.6%	143,424	3,415	542,919	542.92	547.69	244.67	26.21	7.90	4,326.8	134,003	17.5	
28' 6	9' 2	87.7%	143,611	3,419	543,626	543.63	548.40	244.67	26.22	7.92	4,343.3	134,177	17.5	
28' 7	9' 1	87.8%	143,798	3,424	544,333	544.33	549.12	244.67	26.24	7.95	4,365.5	134,353	17.5	
28' 8	9' 0	87.9%	143,984	3,428	545,039	545.04	549.83	244.67	26.25	7.98	4,387.6	134,527	17.5	
28' 9	8' 11	88.0%	144,171	3,433	545,747	545.75	550.54	244.67	26.26	8.01	4,409.8	134,701	17.5	
28' 10	8' 10	88.1%	144,358	3,437	546,453	546.45	551.26	244.67	26.28	8.03	4,426.6	134,877	17.5	
28' 11	8' 9	88.2%	144,544	3,442	547,160	547.16	551.97	244.67	26.29	8.06	4,448.9	135,050	17.5	
29' 0	8' 8	88.4%	144,731	3,446	547,867	547.87	552.68	244.67	26.30	8.09	4,471.2	135,224	17.5	
29' 1	8' 7	88.5%	144,918	3,450	548,574	548.57	553.40	244.67	26.32	8.11	4,488.1	135,400	17.5	
29' 2	8' 6	88.6%	145,105	3,455	549,281	549.28	554.11	244.67	26.33	8.14	4,510.5	135,574	17.5	
29' 3	8' 5	88.7%	145,291	3,459	549,987	549.99	554.82	244.67	26.34	8.17	4,532.9	135,748	17.5	
29' 4	8' 4	88.8%	145,478	3,464	550,694	550.69	555.53	244.67	26.36	8.20	4,555.3	135,922	17.5	
29' 5	8' 3	88.9%	145,665	3,468	551,401	551.40	556.25	244.67	26.37	8.22	4,572.4	136,098	17.5	
29' 6	8' 2	89.0%	145,852	3,473	552,108	552.11	556.96	244.67	26.38	8.25	4,594.9	136,271	17.5	
29' 7	8' 1	89.2%	146,038	3,477	552,815	552.81	557.67	244.67	26.40	8.28	4,617.5	136,445	17.5	
29' 8	8' 0	89.3%	146,225	3,482	553,521	553.52	558.39	244.67	26.41	8.30	4,634.6	136,621	17.5	
29' 9	7' 11	89.4%	146,412	3,486	554,228	554.23	559.10	244.67	26.42	8.33	4,657.3	136,795	17.5	
29' 10	7' 10	89.5%	146,598	3,490	554,935	554.93	559.81	244.67	26.43	8.36	4,680.0	136,969	17.5	
29' 11	7' 9	89.6%	146,785	3,495	555,642	555.64	560.53	244.67	26.45	8.39	4,702.8	137,145	17.5	
30' 0	7' 8	89.7%	146,972	3,499	556,349	556.35	561.24	244.67	26.46	8.41	4,720.0	137,319	17.5	
30' 1	7' 7	89.8%	147,159	3,504	557,056	557.06	561.95	244.67	26.47	8.44	4,742.9	137,492	17.5	
30' 2	7' 6	90.0%	147,345	3,508	557,762	557.76	562.66	244.67	26.49	8.47	4,765.7	137,666	17.5	
30' 3	7' 5	90.1%	147,532	3,513	558,469	558.47	563.38	244.67	26.50	8.50	4,788.7	137,842	17.5	

Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
30' 4	7' 4	90.2%	147,719	3,517	559,176	559.18	<b>564.09</b>	244.67	26.51	8.52	<b>4,806.0</b>	<b>138,016</b>	17.5
30' 5	7' 3	90.3%	147,905	3,522	559,883	559.88	<b>564.80</b>	244.67	26.52	8.55	<b>4,829.0</b>	<b>138,190</b>	17.5
30' 6	7' 2	90.4%	148,092	3,526	560,590	560.59	<b>565.52</b>	244.67	26.54	8.58	<b>4,852.2</b>	<b>138,366</b>	17.5
30' 7	7' 1	90.5%	148,279	3,530	561,296	561.30	<b>566.23</b>	244.67	26.55	8.61	<b>4,875.2</b>	<b>138,539</b>	17.5
30' 8	7' 0	90.6%	148,466	3,535	562,003	562.0	<b>566.94</b>	244.67	26.56	8.64	<b>4,898.4</b>	<b>138,713</b>	17.5
30' 9	6' 11	90.8%	148,652	3,539	562,710	562.71	<b>567.66</b>	244.67	26.57	8.66	<b>4,915.9</b>	<b>138,889</b>	17.5
30' 10	6' 10	90.9%	148,839	3,544	563,417	563.42	<b>568.37</b>	244.67	26.59	8.69	<b>4,939.1</b>	<b>139,063</b>	17.5
30' 11	6' 9	91.0%	149,026	3,548	564,124	564.12	<b>569.08</b>	244.67	26.60	8.72	<b>4,962.4</b>	<b>139,237</b>	17.5
31' 0	6' 8	91.1%	149,212	3,553	564,830	564.83	<b>569.79</b>	244.67	26.61	8.75	<b>4,985.7</b>	<b>139,411</b>	17.5
31' 1	6' 7	91.2%	149,399	3,557	565,537	565.54	<b>570.51</b>	244.67	26.62	8.78	<b>5,009.1</b>	<b>139,587</b>	17.5
31' 2	6' 6	91.3%	149,586	3,562	566,244	566.24	<b>571.22</b>	244.67	26.64	8.80	<b>5,026.7</b>	<b>139,760</b>	17.5
31' 3	6' 5	91.4%	149,773	3,566	566,951	566.95	<b>571.93</b>	244.67	26.65	8.83	<b>5,050.1</b>	<b>139,934</b>	17.5
31' 4	6' 4	91.6%	149,959	3,570	567,658	567.66	<b>572.65</b>	244.67	26.66	8.86	<b>5,073.7</b>	<b>140,110</b>	17.5
31' 5	6' 3	91.7%	150,146	3,575	568,364	568.36	<b>573.36</b>	244.67	26.67	8.89	<b>5,097.2</b>	<b>140,284</b>	17.5
31' 6	6' 2	91.8%	150,333	3,579	569,071	569.07	<b>574.07</b>	244.67	26.69	8.92	<b>5,120.7</b>	<b>140,458</b>	17.5
31' 7	6' 1	91.9%	150,520	3,584	569,778	569.78	<b>574.79</b>	244.67	26.70	8.94	<b>5,138.6</b>	<b>140,634</b>	17.5
31' 8	6' 0	92.0%	150,706	3,588	570,485	570.49	<b>575.50</b>	244.67	26.71	8.97	<b>5,162.2</b>	<b>140,808</b>	17.5
31' 9	5' 11	92.1%	150,893	3,593	571,192	571.19	<b>576.21</b>	244.67	26.72	9.00	<b>5,185.9</b>	<b>140,981</b>	17.5
31' 10	5' 10	92.2%	151,080	3,597	571,898	571.90	<b>576.92</b>	244.67	26.73	9.03	<b>5,209.6</b>	<b>141,155</b>	17.5
31' 11	5' 9	92.3%	151,266	3,602	572,605	572.61	<b>577.64</b>	244.67	26.75	9.06	<b>5,233.4</b>	<b>141,331</b>	17.5
32' 0	5' 8	92.5%	151,453	3,606	573,312	573.31	<b>578.35</b>	244.67	26.76	9.09	<b>5,257.2</b>	<b>141,505</b>	17.5
32' 1	5' 7	92.6%	151,640	3,610	574,019	574.02	<b>579.06</b>	244.67	26.77	9.11	<b>5,275.2</b>	<b>141,679</b>	17.5
32' 2	5' 6	92.7%	151,827	3,615	574,726	574.73	<b>579.78</b>	244.67	26.78	9.14	<b>5,299.2</b>	<b>141,855</b>	17.5
32' 3	5' 5	92.8%	152,013	3,619	575,433	575.43	<b>580.49</b>	244.67	26.79	9.17	<b>5,323.1</b>	<b>142,028</b>	17.5
32' 4	5' 4	92.9%	152,200	3,624	576,139	576.14	<b>581.20</b>	244.67	26.81	9.20	<b>5,347.0</b>	<b>142,202</b>	17.5
32' 5	5' 3	93.0%	152,387	3,628	576,846	576.85	<b>581.92</b>	244.67	26.82	9.23	<b>5,371.1</b>	<b>142,378</b>	17.5
32' 6	5' 2	93.1%	152,573	3,633	577,553	577.55	<b>582.63</b>	244.67	26.83	9.26	<b>5,395.2</b>	<b>142,552</b>	17.5
32' 7	5' 1	93.3%	152,760	3,637	578,260	578.26	<b>583.34</b>	244.67	26.84	9.28	<b>5,413.4</b>	<b>142,726</b>	17.5
32' 8	5' 0	93.4%	152,947	3,642	578,967	578.97	<b>584.06</b>	244.67	26.85	9.31	<b>5,437.6</b>	<b>142,902</b>	17.5
32' 9	4' 11	93.5%	153,134	3,646	579,673	579.67	<b>584.77</b>	244.67	26.86	9.34	<b>5,461.8</b>	<b>143,076</b>	17.5
32' 10	4' 10	93.6%	153,320	3,650	580,380	580.38	<b>585.48</b>	244.67	26.88	9.37	<b>5,485.9</b>	<b>143,249</b>	17.5
32' 11	4' 9	93.7%	153,507	3,655	581,087	581.09	<b>586.19</b>	244.67	26.89	9.40	<b>5,510.2</b>	<b>143,423</b>	17.5
33' 0	4' 8	93.8%	153,694	3,659	581,794	581.79	<b>586.91</b>	244.67	26.90	9.43	<b>5,534.6</b>	<b>143,599</b>	17.5

Tank		Ballast #4 PORT												
Specific Gravity		1.025												
Trim		0												
Capacity		163,798 Gallons												
Label(s)		Ball#4.p												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
33' 1	4' 7	93.9%	153,880	3,664	582,500	582.50	<b>587.62</b>	244.67	26.91	9.46	<b>5,558.9</b>	<b>143,773</b>	17.5	
33' 2	4' 6	94.1%	154,067	3,668	583,207	583.21	<b>588.33</b>	244.67	26.92	9.49	<b>5,583.3</b>	<b>143,947</b>	17.5	
33' 3	4' 5	94.2%	154,254	3,673	583,914	583.91	<b>589.05</b>	244.67	26.94	9.51	<b>5,601.9</b>	<b>144,123</b>	17.5	
33' 4	4' 4	94.3%	154,441	3,677	584,621	584.62	<b>589.76</b>	244.67	26.95	9.54	<b>5,626.3</b>	<b>144,297</b>	17.5	
33' 5	4' 3	94.4%	154,627	3,682	585,328	585.33	<b>590.47</b>	244.67	26.96	9.57	<b>5,650.8</b>	<b>144,470</b>	17.5	
33' 6	4' 2	94.5%	154,814	3,686	586,034	586.03	<b>591.19</b>	244.67	26.97	9.60	<b>5,675.4</b>	<b>144,646</b>	17.5	
33' 7	4' 1	94.6%	155,001	3,690	586,741	586.74	<b>591.90</b>	244.67	26.98	9.63	<b>5,700.0</b>	<b>144,820</b>	17.5	
33' 8	4' 0	94.7%	155,187	3,695	587,448	587.45	<b>592.61</b>	244.67	26.99	9.66	<b>5,724.6</b>	<b>144,994</b>	17.5	
33' 9	3' 11	94.9%	155,374	3,699	588,155	588.15	<b>593.32</b>	244.67	27.00	9.69	<b>5,749.3</b>	<b>145,168</b>	17.5	
33' 10	3' 10	95.0%	155,561	3,704	588,862	588.86	<b>594.04</b>	244.67	27.02	9.72	<b>5,774.1</b>	<b>145,344</b>	17.5	
33' 11	3' 9	95.1%	155,748	3,708	589,568	589.57	<b>594.75</b>	244.67	27.03	9.75	<b>5,798.8</b>	<b>145,517</b>	17.5	
34' 0	3' 8	95.2%	155,934	3,713	590,275	590.28	<b>595.46</b>	244.67	27.04	9.78	<b>5,823.6</b>	<b>145,691</b>	17.5	
34' 1	3' 7	95.3%	156,121	3,717	590,982	590.98	<b>596.18</b>	244.67	27.05	9.80	<b>5,842.6</b>	<b>145,867</b>	17.5	
34' 2	3' 6	95.4%	156,308	3,722	591,689	591.69	<b>596.89</b>	244.67	27.06	9.83	<b>5,867.4</b>	<b>146,041</b>	17.5	
34' 3	3' 5	95.5%	156,494	3,726	592,396	592.40	<b>597.60</b>	244.67	27.07	9.86	<b>5,892.3</b>	<b>146,215</b>	17.5	
34' 4	3' 4	95.7%	156,681	3,731	593,102	593.10	<b>598.32</b>	244.67	27.08	9.89	<b>5,917.4</b>	<b>146,391</b>	17.5	
34' 5	3' 3	95.8%	156,868	3,735	593,809	593.81	<b>599.03</b>	244.67	27.09	9.92	<b>5,942.4</b>	<b>146,565</b>	17.5	
34' 6	3' 2	95.9%	157,055	3,739	594,516	594.52	<b>599.74</b>	244.67	27.11	9.95	<b>5,967.4</b>	<b>146,738</b>	17.5	
34' 7	3' 1	96.0%	157,241	3,744	595,223	595.22	<b>600.45</b>	244.67	27.12	9.98	<b>5,992.5</b>	<b>146,912</b>	17.5	
34' 8	3' 0	96.1%	157,428	3,748	595,930	595.93	<b>601.17</b>	244.67	27.13	10.01	<b>6,017.7</b>	<b>147,088</b>	17.5	
34' 9	2' 11	96.2%	157,615	3,753	596,637	596.64	<b>601.88</b>	244.67	27.14	10.04	<b>6,042.9</b>	<b>147,262</b>	17.5	
34' 10	2' 10	96.3%	157,801	3,757	597,343	597.34	<b>602.59</b>	244.67	27.15	10.07	<b>6,068.1</b>	<b>147,436</b>	17.5	
34' 11	2' 9	96.5%	157,988	3,762	598,050	598.05	<b>603.31</b>	244.67	27.16	10.10	<b>6,093.4</b>	<b>147,612</b>	17.5	
35' 0	2' 8	96.6%	158,175	3,766	598,757	598.76	<b>604.02</b>	244.67	27.17	10.13	<b>6,118.7</b>	<b>147,786</b>	17.5	
35' 1	2' 7	96.7%	158,362	3,771	599,463	599.46	<b>604.73</b>	244.67	27.18	10.16	<b>6,144.1</b>	<b>147,959</b>	17.5	
35' 2	2' 6	96.8%	158,548	3,775	600,170	600.17	<b>605.45</b>	244.67	27.19	10.19	<b>6,169.5</b>	<b>148,135</b>	17.5	
35' 3	2' 5	96.9%	158,735	3,779	600,877	600.88	<b>606.16</b>	244.67	27.21	10.22	<b>6,195.0</b>	<b>148,309</b>	17.5	
35' 4	2' 4	97.0%	158,922	3,784	601,584	601.58	<b>606.87</b>	244.67	27.22	10.25	<b>6,220.4</b>	<b>148,483</b>	17.5	
35' 5	2' 3	97.1%	159,108	3,788	602,291	602.29	<b>607.58</b>	244.67	27.23	10.27	<b>6,239.8</b>	<b>148,657</b>	17.5	
35' 6	2' 2	97.3%	159,295	3,793	602,998	603.0	<b>608.30</b>	244.67	27.24	10.30	<b>6,265.5</b>	<b>148,833</b>	17.5	
35' 7	2' 1	97.4%	159,482	3,797	603,704	603.70	<b>609.01</b>	244.67	27.25	10.33	<b>6,291.1</b>	<b>149,006</b>	17.5	
35' 8	2' 0	97.5%	159,669	3,802	604,411	604.41	<b>609.72</b>	244.67	27.26	10.36	<b>6,316.7</b>	<b>149,180</b>	17.5	
35' 9	1' 11	97.6%	159,855	3,806	605,118	605.12	<b>610.44</b>	244.67	27.27	10.39	<b>6,342.5</b>	<b>149,356</b>	17.5	

Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
35' 10	1' 10	97.7%	160,042	3,811	605,825	605.82	<b>611.15</b>	244.67	27.28	10.42	<b>6,368.2</b>	<b>149,530</b>	17.5
35' 11	1' 9	97.8%	160,229	3,815	606,532	606.53	<b>611.86</b>	244.67	27.29	10.45	<b>6,393.9</b>	<b>149,704</b>	17.5
36' 0	1' 8	97.9%	160,415	3,819	607,238	607.24	<b>612.58</b>	244.67	27.30	10.48	<b>6,419.8</b>	<b>149,880</b>	17.5
36' 1	1' 7	98.0%	160,602	3,824	607,945	607.95	<b>613.29</b>	244.67	27.31	10.51	<b>6,445.7</b>	<b>150,054</b>	17.5
36' 2	1' 6	98.2%	160,789	3,828	608,652	608.65	<b>614.0</b>	244.67	27.32	10.54	<b>6,471.6</b>	<b>150,227</b>	17.5
36' 3	1' 5	98.3%	160,976	3,833	609,359	609.36	<b>614.71</b>	244.67	27.34	10.57	<b>6,497.5</b>	<b>150,401</b>	17.5
36' 4	1' 4	98.4%	161,162	3,837	610,066	610.07	<b>615.43</b>	244.67	27.35	10.60	<b>6,523.6</b>	<b>150,577</b>	17.5
36' 5	1' 3	98.5%	161,349	3,842	610,772	610.77	<b>616.14</b>	244.67	27.36	10.63	<b>6,549.6</b>	<b>150,751</b>	17.5
36' 6	1' 2	98.6%	161,536	3,846	611,479	611.48	<b>616.85</b>	244.67	27.37	10.66	<b>6,575.6</b>	<b>150,925</b>	17.5
36' 7	1' 1	98.7%	161,722	3,851	612,184	612.18	<b>617.56</b>	244.67	27.38	10.69	<b>6,601.7</b>	<b>151,098</b>	17.3
36' 8	1' 0	98.8%	161,908	3,855	612,887	612.89	<b>618.27</b>	244.67	27.39	10.72	<b>6,627.9</b>	<b>151,272</b>	17.1
36' 9	0' 11	99.0%	162,092	3,859	613,586	613.59	<b>618.98</b>	244.67	27.40	10.75	<b>6,654.0</b>	<b>151,446</b>	16.9
36' 10	0' 10	99.1%	162,276	3,864	614,281	614.28	<b>619.68</b>	244.67	27.41	10.78	<b>6,680.2</b>	<b>151,617</b>	16.6
36' 11	0' 9	99.2%	162,459	3,868	614,975	614.97	<b>620.38</b>	244.67	27.42	10.81	<b>6,706.3</b>	<b>151,788</b>	16.4
37' 0	0' 8	99.3%	162,641	3,872	615,665	615.66	<b>621.08</b>	244.67	27.43	10.84	<b>6,732.5</b>	<b>151,960</b>	16.1
37' 1	0' 7	99.4%	162,821	3,877	616,345	616.35	<b>621.76</b>	244.67	27.44	10.87	<b>6,758.5</b>	<b>152,126</b>	15.3
37' 2	0' 6	99.5%	162,998	3,881	617,014	617.01	<b>622.44</b>	244.67	27.45	10.90	<b>6,784.6</b>	<b>152,292</b>	14.5
37' 3	0' 5	99.6%	163,172	3,885	617,672	617.67	<b>623.10</b>	244.67	27.46	10.93	<b>6,810.5</b>	<b>152,454</b>	13.7
37' 4	0' 4	99.7%	163,342	3,889	618,318	618.32	<b>623.75</b>	244.67	27.47	10.95	<b>6,830.1</b>	<b>152,613</b>	13.0
37' 5	0' 3	99.8%	163,508	3,893	618,945	618.95	<b>624.38</b>	244.67	27.48	10.98	<b>6,855.7</b>	<b>152,767</b>	11.2
37' 6	0' 2	99.9%	163,663	3,897	619,533	619.53	<b>624.98</b>	244.67	27.48	11.01	<b>6,881.0</b>	<b>152,914</b>	9.3
37' 7	0' 1	100.0%	163,798	3,900	620,041	620.04	<b>625.49</b>	244.67	27.49	11.03	<b>6,899.2</b>	<b>153,039</b>	2.0

Tank		Ballast #4 STBD											
Specific Gravity		1.025											
Trim		0											
Capacity		170,859 Gallons											
Label(s)		Ball#4.s											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
0' 1	37' 7	0	2068	49	7827	8	8	245	18	0	1	1933	8882
0' 2	37' 6	0	3559	85	13473	13	14	245	18	0	2	3325	8987
0' 3	37' 5	0	5057	120	19142	19	19	245	18	0	4	4725	9093
0' 4	37' 4	0	6560	156	24832	25	25	245	18	0	6	6129	9185
0' 5	37' 3	0	8067	192	30535	31	31	245	18	0	9	7536	9233
0' 6	37' 2	0	9576	228	36248	36	37	245	18	0	12	8948	9282
0' 7	37' 1	0	11088	264	41972	42	42	245	18	0	16	10359	9330
0' 8	37' 0	0	12602	300	47705	48	48	245	18	0	20	11774	9379
0' 9	36' 11	0	14120	336	53448	53	54	245	18	0	24	13193	9423
0' 10	36' 10	0	15638	372	59198	59	60	245	18	1	30	14612	9444
0' 11	36' 9	0	17158	409	64951	65	66	245	18	1	35	16031	9464
1' 0	36' 8	0	18679	445	70709	71	71	245	19	1	41	17452	9485
1' 1	36' 7	0	20201	481	76470	76	77	245	19	1	48	18874	9505
1' 2	36' 6	0	21725	517	82236	82	83	245	19	1	55	20298	9524
1' 3	36' 5	0	23249	554	88006	88	89	245	19	1	63	21722	9539
1' 4	36' 4	0	24773	590	93777	94	95	245	19	1	71	23146	9544
1' 5	36' 3	0	26298	626	99549	100	100	245	19	1	79	24570	9550
1' 6	36' 2	0	27823	662	105322	105	106	245	19	1	88	25996	9553
1' 7	36' 1	0	29348	699	111096	111	112	245	19	1	98	27420	9553
1' 8	36' 0	0	30874	735	116869	117	118	245	19	1	107	28847	9553
1' 9	35' 11	0	32399	771	122643	123	124	245	19	1	119	30271	9553
1' 10	35' 10	0	33924	808	128416	128	130	245	19	1	130	31697	9553
1' 11	35' 9	0	35449	844	134190	134	135	245	19	1	141	33121	9553
2' 0	35' 8	0	36974	880	139963	140	141	245	19	1	152	34545	9553
2' 1	35' 7	0	38500	917	145737	146	147	245	19	1	165	35971	9553
2' 2	35' 6	0	40025	953	151510	152	153	245	19	1	179	37395	9553
2' 3	35' 5	0	41550	989	157284	157	159	245	19	1	192	38822	9553
2' 4	35' 4	0	43075	1026	163057	163	164	245	19	1	206	40246	9553
2' 5	35' 3	0	44600	1062	168831	169	170	245	19	1	220	41670	9553
2' 6	35' 2	0	46126	1098	174604	175	176	245	19	1	234	43096	9553
2' 7	35' 1	0	47651	1135	180378	180	182	245	19	1	249	44520	9553
2' 8	35' 0	0	49176	1171	186151	186	188	245	19	1	267	45947	9553
2' 9	34' 11	0	50701	1207	191925	192	194	245	19	1	283	47371	9553

Tank		Ballast #4 STBD											
Specific Gravity		1.025											
Trim		0											
Capacity		170,859 Gallons											
Label(s)		Ball#4.s											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
2' 10	34' 10	0	52226	1243	197698	198	199	245	19	2	299	48797	9553
2' 11	34' 9	0	53752	1280	203472	203	205	245	19	2	316	50221	9553
3' 0	34' 8	0	55277	1316	209245	209	211	245	19	2	334	51645	9553
3' 1	34' 7	33.2%	56,802	1,352	215,019	215.02	216.91	244.67	18.67	1.62	351.4	53,071	9,552.7
3' 2	34' 6	34.1%	58,327	1,389	220,792	220.79	222.73	244.67	18.67	1.67	372.0	54,495	9,552.7
3' 3	34' 5	35.0%	59,852	1,425	226,566	226.57	228.56	244.67	18.67	1.71	390.8	55,922	9,552.7
3' 4	34' 4	35.9%	61,378	1,461	232,339	232.34	234.38	244.67	18.67	1.75	410.2	57,346	9,552.7
3' 5	34' 3	36.8%	62,903	1,498	238,113	238.11	240.21	244.67	18.68	1.79	430.0	58,772	9,552.7
3' 6	34' 2	37.7%	64,428	1,534	243,886	243.89	246.03	244.67	18.68	1.83	450.2	60,196	9,552.7
3' 7	34' 1	38.6%	65,953	1,570	249,660	249.66	251.85	244.67	18.68	1.87	471.0	61,620	9,552.7
3' 8	34' 0	39.5%	67,478	1,607	255,433	255.43	257.68	244.67	18.68	1.92	494.7	63,047	9,552.7
3' 9	33' 11	40.4%	69,003	1,643	261,207	261.21	263.50	244.67	18.68	1.96	516.5	64,471	9,552.7
3' 10	33' 10	41.3%	70,529	1,679	266,980	266.98	269.33	244.67	18.68	2.00	538.7	65,897	9,552.7
3' 11	33' 9	42.2%	72,054	1,716	272,754	272.75	275.15	244.67	18.68	2.04	561.3	67,321	9,552.7
4' 0	33' 8	43.1%	73,579	1,752	278,527	278.53	280.98	244.67	18.69	2.08	584.4	68,747	9,552.7
4' 1	33' 7	44.0%	75,104	1,788	284,301	284.30	286.80	244.67	18.69	2.12	608.0	70,171	9,552.7
4' 2	33' 6	44.8%	76,629	1,825	290,074	290.07	292.62	244.67	18.69	2.17	635.0	71,595	9,552.7
4' 3	33' 5	45.7%	78,155	1,861	295,848	295.85	298.45	244.67	18.69	2.21	659.6	73,022	9,552.7
4' 4	33' 4	46.6%	79,680	1,897	301,621	301.62	304.27	244.67	18.69	2.25	684.6	74,446	9,552.7
4' 5	33' 3	47.5%	81,205	1,933	307,395	307.39	310.10	244.67	18.69	2.29	710.1	75,872	9,552.7
4' 6	33' 2	48.4%	82,730	1,970	313,168	313.17	315.92	244.67	18.69	2.33	736.1	77,296	9,552.7
4' 7	33' 1	49.3%	84,255	2,006	318,941	318.94	321.74	244.67	18.69	2.37	762.5	78,720	9,552.7
4' 8	33' 0	50.2%	85,781	2,042	324,715	324.72	327.57	244.67	18.70	2.42	792.7	80,147	9,552.7
4' 9	32' 11	51.1%	87,306	2,079	330,489	330.49	333.39	244.67	18.70	2.46	820.1	81,571	9,552.7
4' 10	32' 10	52.0%	88,831	2,115	336,262	336.26	339.22	244.67	18.70	2.50	848.1	82,997	9,552.7
4' 11	32' 9	52.9%	90,356	2,151	342,036	342.04	345.04	244.67	18.70	2.54	876.4	84,421	9,552.7
5' 0	32' 8	53.8%	91,881	2,188	347,809	347.81	350.87	244.67	18.70	2.58	905.2	85,847	9,552.7
5' 1	32' 7	54.7%	93,407	2,224	353,583	353.58	356.69	244.67	18.70	2.62	934.5	87,271	9,552.7
5' 2	32' 6	55.5%	94,912	2,260	359,279	359.28	362.44	244.67	18.70	2.67	967.7	88,678	6,810.4
5' 3	32' 5	56.3%	96,175	2,290	364,061	364.06	367.26	244.67	18.75	2.70	991.6	89,858	4,245.0
5' 4	32' 4	56.9%	97,239	2,315	368,091	368.09	371.33	244.67	18.82	2.73	1,013.7	90,853	2,421.4
5' 5	32' 3	57.4%	98,105	2,336	371,369	371.37	374.63	244.67	18.89	2.75	1,030.2	91,661	1,213.0
5' 6	32' 2	57.8%	98,773	2,352	373,895	373.89	377.18	244.67	18.97	2.77	1,044.8	92,285	493.3

Tank		Ballast #4 STBD												
Specific Gravity		1.025												
Trim		0												
Capacity		170,859 Gallons												
Label(s)		Ball#4.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
5' 7	32' 1	58.1%	99,241	2,363	375,669	375.67	<b>378.97</b>	244.67	19.03	2.79	<b>1,057.3</b>	<b>92,723</b>	135.7	
5' 8	32' 0	58.2%	99,512	2,369	376,693	376.69	<b>380.0</b>	244.67	19.08	2.79	<b>1,060.2</b>	<b>92,975</b>	17.5	
5' 9	31' 11	58.4%	99,698	2,374	377,399	377.40	<b>380.72</b>	244.67	19.11	2.80	<b>1,066.0</b>	<b>93,151</b>	17.5	
5' 10	31' 10	58.5%	99,885	2,378	378,106	378.11	<b>381.43</b>	244.67	19.14	2.81	<b>1,071.8</b>	<b>93,324</b>	17.5	
5' 11	31' 9	58.6%	100,072	2,383	378,813	378.81	<b>382.14</b>	244.67	19.17	2.81	<b>1,073.8</b>	<b>93,498</b>	17.5	
6' 0	31' 8	58.7%	100,259	2,387	379,520	379.52	<b>382.86</b>	244.67	19.21	2.82	<b>1,079.7</b>	<b>93,674</b>	17.5	
6' 1	31' 7	58.8%	100,445	2,392	380,227	380.23	<b>383.57</b>	244.67	19.24	2.82	<b>1,081.7</b>	<b>93,848</b>	17.5	
6' 2	31' 6	58.9%	100,632	2,396	380,934	380.93	<b>384.28</b>	244.67	19.27	2.83	<b>1,087.5</b>	<b>94,022</b>	17.5	
6' 3	31' 5	59.0%	100,819	2,400	381,640	381.64	<b>384.99</b>	244.67	19.30	2.84	<b>1,093.4</b>	<b>94,196</b>	17.5	
6' 4	31' 4	59.1%	101,005	2,405	382,347	382.35	<b>385.71</b>	244.67	19.34	2.84	<b>1,095.4</b>	<b>94,372</b>	17.5	
6' 5	31' 3	59.2%	101,192	2,409	383,054	383.05	<b>386.42</b>	244.67	19.37	2.85	<b>1,101.3</b>	<b>94,545</b>	17.5	
6' 6	31' 2	59.3%	101,379	2,414	383,761	383.76	<b>387.13</b>	244.67	19.40	2.86	<b>1,107.2</b>	<b>94,719</b>	17.5	
6' 7	31' 1	59.4%	101,566	2,418	384,467	384.47	<b>387.85</b>	244.67	19.43	2.86	<b>1,109.3</b>	<b>94,895</b>	17.5	
6' 8	31' 0	59.6%	101,752	2,423	385,174	385.17	<b>388.56</b>	244.67	19.46	2.87	<b>1,115.2</b>	<b>95,069</b>	17.5	
6' 9	30' 11	59.7%	101,939	2,427	385,881	385.88	<b>389.27</b>	244.67	19.49	2.88	<b>1,121.1</b>	<b>95,243</b>	17.5	
6' 10	30' 10	59.8%	102,126	2,432	386,588	386.59	<b>389.99</b>	244.67	19.52	2.89	<b>1,127.1</b>	<b>95,419</b>	17.5	
6' 11	30' 9	59.9%	102,312	2,436	387,295	387.29	<b>390.70</b>	244.67	19.55	2.89	<b>1,129.1</b>	<b>95,593</b>	17.5	
7' 0	30' 8	60.0%	102,499	2,440	388,001	388.0	<b>391.41</b>	244.67	19.59	2.90	<b>1,135.1</b>	<b>95,766</b>	17.5	
7' 1	30' 7	60.1%	102,686	2,445	388,708	388.71	<b>392.12</b>	244.67	19.62	2.91	<b>1,141.1</b>	<b>95,940</b>	17.5	
7' 2	30' 6	60.2%	102,873	2,449	389,415	389.42	<b>392.84</b>	244.67	19.65	2.92	<b>1,147.1</b>	<b>96,116</b>	17.5	
7' 3	30' 5	60.3%	103,059	2,454	390,122	390.12	<b>393.55</b>	244.67	19.68	2.92	<b>1,149.2</b>	<b>96,290</b>	17.5	
7' 4	30' 4	60.4%	103,246	2,458	390,829	390.83	<b>394.26</b>	244.67	19.71	2.93	<b>1,155.2</b>	<b>96,464</b>	17.5	
7' 5	30' 3	60.5%	103,433	2,463	391,535	391.54	<b>394.98</b>	244.67	19.74	2.94	<b>1,161.2</b>	<b>96,640</b>	17.5	
7' 6	30' 2	60.6%	103,620	2,467	392,242	392.24	<b>395.69</b>	244.67	19.77	2.95	<b>1,167.3</b>	<b>96,813</b>	17.5	
7' 7	30' 1	60.8%	103,806	2,472	392,949	392.95	<b>396.40</b>	244.67	19.80	2.96	<b>1,173.3</b>	<b>96,987</b>	17.5	
7' 8	30' 0	60.9%	103,993	2,476	393,656	393.66	<b>397.12</b>	244.67	19.83	2.97	<b>1,179.4</b>	<b>97,163</b>	17.5	
7' 9	29' 11	61.0%	104,180	2,480	394,363	394.36	<b>397.83</b>	244.67	19.86	2.97	<b>1,181.6</b>	<b>97,337</b>	17.5	
7' 10	29' 10	61.1%	104,366	2,485	395,070	395.07	<b>398.54</b>	244.67	19.89	2.98	<b>1,187.6</b>	<b>97,511</b>	17.5	
7' 11	29' 9	61.2%	104,553	2,489	395,777	395.78	<b>399.25</b>	244.67	19.92	2.99	<b>1,193.8</b>	<b>97,684</b>	17.5	
8' 0	29' 8	61.3%	104,740	2,494	396,483	396.48	<b>399.97</b>	244.67	19.95	3.00	<b>1,199.9</b>	<b>97,861</b>	17.5	
8' 1	29' 7	61.4%	104,927	2,498	397,190	397.19	<b>400.68</b>	244.67	19.98	3.01	<b>1,206.0</b>	<b>98,034</b>	17.5	
8' 2	29' 6	61.5%	105,113	2,503	397,897	397.90	<b>401.39</b>	244.67	20.01	3.02	<b>1,212.2</b>	<b>98,208</b>	17.5	
8' 3	29' 5	61.6%	105,300	2,507	398,603	398.60	<b>402.11</b>	244.67	20.04	3.03	<b>1,218.4</b>	<b>98,384</b>	17.5	

Tank		Ballast #4 STBD												
Specific Gravity		1.025												
Trim		0												
Capacity		170,859 Gallons												
Label(s)		Ball#4.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
8' 4	29' 4	61.7%	105,487	2,512	399,310	399.31	<b>402.82</b>	244.67	20.07	3.04	<b>1,224.6</b>	<b>98,558</b>	17.5	
8' 5	29' 3	61.8%	105,673	2,516	400,017	400.02	<b>403.53</b>	244.67	20.09	3.05	<b>1,230.8</b>	<b>98,732</b>	17.5	
8' 6	29' 2	62.0%	105,860	2,520	400,724	400.72	<b>404.25</b>	244.67	20.12	3.06	<b>1,237.0</b>	<b>98,908</b>	17.5	
8' 7	29' 1	62.1%	106,047	2,525	401,431	401.43	<b>404.96</b>	244.67	20.15	3.07	<b>1,243.2</b>	<b>99,082</b>	17.5	
8' 8	29' 0	62.2%	106,234	2,529	402,138	402.14	<b>405.67</b>	244.67	20.18	3.08	<b>1,249.5</b>	<b>99,255</b>	17.5	
8' 9	28' 11	62.3%	106,420	2,534	402,844	402.84	<b>406.38</b>	244.67	20.21	3.09	<b>1,255.7</b>	<b>99,429</b>	17.5	
8' 10	28' 10	62.4%	106,607	2,538	403,551	403.55	<b>407.10</b>	244.67	20.24	3.10	<b>1,262.0</b>	<b>99,605</b>	17.5	
8' 11	28' 9	62.5%	106,794	2,543	404,258	404.26	<b>407.81</b>	244.67	20.27	3.11	<b>1,268.3</b>	<b>99,779</b>	17.5	
9' 0	28' 8	62.6%	106,980	2,547	404,965	404.96	<b>408.52</b>	244.67	20.29	3.12	<b>1,274.6</b>	<b>99,953</b>	17.5	
9' 1	28' 7	62.7%	107,167	2,552	405,672	405.67	<b>409.24</b>	244.67	20.32	3.13	<b>1,280.9</b>	<b>100,129</b>	17.5	
9' 2	28' 6	62.8%	107,354	2,556	406,378	406.38	<b>409.95</b>	244.67	20.35	3.14	<b>1,287.2</b>	<b>100,302</b>	17.5	
9' 3	28' 5	62.9%	107,541	2,560	407,085	407.09	<b>410.66</b>	244.67	20.38	3.15	<b>1,293.6</b>	<b>100,476</b>	17.5	
9' 4	28' 4	63.1%	107,727	2,565	407,792	407.79	<b>411.38</b>	244.67	20.41	3.16	<b>1,300.0</b>	<b>100,652</b>	17.5	
9' 5	28' 3	63.2%	107,914	2,569	408,499	408.50	<b>412.09</b>	244.67	20.44	3.17	<b>1,306.3</b>	<b>100,826</b>	17.5	
9' 6	28' 2	63.3%	108,101	2,574	409,206	409.21	<b>412.80</b>	244.67	20.46	3.18	<b>1,312.7</b>	<b>101,000</b>	17.5	
9' 7	28' 1	63.4%	108,287	2,578	409,912	409.91	<b>413.52</b>	244.67	20.49	3.19	<b>1,319.1</b>	<b>101,176</b>	17.5	
9' 8	28' 0	63.5%	108,474	2,583	410,619	410.62	<b>414.23</b>	244.67	20.52	3.20	<b>1,325.5</b>	<b>101,350</b>	17.5	
9' 9	27' 11	63.6%	108,661	2,587	411,326	411.33	<b>414.94</b>	244.67	20.55	3.22	<b>1,336.1</b>	<b>101,523</b>	17.5	
9' 10	27' 10	63.7%	108,848	2,592	412,033	412.03	<b>415.65</b>	244.67	20.57	3.23	<b>1,342.5</b>	<b>101,697</b>	17.5	
9' 11	27' 9	63.8%	109,034	2,596	412,740	412.74	<b>416.37</b>	244.67	20.60	3.24	<b>1,349.0</b>	<b>101,873</b>	17.5	
10' 0	27' 8	63.9%	109,221	2,601	413,446	413.45	<b>417.08</b>	244.67	20.63	3.25	<b>1,355.5</b>	<b>102,047</b>	17.5	
10' 1	27' 7	64.0%	109,408	2,605	414,153	414.15	<b>417.79</b>	244.67	20.65	3.26	<b>1,362.0</b>	<b>102,221</b>	17.5	
10' 2	27' 6	64.1%	109,594	2,609	414,860	414.86	<b>418.51</b>	244.67	20.68	3.27	<b>1,368.5</b>	<b>102,397</b>	17.5	
10' 3	27' 5	64.3%	109,781	2,614	415,567	415.57	<b>419.22</b>	244.67	20.71	3.29	<b>1,379.2</b>	<b>102,571</b>	17.5	
10' 4	27' 4	64.4%	109,968	2,618	416,274	416.27	<b>419.93</b>	244.67	20.74	3.30	<b>1,385.8</b>	<b>102,744</b>	17.5	
10' 5	27' 3	64.5%	110,155	2,623	416,981	416.98	<b>420.65</b>	244.67	20.76	3.31	<b>1,392.4</b>	<b>102,920</b>	17.5	
10' 6	27' 2	64.6%	110,341	2,627	417,687	417.69	<b>421.36</b>	244.67	20.79	3.32	<b>1,398.9</b>	<b>103,094</b>	17.5	
10' 7	27' 1	64.7%	110,528	2,632	418,394	418.39	<b>422.07</b>	244.67	20.82	3.34	<b>1,409.7</b>	<b>103,268</b>	17.5	
10' 8	27' 0	64.8%	110,715	2,636	419,101	419.10	<b>422.78</b>	244.67	20.84	3.35	<b>1,416.3</b>	<b>103,442</b>	17.5	
10' 9	26' 11	64.9%	110,902	2,641	419,808	419.81	<b>423.50</b>	244.67	20.87	3.36	<b>1,423.0</b>	<b>103,618</b>	17.5	
10' 10	26' 10	65.0%	111,088	2,645	420,515	420.51	<b>424.21</b>	244.67	20.89	3.37	<b>1,429.6</b>	<b>103,791</b>	17.5	
10' 11	26' 9	65.1%	111,275	2,649	421,221	421.22	<b>424.92</b>	244.67	20.92	3.39	<b>1,440.5</b>	<b>103,965</b>	17.5	
11' 0	26' 8	65.2%	111,462	2,654	421,928	421.93	<b>425.64</b>	244.67	20.95	3.40	<b>1,447.2</b>	<b>104,141</b>	17.5	



Tank		Ballast #4 STBD												
Specific Gravity		1.025												
Trim		0												
Capacity		170,859 Gallons												
Label(s)		Ball#4.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
11' 1	26' 7	65.3%	111,648	2,658	422,635	422.63	<b>426.35</b>	244.67	20.97	3.41	<b>1,453.9</b>	<b>104,315</b>	17.5	
11' 2	26' 6	65.5%	111,835	2,663	423,342	423.34	<b>427.06</b>	244.67	21.00	3.42	<b>1,460.5</b>	<b>104,489</b>	17.5	
11' 3	26' 5	65.6%	112,022	2,667	424,049	424.05	<b>427.78</b>	244.67	21.03	3.44	<b>1,471.6</b>	<b>104,665</b>	17.5	
11' 4	26' 4	65.7%	112,209	2,672	424,755	424.76	<b>428.49</b>	244.67	21.05	3.45	<b>1,478.3</b>	<b>104,839</b>	17.5	
11' 5	26' 3	65.8%	112,395	2,676	425,462	425.46	<b>429.20</b>	244.67	21.08	3.46	<b>1,485.0</b>	<b>105,012</b>	17.5	
11' 6	26' 2	65.9%	112,582	2,681	426,169	426.17	<b>429.91</b>	244.67	21.10	3.48	<b>1,496.1</b>	<b>105,186</b>	17.5	
11' 7	26' 1	66.0%	112,769	2,685	426,876	426.88	<b>430.63</b>	244.67	21.13	3.49	<b>1,502.9</b>	<b>105,362</b>	17.5	
11' 8	26' 0	66.1%	112,955	2,689	427,583	427.58	<b>431.34</b>	244.67	21.15	3.50	<b>1,509.7</b>	<b>105,536</b>	17.5	
11' 9	25' 11	66.2%	113,142	2,694	428,289	428.29	<b>432.05</b>	244.67	21.18	3.52	<b>1,520.8</b>	<b>105,710</b>	17.5	
11' 10	25' 10	66.3%	113,329	2,698	428,996	429.0	<b>432.77</b>	244.67	21.20	3.53	<b>1,527.7</b>	<b>105,886</b>	17.5	
11' 11	25' 9	66.4%	113,516	2,703	429,703	429.70	<b>433.48</b>	244.67	21.23	3.55	<b>1,538.9</b>	<b>106,060</b>	17.5	
12' 0	25' 8	66.5%	113,702	2,707	430,410	430.41	<b>434.19</b>	244.67	21.25	3.56	<b>1,545.7</b>	<b>106,233</b>	17.5	
12' 1	25' 7	66.7%	113,889	2,712	431,117	431.12	<b>434.91</b>	244.67	21.28	3.57	<b>1,552.6</b>	<b>106,409</b>	17.5	
12' 2	25' 6	66.8%	114,076	2,716	431,823	431.82	<b>435.62</b>	244.67	21.30	3.59	<b>1,563.9</b>	<b>106,583</b>	17.5	
12' 3	25' 5	66.9%	114,262	2,721	432,530	432.53	<b>436.33</b>	244.67	21.33	3.60	<b>1,570.8</b>	<b>106,757</b>	17.5	
12' 4	25' 4	67.0%	114,449	2,725	433,237	433.24	<b>437.04</b>	244.67	21.35	3.62	<b>1,582.1</b>	<b>106,931</b>	17.5	
12' 5	25' 3	67.1%	114,636	2,729	433,944	433.94	<b>437.76</b>	244.67	21.38	3.63	<b>1,589.1</b>	<b>107,107</b>	17.5	
12' 6	25' 2	67.2%	114,823	2,734	434,650	434.65	<b>438.47</b>	244.67	21.40	3.65	<b>1,600.4</b>	<b>107,280</b>	17.5	
12' 7	25' 1	67.3%	115,009	2,738	435,358	435.36	<b>439.18</b>	244.67	21.43	3.66	<b>1,607.4</b>	<b>107,454</b>	17.5	
12' 8	25' 0	67.4%	115,196	2,743	436,064	436.06	<b>439.90</b>	244.67	21.45	3.67	<b>1,614.4</b>	<b>107,630</b>	17.5	
12' 9	24' 11	67.5%	115,383	2,747	436,771	436.77	<b>440.61</b>	244.67	21.48	3.69	<b>1,625.9</b>	<b>107,804</b>	17.5	
12' 10	24' 10	67.6%	115,569	2,752	437,478	437.48	<b>441.32</b>	244.67	21.50	3.70	<b>1,632.9</b>	<b>107,978</b>	17.5	
12' 11	24' 9	67.7%	115,756	2,756	438,185	438.18	<b>442.04</b>	244.67	21.53	3.72	<b>1,644.4</b>	<b>108,154</b>	17.5	
13' 0	24' 8	67.9%	115,943	2,761	438,892	438.89	<b>442.75</b>	244.67	21.55	3.73	<b>1,651.5</b>	<b>108,328</b>	17.5	
13' 1	24' 7	68.0%	116,130	2,765	439,598	439.60	<b>443.46</b>	244.67	21.57	3.75	<b>1,663.0</b>	<b>108,501</b>	17.5	
13' 2	24' 6	68.1%	116,316	2,769	440,305	440.31	<b>444.17</b>	244.67	21.60	3.76	<b>1,670.1</b>	<b>108,675</b>	17.5	
13' 3	24' 5	68.2%	116,503	2,774	441,012	441.01	<b>444.89</b>	244.67	21.62	3.78	<b>1,681.7</b>	<b>108,851</b>	17.5	
13' 4	24' 4	68.3%	116,690	2,778	441,719	441.72	<b>445.60</b>	244.67	21.65	3.80	<b>1,693.3</b>	<b>109,025</b>	17.5	
13' 5	24' 3	68.4%	116,876	2,783	442,425	442.43	<b>446.31</b>	244.67	21.67	3.81	<b>1,700.4</b>	<b>109,199</b>	17.5	
13' 6	24' 2	68.5%	117,063	2,787	443,132	443.13	<b>447.03</b>	244.67	21.69	3.83	<b>1,712.1</b>	<b>109,375</b>	17.5	
13' 7	24' 1	68.6%	117,250	2,792	443,839	443.84	<b>447.74</b>	244.67	21.72	3.84	<b>1,719.3</b>	<b>109,549</b>	17.5	
13' 8	24' 0	68.7%	117,437	2,796	444,546	444.55	<b>448.45</b>	244.67	21.74	3.86	<b>1,731.0</b>	<b>109,722</b>	17.5	
13' 9	23' 11	68.8%	117,623	2,801	445,253	445.25	<b>449.17</b>	244.67	21.76	3.87	<b>1,738.3</b>	<b>109,898</b>	17.5	

Tank		Ballast #4 STBD												
Specific Gravity		1.025												
Trim		0												
Capacity		170,859 Gallons												
Label(s)		Ball#4.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
13' 10	23' 10	69.0%	117,810	2,805	445,959	445.96	<b>449.88</b>	244.67	21.79	3.89	<b>1,750.0</b>	<b>110,072</b>	17.5	
13' 11	23' 9	69.1%	117,997	2,809	446,666	446.67	<b>450.59</b>	244.67	21.81	3.91	<b>1,761.8</b>	<b>110,246</b>	17.5	
14' 0	23' 8	69.2%	118,184	2,814	447,373	447.37	<b>451.31</b>	244.67	21.83	3.92	<b>1,769.1</b>	<b>110,422</b>	17.5	
14' 1	23' 7	69.3%	118,370	2,818	448,080	448.08	<b>452.02</b>	244.67	21.86	3.94	<b>1,781.0</b>	<b>110,596</b>	17.5	
14' 2	23' 6	69.4%	118,557	2,823	448,787	448.79	<b>452.73</b>	244.67	21.88	3.95	<b>1,788.3</b>	<b>110,769</b>	17.5	
14' 3	23' 5	69.5%	118,744	2,827	449,493	449.49	<b>453.44</b>	244.67	21.90	3.97	<b>1,800.2</b>	<b>110,943</b>	17.5	
14' 4	23' 4	69.6%	118,930	2,832	450,201	450.20	<b>454.16</b>	244.67	21.93	3.99	<b>1,812.1</b>	<b>111,119</b>	17.5	
14' 5	23' 3	69.7%	119,117	2,836	450,907	450.91	<b>454.87</b>	244.67	21.95	4.00	<b>1,819.5</b>	<b>111,293</b>	17.5	
14' 6	23' 2	69.8%	119,304	2,841	451,614	451.61	<b>455.58</b>	244.67	21.97	4.02	<b>1,831.4</b>	<b>111,467</b>	17.5	
14' 7	23' 1	69.9%	119,491	2,845	452,321	452.32	<b>456.30</b>	244.67	21.99	4.04	<b>1,843.5</b>	<b>111,643</b>	17.5	
14' 8	23' 0	70.0%	119,677	2,849	453,027	453.03	<b>457.01</b>	244.67	22.02	4.05	<b>1,850.9</b>	<b>111,817</b>	17.5	
14' 9	22' 11	70.2%	119,864	2,854	453,734	453.73	<b>457.72</b>	244.67	22.04	4.07	<b>1,862.9</b>	<b>111,990</b>	17.5	
14' 10	22' 10	70.3%	120,051	2,858	454,441	454.44	<b>458.44</b>	244.67	22.06	4.09	<b>1,875.0</b>	<b>112,167</b>	17.5	
14' 11	22' 9	70.4%	120,237	2,863	455,148	455.15	<b>459.15</b>	244.67	22.08	4.10	<b>1,882.5</b>	<b>112,340</b>	17.5	
15' 0	22' 8	70.5%	120,424	2,867	455,855	455.85	<b>459.86</b>	244.67	22.11	4.12	<b>1,894.6</b>	<b>112,514</b>	17.5	
15' 1	22' 7	70.6%	120,611	2,872	456,562	456.56	<b>460.57</b>	244.67	22.13	4.14	<b>1,906.8</b>	<b>112,688</b>	17.5	
15' 2	22' 6	70.7%	120,798	2,876	457,268	457.27	<b>461.29</b>	244.67	22.15	4.15	<b>1,914.4</b>	<b>112,864</b>	17.5	
15' 3	22' 5	70.8%	120,984	2,881	457,975	457.98	<b>462.0</b>	244.67	22.17	4.17	<b>1,926.5</b>	<b>113,038</b>	17.5	
15' 4	22' 4	70.9%	121,171	2,885	458,682	458.68	<b>462.71</b>	244.67	22.20	4.19	<b>1,938.8</b>	<b>113,211</b>	17.5	
15' 5	22' 3	71.0%	121,358	2,889	459,389	459.39	<b>463.43</b>	244.67	22.22	4.21	<b>1,951.0</b>	<b>113,387</b>	17.5	
15' 6	22' 2	71.1%	121,544	2,894	460,096	460.10	<b>464.14</b>	244.67	22.24	4.22	<b>1,958.7</b>	<b>113,561</b>	17.5	
15' 7	22' 1	71.2%	121,731	2,898	460,802	460.80	<b>464.85</b>	244.67	22.26	4.24	<b>1,971.0</b>	<b>113,735</b>	17.5	
15' 8	22' 0	71.4%	121,918	2,903	461,509	461.51	<b>465.57</b>	244.67	22.28	4.26	<b>1,983.3</b>	<b>113,911</b>	17.5	
15' 9	21' 11	71.5%	122,105	2,907	462,216	462.22	<b>466.28</b>	244.67	22.30	4.28	<b>1,995.7</b>	<b>114,085</b>	17.5	
15' 10	21' 10	71.6%	122,291	2,912	462,923	462.92	<b>466.99</b>	244.67	22.33	4.29	<b>2,003.4</b>	<b>114,258</b>	17.5	
15' 11	21' 9	71.7%	122,478	2,916	463,630	463.63	<b>467.70</b>	244.67	22.35	4.31	<b>2,015.8</b>	<b>114,432</b>	17.5	
16' 0	21' 8	71.8%	122,665	2,921	464,336	464.34	<b>468.42</b>	244.67	22.37	4.33	<b>2,028.3</b>	<b>114,608</b>	17.5	
16' 1	21' 7	71.9%	122,851	2,925	465,043	465.04	<b>469.13</b>	244.67	22.39	4.35	<b>2,040.7</b>	<b>114,782</b>	17.5	
16' 2	21' 6	72.0%	123,038	2,929	465,750	465.75	<b>469.84</b>	244.67	22.41	4.37	<b>2,053.2</b>	<b>114,956</b>	17.5	
16' 3	21' 5	72.1%	123,225	2,934	466,457	466.46	<b>470.56</b>	244.67	22.43	4.38	<b>2,061.1</b>	<b>115,132</b>	17.5	
16' 4	21' 4	72.2%	123,412	2,938	467,164	467.16	<b>471.27</b>	244.67	22.46	4.40	<b>2,073.6</b>	<b>115,306</b>	17.5	
16' 5	21' 3	72.3%	123,598	2,943	467,870	467.87	<b>471.98</b>	244.67	22.48	4.42	<b>2,086.2</b>	<b>115,479</b>	17.5	
16' 6	21' 2	72.4%	123,785	2,947	468,577	468.58	<b>472.70</b>	244.67	22.50	4.44	<b>2,098.8</b>	<b>115,656</b>	17.5	

Tank		Ballast #4 STBD												
Specific Gravity		1.025												
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Capacity		170,859 Gallons												
Label(s)		Ball#4.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
16' 7	21' 1	72.6%	123,972	2,952	469,284	469.28	<b>473.41</b>	244.67	22.52	4.46	<b>2,111.4</b>	<b>115,829</b>	17.5	
16' 8	21' 0	72.7%	124,159	2,956	469,991	469.99	<b>474.12</b>	244.67	22.54	4.48	<b>2,124.1</b>	<b>116,003</b>	17.5	
16' 9	20' 11	72.8%	124,345	2,961	470,698	470.70	<b>474.83</b>	244.67	22.56	4.49	<b>2,132.0</b>	<b>116,177</b>	17.5	
16' 10	20' 10	72.9%	124,532	2,965	471,405	471.40	<b>475.55</b>	244.67	22.58	4.51	<b>2,144.7</b>	<b>116,353</b>	17.5	
16' 11	20' 9	73.0%	124,719	2,969	472,111	472.11	<b>476.26</b>	244.67	22.60	4.53	<b>2,157.5</b>	<b>116,527</b>	17.5	
17' 0	20' 8	73.1%	124,905	2,974	472,818	472.82	<b>476.97</b>	244.67	22.62	4.55	<b>2,170.2</b>	<b>116,700</b>	17.5	
17' 1	20' 7	73.2%	125,092	2,978	473,525	473.53	<b>477.69</b>	244.67	22.64	4.57	<b>2,183.0</b>	<b>116,876</b>	17.5	
17' 2	20' 6	73.3%	125,279	2,983	474,232	474.23	<b>478.40</b>	244.67	22.66	4.59	<b>2,195.9</b>	<b>117,050</b>	17.5	
17' 3	20' 5	73.4%	125,466	2,987	474,939	474.94	<b>479.11</b>	244.67	22.69	4.61	<b>2,208.7</b>	<b>117,224</b>	17.5	
17' 4	20' 4	73.5%	125,652	2,992	475,645	475.65	<b>479.83</b>	244.67	22.71	4.63	<b>2,221.6</b>	<b>117,400</b>	17.5	
17' 5	20' 3	73.7%	125,839	2,996	476,352	476.35	<b>480.54</b>	244.67	22.73	4.64	<b>2,229.7</b>	<b>117,574</b>	17.5	
17' 6	20' 2	73.8%	126,026	3,001	477,059	477.06	<b>481.25</b>	244.67	22.75	4.66	<b>2,242.6</b>	<b>117,747</b>	17.5	
17' 7	20' 1	73.9%	126,212	3,005	477,766	477.77	<b>481.96</b>	244.67	22.77	4.68	<b>2,255.6</b>	<b>117,921</b>	17.5	
17' 8	20' 0	74.0%	126,399	3,010	478,473	478.47	<b>482.68</b>	244.67	22.79	4.70	<b>2,268.6</b>	<b>118,097</b>	17.5	
17' 9	19' 11	74.1%	126,586	3,014	479,179	479.18	<b>483.39</b>	244.67	22.81	4.72	<b>2,281.6</b>	<b>118,271</b>	17.5	
17' 10	19' 10	74.2%	126,773	3,018	479,886	479.89	<b>484.10</b>	244.67	22.83	4.74	<b>2,294.6</b>	<b>118,445</b>	17.5	
17' 11	19' 9	74.3%	126,959	3,023	480,593	480.59	<b>484.82</b>	244.67	22.85	4.76	<b>2,307.7</b>	<b>118,621</b>	17.5	
18' 0	19' 8	74.4%	127,146	3,027	481,300	481.30	<b>485.53</b>	244.67	22.87	4.78	<b>2,320.8</b>	<b>118,795</b>	17.5	
18' 1	19' 7	74.5%	127,333	3,032	482,007	482.01	<b>486.24</b>	244.67	22.89	4.80	<b>2,334.0</b>	<b>118,968</b>	17.5	
18' 2	19' 6	74.6%	127,519	3,036	482,713	482.71	<b>486.96</b>	244.67	22.91	4.82	<b>2,347.1</b>	<b>119,145</b>	17.5	
18' 3	19' 5	74.7%	127,706	3,041	483,420	483.42	<b>487.67</b>	244.67	22.93	4.84	<b>2,360.3</b>	<b>119,318</b>	17.5	
18' 4	19' 4	74.9%	127,893	3,045	484,127	484.13	<b>488.38</b>	244.67	22.95	4.86	<b>2,373.5</b>	<b>119,492</b>	17.5	
18' 5	19' 3	75.0%	128,080	3,050	484,834	484.83	<b>489.10</b>	244.67	22.97	4.88	<b>2,386.8</b>	<b>119,668</b>	17.5	
18' 6	19' 2	75.1%	128,266	3,054	485,541	485.54	<b>489.81</b>	244.67	22.99	4.90	<b>2,400.1</b>	<b>119,842</b>	17.5	
18' 7	19' 1	75.2%	128,453	3,058	486,247	486.25	<b>490.52</b>	244.67	23.01	4.92	<b>2,413.4</b>	<b>120,016</b>	17.5	
18' 8	19' 0	75.3%	128,640	3,063	486,954	486.95	<b>491.23</b>	244.67	23.03	4.94	<b>2,426.7</b>	<b>120,189</b>	17.5	
18' 9	18' 11	75.4%	128,827	3,067	487,661	487.66	<b>491.95</b>	244.67	23.05	4.96	<b>2,440.1</b>	<b>120,365</b>	17.5	
18' 10	18' 10	75.5%	129,013	3,072	488,368	488.37	<b>492.66</b>	244.67	23.07	4.98	<b>2,453.4</b>	<b>120,539</b>	17.5	
18' 11	18' 9	75.6%	129,200	3,076	489,075	489.07	<b>493.37</b>	244.67	23.09	5.00	<b>2,466.9</b>	<b>120,713</b>	17.5	
19' 0	18' 8	75.7%	129,387	3,081	489,782	489.78	<b>494.09</b>	244.67	23.10	5.02	<b>2,480.3</b>	<b>120,889</b>	17.5	
19' 1	18' 7	75.8%	129,573	3,085	490,488	490.49	<b>494.80</b>	244.67	23.12	5.04	<b>2,493.8</b>	<b>121,063</b>	17.5	
19' 2	18' 6	75.9%	129,760	3,090	491,195	491.20	<b>495.51</b>	244.67	23.14	5.06	<b>2,507.3</b>	<b>121,236</b>	17.5	
19' 3	18' 5	76.1%	129,947	3,094	491,902	491.90	<b>496.23</b>	244.67	23.16	5.08	<b>2,520.8</b>	<b>121,413</b>	17.5	

Tank		Ballast #4 STBD												
Specific Gravity		1.025												
Trim		0												
Capacity		170,859 Gallons												
Label(s)		Ball#4.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
19' 4	18' 4	76.2%	130,134	3,098	492,609	492.61	<b>496.94</b>	244.67	23.18	5.10	<b>2,534.4</b>	<b>121,586</b>	17.5	
19' 5	18' 3	76.3%	130,320	3,103	493,316	493.32	<b>497.65</b>	244.67	23.20	5.12	<b>2,548.0</b>	<b>121,760</b>	17.5	
19' 6	18' 2	76.4%	130,507	3,107	494,022	494.02	<b>498.36</b>	244.67	23.22	5.14	<b>2,561.6</b>	<b>121,934</b>	17.5	
19' 7	18' 1	76.5%	130,694	3,112	494,729	494.73	<b>499.08</b>	244.67	23.24	5.16	<b>2,575.3</b>	<b>122,110</b>	17.5	
19' 8	18' 0	76.6%	130,880	3,116	495,436	495.44	<b>499.79</b>	244.67	23.26	5.18	<b>2,588.9</b>	<b>122,284</b>	17.5	
19' 9	17' 11	76.7%	131,067	3,121	496,143	496.14	<b>500.50</b>	244.67	23.28	5.20	<b>2,602.6</b>	<b>122,457</b>	17.5	
19' 10	17' 10	76.8%	131,254	3,125	496,850	496.85	<b>501.22</b>	244.67	23.30	5.22	<b>2,616.4</b>	<b>122,633</b>	17.5	
19' 11	17' 9	76.9%	131,441	3,130	497,556	497.56	<b>501.93</b>	244.67	23.31	5.25	<b>2,635.1</b>	<b>122,807</b>	17.5	
20' 0	17' 8	77.0%	131,627	3,134	498,264	498.26	<b>502.64</b>	244.67	23.33	5.27	<b>2,648.9</b>	<b>122,981</b>	17.5	
20' 1	17' 7	77.1%	131,814	3,138	498,970	498.97	<b>503.36</b>	244.67	23.35	5.29	<b>2,662.8</b>	<b>123,157</b>	17.5	
20' 2	17' 6	77.3%	132,001	3,143	499,677	499.68	<b>504.07</b>	244.67	23.37	5.31	<b>2,676.6</b>	<b>123,331</b>	17.5	
20' 3	17' 5	77.4%	132,187	3,147	500,384	500.38	<b>504.78</b>	244.67	23.39	5.33	<b>2,690.5</b>	<b>123,505</b>	17.5	
20' 4	17' 4	77.5%	132,374	3,152	501,090	501.09	<b>505.49</b>	244.67	23.41	5.35	<b>2,704.4</b>	<b>123,678</b>	17.5	
20' 5	17' 3	77.6%	132,561	3,156	501,798	501.80	<b>506.21</b>	244.67	23.43	5.37	<b>2,718.3</b>	<b>123,854</b>	17.5	
20' 6	17' 2	77.7%	132,748	3,161	502,504	502.50	<b>506.92</b>	244.67	23.44	5.39	<b>2,732.3</b>	<b>124,028</b>	17.5	
20' 7	17' 1	77.8%	132,934	3,165	503,211	503.21	<b>507.63</b>	244.67	23.46	5.42	<b>2,751.4</b>	<b>124,202</b>	17.5	
20' 8	17' 0	77.9%	133,121	3,170	503,918	503.92	<b>508.35</b>	244.67	23.48	5.44	<b>2,765.4</b>	<b>124,378</b>	17.5	
20' 9	16' 11	78.0%	133,308	3,174	504,625	504.62	<b>509.06</b>	244.67	23.50	5.46	<b>2,779.5</b>	<b>124,552</b>	17.5	
20' 10	16' 10	78.1%	133,495	3,178	505,332	505.33	<b>509.77</b>	244.67	23.52	5.48	<b>2,793.5</b>	<b>124,725</b>	17.5	
20' 11	16' 9	78.2%	133,681	3,183	506,038	506.04	<b>510.49</b>	244.67	23.54	5.50	<b>2,807.7</b>	<b>124,902</b>	17.5	
21' 0	16' 8	78.3%	133,868	3,187	506,745	506.75	<b>511.20</b>	244.67	23.55	5.52	<b>2,821.8</b>	<b>125,075</b>	17.5	
21' 1	16' 7	78.5%	134,055	3,192	507,452	507.45	<b>511.91</b>	244.67	23.57	5.54	<b>2,836.0</b>	<b>125,249</b>	17.5	
21' 2	16' 6	78.6%	134,241	3,196	508,159	508.16	<b>512.63</b>	244.67	23.59	5.57	<b>2,855.3</b>	<b>125,425</b>	17.5	
21' 3	16' 5	78.7%	134,428	3,201	508,866	508.87	<b>513.34</b>	244.67	23.61	5.59	<b>2,869.6</b>	<b>125,599</b>	17.5	
21' 4	16' 4	78.8%	134,615	3,205	509,572	509.57	<b>514.05</b>	244.67	23.63	5.61	<b>2,883.8</b>	<b>125,773</b>	17.5	
21' 5	16' 3	78.9%	134,802	3,210	510,279	510.28	<b>514.76</b>	244.67	23.64	5.63	<b>2,898.1</b>	<b>125,946</b>	17.5	
21' 6	16' 2	79.0%	134,988	3,214	510,986	510.99	<b>515.48</b>	244.67	23.66	5.65	<b>2,912.5</b>	<b>126,122</b>	17.5	
21' 7	16' 1	79.1%	135,175	3,218	511,693	511.69	<b>516.19</b>	244.67	23.68	5.68	<b>2,932.0</b>	<b>126,296</b>	17.5	
21' 8	16' 0	79.2%	135,362	3,223	512,400	512.40	<b>516.90</b>	244.67	23.70	5.70	<b>2,946.3</b>	<b>126,470</b>	17.5	
21' 9	15' 11	79.3%	135,548	3,227	513,107	513.11	<b>517.62</b>	244.67	23.71	5.72	<b>2,960.8</b>	<b>126,646</b>	17.5	
21' 10	15' 10	79.4%	135,735	3,232	513,813	513.81	<b>518.33</b>	244.67	23.73	5.74	<b>2,975.2</b>	<b>126,820</b>	17.5	
21' 11	15' 9	79.6%	135,922	3,236	514,520	514.52	<b>519.04</b>	244.67	23.75	5.77	<b>2,994.9</b>	<b>126,994</b>	17.5	
22' 0	15' 8	79.7%	136,109	3,241	515,227	515.23	<b>519.76</b>	244.67	23.77	5.79	<b>3,009.4</b>	<b>127,170</b>	17.5	

Tank		Ballast #4 STBD												
Specific Gravity		1.025												
Trim		0												
Capacity		170,859 Gallons												
Label(s)		Ball#4.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
22' 1	15' 7	79.8%	136,295	3,245	515,934	515.93	<b>520.47</b>	244.67	23.78	5.81	<b>3,023.9</b>	<b>127,343</b>	17.5	
22' 2	15' 6	79.9%	136,482	3,250	516,641	516.64	<b>521.18</b>	244.67	23.80	5.83	<b>3,038.5</b>	<b>127,517</b>	17.5	
22' 3	15' 5	80.0%	136,669	3,254	517,347	517.35	<b>521.89</b>	244.67	23.82	5.86	<b>3,058.3</b>	<b>127,691</b>	17.5	
22' 4	15' 4	80.1%	136,855	3,258	518,054	518.05	<b>522.61</b>	244.67	23.84	5.88	<b>3,072.9</b>	<b>127,867</b>	17.5	
22' 5	15' 3	80.2%	137,042	3,263	518,761	518.76	<b>523.32</b>	244.67	23.85	5.90	<b>3,087.6</b>	<b>128,041</b>	17.5	
22' 6	15' 2	80.3%	137,229	3,267	519,468	519.47	<b>524.03</b>	244.67	23.87	5.92	<b>3,102.3</b>	<b>128,214</b>	17.5	
22' 7	15' 1	80.4%	137,416	3,272	520,175	520.17	<b>524.75</b>	244.67	23.89	5.95	<b>3,122.3</b>	<b>128,391</b>	17.5	
22' 8	15' 0	80.5%	137,602	3,276	520,881	520.88	<b>525.46</b>	244.67	23.91	5.97	<b>3,137.0</b>	<b>128,564</b>	17.5	
22' 9	14' 11	80.6%	137,789	3,281	521,588	521.59	<b>526.17</b>	244.67	23.92	5.99	<b>3,151.8</b>	<b>128,738</b>	17.5	
22' 10	14' 10	80.8%	137,976	3,285	522,295	522.30	<b>526.89</b>	244.67	23.94	6.01	<b>3,166.6</b>	<b>128,914</b>	17.5	
22' 11	14' 9	80.9%	138,163	3,290	523,002	523.0	<b>527.60</b>	244.67	23.96	6.04	<b>3,186.7</b>	<b>129,088</b>	17.5	
23' 0	14' 8	81.0%	138,349	3,294	523,709	523.71	<b>528.31</b>	244.67	23.97	6.06	<b>3,201.6</b>	<b>129,262</b>	17.5	
23' 1	14' 7	81.1%	138,536	3,298	524,415	524.42	<b>529.02</b>	244.67	23.99	6.08	<b>3,216.4</b>	<b>129,435</b>	17.5	
23' 2	14' 6	81.2%	138,723	3,303	525,122	525.12	<b>529.74</b>	244.67	24.01	6.11	<b>3,236.7</b>	<b>129,611</b>	17.5	
23' 3	14' 5	81.3%	138,909	3,307	525,829	525.83	<b>530.45</b>	244.67	24.02	6.13	<b>3,251.7</b>	<b>129,785</b>	17.5	
23' 4	14' 4	81.4%	139,096	3,312	526,536	526.54	<b>531.16</b>	244.67	24.04	6.15	<b>3,266.6</b>	<b>129,959</b>	17.5	
23' 5	14' 3	81.5%	139,283	3,316	527,243	527.24	<b>531.88</b>	244.67	24.06	6.18	<b>3,287.0</b>	<b>130,135</b>	17.5	
23' 6	14' 2	81.6%	139,470	3,321	527,949	527.95	<b>532.59</b>	244.67	24.07	6.20	<b>3,302.1</b>	<b>130,309</b>	17.5	
23' 7	14' 1	81.7%	139,656	3,325	528,656	528.66	<b>533.30</b>	244.67	24.09	6.22	<b>3,317.1</b>	<b>130,483</b>	17.5	
23' 8	14' 0	81.8%	139,843	3,330	529,363	529.36	<b>534.02</b>	244.67	24.11	6.25	<b>3,337.6</b>	<b>130,659</b>	17.5	
23' 9	13' 11	82.0%	140,030	3,334	530,070	530.07	<b>534.73</b>	244.67	24.12	6.27	<b>3,352.8</b>	<b>130,832</b>	17.5	
23' 10	13' 10	82.1%	140,216	3,338	530,777	530.78	<b>535.44</b>	244.67	24.14	6.29	<b>3,367.9</b>	<b>131,006</b>	17.5	
23' 11	13' 9	82.2%	140,403	3,343	531,484	531.48	<b>536.15</b>	244.67	24.16	6.32	<b>3,388.5</b>	<b>131,180</b>	17.5	
24' 0	13' 8	82.3%	140,590	3,347	532,190	532.19	<b>536.87</b>	244.67	24.17	6.34	<b>3,403.8</b>	<b>131,356</b>	17.5	
24' 1	13' 7	82.4%	140,777	3,352	532,897	532.90	<b>537.58</b>	244.67	24.19	6.36	<b>3,419.0</b>	<b>131,530</b>	17.5	
24' 2	13' 6	82.5%	140,963	3,356	533,604	533.60	<b>538.29</b>	244.67	24.21	6.39	<b>3,439.7</b>	<b>131,703</b>	17.5	
24' 3	13' 5	82.6%	141,150	3,361	534,311	534.31	<b>539.01</b>	244.67	24.22	6.41	<b>3,455.1</b>	<b>131,880</b>	17.5	
24' 4	13' 4	82.7%	141,337	3,365	535,018	535.02	<b>539.72</b>	244.67	24.24	6.43	<b>3,470.4</b>	<b>132,053</b>	17.5	
24' 5	13' 3	82.8%	141,523	3,370	535,724	535.72	<b>540.43</b>	244.67	24.26	6.46	<b>3,491.2</b>	<b>132,227</b>	17.5	
24' 6	13' 2	82.9%	141,710	3,374	536,431	536.43	<b>541.15</b>	244.67	24.27	6.48	<b>3,506.7</b>	<b>132,403</b>	17.5	
24' 7	13' 1	83.0%	141,897	3,378	537,138	537.14	<b>541.86</b>	244.67	24.29	6.51	<b>3,527.5</b>	<b>132,577</b>	17.5	
24' 8	13' 0	83.2%	142,084	3,383	537,845	537.84	<b>542.57</b>	244.67	24.30	6.53	<b>3,543.0</b>	<b>132,751</b>	17.5	
24' 9	12' 11	83.3%	142,270	3,387	538,552	538.55	<b>543.28</b>	244.67	24.32	6.55	<b>3,558.5</b>	<b>132,924</b>	17.5	

Tank		Ballast #4 STBD												
Specific Gravity		1.025												
Trim		0												
Capacity		170,859 Gallons												
Label(s)		Ball#4.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
24' 10	12' 10	83.4%	142,457	3,392	539,258	539.26	<b>544.0</b>	244.67	24.34	6.58	<b>3,579.5</b>	<b>133,100</b>	17.5	
24' 11	12' 9	83.5%	142,644	3,396	539,965	539.97	<b>544.71</b>	244.67	24.35	6.60	<b>3,595.1</b>	<b>133,274</b>	17.5	
25' 0	12' 8	83.6%	142,831	3,401	540,672	540.67	<b>545.42</b>	244.67	24.37	6.63	<b>3,616.1</b>	<b>133,448</b>	17.5	
25' 1	12' 7	83.7%	143,017	3,405	541,379	541.38	<b>546.14</b>	244.67	24.38	6.65	<b>3,631.8</b>	<b>133,624</b>	17.5	
25' 2	12' 6	83.8%	143,204	3,410	542,086	542.09	<b>546.85</b>	244.67	24.40	6.67	<b>3,647.5</b>	<b>133,798</b>	17.5	
25' 3	12' 5	83.9%	143,391	3,414	542,792	542.79	<b>547.56</b>	244.67	24.41	6.70	<b>3,668.7</b>	<b>133,972</b>	17.5	
25' 4	12' 4	84.0%	143,577	3,419	543,499	543.50	<b>548.28</b>	244.67	24.43	6.72	<b>3,684.4</b>	<b>134,148</b>	17.5	
25' 5	12' 3	84.1%	143,764	3,423	544,206	544.21	<b>548.99</b>	244.67	24.45	6.75	<b>3,705.7</b>	<b>134,321</b>	17.5	
25' 6	12' 2	84.3%	143,951	3,427	544,913	544.91	<b>549.70</b>	244.67	24.46	6.77	<b>3,721.5</b>	<b>134,495</b>	17.5	
25' 7	12' 1	84.4%	144,138	3,432	545,620	545.62	<b>550.42</b>	244.67	24.48	6.80	<b>3,742.9</b>	<b>134,671</b>	17.5	
25' 8	12' 0	84.5%	144,324	3,436	546,327	546.33	<b>551.13</b>	244.67	24.49	6.82	<b>3,758.7</b>	<b>134,845</b>	17.5	
25' 9	11' 11	84.6%	144,511	3,441	547,034	547.03	<b>551.84</b>	244.67	24.51	6.84	<b>3,774.6</b>	<b>135,019</b>	17.5	
25' 10	11' 10	84.7%	144,698	3,445	547,740	547.74	<b>552.55</b>	244.67	24.52	6.87	<b>3,796.0</b>	<b>135,192</b>	17.5	
25' 11	11' 9	84.8%	144,884	3,450	548,447	548.45	<b>553.27</b>	244.67	24.54	6.89	<b>3,812.0</b>	<b>135,369</b>	17.5	
26' 0	11' 8	84.9%	145,071	3,454	549,154	549.15	<b>553.98</b>	244.67	24.56	6.92	<b>3,833.5</b>	<b>135,542</b>	17.5	
26' 1	11' 7	85.0%	145,258	3,459	549,861	549.86	<b>554.69</b>	244.67	24.57	6.94	<b>3,849.5</b>	<b>135,716</b>	17.5	
26' 2	11' 6	85.1%	145,445	3,463	550,567	550.57	<b>555.41</b>	244.67	24.59	6.97	<b>3,871.2</b>	<b>135,892</b>	17.5	
26' 3	11' 5	85.2%	145,631	3,467	551,274	551.27	<b>556.12</b>	244.67	24.60	6.99	<b>3,887.3</b>	<b>136,066</b>	17.5	
26' 4	11' 4	85.3%	145,818	3,472	551,981	551.98	<b>556.83</b>	244.67	24.62	7.02	<b>3,908.9</b>	<b>136,240</b>	17.5	
26' 5	11' 3	85.5%	146,005	3,476	552,688	552.69	<b>557.55</b>	244.67	24.63	7.04	<b>3,925.2</b>	<b>136,416</b>	17.5	
26' 6	11' 2	85.6%	146,191	3,481	553,395	553.39	<b>558.26</b>	244.67	24.65	7.07	<b>3,946.9</b>	<b>136,589</b>	17.5	
26' 7	11' 1	85.7%	146,378	3,485	554,102	554.10	<b>558.97</b>	244.67	24.66	7.09	<b>3,963.1</b>	<b>136,763</b>	17.5	
26' 8	11' 0	85.8%	146,565	3,490	554,808	554.81	<b>559.68</b>	244.67	24.68	7.12	<b>3,984.9</b>	<b>136,937</b>	17.5	
26' 9	10' 11	85.9%	146,752	3,494	555,515	555.52	<b>560.40</b>	244.67	24.69	7.14	<b>4,001.3</b>	<b>137,113</b>	17.5	
26' 10	10' 10	86.0%	146,938	3,499	556,222	556.22	<b>561.11</b>	244.67	24.71	7.17	<b>4,023.2</b>	<b>137,287</b>	17.5	
26' 11	10' 9	86.1%	147,125	3,503	556,929	556.93	<b>561.82</b>	244.67	24.72	7.19	<b>4,039.5</b>	<b>137,460</b>	17.5	
27' 0	10' 8	86.2%	147,312	3,507	557,635	557.64	<b>562.54</b>	244.67	24.74	7.22	<b>4,061.5</b>	<b>137,637</b>	17.5	
27' 1	10' 7	86.3%	147,499	3,512	558,343	558.34	<b>563.25</b>	244.67	24.75	7.24	<b>4,077.9</b>	<b>137,810</b>	17.5	
27' 2	10' 6	86.4%	147,685	3,516	559,049	559.05	<b>563.96</b>	244.67	24.77	7.27	<b>4,100.0</b>	<b>137,984</b>	17.5	
27' 3	10' 5	86.5%	147,872	3,521	559,756	559.76	<b>564.68</b>	244.67	24.78	7.29	<b>4,116.5</b>	<b>138,160</b>	17.5	
27' 4	10' 4	86.7%	148,059	3,525	560,463	560.46	<b>565.39</b>	244.67	24.80	7.32	<b>4,138.7</b>	<b>138,334</b>	17.5	
27' 5	10' 3	86.8%	148,245	3,530	561,170	561.17	<b>566.10</b>	244.67	24.81	7.34	<b>4,155.2</b>	<b>138,508</b>	17.5	
27' 6	10' 2	86.9%	148,432	3,534	561,877	561.88	<b>566.81</b>	244.67	24.83	7.37	<b>4,177.4</b>	<b>138,681</b>	17.5	

Tank		Ballast #4 STBD												
Specific Gravity		1.025												
Trim		0												
Capacity		170,859 Gallons												
Label(s)		Ball#4.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
27' 7	10' 1	87.0%	148,619	3,539	562,583	562.58	<b>567.53</b>	244.67	24.84	7.40	<b>4,199.7</b>	<b>138,858</b>	17.5	
27' 8	10' 0	87.1%	148,806	3,543	563,290	563.29	<b>568.24</b>	244.67	24.86	7.42	<b>4,216.3</b>	<b>139,031</b>	17.5	
27' 9	9' 11	87.2%	148,992	3,547	563,997	564.0	<b>568.95</b>	244.67	24.87	7.45	<b>4,238.7</b>	<b>139,205</b>	17.5	
27' 10	9' 10	87.3%	149,179	3,552	564,704	564.70	<b>569.67</b>	244.67	24.88	7.47	<b>4,255.4</b>	<b>139,381</b>	17.5	
27' 11	9' 9	87.4%	149,366	3,556	565,410	565.41	<b>570.38</b>	244.67	24.90	7.50	<b>4,277.9</b>	<b>139,555</b>	17.5	
28' 0	9' 8	87.5%	149,552	3,561	566,117	566.12	<b>571.09</b>	244.67	24.91	7.52	<b>4,294.6</b>	<b>139,729</b>	17.5	
28' 1	9' 7	87.6%	149,739	3,565	566,824	566.82	<b>571.81</b>	244.67	24.93	7.55	<b>4,317.2</b>	<b>139,905</b>	17.5	
28' 2	9' 6	87.7%	149,926	3,570	567,531	567.53	<b>572.52</b>	244.67	24.94	7.57	<b>4,334.0</b>	<b>140,078</b>	17.5	
28' 3	9' 5	87.9%	150,113	3,574	568,238	568.24	<b>573.23</b>	244.67	24.96	7.60	<b>4,356.5</b>	<b>140,252</b>	17.5	
28' 4	9' 4	88.0%	150,299	3,579	568,945	568.94	<b>573.95</b>	244.67	24.97	7.63	<b>4,379.2</b>	<b>140,428</b>	17.5	
28' 5	9' 3	88.1%	150,486	3,583	569,651	569.65	<b>574.66</b>	244.67	24.99	7.65	<b>4,396.1</b>	<b>140,602</b>	17.5	
28' 6	9' 2	88.2%	150,673	3,587	570,358	570.36	<b>575.37</b>	244.67	25.00	7.68	<b>4,418.8</b>	<b>140,776</b>	17.5	
28' 7	9' 1	88.3%	150,859	3,592	571,065	571.06	<b>576.08</b>	244.67	25.01	7.70	<b>4,435.8</b>	<b>140,949</b>	17.5	
28' 8	9' 0	88.4%	151,046	3,596	571,772	571.77	<b>576.80</b>	244.67	25.03	7.73	<b>4,458.7</b>	<b>141,126</b>	17.5	
28' 9	8' 11	88.5%	151,233	3,601	572,479	572.48	<b>577.51</b>	244.67	25.04	7.76	<b>4,481.5</b>	<b>141,299</b>	17.5	
28' 10	8' 10	88.6%	151,420	3,605	573,186	573.19	<b>578.22</b>	244.67	25.06	7.78	<b>4,498.6</b>	<b>141,473</b>	17.5	
28' 11	8' 9	88.7%	151,606	3,610	573,892	573.89	<b>578.94</b>	244.67	25.07	7.81	<b>4,521.5</b>	<b>141,649</b>	17.5	
29' 0	8' 8	88.8%	151,793	3,614	574,599	574.60	<b>579.65</b>	244.67	25.08	7.83	<b>4,538.7</b>	<b>141,823</b>	17.5	
29' 1	8' 7	89.0%	151,980	3,619	575,306	575.31	<b>580.36</b>	244.67	25.10	7.86	<b>4,561.6</b>	<b>141,997</b>	17.5	
29' 2	8' 6	89.1%	152,167	3,623	576,013	576.01	<b>581.08</b>	244.67	25.11	7.89	<b>4,584.7</b>	<b>142,173</b>	17.5	
29' 3	8' 5	89.2%	152,353	3,627	576,720	576.72	<b>581.79</b>	244.67	25.13	7.91	<b>4,602.0</b>	<b>142,347</b>	17.5	
29' 4	8' 4	89.3%	152,540	3,632	577,426	577.43	<b>582.50</b>	244.67	25.14	7.94	<b>4,625.1</b>	<b>142,520</b>	17.5	
29' 5	8' 3	89.4%	152,727	3,636	578,133	578.13	<b>583.21</b>	244.67	25.15	7.97	<b>4,648.2</b>	<b>142,694</b>	17.5	
29' 6	8' 2	89.5%	152,913	3,641	578,840	578.84	<b>583.93</b>	244.67	25.17	7.99	<b>4,665.6</b>	<b>142,870</b>	17.5	
29' 7	8' 1	89.6%	153,100	3,645	579,547	579.55	<b>584.64</b>	244.67	25.18	8.02	<b>4,688.8</b>	<b>143,044</b>	17.5	
29' 8	8' 0	89.7%	153,287	3,650	580,254	580.25	<b>585.35</b>	244.67	25.20	8.04	<b>4,706.2</b>	<b>143,218</b>	17.5	
29' 9	7' 11	89.8%	153,474	3,654	580,960	580.96	<b>586.07</b>	244.67	25.21	8.07	<b>4,729.6</b>	<b>143,394</b>	17.5	
29' 10	7' 10	89.9%	153,660	3,659	581,667	581.67	<b>586.78</b>	244.67	25.22	8.10	<b>4,752.9</b>	<b>143,567</b>	17.5	
29' 11	7' 9	90.0%	153,847	3,663	582,374	582.37	<b>587.49</b>	244.67	25.24	8.12	<b>4,770.4</b>	<b>143,741</b>	17.5	
30' 0	7' 8	90.2%	154,034	3,667	583,081	583.08	<b>588.21</b>	244.67	25.25	8.15	<b>4,793.9</b>	<b>143,917</b>	17.5	
30' 1	7' 7	90.3%	154,220	3,672	583,788	583.79	<b>588.92</b>	244.67	25.26	8.18	<b>4,817.4</b>	<b>144,091</b>	17.5	
30' 2	7' 6	90.4%	154,407	3,676	584,494	584.49	<b>589.63</b>	244.67	25.28	8.20	<b>4,835.0</b>	<b>144,265</b>	17.5	
30' 3	7' 5	90.5%	154,594	3,681	585,201	585.20	<b>590.34</b>	244.67	25.29	8.23	<b>4,858.5</b>	<b>144,438</b>	17.5	

Tank		Ballast #4 STBD												
Specific Gravity		1.025												
Trim		0												
Capacity		170,859 Gallons												
Label(s)		Ball#4.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
30' 4	7' 4	90.6%	154,781	3,685	585,908	585.91	<b>591.06</b>	244.67	25.31	8.26	<b>4,882.2</b>	<b>144,615</b>	17.5	
30' 5	7' 3	90.7%	154,967	3,690	586,615	586.62	<b>591.77</b>	244.67	25.32	8.28	<b>4,899.9</b>	<b>144,788</b>	17.5	
30' 6	7' 2	90.8%	155,154	3,694	587,322	587.32	<b>592.48</b>	244.67	25.33	8.31	<b>4,923.5</b>	<b>144,962</b>	17.5	
30' 7	7' 1	90.9%	155,341	3,699	588,029	588.03	<b>593.20</b>	244.67	25.35	8.34	<b>4,947.3</b>	<b>145,138</b>	17.5	
30' 8	7' 0	91.0%	155,527	3,703	588,735	588.74	<b>593.91</b>	244.67	25.36	8.36	<b>4,965.1</b>	<b>145,312</b>	17.5	
30' 9	6' 11	91.1%	155,714	3,707	589,442	589.44	<b>594.62</b>	244.67	25.37	8.39	<b>4,988.9</b>	<b>145,486</b>	17.5	
30' 10	6' 10	91.2%	155,901	3,712	590,149	590.15	<b>595.34</b>	244.67	25.39	8.42	<b>5,012.8</b>	<b>145,662</b>	17.5	
30' 11	6' 9	91.4%	156,088	3,716	590,856	590.86	<b>596.05</b>	244.67	25.40	8.45	<b>5,036.6</b>	<b>145,836</b>	17.5	
31' 0	6' 8	91.5%	156,274	3,721	591,563	591.56	<b>596.76</b>	244.67	25.41	8.47	<b>5,054.6</b>	<b>146,009</b>	17.5	
31' 1	6' 7	91.6%	156,461	3,725	592,269	592.27	<b>597.47</b>	244.67	25.43	8.50	<b>5,078.5</b>	<b>146,183</b>	17.5	
31' 2	6' 6	91.7%	156,648	3,730	592,976	592.98	<b>598.19</b>	244.67	25.44	8.53	<b>5,102.6</b>	<b>146,359</b>	17.5	
31' 3	6' 5	91.8%	156,835	3,734	593,683	593.68	<b>598.90</b>	244.67	25.45	8.55	<b>5,120.6</b>	<b>146,533</b>	17.5	
31' 4	6' 4	91.9%	157,021	3,739	594,390	594.39	<b>599.61</b>	244.67	25.47	8.58	<b>5,144.7</b>	<b>146,707</b>	17.5	
31' 5	6' 3	92.0%	157,208	3,743	595,097	595.10	<b>600.33</b>	244.67	25.48	8.61	<b>5,168.8</b>	<b>146,883</b>	17.5	
31' 6	6' 2	92.1%	157,395	3,747	595,803	595.80	<b>601.04</b>	244.67	25.49	8.64	<b>5,193.0</b>	<b>147,056</b>	17.5	
31' 7	6' 1	92.2%	157,581	3,752	596,510	596.51	<b>601.75</b>	244.67	25.50	8.66	<b>5,211.2</b>	<b>147,230</b>	17.5	
31' 8	6' 0	92.3%	157,768	3,756	597,217	597.22	<b>602.47</b>	244.67	25.52	8.69	<b>5,235.5</b>	<b>147,406</b>	17.5	
31' 9	5' 11	92.4%	157,955	3,761	597,924	597.92	<b>603.18</b>	244.67	25.53	8.72	<b>5,259.7</b>	<b>147,580</b>	17.5	
31' 10	5' 10	92.6%	158,142	3,765	598,631	598.63	<b>603.89</b>	244.67	25.54	8.74	<b>5,278.0</b>	<b>147,754</b>	17.5	
31' 11	5' 9	92.7%	158,328	3,770	599,337	599.34	<b>604.61</b>	244.67	25.56	8.77	<b>5,302.4</b>	<b>147,930</b>	17.5	
32' 0	5' 8	92.8%	158,515	3,774	600,044	600.04	<b>605.32</b>	244.67	25.57	8.80	<b>5,326.8</b>	<b>148,104</b>	17.5	
32' 1	5' 7	92.9%	158,702	3,779	600,751	600.75	<b>606.03</b>	244.67	25.58	8.83	<b>5,351.2</b>	<b>148,277</b>	17.5	
32' 2	5' 6	93.0%	158,888	3,783	601,458	601.46	<b>606.74</b>	244.67	25.60	8.85	<b>5,369.6</b>	<b>148,451</b>	17.5	
32' 3	5' 5	93.1%	159,075	3,788	602,165	602.16	<b>607.46</b>	244.67	25.61	8.88	<b>5,394.2</b>	<b>148,627</b>	17.5	
32' 4	5' 4	93.2%	159,262	3,792	602,871	602.87	<b>608.17</b>	244.67	25.62	8.91	<b>5,418.8</b>	<b>148,801</b>	17.5	
32' 5	5' 3	93.3%	159,449	3,796	603,578	603.58	<b>608.88</b>	244.67	25.63	8.94	<b>5,443.4</b>	<b>148,975</b>	17.5	
32' 6	5' 2	93.4%	159,635	3,801	604,285	604.28	<b>609.60</b>	244.67	25.65	8.96	<b>5,462.0</b>	<b>149,151</b>	17.5	
32' 7	5' 1	93.5%	159,822	3,805	604,992	604.99	<b>610.31</b>	244.67	25.66	8.99	<b>5,486.7</b>	<b>149,325</b>	17.5	
32' 8	5' 0	93.6%	160,009	3,810	605,699	605.70	<b>611.02</b>	244.67	25.67	9.02	<b>5,511.4</b>	<b>149,498</b>	17.5	
32' 9	4' 11	93.8%	160,195	3,814	606,406	606.41	<b>611.74</b>	244.67	25.68	9.05	<b>5,536.2</b>	<b>149,674</b>	17.5	
32' 10	4' 10	93.9%	160,382	3,819	607,112	607.11	<b>612.45</b>	244.67	25.70	9.08	<b>5,561.0</b>	<b>149,848</b>	17.5	
32' 11	4' 9	94.0%	160,569	3,823	607,819	607.82	<b>613.16</b>	244.67	25.71	9.10	<b>5,579.8</b>	<b>150,022</b>	17.5	
33' 0	4' 8	94.1%	160,756	3,828	608,526	608.53	<b>613.87</b>	244.67	25.72	9.13	<b>5,604.6</b>	<b>150,196</b>	17.5	



Tank		Ballast #4 STBD												
Specific Gravity		1.025												
Trim		0												
Capacity		170,859 Gallons												
Label(s)		Ball#4.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
33' 1	4' 7	94.2%	160,942	3,832	609,233	609.23	<b>614.59</b>	244.67	25.74	9.16	<b>5,629.6</b>	<b>150,372</b>	17.5	
33' 2	4' 6	94.3%	161,129	3,836	609,940	609.94	<b>615.30</b>	244.67	25.75	9.19	<b>5,654.6</b>	<b>150,545</b>	17.5	
33' 3	4' 5	94.4%	161,316	3,841	610,646	610.65	<b>616.01</b>	244.67	25.76	9.21	<b>5,673.5</b>	<b>150,719</b>	17.5	
33' 4	4' 4	94.5%	161,502	3,845	611,353	611.35	<b>616.73</b>	244.67	25.77	9.24	<b>5,698.6</b>	<b>150,895</b>	17.5	
33' 5	4' 3	94.6%	161,689	3,850	612,060	612.06	<b>617.44</b>	244.67	25.78	9.27	<b>5,723.7</b>	<b>151,069</b>	17.5	
33' 6	4' 2	94.7%	161,876	3,854	612,767	612.77	<b>618.15</b>	244.67	25.80	9.30	<b>5,748.8</b>	<b>151,243</b>	17.5	
33' 7	4' 1	94.9%	162,063	3,859	613,473	613.47	<b>618.87</b>	244.67	25.81	9.33	<b>5,774.1</b>	<b>151,419</b>	17.5	
33' 8	4' 0	95.0%	162,249	3,863	614,180	614.18	<b>619.58</b>	244.67	25.82	9.35	<b>5,793.1</b>	<b>151,593</b>	17.5	
33' 9	3' 11	95.1%	162,436	3,868	614,887	614.89	<b>620.29</b>	244.67	25.83	9.38	<b>5,818.3</b>	<b>151,766</b>	17.5	
33' 10	3' 10	95.2%	162,623	3,872	615,594	615.59	<b>621.0</b>	244.67	25.85	9.41	<b>5,843.6</b>	<b>151,940</b>	17.5	
33' 11	3' 9	95.3%	162,809	3,876	616,301	616.30	<b>621.72</b>	244.67	25.86	9.44	<b>5,869.0</b>	<b>152,116</b>	17.5	
34' 0	3' 8	95.4%	162,996	3,881	617,007	617.01	<b>622.43</b>	244.67	25.87	9.47	<b>5,894.4</b>	<b>152,290</b>	17.5	
34' 1	3' 7	95.5%	163,183	3,885	617,714	617.71	<b>623.14</b>	244.67	25.88	9.50	<b>5,919.8</b>	<b>152,464</b>	17.5	
34' 2	3' 6	95.6%	163,370	3,890	618,421	618.42	<b>623.86</b>	244.67	25.90	9.52	<b>5,939.1</b>	<b>152,640</b>	17.5	
34' 3	3' 5	95.7%	163,556	3,894	619,128	619.13	<b>624.57</b>	244.67	25.91	9.55	<b>5,964.6</b>	<b>152,814</b>	17.5	
34' 4	3' 4	95.8%	163,743	3,899	619,835	619.83	<b>625.28</b>	244.67	25.92	9.58	<b>5,990.2</b>	<b>152,987</b>	17.5	
34' 5	3' 3	95.9%	163,930	3,903	620,541	620.54	<b>626.0</b>	244.67	25.93	9.61	<b>6,015.9</b>	<b>153,163</b>	17.5	
34' 6	3' 2	96.1%	164,116	3,908	621,248	621.25	<b>626.71</b>	244.67	25.94	9.64	<b>6,041.5</b>	<b>153,337</b>	17.5	
34' 7	3' 1	96.2%	164,303	3,912	621,955	621.95	<b>627.42</b>	244.67	25.96	9.67	<b>6,067.2</b>	<b>153,511</b>	17.5	
34' 8	3' 0	96.3%	164,490	3,916	622,662	622.66	<b>628.13</b>	244.67	25.97	9.69	<b>6,086.6</b>	<b>153,685</b>	17.5	
34' 9	2' 11	96.4%	164,677	3,921	623,369	623.37	<b>628.85</b>	244.67	25.98	9.72	<b>6,112.4</b>	<b>153,861</b>	17.5	
34' 10	2' 10	96.5%	164,863	3,925	624,075	624.08	<b>629.56</b>	244.67	25.99	9.75	<b>6,138.2</b>	<b>154,034</b>	17.5	
34' 11	2' 9	96.6%	165,050	3,930	624,782	624.78	<b>630.27</b>	244.67	26.00	9.78	<b>6,164.0</b>	<b>154,208</b>	17.5	
35' 0	2' 8	96.7%	165,237	3,934	625,489	625.49	<b>630.99</b>	244.67	26.02	9.81	<b>6,190.0</b>	<b>154,384</b>	17.5	
35' 1	2' 7	96.8%	165,423	3,939	626,196	626.20	<b>631.70</b>	244.67	26.03	9.84	<b>6,215.9</b>	<b>154,558</b>	17.5	
35' 2	2' 6	96.9%	165,610	3,943	626,902	626.90	<b>632.41</b>	244.67	26.04	9.87	<b>6,241.9</b>	<b>154,732</b>	17.5	
35' 3	2' 5	97.0%	165,797	3,948	627,610	627.61	<b>633.13</b>	244.67	26.05	9.89	<b>6,261.7</b>	<b>154,908</b>	17.5	
35' 4	2' 4	97.1%	165,984	3,952	628,316	628.32	<b>633.84</b>	244.67	26.06	9.92	<b>6,287.7</b>	<b>155,082</b>	17.5	
35' 5	2' 3	97.3%	166,170	3,956	629,023	629.02	<b>634.55</b>	244.67	26.07	9.95	<b>6,313.8</b>	<b>155,255</b>	17.5	
35' 6	2' 2	97.4%	166,357	3,961	629,730	629.73	<b>635.26</b>	244.67	26.09	9.98	<b>6,339.9</b>	<b>155,429</b>	17.5	
35' 7	2' 1	97.5%	166,544	3,965	630,436	630.44	<b>635.98</b>	244.67	26.10	10.01	<b>6,366.2</b>	<b>155,605</b>	17.5	
35' 8	2' 0	97.6%	166,730	3,970	631,143	631.14	<b>636.69</b>	244.67	26.11	10.04	<b>6,392.4</b>	<b>155,779</b>	17.5	
35' 9	1' 11	97.7%	166,917	3,974	631,850	631.85	<b>637.40</b>	244.67	26.12	10.07	<b>6,418.6</b>	<b>155,953</b>	17.5	

Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
35' 10	1' 10	97.8%	167,104	3,979	632,557	632.56	<b>638.12</b>	244.67	26.13	10.10	<b>6,445.0</b>	<b>156,129</b>	17.5
35' 11	1' 9	97.9%	167,291	3,983	633,264	633.26	<b>638.83</b>	244.67	26.14	10.12	<b>6,465.0</b>	<b>156,303</b>	17.5
36' 0	1' 8	98.0%	167,477	3,988	633,971	633.97	<b>639.54</b>	244.67	26.16	10.15	<b>6,491.3</b>	<b>156,476</b>	17.5
36' 1	1' 7	98.1%	167,664	3,992	634,677	634.68	<b>640.26</b>	244.67	26.17	10.18	<b>6,517.8</b>	<b>156,652</b>	17.5
36' 2	1' 6	98.2%	167,851	3,996	635,384	635.38	<b>640.97</b>	244.67	26.18	10.21	<b>6,544.3</b>	<b>156,826</b>	17.5
36' 3	1' 5	98.3%	168,038	4,001	636,091	636.09	<b>641.68</b>	244.67	26.19	10.24	<b>6,570.8</b>	<b>157,000</b>	17.5
36' 4	1' 4	98.5%	168,224	4,005	636,798	636.80	<b>642.39</b>	244.67	26.20	10.27	<b>6,597.3</b>	<b>157,174</b>	17.5
36' 5	1' 3	98.6%	168,411	4,010	637,505	637.50	<b>643.11</b>	244.67	26.21	10.30	<b>6,624.0</b>	<b>157,350</b>	17.5
36' 6	1' 2	98.7%	168,598	4,014	638,211	638.21	<b>643.82</b>	244.67	26.22	10.33	<b>6,650.7</b>	<b>157,523</b>	17.5
36' 7	1' 1	98.8%	168,784	4,019	638,917	638.92	<b>644.53</b>	244.67	26.24	10.36	<b>6,677.3</b>	<b>157,697</b>	17.3
36' 8	1' 0	98.9%	168,969	4,023	639,619	639.62	<b>645.24</b>	244.67	26.25	10.39	<b>6,704.0</b>	<b>157,871</b>	17.1
36' 9	0' 11	99.0%	169,154	4,027	640,318	640.32	<b>645.95</b>	244.67	26.26	10.41	<b>6,724.3</b>	<b>158,045</b>	16.9
36' 10	0' 10	99.1%	169,338	4,032	641,014	641.01	<b>646.65</b>	244.67	26.27	10.44	<b>6,751.0</b>	<b>158,216</b>	16.6
36' 11	0' 9	99.2%	169,521	4,036	641,707	641.71	<b>647.35</b>	244.67	26.28	10.47	<b>6,777.8</b>	<b>158,387</b>	16.4
37' 0	0' 8	99.3%	169,703	4,041	642,397	642.40	<b>648.04</b>	244.67	26.29	10.50	<b>6,804.4</b>	<b>158,556</b>	16.1
37' 1	0' 7	99.4%	169,883	4,045	643,077	643.08	<b>648.73</b>	244.67	26.30	10.53	<b>6,831.1</b>	<b>158,725</b>	15.3
37' 2	0' 6	99.5%	170,060	4,049	643,746	643.75	<b>649.40</b>	244.67	26.31	10.56	<b>6,857.7</b>	<b>158,889</b>	14.5
37' 3	0' 5	99.6%	170,234	4,053	644,404	644.40	<b>650.07</b>	244.67	26.32	10.58	<b>6,877.7</b>	<b>159,053</b>	13.7
37' 4	0' 4	99.7%	170,404	4,057	645,050	645.05	<b>650.72</b>	244.67	26.33	10.61	<b>6,904.1</b>	<b>159,212</b>	13.0
37' 5	0' 3	99.8%	170,570	4,061	645,677	645.68	<b>651.35</b>	244.67	26.34	10.64	<b>6,930.4</b>	<b>159,366</b>	11.2
37' 6	0' 2	99.9%	170,725	4,065	646,265	646.27	<b>651.95</b>	244.67	26.35	10.66	<b>6,949.8</b>	<b>159,513</b>	9.3
37' 7	0' 1	100.0%	170,859	4,068	646,773	646.77	<b>652.46</b>	244.67	26.36	10.68	<b>6,968.3</b>	<b>159,637</b>	2.0

Tank		Ballast #5 PORT											
Specific Gravity		1.025											
Trim		0											
Capacity		171,045 Gallons											
Label(s)		Ball#5.p											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
0' 1	37' 6	0	3136	75	11871	12	12	306	18	0	2	3661	8958
0' 2	37' 5	0	4632	110	17534	18	18	306	18	0	3	5409	9066
0' 3	37' 4	0	6134	146	23218	23	23	306	18	0	6	7162	9170
0' 4	37' 3	0	7640	182	28919	29	29	306	18	0	8	8921	9222
0' 5	37' 2	0	9148	218	34630	35	35	306	18	0	11	10684	9271
0' 6	37' 1	0	10660	254	40352	40	41	306	18	0	15	12453	9320
0' 7	37' 0	0	12174	290	46083	46	46	306	18	0	19	14221	9368
0' 8	36' 11	0	13690	326	51824	52	52	306	18	0	23	15993	9415
0' 9	36' 10	0	15209	362	57572	58	58	306	18	0	28	17768	9437
0' 10	36' 9	0	16728	398	63324	63	64	306	18	1	34	19543	9457
0' 11	36' 8	0	18249	435	69080	69	70	306	19	1	40	21320	9478
1' 0	36' 7	0	19771	471	74841	75	76	306	19	1	46	23098	9497
1' 1	36' 6	0	21294	507	80605	81	81	306	19	1	53	24876	9514
1' 2	36' 5	0	22817	543	86372	86	87	306	19	1	61	26657	9531
1' 3	36' 4	0	24341	580	92142	92	93	306	19	1	69	28438	9538
1' 4	36' 3	0	25866	616	97913	98	99	306	19	1	77	30219	9546
1' 5	36' 2	0	27391	652	103686	104	105	306	19	1	86	32003	9552
1' 6	36' 1	0	28916	688	109460	109	110	306	19	1	95	33784	9553
1' 7	36' 0	0	30441	725	115233	115	116	306	19	1	106	35568	9553
1' 8	35' 11	0	31967	761	121007	121	122	306	19	1	116	37349	9553
1' 9	35' 10	0	33492	797	126781	127	128	306	19	1	127	39129	9553
1' 10	35' 9	0	35017	834	132554	133	134	306	19	1	138	40914	9553
1' 11	35' 8	0	36542	870	138328	138	140	306	19	1	149	42695	9553
2' 0	35' 7	0	38068	906	144101	144	145	306	19	1	161	44479	9553
2' 1	35' 6	0	39593	943	149875	150	151	306	19	1	175	46260	9553
2' 2	35' 5	0	41118	979	155648	156	157	306	19	1	188	48043	9553
2' 3	35' 4	0	42643	1015	161422	161	163	306	19	1	202	49824	9553
2' 4	35' 3	0	44168	1052	167196	167	169	306	19	1	216	51608	9553
2' 5	35' 2	0	45694	1088	172969	173	174	306	19	1	230	53389	9553
2' 6	35' 1	0	47219	1124	178743	179	180	306	19	1	245	55169	9553
2' 7	35' 0	0	48744	1161	184516	185	186	306	19	1	262	56953	9553
2' 8	34' 11	0	50269	1197	190290	190	192	306	19	1	278	58736	9553
2' 9	34' 10	0	51794	1233	196063	196	198	306	19	1	295	60520	9553

Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
2' 10	34' 9	0	53320	1270	201837	202	<b>204</b>	306	19	2	<b>312</b>	<b>62301</b>	9553
2' 11	34' 8	0	54845	1306	207611	208	<b>209</b>	306	19	2	<b>329</b>	<b>64084</b>	9553
3' 0	34' 7	0	56370	1342	213384	213	<b>215</b>	306	19	2	<b>347</b>	<b>65865</b>	9553
3' 1	34' 6	33.8%	57,895	1,378	219,158	219.16	<b>221.08</b>	305.98	18.67	1.66	<b>367.0</b>	<b>67,646</b>	9,552.9
3' 2	34' 5	34.7%	59,421	1,415	224,931	224.93	<b>226.91</b>	305.98	18.67	1.70	<b>385.7</b>	<b>69,430</b>	9,552.9
3' 3	34' 4	35.6%	60,946	1,451	230,705	230.70	<b>232.73</b>	305.98	18.67	1.74	<b>405.0</b>	<b>71,211</b>	9,552.9
3' 4	34' 3	36.5%	62,471	1,487	236,478	236.48	<b>238.56</b>	305.98	18.67	1.78	<b>424.6</b>	<b>72,995</b>	9,552.9
3' 5	34' 2	37.4%	63,996	1,524	242,252	242.25	<b>244.38</b>	305.98	18.68	1.82	<b>444.8</b>	<b>74,775</b>	9,552.9
3' 6	34' 1	38.3%	65,521	1,560	248,026	248.03	<b>250.21</b>	305.98	18.68	1.86	<b>465.4</b>	<b>76,559</b>	9,552.9
3' 7	34' 0	39.2%	67,047	1,596	253,799	253.80	<b>256.03</b>	305.98	18.68	1.91	<b>489.0</b>	<b>78,340</b>	9,552.9
3' 8	33' 11	40.1%	68,572	1,633	259,573	259.57	<b>261.85</b>	305.98	18.68	1.95	<b>510.6</b>	<b>80,121</b>	9,552.9
3' 9	33' 10	41.0%	70,097	1,669	265,346	265.35	<b>267.68</b>	305.98	18.68	1.99	<b>532.7</b>	<b>81,905</b>	9,552.9
3' 10	33' 9	41.9%	71,622	1,705	271,120	271.12	<b>273.50</b>	305.98	18.68	2.03	<b>555.2</b>	<b>83,686</b>	9,552.9
3' 11	33' 8	42.8%	73,148	1,742	276,894	276.89	<b>279.33</b>	305.98	18.69	2.07	<b>578.2</b>	<b>85,469</b>	9,552.9
4' 0	33' 7	43.7%	74,673	1,778	282,667	282.67	<b>285.15</b>	305.98	18.69	2.11	<b>601.7</b>	<b>87,250</b>	9,552.9
4' 1	33' 6	44.5%	76,198	1,814	288,441	288.44	<b>290.98</b>	305.98	18.69	2.16	<b>628.5</b>	<b>89,034</b>	9,552.9
4' 2	33' 5	45.4%	77,723	1,851	294,214	294.21	<b>296.80</b>	305.98	18.69	2.20	<b>653.0</b>	<b>90,815</b>	9,552.9
4' 3	33' 4	46.3%	79,248	1,887	299,988	299.99	<b>302.62</b>	305.98	18.69	2.24	<b>677.9</b>	<b>92,596</b>	9,552.9
4' 4	33' 3	47.2%	80,774	1,923	305,761	305.76	<b>308.45</b>	305.98	18.69	2.28	<b>703.3</b>	<b>94,380</b>	9,552.9
4' 5	33' 2	48.1%	82,299	1,959	311,535	311.54	<b>314.27</b>	305.99	18.69	2.32	<b>729.1</b>	<b>96,163</b>	9,552.9
4' 6	33' 1	49.0%	83,824	1,996	317,309	317.31	<b>320.10</b>	305.99	18.69	2.37	<b>758.6</b>	<b>97,947</b>	9,552.9
4' 7	33' 0	49.9%	85,349	2,032	323,082	323.08	<b>325.92</b>	305.99	18.69	2.41	<b>785.5</b>	<b>99,728</b>	9,552.9
4' 8	32' 11	50.8%	86,875	2,068	328,856	328.86	<b>331.75</b>	305.99	18.70	2.45	<b>812.8</b>	<b>101,512</b>	9,552.9
4' 9	32' 10	51.7%	88,400	2,105	334,629	334.63	<b>337.57</b>	305.99	18.70	2.49	<b>840.5</b>	<b>103,293</b>	9,552.9
4' 10	32' 9	52.6%	89,925	2,141	340,403	340.40	<b>343.39</b>	305.99	18.70	2.53	<b>868.8</b>	<b>105,074</b>	9,552.9
4' 11	32' 8	53.5%	91,450	2,177	346,177	346.18	<b>349.22</b>	305.99	18.70	2.57	<b>897.5</b>	<b>106,858</b>	9,552.9
5' 0	32' 7	54.4%	92,975	2,214	351,950	351.95	<b>355.04</b>	305.99	18.70	2.62	<b>930.2</b>	<b>108,639</b>	9,552.9
5' 1	32' 6	55.2%	94,501	2,250	357,724	357.72	<b>360.87</b>	305.99	18.70	2.66	<b>959.9</b>	<b>110,423</b>	9,552.9
5' 2	32' 5	56.0%	95,843	2,282	362,806	362.81	<b>365.99</b>	305.99	18.73	2.69	<b>984.5</b>	<b>111,989</b>	5,206.5
5' 3	32' 4	56.7%	96,984	2,309	367,123	367.12	<b>370.35</b>	306.00	18.79	2.72	<b>1,007.4</b>	<b>113,327</b>	3,342.8
5' 4	32' 3	57.3%	97,932	2,332	370,714	370.71	<b>373.97</b>	306.01	18.86	2.75	<b>1,028.4</b>	<b>114,439</b>	2,038.0
5' 5	32' 2	57.7%	98,686	2,350	373,569	373.57	<b>376.85</b>	306.02	18.94	2.77	<b>1,043.9</b>	<b>115,324</b>	1,141.2
5' 6	32' 1	58.0%	99,243	2,363	375,674	375.67	<b>378.98</b>	306.03	19.01	2.79	<b>1,057.4</b>	<b>115,979</b>	527.9

Tank		Ballast #5 PORT												
Specific Gravity		1.025												
Trim		0												
Capacity		171,045 Gallons												
Label(s)		Ball#5.p												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
5' 7	32' 0	58.2%	99,600	2,371	377,028	377.03	<b>380.34</b>	306.04	19.06	2.80	<b>1,065.0</b>	<b>116,399</b>	250.1	
5' 8	31' 11	58.4%	99,822	2,377	377,869	377.87	<b>381.19</b>	306.05	19.09	2.81	<b>1,071.1</b>	<b>116,663</b>	119.5	
5' 9	31' 10	58.5%	100,029	2,382	378,650	378.65	<b>381.98</b>	306.06	19.13	2.81	<b>1,073.4</b>	<b>116,909</b>	52.2	
5' 10	31' 9	58.6%	100,225	2,386	379,393	379.39	<b>382.73</b>	306.06	19.16	2.82	<b>1,079.3</b>	<b>117,138</b>	25.3	
5' 11	31' 8	58.7%	100,415	2,391	380,113	380.11	<b>383.45</b>	306.06	19.19	2.82	<b>1,081.3</b>	<b>117,359</b>	18.6	
6' 0	31' 7	58.8%	100,604	2,395	380,826	380.83	<b>384.17</b>	306.06	19.23	2.83	<b>1,087.2</b>	<b>117,579</b>	18.0	
6' 1	31' 6	58.9%	100,791	2,400	381,537	381.54	<b>384.89</b>	306.06	19.26	2.84	<b>1,093.1</b>	<b>117,799</b>	17.9	
6' 2	31' 5	59.0%	100,979	2,404	382,246	382.25	<b>385.61</b>	306.06	19.29	2.84	<b>1,095.1</b>	<b>118,020</b>	17.7	
6' 3	31' 4	59.1%	101,166	2,409	382,954	382.95	<b>386.32</b>	306.06	19.32	2.85	<b>1,101.0</b>	<b>118,237</b>	17.6	
6' 4	31' 3	59.3%	101,353	2,413	383,662	383.66	<b>387.03</b>	306.06	19.35	2.86	<b>1,106.9</b>	<b>118,454</b>	17.6	
6' 5	31' 2	59.4%	101,540	2,418	384,369	384.37	<b>387.75</b>	306.06	19.38	2.86	<b>1,109.0</b>	<b>118,675</b>	17.5	
6' 6	31' 1	59.5%	101,726	2,422	385,076	385.08	<b>388.46</b>	306.06	19.42	2.87	<b>1,114.9</b>	<b>118,892</b>	17.5	
6' 7	31' 0	59.6%	101,913	2,427	385,783	385.78	<b>389.17</b>	306.06	19.45	2.88	<b>1,120.8</b>	<b>119,109</b>	17.5	
6' 8	30' 11	59.7%	102,100	2,431	386,489	386.49	<b>389.89</b>	306.06	19.48	2.88	<b>1,122.9</b>	<b>119,330</b>	17.5	
6' 9	30' 10	59.8%	102,286	2,435	387,196	387.20	<b>390.60</b>	306.06	19.51	2.89	<b>1,128.8</b>	<b>119,547</b>	17.5	
6' 10	30' 9	59.9%	102,473	2,440	387,903	387.90	<b>391.31</b>	306.06	19.54	2.90	<b>1,134.8</b>	<b>119,764</b>	17.5	
6' 11	30' 8	60.0%	102,660	2,444	388,610	388.61	<b>392.03</b>	306.06	19.57	2.91	<b>1,140.8</b>	<b>119,985</b>	17.5	
7' 0	30' 7	60.1%	102,847	2,449	389,317	389.32	<b>392.74</b>	306.06	19.60	2.91	<b>1,142.9</b>	<b>120,202</b>	17.5	
7' 1	30' 6	60.2%	103,033	2,453	390,023	390.02	<b>393.45</b>	306.06	19.63	2.92	<b>1,148.9</b>	<b>120,419</b>	17.5	
7' 2	30' 5	60.3%	103,220	2,458	390,730	390.73	<b>394.16</b>	306.06	19.66	2.93	<b>1,154.9</b>	<b>120,637</b>	17.5	
7' 3	30' 4	60.5%	103,407	2,462	391,437	391.44	<b>394.88</b>	306.06	19.69	2.94	<b>1,160.9</b>	<b>120,857</b>	17.5	
7' 4	30' 3	60.6%	103,594	2,467	392,144	392.14	<b>395.59</b>	306.06	19.72	2.95	<b>1,167.0</b>	<b>121,074</b>	17.5	
7' 5	30' 2	60.7%	103,780	2,471	392,851	392.85	<b>396.30</b>	306.06	19.75	2.95	<b>1,169.1</b>	<b>121,292</b>	17.5	
7' 6	30' 1	60.8%	103,967	2,475	393,558	393.56	<b>397.02</b>	306.06	19.78	2.96	<b>1,175.2</b>	<b>121,512</b>	17.5	
7' 7	30' 0	60.9%	104,154	2,480	394,264	394.26	<b>397.73</b>	306.06	19.81	2.97	<b>1,181.3</b>	<b>121,729</b>	17.5	
7' 8	29' 11	61.0%	104,340	2,484	394,971	394.97	<b>398.44</b>	306.06	19.84	2.98	<b>1,187.4</b>	<b>121,947</b>	17.5	
7' 9	29' 10	61.1%	104,527	2,489	395,678	395.68	<b>399.16</b>	306.06	19.87	2.99	<b>1,193.5</b>	<b>122,167</b>	17.5	
7' 10	29' 9	61.2%	104,714	2,493	396,385	396.38	<b>399.87</b>	306.06	19.90	3.00	<b>1,199.6</b>	<b>122,384</b>	17.5	
7' 11	29' 8	61.3%	104,901	2,498	397,092	397.09	<b>400.58</b>	306.06	19.93	3.01	<b>1,205.7</b>	<b>122,602</b>	17.5	
8' 0	29' 7	61.4%	105,087	2,502	397,798	397.80	<b>401.29</b>	306.06	19.96	3.01	<b>1,207.9</b>	<b>122,819</b>	17.5	
8' 1	29' 6	61.5%	105,274	2,507	398,505	398.51	<b>402.01</b>	306.06	19.99	3.02	<b>1,214.1</b>	<b>123,039</b>	17.5	
8' 2	29' 5	61.7%	105,461	2,511	399,212	399.21	<b>402.72</b>	306.06	20.02	3.03	<b>1,220.2</b>	<b>123,256</b>	17.5	
8' 3	29' 4	61.8%	105,647	2,515	399,919	399.92	<b>403.43</b>	306.06	20.05	3.04	<b>1,226.4</b>	<b>123,474</b>	17.5	

Tank		Ballast #5 PORT												
Specific Gravity		1.025												
Trim		0												
Capacity		171,045 Gallons												
Label(s)		Ball#5.p												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
8' 4	29' 3	61.9%	105,834	2,520	400,626	400.63	<b>404.15</b>	306.06	20.08	3.05	<b>1,232.7</b>	<b>123,694</b>	17.5	
8' 5	29' 2	62.0%	106,021	2,524	401,332	401.33	<b>404.86</b>	306.06	20.11	3.06	<b>1,238.9</b>	<b>123,911</b>	17.5	
8' 6	29' 1	62.1%	106,208	2,529	402,040	402.04	<b>405.57</b>	306.06	20.14	3.07	<b>1,245.1</b>	<b>124,129</b>	17.5	
8' 7	29' 0	62.2%	106,394	2,533	402,746	402.75	<b>406.29</b>	306.06	20.17	3.08	<b>1,251.4</b>	<b>124,349</b>	17.5	
8' 8	28' 11	62.3%	106,581	2,538	403,453	403.45	<b>407.0</b>	306.06	20.20	3.09	<b>1,257.6</b>	<b>124,566</b>	17.5	
8' 9	28' 10	62.4%	106,768	2,542	404,160	404.16	<b>407.71</b>	306.06	20.22	3.10	<b>1,263.9</b>	<b>124,784</b>	17.5	
8' 10	28' 9	62.5%	106,954	2,547	404,866	404.87	<b>408.42</b>	306.06	20.25	3.11	<b>1,270.2</b>	<b>125,001</b>	17.5	
8' 11	28' 8	62.6%	107,141	2,551	405,574	405.57	<b>409.14</b>	306.06	20.28	3.12	<b>1,276.5</b>	<b>125,221</b>	17.5	
9' 0	28' 7	62.7%	107,328	2,555	406,280	406.28	<b>409.85</b>	306.06	20.31	3.13	<b>1,282.8</b>	<b>125,439</b>	17.5	
9' 1	28' 6	62.9%	107,515	2,560	406,987	406.99	<b>410.56</b>	306.06	20.34	3.14	<b>1,289.2</b>	<b>125,656</b>	17.5	
9' 2	28' 5	63.0%	107,701	2,564	407,694	407.69	<b>411.28</b>	306.06	20.37	3.15	<b>1,295.5</b>	<b>125,876</b>	17.5	
9' 3	28' 4	63.1%	107,888	2,569	408,401	408.40	<b>411.99</b>	306.06	20.39	3.16	<b>1,301.9</b>	<b>126,094</b>	17.5	
9' 4	28' 3	63.2%	108,075	2,573	409,108	409.11	<b>412.70</b>	306.06	20.42	3.18	<b>1,312.4</b>	<b>126,311</b>	17.5	
9' 5	28' 2	63.3%	108,262	2,578	409,814	409.81	<b>413.42</b>	306.06	20.45	3.19	<b>1,318.8</b>	<b>126,531</b>	17.5	
9' 6	28' 1	63.4%	108,448	2,582	410,521	410.52	<b>414.13</b>	306.06	20.48	3.20	<b>1,325.2</b>	<b>126,749</b>	17.5	
9' 7	28' 0	63.5%	108,635	2,587	411,228	411.23	<b>414.84</b>	306.06	20.50	3.21	<b>1,331.6</b>	<b>126,966</b>	17.5	
9' 8	27' 11	63.6%	108,822	2,591	411,935	411.93	<b>415.56</b>	306.06	20.53	3.22	<b>1,338.1</b>	<b>127,186</b>	17.5	
9' 9	27' 10	63.7%	109,008	2,595	412,642	412.64	<b>416.27</b>	306.06	20.56	3.23	<b>1,344.6</b>	<b>127,404</b>	17.5	
9' 10	27' 9	63.8%	109,195	2,600	413,348	413.35	<b>416.98</b>	306.05	20.59	3.24	<b>1,351.0</b>	<b>127,617</b>	17.5	
9' 11	27' 8	63.9%	109,382	2,604	414,055	414.06	<b>417.69</b>	306.05	20.61	3.25	<b>1,357.5</b>	<b>127,834</b>	17.5	
10' 0	27' 7	64.1%	109,569	2,609	414,762	414.76	<b>418.41</b>	306.05	20.64	3.27	<b>1,368.2</b>	<b>128,054</b>	17.5	
10' 1	27' 6	64.2%	109,755	2,613	415,469	415.47	<b>419.12</b>	306.05	20.67	3.28	<b>1,374.7</b>	<b>128,272</b>	17.5	
10' 2	27' 5	64.3%	109,942	2,618	416,176	416.18	<b>419.83</b>	306.05	20.69	3.29	<b>1,381.2</b>	<b>128,489</b>	17.5	
10' 3	27' 4	64.4%	110,129	2,622	416,882	416.88	<b>420.55</b>	306.05	20.72	3.30	<b>1,387.8</b>	<b>128,709</b>	17.5	
10' 4	27' 3	64.5%	110,315	2,627	417,589	417.59	<b>421.26</b>	306.05	20.75	3.31	<b>1,394.4</b>	<b>128,927</b>	17.5	
10' 5	27' 2	64.6%	110,502	2,631	418,296	418.30	<b>421.97</b>	306.05	20.77	3.33	<b>1,405.2</b>	<b>129,144</b>	17.5	
10' 6	27' 1	64.7%	110,689	2,635	419,003	419.0	<b>422.69</b>	306.05	20.80	3.34	<b>1,411.8</b>	<b>129,364</b>	17.5	
10' 7	27' 0	64.8%	110,876	2,640	419,710	419.71	<b>423.40</b>	306.05	20.83	3.35	<b>1,418.4</b>	<b>129,582</b>	17.5	
10' 8	26' 11	64.9%	111,062	2,644	420,417	420.42	<b>424.11</b>	306.05	20.85	3.36	<b>1,425.0</b>	<b>129,799</b>	17.5	
10' 9	26' 10	65.0%	111,249	2,649	421,123	421.12	<b>424.82</b>	306.05	20.88	3.38	<b>1,435.9</b>	<b>130,016</b>	17.5	
10' 10	26' 9	65.2%	111,436	2,653	421,830	421.83	<b>425.54</b>	306.05	20.91	3.39	<b>1,442.6</b>	<b>130,237</b>	17.5	
10' 11	26' 8	65.3%	111,623	2,658	422,537	422.54	<b>426.25</b>	306.05	20.93	3.40	<b>1,449.3</b>	<b>130,454</b>	17.5	
11' 0	26' 7	65.4%	111,809	2,662	423,244	423.24	<b>426.96</b>	306.05	20.96	3.41	<b>1,455.9</b>	<b>130,671</b>	17.5	

Tank		Ballast #5 PORT												
Specific Gravity		1.025												
Trim		0												
Capacity		171,045 Gallons												
Label(s)		Ball#5.p												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
11' 1	26' 6	65.5%	111,996	2,667	423,951	423.95	<b>427.68</b>	306.05	20.98	3.43	<b>1,466.9</b>	<b>130,891</b>	17.5	
11' 2	26' 5	65.6%	112,183	2,671	424,657	424.66	<b>428.39</b>	306.05	21.01	3.44	<b>1,473.7</b>	<b>131,109</b>	17.5	
11' 3	26' 4	65.7%	112,369	2,675	425,364	425.36	<b>429.10</b>	306.05	21.04	3.45	<b>1,480.4</b>	<b>131,326</b>	17.5	
11' 4	26' 3	65.8%	112,556	2,680	426,071	426.07	<b>429.82</b>	306.05	21.06	3.47	<b>1,491.5</b>	<b>131,546</b>	17.5	
11' 5	26' 2	65.9%	112,743	2,684	426,778	426.78	<b>430.53</b>	306.05	21.09	3.48	<b>1,498.2</b>	<b>131,764</b>	17.5	
11' 6	26' 1	66.0%	112,930	2,689	427,485	427.48	<b>431.24</b>	306.05	21.11	3.49	<b>1,505.0</b>	<b>131,981</b>	17.5	
11' 7	26' 0	66.1%	113,116	2,693	428,191	428.19	<b>431.95</b>	306.05	21.14	3.51	<b>1,516.1</b>	<b>132,198</b>	17.5	
11' 8	25' 11	66.2%	113,303	2,698	428,899	428.90	<b>432.67</b>	306.05	21.16	3.52	<b>1,523.0</b>	<b>132,419</b>	17.5	
11' 9	25' 10	66.4%	113,490	2,702	429,605	429.61	<b>433.38</b>	306.05	21.19	3.53	<b>1,529.8</b>	<b>132,636</b>	17.5	
11' 10	25' 9	66.5%	113,676	2,707	430,312	430.31	<b>434.09</b>	306.05	21.21	3.55	<b>1,541.0</b>	<b>132,853</b>	17.5	
11' 11	25' 8	66.6%	113,863	2,711	431,019	431.02	<b>434.81</b>	306.05	21.24	3.56	<b>1,547.9</b>	<b>133,074</b>	17.5	
12' 0	25' 7	66.7%	114,050	2,715	431,725	431.73	<b>435.52</b>	306.05	21.26	3.58	<b>1,559.2</b>	<b>133,291</b>	17.5	
12' 1	25' 6	66.8%	114,237	2,720	432,433	432.43	<b>436.23</b>	306.05	21.29	3.59	<b>1,566.1</b>	<b>133,508</b>	17.5	
12' 2	25' 5	66.9%	114,423	2,724	433,139	433.14	<b>436.95</b>	306.05	21.31	3.60	<b>1,573.0</b>	<b>133,729</b>	17.5	
12' 3	25' 4	67.0%	114,610	2,729	433,846	433.85	<b>437.66</b>	306.05	21.34	3.62	<b>1,584.3</b>	<b>133,946</b>	17.5	
12' 4	25' 3	67.1%	114,797	2,733	434,553	434.55	<b>438.37</b>	306.05	21.36	3.63	<b>1,591.3</b>	<b>134,163</b>	17.5	
12' 5	25' 2	67.2%	114,983	2,738	435,260	435.26	<b>439.09</b>	306.05	21.39	3.65	<b>1,602.7</b>	<b>134,383</b>	17.5	
12' 6	25' 1	67.3%	115,170	2,742	435,967	435.97	<b>439.80</b>	306.05	21.41	3.66	<b>1,609.7</b>	<b>134,601</b>	17.5	
12' 7	25' 0	67.4%	115,357	2,747	436,673	436.67	<b>440.51</b>	306.05	21.44	3.68	<b>1,621.1</b>	<b>134,818</b>	17.5	
12' 8	24' 11	67.6%	115,544	2,751	437,380	437.38	<b>441.22</b>	306.05	21.46	3.69	<b>1,628.1</b>	<b>135,035</b>	17.5	
12' 9	24' 10	67.7%	115,730	2,755	438,087	438.09	<b>441.94</b>	306.05	21.49	3.71	<b>1,639.6</b>	<b>135,256</b>	17.5	
12' 10	24' 9	67.8%	115,917	2,760	438,794	438.79	<b>442.65</b>	306.05	21.51	3.72	<b>1,646.7</b>	<b>135,473</b>	17.5	
12' 11	24' 8	67.9%	116,104	2,764	439,501	439.50	<b>443.36</b>	306.05	21.53	3.74	<b>1,658.2</b>	<b>135,690</b>	17.5	
13' 0	24' 7	68.0%	116,291	2,769	440,207	440.21	<b>444.08</b>	306.05	21.56	3.75	<b>1,665.3</b>	<b>135,911</b>	17.5	
13' 1	24' 6	68.1%	116,477	2,773	440,914	440.91	<b>444.79</b>	306.05	21.58	3.77	<b>1,676.9</b>	<b>136,128</b>	17.5	
13' 2	24' 5	68.2%	116,664	2,778	441,621	441.62	<b>445.50</b>	306.05	21.61	3.78	<b>1,684.0</b>	<b>136,345</b>	17.5	
13' 3	24' 4	68.3%	116,851	2,782	442,328	442.33	<b>446.22</b>	306.05	21.63	3.80	<b>1,695.6</b>	<b>136,566</b>	17.5	
13' 4	24' 3	68.4%	117,037	2,787	443,035	443.03	<b>446.93</b>	306.05	21.65	3.81	<b>1,702.8</b>	<b>136,783</b>	17.5	
13' 5	24' 2	68.5%	117,224	2,791	443,741	443.74	<b>447.64</b>	306.05	21.68	3.83	<b>1,714.5</b>	<b>137,000</b>	17.5	
13' 6	24' 1	68.6%	117,411	2,795	444,448	444.45	<b>448.35</b>	306.05	21.70	3.84	<b>1,721.7</b>	<b>137,218</b>	17.5	
13' 7	24' 0	68.8%	117,598	2,800	445,155	445.15	<b>449.07</b>	306.05	21.72	3.86	<b>1,733.4</b>	<b>137,438</b>	17.5	
13' 8	23' 11	68.9%	117,784	2,804	445,862	445.86	<b>449.78</b>	306.05	21.75	3.87	<b>1,740.6</b>	<b>137,655</b>	17.5	
13' 9	23' 10	69.0%	117,971	2,809	446,569	446.57	<b>450.49</b>	306.05	21.77	3.89	<b>1,752.4</b>	<b>137,872</b>	17.5	

Tank		Ballast #5 PORT												
Specific Gravity		1.025												
Trim		0												
Capacity		171,045 Gallons												
Label(s)		Ball#5.p												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
13' 10	23' 9	69.1%	118,158	2,813	447,276	447.28	451.21	306.05	21.79	3.91	1,764.2	138,093	17.5	
13' 11	23' 8	69.2%	118,344	2,818	447,982	447.98	451.92	306.05	21.82	3.92	1,771.5	138,310	17.5	
14' 0	23' 7	69.3%	118,531	2,822	448,689	448.69	452.63	306.05	21.84	3.94	1,783.4	138,527	17.5	
14' 1	23' 6	69.4%	118,718	2,827	449,396	449.40	453.35	306.05	21.86	3.95	1,790.7	138,748	17.5	
14' 2	23' 5	69.5%	118,905	2,831	450,103	450.10	454.06	306.05	21.89	3.97	1,802.6	138,965	17.5	
14' 3	23' 4	69.6%	119,091	2,836	450,810	450.81	454.77	306.05	21.91	3.99	1,814.5	139,182	17.5	
14' 4	23' 3	69.7%	119,278	2,840	451,516	451.52	455.48	306.05	21.93	4.00	1,821.9	139,400	17.5	
14' 5	23' 2	69.8%	119,465	2,844	452,223	452.22	456.20	306.05	21.96	4.02	1,833.9	139,620	17.5	
14' 6	23' 1	70.0%	119,652	2,849	452,930	452.93	456.91	306.05	21.98	4.04	1,845.9	139,837	17.5	
14' 7	23' 0	70.1%	119,838	2,853	453,637	453.64	457.62	306.05	22.00	4.05	1,853.4	140,055	17.5	
14' 8	22' 11	70.2%	120,025	2,858	454,344	454.34	458.34	306.05	22.02	4.07	1,865.4	140,275	17.5	
14' 9	22' 10	70.3%	120,212	2,862	455,051	455.05	459.05	306.05	22.05	4.09	1,877.5	140,492	17.5	
14' 10	22' 9	70.4%	120,398	2,867	455,758	455.76	459.76	306.05	22.07	4.10	1,885.0	140,710	17.5	
14' 11	22' 8	70.5%	120,585	2,871	456,464	456.46	460.48	306.05	22.09	4.12	1,897.2	140,930	17.5	
15' 0	22' 7	70.6%	120,772	2,876	457,171	457.17	461.19	306.05	22.11	4.14	1,909.3	141,147	17.5	
15' 1	22' 6	70.7%	120,959	2,880	457,878	457.88	461.90	306.05	22.14	4.15	1,916.9	141,364	17.5	
15' 2	22' 5	70.8%	121,145	2,884	458,584	458.58	462.62	306.05	22.16	4.17	1,929.1	141,585	17.5	
15' 3	22' 4	70.9%	121,332	2,889	459,291	459.29	463.33	306.05	22.18	4.19	1,941.4	141,802	17.5	
15' 4	22' 3	71.0%	121,519	2,893	459,998	460.0	464.04	306.05	22.20	4.21	1,953.6	142,019	17.5	
15' 5	22' 2	71.2%	121,705	2,898	460,705	460.71	464.75	306.05	22.22	4.22	1,961.2	142,237	17.5	
15' 6	22' 1	71.3%	121,892	2,902	461,412	461.41	465.47	306.05	22.25	4.24	1,973.6	142,457	17.5	
15' 7	22' 0	71.4%	122,079	2,907	462,119	462.12	466.18	306.05	22.27	4.26	1,985.9	142,674	17.5	
15' 8	21' 11	71.5%	122,266	2,911	462,825	462.83	466.89	306.05	22.29	4.28	1,998.3	142,892	17.5	
15' 9	21' 10	71.6%	122,452	2,916	463,532	463.53	467.61	306.05	22.31	4.29	2,006.0	143,112	17.5	
15' 10	21' 9	71.7%	122,639	2,920	464,239	464.24	468.32	306.05	22.33	4.31	2,018.5	143,329	17.5	
15' 11	21' 8	71.8%	122,826	2,924	464,946	464.95	469.03	306.05	22.35	4.33	2,030.9	143,547	17.5	
16' 0	21' 7	71.9%	123,012	2,929	465,653	465.65	469.75	306.05	22.38	4.35	2,043.4	143,767	17.5	
16' 1	21' 6	72.0%	123,199	2,933	466,360	466.36	470.46	306.05	22.40	4.36	2,051.2	143,984	17.5	
16' 2	21' 5	72.1%	123,386	2,938	467,066	467.07	471.17	306.05	22.42	4.38	2,063.7	144,202	17.5	
16' 3	21' 4	72.2%	123,573	2,942	467,773	467.77	471.88	306.05	22.44	4.40	2,076.3	144,419	17.5	
16' 4	21' 3	72.4%	123,759	2,947	468,480	468.48	472.60	306.05	22.46	4.42	2,088.9	144,639	17.5	
16' 5	21' 2	72.5%	123,946	2,951	469,187	469.19	473.31	306.05	22.48	4.44	2,101.5	144,857	17.5	
16' 6	21' 1	72.6%	124,133	2,956	469,894	469.89	474.02	306.05	22.50	4.46	2,114.1	145,074	17.5	



Tank		Ballast #5 PORT												
Specific Gravity		1.025												
Trim		0												
Capacity		171,045 Gallons												
Label(s)		Ball#5.p												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
16' 7	21' 0	72.7%	124,320	2,960	470,601	470.60	<b>474.74</b>	306.05	22.52	4.47	<b>2,122.1</b>	<b>145,294</b>	17.5	
16' 8	20' 11	72.8%	124,506	2,964	471,307	471.31	<b>475.45</b>	306.05	22.55	4.49	<b>2,134.8</b>	<b>145,511</b>	17.5	
16' 9	20' 10	72.9%	124,693	2,969	472,014	472.01	<b>476.16</b>	306.05	22.57	4.51	<b>2,147.5</b>	<b>145,729</b>	17.5	
16' 10	20' 9	73.0%	124,880	2,973	472,721	472.72	<b>476.88</b>	306.05	22.59	4.53	<b>2,160.3</b>	<b>145,949</b>	17.5	
16' 11	20' 8	73.1%	125,066	2,978	473,428	473.43	<b>477.59</b>	306.05	22.61	4.55	<b>2,173.0</b>	<b>146,166</b>	17.5	
17' 0	20' 7	73.2%	125,253	2,982	474,135	474.13	<b>478.30</b>	306.05	22.63	4.57	<b>2,185.8</b>	<b>146,384</b>	17.5	
17' 1	20' 6	73.3%	125,440	2,987	474,842	474.84	<b>479.01</b>	306.05	22.65	4.59	<b>2,198.7</b>	<b>146,601</b>	17.5	
17' 2	20' 5	73.4%	125,627	2,991	475,548	475.55	<b>479.73</b>	306.05	22.67	4.60	<b>2,206.8</b>	<b>146,821</b>	17.5	
17' 3	20' 4	73.6%	125,813	2,996	476,255	476.26	<b>480.44</b>	306.05	22.69	4.62	<b>2,219.6</b>	<b>147,039</b>	17.5	
17' 4	20' 3	73.7%	126,000	3,000	476,962	476.96	<b>481.15</b>	306.05	22.71	4.64	<b>2,232.5</b>	<b>147,256</b>	17.5	
17' 5	20' 2	73.8%	126,187	3,004	477,669	477.67	<b>481.87</b>	306.05	22.73	4.66	<b>2,245.5</b>	<b>147,476</b>	17.5	
17' 6	20' 1	73.9%	126,373	3,009	478,375	478.38	<b>482.58</b>	306.05	22.75	4.68	<b>2,258.5</b>	<b>147,694</b>	17.5	
17' 7	20' 0	74.0%	126,560	3,013	479,082	479.08	<b>483.29</b>	306.05	22.77	4.70	<b>2,271.5</b>	<b>147,911</b>	17.5	
17' 8	19' 11	74.1%	126,747	3,018	479,789	479.79	<b>484.01</b>	306.05	22.79	4.72	<b>2,284.5</b>	<b>148,131</b>	17.5	
17' 9	19' 10	74.2%	126,934	3,022	480,496	480.50	<b>484.72</b>	306.05	22.81	4.74	<b>2,297.6</b>	<b>148,349</b>	17.5	
17' 10	19' 9	74.3%	127,120	3,027	481,203	481.20	<b>485.43</b>	306.05	22.83	4.76	<b>2,310.6</b>	<b>148,566</b>	17.5	
17' 11	19' 8	74.4%	127,307	3,031	481,910	481.91	<b>486.15</b>	306.05	22.85	4.78	<b>2,323.8</b>	<b>148,786</b>	17.5	
18' 0	19' 7	74.5%	127,494	3,036	482,617	482.62	<b>486.86</b>	306.05	22.87	4.80	<b>2,336.9</b>	<b>149,004</b>	17.5	
18' 1	19' 6	74.6%	127,681	3,040	483,323	483.32	<b>487.57</b>	306.05	22.89	4.82	<b>2,350.1</b>	<b>149,221</b>	17.5	
18' 2	19' 5	74.8%	127,867	3,044	484,030	484.03	<b>488.28</b>	306.05	22.91	4.84	<b>2,363.3</b>	<b>149,438</b>	17.5	
18' 3	19' 4	74.9%	128,054	3,049	484,737	484.74	<b>489.0</b>	306.05	22.93	4.86	<b>2,376.5</b>	<b>149,658</b>	17.5	
18' 4	19' 3	75.0%	128,241	3,053	485,444	485.44	<b>489.71</b>	306.05	22.95	4.88	<b>2,389.8</b>	<b>149,876</b>	17.5	
18' 5	19' 2	75.1%	128,427	3,058	486,151	486.15	<b>490.42</b>	306.05	22.97	4.90	<b>2,403.1</b>	<b>150,093</b>	17.5	
18' 6	19' 1	75.2%	128,614	3,062	486,857	486.86	<b>491.14</b>	306.05	22.99	4.92	<b>2,416.4</b>	<b>150,313</b>	17.5	
18' 7	19' 0	75.3%	128,801	3,067	487,564	487.56	<b>491.85</b>	306.05	23.01	4.94	<b>2,429.7</b>	<b>150,531</b>	17.5	
18' 8	18' 11	75.4%	128,988	3,071	488,271	488.27	<b>492.56</b>	306.05	23.03	4.96	<b>2,443.1</b>	<b>150,748</b>	17.5	
18' 9	18' 10	75.5%	129,174	3,076	488,978	488.98	<b>493.28</b>	306.05	23.05	4.98	<b>2,456.5</b>	<b>150,968</b>	17.5	
18' 10	18' 9	75.6%	129,361	3,080	489,685	489.68	<b>493.99</b>	306.05	23.07	5.00	<b>2,470.0</b>	<b>151,186</b>	17.5	
18' 11	18' 8	75.7%	129,548	3,084	490,391	490.39	<b>494.70</b>	306.05	23.09	5.02	<b>2,483.4</b>	<b>151,403</b>	17.5	
19' 0	18' 7	75.8%	129,735	3,089	491,099	491.10	<b>495.41</b>	306.05	23.11	5.04	<b>2,496.9</b>	<b>151,620</b>	17.5	
19' 1	18' 6	76.0%	129,921	3,093	491,805	491.81	<b>496.13</b>	306.05	23.13	5.06	<b>2,510.4</b>	<b>151,841</b>	17.5	
19' 2	18' 5	76.1%	130,108	3,098	492,512	492.51	<b>496.84</b>	306.05	23.15	5.08	<b>2,523.9</b>	<b>152,058</b>	17.5	
19' 3	18' 4	76.2%	130,295	3,102	493,219	493.22	<b>497.55</b>	306.05	23.17	5.10	<b>2,537.5</b>	<b>152,275</b>	17.5	

Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
19' 4	18' 3	76.3%	130,481	3,107	493,925	493.93	<b>498.27</b>	306.05	23.19	5.12	<b>2,551.1</b>	<b>152,496</b>	17.5
19' 5	18' 2	76.4%	130,668	3,111	494,633	494.63	<b>498.98</b>	306.05	23.20	5.14	<b>2,564.8</b>	<b>152,713</b>	17.5
19' 6	18' 1	76.5%	130,855	3,116	495,339	495.34	<b>499.69</b>	306.05	23.22	5.16	<b>2,578.4</b>	<b>152,930</b>	17.5
19' 7	18' 0	76.6%	131,042	3,120	496,046	496.05	<b>500.41</b>	306.05	23.24	5.18	<b>2,592.1</b>	<b>153,150</b>	17.5
19' 8	17' 11	76.7%	131,228	3,124	496,753	496.75	<b>501.12</b>	306.05	23.26	5.20	<b>2,605.8</b>	<b>153,368</b>	17.5
19' 9	17' 10	76.8%	131,415	3,129	497,460	497.46	<b>501.83</b>	306.05	23.28	5.22	<b>2,619.6</b>	<b>153,585</b>	17.5
19' 10	17' 9	76.9%	131,602	3,133	498,167	498.17	<b>502.55</b>	306.05	23.30	5.24	<b>2,633.4</b>	<b>153,805</b>	17.5
19' 11	17' 8	77.0%	131,788	3,138	498,873	498.87	<b>503.26</b>	306.05	23.32	5.26	<b>2,647.1</b>	<b>154,023</b>	17.5
20' 0	17' 7	77.2%	131,975	3,142	499,580	499.58	<b>503.97</b>	306.05	23.34	5.28	<b>2,661.0</b>	<b>154,240</b>	17.5
20' 1	17' 6	77.3%	132,162	3,147	500,287	500.29	<b>504.68</b>	306.05	23.35	5.31	<b>2,679.9</b>	<b>154,457</b>	17.5
20' 2	17' 5	77.4%	132,349	3,151	500,994	500.99	<b>505.40</b>	306.05	23.37	5.33	<b>2,693.8</b>	<b>154,678</b>	17.5
20' 3	17' 4	77.5%	132,535	3,156	501,701	501.70	<b>506.11</b>	306.05	23.39	5.35	<b>2,707.7</b>	<b>154,895</b>	17.5
20' 4	17' 3	77.6%	132,722	3,160	502,407	502.41	<b>506.82</b>	306.05	23.41	5.37	<b>2,721.6</b>	<b>155,112</b>	17.5
20' 5	17' 2	77.7%	132,909	3,164	503,114	503.11	<b>507.54</b>	306.05	23.43	5.39	<b>2,735.6</b>	<b>155,333</b>	17.5
20' 6	17' 1	77.8%	133,096	3,169	503,821	503.82	<b>508.25</b>	306.05	23.45	5.41	<b>2,749.6</b>	<b>155,550</b>	17.5
20' 7	17' 0	77.9%	133,282	3,173	504,528	504.53	<b>508.96</b>	306.05	23.47	5.43	<b>2,763.7</b>	<b>155,767</b>	17.5
20' 8	16' 11	78.0%	133,469	3,178	505,235	505.23	<b>509.68</b>	306.05	23.48	5.45	<b>2,777.8</b>	<b>155,988</b>	17.5
20' 9	16' 10	78.1%	133,656	3,182	505,941	505.94	<b>510.39</b>	306.04	23.50	5.48	<b>2,796.9</b>	<b>156,200</b>	17.5
20' 10	16' 9	78.2%	133,842	3,187	506,649	506.65	<b>511.10</b>	306.04	23.52	5.50	<b>2,811.1</b>	<b>156,417</b>	17.5
20' 11	16' 8	78.4%	134,029	3,191	507,355	507.36	<b>511.81</b>	306.04	23.54	5.52	<b>2,825.2</b>	<b>156,634</b>	17.5
21' 0	16' 7	78.5%	134,216	3,196	508,062	508.06	<b>512.53</b>	306.04	23.56	5.54	<b>2,839.4</b>	<b>156,855</b>	17.5
21' 1	16' 6	78.6%	134,403	3,200	508,769	508.77	<b>513.24</b>	306.04	23.57	5.56	<b>2,853.6</b>	<b>157,072</b>	17.5
21' 2	16' 5	78.7%	134,589	3,205	509,476	509.48	<b>513.95</b>	306.04	23.59	5.58	<b>2,867.8</b>	<b>157,289</b>	17.5
21' 3	16' 4	78.8%	134,776	3,209	510,183	510.18	<b>514.67</b>	306.04	23.61	5.61	<b>2,887.3</b>	<b>157,510</b>	17.5
21' 4	16' 3	78.9%	134,963	3,213	510,889	510.89	<b>515.38</b>	306.04	23.63	5.63	<b>2,901.6</b>	<b>157,727</b>	17.5
21' 5	16' 2	79.0%	135,149	3,218	511,596	511.60	<b>516.09</b>	306.04	23.65	5.65	<b>2,915.9</b>	<b>157,944</b>	17.5
21' 6	16' 1	79.1%	135,336	3,222	512,303	512.30	<b>516.81</b>	306.04	23.66	5.67	<b>2,930.3</b>	<b>158,165</b>	17.5
21' 7	16' 0	79.2%	135,523	3,227	513,010	513.01	<b>517.52</b>	306.04	23.68	5.69	<b>2,944.7</b>	<b>158,382</b>	17.5
21' 8	15' 11	79.3%	135,710	3,231	513,717	513.72	<b>518.23</b>	306.04	23.70	5.72	<b>2,964.3</b>	<b>158,599</b>	17.5
21' 9	15' 10	79.5%	135,896	3,236	514,423	514.42	<b>518.94</b>	306.04	23.72	5.74	<b>2,978.7</b>	<b>158,816</b>	17.5
21' 10	15' 9	79.6%	136,083	3,240	515,131	515.13	<b>519.66</b>	306.04	23.73	5.76	<b>2,993.2</b>	<b>159,037</b>	17.5
21' 11	15' 8	79.7%	136,270	3,245	515,837	515.84	<b>520.37</b>	306.04	23.75	5.78	<b>3,007.7</b>	<b>159,254</b>	17.5
22' 0	15' 7	79.8%	136,457	3,249	516,544	516.54	<b>521.08</b>	306.04	23.77	5.81	<b>3,027.5</b>	<b>159,471</b>	17.5

Tank		Ballast #5 PORT												
Specific Gravity		1.025												
Trim		0												
Capacity		171,045 Gallons												
Label(s)		Ball#5.p												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
22' 1	15' 6	79.9%	136,643	3,253	517,251	517.25	<b>521.80</b>	306.04	23.79	5.83	<b>3,042.1</b>	<b>159,692</b>	17.5	
22' 2	15' 5	80.0%	136,830	3,258	517,958	517.96	<b>522.51</b>	306.04	23.80	5.85	<b>3,056.7</b>	<b>159,909</b>	17.5	
22' 3	15' 4	80.1%	137,017	3,262	518,665	518.66	<b>523.22</b>	306.04	23.82	5.87	<b>3,071.3</b>	<b>160,126</b>	17.5	
22' 4	15' 3	80.2%	137,203	3,267	519,371	519.37	<b>523.94</b>	306.04	23.84	5.90	<b>3,091.2</b>	<b>160,347</b>	17.5	
22' 5	15' 2	80.3%	137,390	3,271	520,078	520.08	<b>524.65</b>	306.04	23.86	5.92	<b>3,105.9</b>	<b>160,564</b>	17.5	
22' 6	15' 1	80.4%	137,577	3,276	520,785	520.78	<b>525.36</b>	306.04	23.87	5.94	<b>3,120.6</b>	<b>160,781</b>	17.5	
22' 7	15' 0	80.5%	137,764	3,280	521,492	521.49	<b>526.08</b>	306.04	23.89	5.96	<b>3,135.4</b>	<b>161,002</b>	17.5	
22' 8	14' 11	80.7%	137,950	3,285	522,199	522.20	<b>526.79</b>	306.04	23.91	5.99	<b>3,155.5</b>	<b>161,219</b>	17.5	
22' 9	14' 10	80.8%	138,137	3,289	522,905	522.91	<b>527.50</b>	306.04	23.92	6.01	<b>3,170.3</b>	<b>161,436</b>	17.5	
22' 10	14' 9	80.9%	138,324	3,293	523,612	523.61	<b>528.21</b>	306.04	23.94	6.03	<b>3,185.1</b>	<b>161,653</b>	17.5	
22' 11	14' 8	81.0%	138,511	3,298	524,319	524.32	<b>528.93</b>	306.04	23.96	6.06	<b>3,205.3</b>	<b>161,874</b>	17.5	
23' 0	14' 7	81.1%	138,697	3,302	525,026	525.03	<b>529.64</b>	306.04	23.98	6.08	<b>3,220.2</b>	<b>162,091</b>	17.5	
23' 1	14' 6	81.2%	138,884	3,307	525,733	525.73	<b>530.35</b>	306.04	23.99	6.10	<b>3,235.1</b>	<b>162,308</b>	17.5	
23' 2	14' 5	81.3%	139,071	3,311	526,440	526.44	<b>531.07</b>	306.04	24.01	6.12	<b>3,250.1</b>	<b>162,529</b>	17.5	
23' 3	14' 4	81.4%	139,257	3,316	527,146	527.15	<b>531.78</b>	306.04	24.03	6.15	<b>3,270.4</b>	<b>162,746</b>	17.5	
23' 4	14' 3	81.5%	139,444	3,320	527,853	527.85	<b>532.49</b>	306.04	24.04	6.17	<b>3,285.5</b>	<b>162,963</b>	17.5	
23' 5	14' 2	81.6%	139,631	3,325	528,560	528.56	<b>533.21</b>	306.04	24.06	6.19	<b>3,300.6</b>	<b>163,184</b>	17.5	
23' 6	14' 1	81.7%	139,818	3,329	529,267	529.27	<b>533.92</b>	306.04	24.08	6.22	<b>3,321.0</b>	<b>163,401</b>	17.5	
23' 7	14' 0	81.9%	140,004	3,333	529,974	529.97	<b>534.63</b>	306.04	24.09	6.24	<b>3,336.1</b>	<b>163,618</b>	17.5	
23' 8	13' 11	82.0%	140,191	3,338	530,680	530.68	<b>535.34</b>	306.04	24.11	6.26	<b>3,351.2</b>	<b>163,835</b>	17.5	
23' 9	13' 10	82.1%	140,378	3,342	531,387	531.39	<b>536.06</b>	306.04	24.13	6.29	<b>3,371.8</b>	<b>164,056</b>	17.5	
23' 10	13' 9	82.2%	140,564	3,347	532,094	532.09	<b>536.77</b>	306.04	24.14	6.31	<b>3,387.0</b>	<b>164,273</b>	17.5	
23' 11	13' 8	82.3%	140,751	3,351	532,801	532.80	<b>537.48</b>	306.04	24.16	6.33	<b>3,402.2</b>	<b>164,490</b>	17.5	
24' 0	13' 7	82.4%	140,938	3,356	533,508	533.51	<b>538.20</b>	306.04	24.17	6.36	<b>3,423.0</b>	<b>164,711</b>	17.5	
24' 1	13' 6	82.5%	141,125	3,360	534,215	534.21	<b>538.91</b>	306.04	24.19	6.38	<b>3,438.2</b>	<b>164,928</b>	17.5	
24' 2	13' 5	82.6%	141,311	3,365	534,921	534.92	<b>539.62</b>	306.04	24.21	6.40	<b>3,453.6</b>	<b>165,145</b>	17.5	
24' 3	13' 4	82.7%	141,498	3,369	535,628	535.63	<b>540.34</b>	306.04	24.22	6.43	<b>3,474.4</b>	<b>165,366</b>	17.5	
24' 4	13' 3	82.8%	141,685	3,373	536,335	536.33	<b>541.05</b>	306.04	24.24	6.45	<b>3,489.8</b>	<b>165,583</b>	17.5	
24' 5	13' 2	82.9%	141,871	3,378	537,042	537.04	<b>541.76</b>	306.04	24.26	6.48	<b>3,510.6</b>	<b>165,800</b>	17.5	
24' 6	13' 1	83.1%	142,058	3,382	537,749	537.75	<b>542.47</b>	306.04	24.27	6.50	<b>3,526.1</b>	<b>166,018</b>	17.5	
24' 7	13' 0	83.2%	142,245	3,387	538,456	538.46	<b>543.19</b>	306.04	24.29	6.52	<b>3,541.6</b>	<b>166,238</b>	17.5	
24' 8	12' 11	83.3%	142,432	3,391	539,162	539.16	<b>543.90</b>	306.04	24.30	6.55	<b>3,562.5</b>	<b>166,455</b>	17.5	
24' 9	12' 10	83.4%	142,618	3,396	539,869	539.87	<b>544.61</b>	306.04	24.32	6.57	<b>3,578.1</b>	<b>166,672</b>	17.5	

Tank		Ballast #5 PORT												
Specific Gravity		1.025												
Trim		0												
Capacity		171,045 Gallons												
Label(s)		Ball#5.p												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
24' 10	12' 9	83.5%	142,805	3,400	540,576	540.58	<b>545.33</b>	306.04	24.34	6.60	<b>3,599.2</b>	<b>166,893</b>	17.5	
24' 11	12' 8	83.6%	142,992	3,405	541,283	541.28	<b>546.04</b>	306.04	24.35	6.62	<b>3,614.8</b>	<b>167,110</b>	17.5	
25' 0	12' 7	83.7%	143,179	3,409	541,990	541.99	<b>546.75</b>	306.04	24.37	6.64	<b>3,630.4</b>	<b>167,327</b>	17.5	
25' 1	12' 6	83.8%	143,365	3,413	542,697	542.70	<b>547.47</b>	306.04	24.38	6.67	<b>3,651.6</b>	<b>167,548</b>	17.5	
25' 2	12' 5	83.9%	143,552	3,418	543,403	543.40	<b>548.18</b>	306.04	24.40	6.69	<b>3,667.3</b>	<b>167,765</b>	17.5	
25' 3	12' 4	84.0%	143,739	3,422	544,110	544.11	<b>548.89</b>	306.04	24.42	6.72	<b>3,688.5</b>	<b>167,982</b>	17.5	
25' 4	12' 3	84.1%	143,926	3,427	544,817	544.82	<b>549.61</b>	306.04	24.43	6.74	<b>3,704.4</b>	<b>168,203</b>	17.5	
25' 5	12' 2	84.3%	144,112	3,431	545,524	545.52	<b>550.32</b>	306.04	24.45	6.77	<b>3,725.7</b>	<b>168,420</b>	17.5	
25' 6	12' 1	84.4%	144,299	3,436	546,230	546.23	<b>551.03</b>	306.04	24.46	6.79	<b>3,741.5</b>	<b>168,637</b>	17.5	
25' 7	12' 0	84.5%	144,486	3,440	546,937	546.94	<b>551.74</b>	306.04	24.48	6.81	<b>3,757.3</b>	<b>168,855</b>	17.5	
25' 8	11' 11	84.6%	144,672	3,445	547,644	547.64	<b>552.46</b>	306.04	24.49	6.84	<b>3,778.8</b>	<b>169,075</b>	17.5	
25' 9	11' 10	84.7%	144,859	3,449	548,351	548.35	<b>553.17</b>	306.04	24.51	6.86	<b>3,794.7</b>	<b>169,292</b>	17.5	
25' 10	11' 9	84.8%	145,046	3,453	549,058	549.06	<b>553.88</b>	306.04	24.52	6.89	<b>3,816.2</b>	<b>169,509</b>	17.5	
25' 11	11' 8	84.9%	145,233	3,458	549,765	549.76	<b>554.60</b>	306.04	24.54	6.91	<b>3,832.3</b>	<b>169,730</b>	17.5	
26' 0	11' 7	85.0%	145,419	3,462	550,472	550.47	<b>555.31</b>	306.04	24.56	6.94	<b>3,853.9</b>	<b>169,947</b>	17.5	
26' 1	11' 6	85.1%	145,606	3,467	551,178	551.18	<b>556.02</b>	306.04	24.57	6.96	<b>3,869.9</b>	<b>170,164</b>	17.5	
26' 2	11' 5	85.2%	145,793	3,471	551,885	551.89	<b>556.74</b>	306.04	24.59	6.99	<b>3,891.6</b>	<b>170,385</b>	17.5	
26' 3	11' 4	85.3%	145,979	3,476	552,592	552.59	<b>557.45</b>	306.04	24.60	7.01	<b>3,907.7</b>	<b>170,602</b>	17.5	
26' 4	11' 3	85.5%	146,166	3,480	553,299	553.30	<b>558.16</b>	306.04	24.62	7.04	<b>3,929.4</b>	<b>170,819</b>	17.5	
26' 5	11' 2	85.6%	146,353	3,485	554,006	554.01	<b>558.87</b>	306.04	24.63	7.06	<b>3,945.6</b>	<b>171,037</b>	17.5	
26' 6	11' 1	85.7%	146,540	3,489	554,712	554.71	<b>559.59</b>	306.04	24.65	7.09	<b>3,967.5</b>	<b>171,257</b>	17.5	
26' 7	11' 0	85.8%	146,726	3,493	555,419	555.42	<b>560.30</b>	306.04	24.66	7.11	<b>3,983.7</b>	<b>171,474</b>	17.5	
26' 8	10' 11	85.9%	146,913	3,498	556,126	556.13	<b>561.01</b>	306.04	24.68	7.14	<b>4,005.6</b>	<b>171,692</b>	17.5	
26' 9	10' 10	86.0%	147,100	3,502	556,833	556.83	<b>561.73</b>	306.04	24.69	7.16	<b>4,022.0</b>	<b>171,912</b>	17.5	
26' 10	10' 9	86.1%	147,286	3,507	557,540	557.54	<b>562.44</b>	306.04	24.71	7.19	<b>4,043.9</b>	<b>172,129</b>	17.5	
26' 11	10' 8	86.2%	147,473	3,511	558,247	558.25	<b>563.15</b>	306.04	24.72	7.21	<b>4,060.3</b>	<b>172,346</b>	17.5	
27' 0	10' 7	86.3%	147,660	3,516	558,954	558.95	<b>563.87</b>	306.04	24.74	7.24	<b>4,082.4</b>	<b>172,567</b>	17.5	
27' 1	10' 6	86.4%	147,847	3,520	559,660	559.66	<b>564.58</b>	306.04	24.75	7.26	<b>4,098.9</b>	<b>172,784</b>	17.5	
27' 2	10' 5	86.5%	148,033	3,525	560,367	560.37	<b>565.29</b>	306.04	24.77	7.29	<b>4,121.0</b>	<b>173,001</b>	17.5	
27' 3	10' 4	86.7%	148,220	3,529	561,074	561.07	<b>566.01</b>	306.04	24.78	7.31	<b>4,137.5</b>	<b>173,222</b>	17.5	
27' 4	10' 3	86.8%	148,407	3,533	561,781	561.78	<b>566.72</b>	306.04	24.80	7.34	<b>4,159.7</b>	<b>173,439</b>	17.5	
27' 5	10' 2	86.9%	148,594	3,538	562,488	562.49	<b>567.43</b>	306.04	24.81	7.36	<b>4,176.3</b>	<b>173,656</b>	17.5	
27' 6	10' 1	87.0%	148,780	3,542	563,194	563.19	<b>568.14</b>	306.04	24.83	7.39	<b>4,198.6</b>	<b>173,874</b>	17.5	

Tank		Ballast #5 PORT												
Specific Gravity		1.025												
Trim		0												
Capacity		171,045 Gallons												
Label(s)		Ball#5.p												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
27' 7	10' 0	87.1%	148,967	3,547	563,901	563.90	<b>568.86</b>	306.04	24.84	7.41	<b>4,215.3</b>	<b>174,094</b>	17.5	
27' 8	9' 11	87.2%	149,154	3,551	564,608	564.61	<b>569.57</b>	306.04	24.85	7.44	<b>4,237.6</b>	<b>174,311</b>	17.5	
27' 9	9' 10	87.3%	149,340	3,556	565,315	565.31	<b>570.28</b>	306.04	24.87	7.46	<b>4,254.3</b>	<b>174,528</b>	17.5	
27' 10	9' 9	87.4%	149,527	3,560	566,022	566.02	<b>571.0</b>	306.04	24.88	7.49	<b>4,276.8</b>	<b>174,749</b>	17.5	
27' 11	9' 8	87.5%	149,714	3,565	566,729	566.73	<b>571.71</b>	306.04	24.90	7.52	<b>4,299.3</b>	<b>174,966</b>	17.5	
28' 0	9' 7	87.6%	149,901	3,569	567,435	567.44	<b>572.42</b>	306.04	24.91	7.54	<b>4,316.0</b>	<b>175,183</b>	17.5	
28' 1	9' 6	87.7%	150,087	3,574	568,142	568.14	<b>573.14</b>	306.04	24.93	7.57	<b>4,338.7</b>	<b>175,404</b>	17.5	
28' 2	9' 5	87.9%	150,274	3,578	568,849	568.85	<b>573.85</b>	306.04	24.94	7.59	<b>4,355.5</b>	<b>175,621</b>	17.5	
28' 3	9' 4	88.0%	150,461	3,582	569,556	569.56	<b>574.56</b>	306.04	24.96	7.62	<b>4,378.1</b>	<b>175,838</b>	17.5	
28' 4	9' 3	88.1%	150,647	3,587	570,262	570.26	<b>575.27</b>	306.04	24.97	7.64	<b>4,395.1</b>	<b>176,056</b>	17.5	
28' 5	9' 2	88.2%	150,834	3,591	570,969	570.97	<b>575.99</b>	306.04	24.98	7.67	<b>4,417.8</b>	<b>176,276</b>	17.5	
28' 6	9' 1	88.3%	151,021	3,596	571,676	571.68	<b>576.70</b>	306.04	25.00	7.70	<b>4,440.6</b>	<b>176,493</b>	17.5	
28' 7	9' 0	88.4%	151,208	3,600	572,383	572.38	<b>577.41</b>	306.04	25.01	7.72	<b>4,457.6</b>	<b>176,711</b>	17.5	
28' 8	8' 11	88.5%	151,394	3,605	573,090	573.09	<b>578.13</b>	306.04	25.03	7.75	<b>4,480.5</b>	<b>176,931</b>	17.5	
28' 9	8' 10	88.6%	151,581	3,609	573,797	573.80	<b>578.84</b>	306.04	25.04	7.77	<b>4,497.6</b>	<b>177,148</b>	17.5	
28' 10	8' 9	88.7%	151,768	3,614	574,503	574.50	<b>579.55</b>	306.04	25.06	7.80	<b>4,520.5</b>	<b>177,365</b>	17.5	
28' 11	8' 8	88.8%	151,955	3,618	575,210	575.21	<b>580.27</b>	306.04	25.07	7.83	<b>4,543.5</b>	<b>177,586</b>	17.5	
29' 0	8' 7	88.9%	152,141	3,622	575,917	575.92	<b>580.98</b>	306.04	25.08	7.85	<b>4,560.7</b>	<b>177,803</b>	17.5	
29' 1	8' 6	89.1%	152,328	3,627	576,624	576.62	<b>581.69</b>	306.04	25.10	7.88	<b>4,583.7</b>	<b>178,020</b>	17.5	
29' 2	8' 5	89.2%	152,515	3,631	577,331	577.33	<b>582.40</b>	306.04	25.11	7.90	<b>4,601.0</b>	<b>178,238</b>	17.5	
29' 3	8' 4	89.3%	152,701	3,636	578,038	578.04	<b>583.12</b>	306.04	25.13	7.93	<b>4,624.1</b>	<b>178,458</b>	17.5	
29' 4	8' 3	89.4%	152,888	3,640	578,745	578.74	<b>583.83</b>	306.04	25.14	7.96	<b>4,647.3</b>	<b>178,675</b>	17.5	
29' 5	8' 2	89.5%	153,075	3,645	579,452	579.45	<b>584.54</b>	306.04	25.15	7.98	<b>4,664.6</b>	<b>178,893</b>	17.5	
29' 6	8' 1	89.6%	153,262	3,649	580,158	580.16	<b>585.26</b>	306.04	25.17	8.01	<b>4,687.9</b>	<b>179,113</b>	17.5	
29' 7	8' 0	89.7%	153,448	3,654	580,865	580.87	<b>585.97</b>	306.04	25.18	8.04	<b>4,711.2</b>	<b>179,330</b>	17.5	
29' 8	7' 11	89.8%	153,635	3,658	581,572	581.57	<b>586.68</b>	306.04	25.20	8.06	<b>4,728.6</b>	<b>179,548</b>	17.5	
29' 9	7' 10	89.9%	153,822	3,662	582,279	582.28	<b>587.40</b>	306.04	25.21	8.09	<b>4,752.1</b>	<b>179,768</b>	17.5	
29' 10	7' 9	90.0%	154,008	3,667	582,985	582.99	<b>588.11</b>	306.04	25.22	8.12	<b>4,775.5</b>	<b>179,985</b>	17.5	
29' 11	7' 8	90.1%	154,195	3,671	583,692	583.69	<b>588.82</b>	306.04	25.24	8.14	<b>4,793.0</b>	<b>180,202</b>	17.5	
30' 0	7' 7	90.3%	154,382	3,676	584,399	584.40	<b>589.54</b>	306.04	25.25	8.17	<b>4,816.5</b>	<b>180,423</b>	17.5	
30' 1	7' 6	90.4%	154,569	3,680	585,106	585.11	<b>590.25</b>	306.04	25.26	8.20	<b>4,840.1</b>	<b>180,640</b>	17.5	
30' 2	7' 5	90.5%	154,755	3,685	585,813	585.81	<b>590.96</b>	306.04	25.28	8.22	<b>4,857.7</b>	<b>180,857</b>	17.5	
30' 3	7' 4	90.6%	154,942	3,689	586,520	586.52	<b>591.67</b>	306.04	25.29	8.25	<b>4,881.3</b>	<b>181,075</b>	17.5	

Tank		Ballast #5 PORT												
Specific Gravity		1.025												
Trim		0												
Capacity		171,045 Gallons												
Label(s)		Ball#5.p												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
30' 4	7' 3	90.7%	155,129	3,694	587,226	587.23	<b>592.39</b>	306.04	25.30	8.28	<b>4,905.0</b>	<b>181,295</b>	17.5	
30' 5	7' 2	90.8%	155,316	3,698	587,934	587.93	<b>593.10</b>	306.04	25.32	8.30	<b>4,922.7</b>	<b>181,512</b>	17.5	
30' 6	7' 1	90.9%	155,502	3,702	588,640	588.64	<b>593.81</b>	306.04	25.33	8.33	<b>4,946.4</b>	<b>181,730</b>	17.5	
30' 7	7' 0	91.0%	155,689	3,707	589,347	589.35	<b>594.53</b>	306.04	25.34	8.36	<b>4,970.3</b>	<b>181,950</b>	17.5	
30' 8	6' 11	91.1%	155,876	3,711	590,054	590.05	<b>595.24</b>	306.04	25.36	8.38	<b>4,988.1</b>	<b>182,167</b>	17.5	
30' 9	6' 10	91.2%	156,063	3,716	590,761	590.76	<b>595.95</b>	306.04	25.37	8.41	<b>5,011.9</b>	<b>182,385</b>	17.5	
30' 10	6' 9	91.3%	156,249	3,720	591,468	591.47	<b>596.67</b>	306.04	25.38	8.44	<b>5,035.9</b>	<b>182,605</b>	17.5	
30' 11	6' 8	91.5%	156,436	3,725	592,174	592.17	<b>597.38</b>	306.04	25.40	8.46	<b>5,053.8</b>	<b>182,822</b>	17.5	
31' 0	6' 7	91.6%	156,623	3,729	592,881	592.88	<b>598.09</b>	306.04	25.41	8.49	<b>5,077.8</b>	<b>183,039</b>	17.5	
31' 1	6' 6	91.7%	156,809	3,734	593,588	593.59	<b>598.80</b>	306.04	25.42	8.52	<b>5,101.8</b>	<b>183,257</b>	17.5	
31' 2	6' 5	91.8%	156,996	3,738	594,295	594.29	<b>599.52</b>	306.04	25.44	8.54	<b>5,119.9</b>	<b>183,477</b>	17.5	
31' 3	6' 4	91.9%	157,183	3,742	595,001	595.0	<b>600.23</b>	306.04	25.45	8.57	<b>5,144.0</b>	<b>183,694</b>	17.5	
31' 4	6' 3	92.0%	157,369	3,747	595,708	595.71	<b>600.94</b>	306.04	25.46	8.60	<b>5,168.1</b>	<b>183,912</b>	17.5	
31' 5	6' 2	92.1%	157,556	3,751	596,415	596.42	<b>601.66</b>	306.04	25.48	8.63	<b>5,192.3</b>	<b>184,132</b>	17.5	
31' 6	6' 1	92.2%	157,743	3,756	597,122	597.12	<b>602.37</b>	306.04	25.49	8.65	<b>5,210.5</b>	<b>184,349</b>	17.5	
31' 7	6' 0	92.3%	157,930	3,760	597,829	597.83	<b>603.08</b>	306.04	25.50	8.68	<b>5,234.7</b>	<b>184,567</b>	17.5	
31' 8	5' 11	92.4%	158,116	3,765	598,536	598.54	<b>603.80</b>	306.04	25.52	8.71	<b>5,259.1</b>	<b>184,787</b>	17.5	
31' 9	5' 10	92.6%	158,303	3,769	599,242	599.24	<b>604.51</b>	306.04	25.53	8.74	<b>5,283.4</b>	<b>185,004</b>	17.5	
31' 10	5' 9	92.7%	158,490	3,774	599,949	599.95	<b>605.22</b>	306.04	25.54	8.76	<b>5,301.7</b>	<b>185,222</b>	17.5	
31' 11	5' 8	92.8%	158,677	3,778	600,656	600.66	<b>605.94</b>	306.04	25.55	8.79	<b>5,326.2</b>	<b>185,442</b>	17.5	
32' 0	5' 7	92.9%	158,863	3,782	601,363	601.36	<b>606.65</b>	306.04	25.57	8.82	<b>5,350.7</b>	<b>185,659</b>	17.5	
32' 1	5' 6	93.0%	159,050	3,787	602,069	602.07	<b>607.36</b>	306.04	25.58	8.84	<b>5,369.1</b>	<b>185,876</b>	17.5	
32' 2	5' 5	93.1%	159,237	3,791	602,776	602.78	<b>608.07</b>	306.04	25.59	8.87	<b>5,393.6</b>	<b>186,094</b>	17.5	
32' 3	5' 4	93.2%	159,423	3,796	603,483	603.48	<b>608.79</b>	306.04	25.61	8.90	<b>5,418.2</b>	<b>186,314</b>	17.5	
32' 4	5' 3	93.3%	159,610	3,800	604,190	604.19	<b>609.50</b>	306.04	25.62	8.93	<b>5,442.8</b>	<b>186,531</b>	17.5	
32' 5	5' 2	93.4%	159,797	3,805	604,897	604.90	<b>610.21</b>	306.04	25.63	8.95	<b>5,461.4</b>	<b>186,749</b>	17.5	
32' 6	5' 1	93.5%	159,984	3,809	605,604	605.60	<b>610.93</b>	306.04	25.64	8.98	<b>5,486.2</b>	<b>186,969</b>	17.5	
32' 7	5' 0	93.6%	160,170	3,814	606,311	606.31	<b>611.64</b>	306.04	25.66	9.01	<b>5,510.9</b>	<b>187,186</b>	17.5	
32' 8	4' 11	93.8%	160,357	3,818	607,017	607.02	<b>612.35</b>	306.04	25.67	9.04	<b>5,535.6</b>	<b>187,404</b>	17.5	
32' 9	4' 10	93.9%	160,544	3,822	607,724	607.72	<b>613.07</b>	306.04	25.68	9.07	<b>5,560.5</b>	<b>187,624</b>	17.5	
32' 10	4' 9	94.0%	160,730	3,827	608,431	608.43	<b>613.78</b>	306.04	25.69	9.09	<b>5,579.3</b>	<b>187,841</b>	17.5	
32' 11	4' 8	94.1%	160,917	3,831	609,137	609.14	<b>614.49</b>	306.04	25.71	9.12	<b>5,604.1</b>	<b>188,059</b>	17.5	
33' 0	4' 7	94.2%	161,104	3,836	609,845	609.84	<b>615.20</b>	306.04	25.72	9.15	<b>5,629.1</b>	<b>188,276</b>	17.5	

Tank		Ballast #5 PORT												
Specific Gravity		1.025												
Trim		0												
Capacity		171,045 Gallons												
Label(s)		Ball#5.p												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
33' 1	4' 6	94.3%	161,291	3,840	610,551	610.55	<b>615.92</b>	306.04	25.73	9.18	<b>5,654.1</b>	<b>188,496</b>	17.5	
33' 2	4' 5	94.4%	161,477	3,845	611,258	611.26	<b>616.63</b>	306.04	25.75	9.20	<b>5,673.0</b>	<b>188,713</b>	17.5	
33' 3	4' 4	94.5%	161,664	3,849	611,965	611.96	<b>617.34</b>	306.04	25.76	9.23	<b>5,698.0</b>	<b>188,931</b>	17.5	
33' 4	4' 3	94.6%	161,851	3,854	612,672	612.67	<b>618.06</b>	306.04	25.77	9.26	<b>5,723.2</b>	<b>189,151</b>	17.5	
33' 5	4' 2	94.7%	162,038	3,858	613,379	613.38	<b>618.77</b>	306.04	25.78	9.29	<b>5,748.4</b>	<b>189,368</b>	17.5	
33' 6	4' 1	94.8%	162,224	3,862	614,085	614.09	<b>619.48</b>	306.04	25.79	9.32	<b>5,773.6</b>	<b>189,586</b>	17.5	
33' 7	4' 0	95.0%	162,411	3,867	614,792	614.79	<b>620.20</b>	306.04	25.81	9.34	<b>5,792.7</b>	<b>189,806</b>	17.5	
33' 8	3' 11	95.1%	162,598	3,871	615,499	615.50	<b>620.91</b>	306.04	25.82	9.37	<b>5,817.9</b>	<b>190,023</b>	17.5	
33' 9	3' 10	95.2%	162,784	3,876	616,206	616.21	<b>621.62</b>	306.04	25.83	9.40	<b>5,843.2</b>	<b>190,241</b>	17.5	
33' 10	3' 9	95.3%	162,971	3,880	616,912	616.91	<b>622.33</b>	306.04	25.84	9.43	<b>5,868.6</b>	<b>190,458</b>	17.5	
33' 11	3' 8	95.4%	163,158	3,885	617,619	617.62	<b>623.05</b>	306.04	25.86	9.46	<b>5,894.1</b>	<b>190,678</b>	17.5	
34' 0	3' 7	95.5%	163,345	3,889	618,326	618.33	<b>623.76</b>	306.04	25.87	9.48	<b>5,913.2</b>	<b>190,896</b>	17.5	
34' 1	3' 6	95.6%	163,531	3,894	619,033	619.03	<b>624.47</b>	306.04	25.88	9.51	<b>5,938.7</b>	<b>191,113</b>	17.5	
34' 2	3' 5	95.7%	163,718	3,898	619,740	619.74	<b>625.19</b>	306.04	25.89	9.54	<b>5,964.3</b>	<b>191,333</b>	17.5	
34' 3	3' 4	95.8%	163,905	3,902	620,447	620.45	<b>625.90</b>	306.04	25.90	9.57	<b>5,989.9</b>	<b>191,550</b>	17.5	
34' 4	3' 3	95.9%	164,091	3,907	621,154	621.15	<b>626.61</b>	306.04	25.92	9.60	<b>6,015.5</b>	<b>191,768</b>	17.5	
34' 5	3' 2	96.0%	164,278	3,911	621,860	621.86	<b>627.33</b>	306.04	25.93	9.63	<b>6,041.2</b>	<b>191,988</b>	17.5	
34' 6	3' 1	96.2%	164,465	3,916	622,567	622.57	<b>628.04</b>	306.04	25.94	9.65	<b>6,060.6</b>	<b>192,205</b>	17.5	
34' 7	3' 0	96.3%	164,652	3,920	623,274	623.27	<b>628.75</b>	306.04	25.95	9.68	<b>6,086.3</b>	<b>192,423</b>	17.5	
34' 8	2' 11	96.4%	164,838	3,925	623,980	623.98	<b>629.46</b>	306.04	25.96	9.71	<b>6,112.1</b>	<b>192,640</b>	17.5	
34' 9	2' 10	96.5%	165,025	3,929	624,687	624.69	<b>630.18</b>	306.04	25.98	9.74	<b>6,138.0</b>	<b>192,860</b>	17.5	
34' 10	2' 9	96.6%	165,212	3,934	625,394	625.39	<b>630.89</b>	306.04	25.99	9.77	<b>6,163.8</b>	<b>193,078</b>	17.5	
34' 11	2' 8	96.7%	165,398	3,938	626,101	626.10	<b>631.60</b>	306.04	26.00	9.80	<b>6,189.7</b>	<b>193,295</b>	17.5	
35' 0	2' 7	96.8%	165,585	3,943	626,808	626.81	<b>632.32</b>	306.04	26.01	9.83	<b>6,215.7</b>	<b>193,515</b>	17.5	
35' 1	2' 6	96.9%	165,772	3,947	627,515	627.51	<b>633.03</b>	306.04	26.02	9.85	<b>6,235.3</b>	<b>193,733</b>	17.5	
35' 2	2' 5	97.0%	165,959	3,951	628,222	628.22	<b>633.74</b>	306.04	26.04	9.88	<b>6,261.4</b>	<b>193,950</b>	17.5	
35' 3	2' 4	97.1%	166,145	3,956	628,928	628.93	<b>634.46</b>	306.04	26.05	9.91	<b>6,287.5</b>	<b>194,170</b>	17.5	
35' 4	2' 3	97.2%	166,332	3,960	629,635	629.64	<b>635.17</b>	306.04	26.06	9.94	<b>6,313.6</b>	<b>194,387</b>	17.5	
35' 5	2' 2	97.4%	166,519	3,965	630,342	630.34	<b>635.88</b>	306.04	26.07	9.97	<b>6,339.7</b>	<b>194,605</b>	17.5	
35' 6	2' 1	97.5%	166,706	3,969	631,049	631.05	<b>636.60</b>	306.04	26.08	10.00	<b>6,366.0</b>	<b>194,825</b>	17.5	
35' 7	2' 0	97.6%	166,892	3,974	631,756	631.76	<b>637.31</b>	306.04	26.09	10.03	<b>6,392.2</b>	<b>195,042</b>	17.5	
35' 8	1' 11	97.7%	167,079	3,978	632,462	632.46	<b>638.02</b>	306.04	26.11	10.05	<b>6,412.1</b>	<b>195,260</b>	17.5	
35' 9	1' 10	97.8%	167,266	3,983	633,169	633.17	<b>638.73</b>	306.04	26.12	10.08	<b>6,438.4</b>	<b>195,477</b>	17.5	

Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
35' 10	1' 9	97.9%	167,452	3,987	633,876	633.88	<b>639.45</b>	306.04	26.13	10.11	<b>6,464.8</b>	<b>195,697</b>	17.5
35' 11	1' 8	98.0%	167,639	3,991	634,583	634.58	<b>640.16</b>	306.04	26.14	10.14	<b>6,491.2</b>	<b>195,915</b>	17.5
36' 0	1' 7	98.1%	167,826	3,996	635,289	635.29	<b>640.87</b>	306.04	26.15	10.17	<b>6,517.6</b>	<b>196,132</b>	17.5
36' 1	1' 6	98.2%	168,013	4,000	635,996	636.0	<b>641.59</b>	306.04	26.16	10.20	<b>6,544.2</b>	<b>196,352</b>	17.5
36' 2	1' 5	98.3%	168,199	4,005	636,703	636.70	<b>642.30</b>	306.04	26.18	10.23	<b>6,570.7</b>	<b>196,569</b>	17.5
36' 3	1' 4	98.4%	168,386	4,009	637,410	637.41	<b>643.01</b>	306.04	26.19	10.26	<b>6,597.3</b>	<b>196,787</b>	17.5
36' 4	1' 3	98.6%	168,573	4,014	638,117	638.12	<b>643.73</b>	306.04	26.20	10.29	<b>6,624.0</b>	<b>197,007</b>	17.5
36' 5	1' 2	98.7%	168,759	4,018	638,823	638.82	<b>644.44</b>	306.04	26.21	10.32	<b>6,650.6</b>	<b>197,224</b>	17.5
36' 6	1' 1	98.8%	168,946	4,023	639,529	639.53	<b>645.15</b>	306.04	26.22	10.34	<b>6,670.9</b>	<b>197,442</b>	17.4
36' 7	1' 0	98.9%	169,132	4,027	640,232	640.23	<b>645.86</b>	306.04	26.23	10.37	<b>6,697.6</b>	<b>197,659</b>	17.2
36' 8	0' 11	99.0%	169,317	4,031	640,933	640.93	<b>646.57</b>	306.04	26.24	10.40	<b>6,724.3</b>	<b>197,876</b>	17.0
36' 9	0' 10	99.1%	169,501	4,036	641,630	641.63	<b>647.27</b>	306.04	26.25	10.43	<b>6,751.0</b>	<b>198,091</b>	16.7
36' 10	0' 9	99.2%	169,684	4,040	642,325	642.32	<b>647.97</b>	306.04	26.27	10.46	<b>6,777.8</b>	<b>198,305</b>	16.5
36' 11	0' 8	99.3%	169,867	4,044	643,016	643.02	<b>648.67</b>	306.04	26.28	10.49	<b>6,804.5</b>	<b>198,519</b>	16.3
37' 0	0' 7	99.4%	170,048	4,049	643,700	643.70	<b>649.36</b>	306.04	26.29	10.52	<b>6,831.3</b>	<b>198,730</b>	15.5
37' 1	0' 6	99.5%	170,225	4,053	644,373	644.37	<b>650.04</b>	306.04	26.30	10.54	<b>6,851.4</b>	<b>198,938</b>	14.8
37' 2	0' 5	99.6%	170,400	4,057	645,035	645.03	<b>650.70</b>	306.04	26.31	10.57	<b>6,877.9</b>	<b>199,140</b>	14.0
37' 3	0' 4	99.7%	170,572	4,061	645,684	645.68	<b>651.36</b>	306.04	26.32	10.60	<b>6,904.4</b>	<b>199,342</b>	13.3
37' 4	0' 3	99.8%	170,740	4,065	646,319	646.32	<b>652.0</b>	306.04	26.33	10.63	<b>6,930.8</b>	<b>199,538</b>	11.8
37' 5	0' 2	99.9%	170,898	4,069	646,919	646.92	<b>652.60</b>	306.04	26.34	10.65	<b>6,950.2</b>	<b>199,722</b>	9.8
37' 6	0' 1	100.0%	171,045	4,072	647,475	647.48	<b>653.17</b>	306.04	26.35	10.67	<b>6,969.3</b>	<b>199,896</b>	4.5



Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
0' 1	37' 6	0	2897	69	10967	11	11	306	20	0	2	3380	7074
0' 2	37' 5	0	4280	102	16202	16	16	306	20	0	3	4996	7167
0' 3	37' 4	0	5669	135	21459	21	22	306	20	0	5	6621	7256
0' 4	37' 3	0	7062	168	26732	27	27	306	20	0	8	8249	7300
0' 5	37' 2	0	8458	201	32016	32	32	306	20	0	10	9880	7342
0' 6	37' 1	0	9856	235	37310	37	38	306	20	0	14	11514	7384
0' 7	37' 0	0	11257	268	42613	43	43	306	20	0	17	13151	7425
0' 8	36' 11	0	12661	301	47926	48	48	306	20	0	21	14791	7465
0' 9	36' 10	0	14066	335	53247	53	54	306	20	0	26	16431	7484
0' 10	36' 9	0	15473	368	58571	59	59	306	20	1	31	18077	7502
0' 11	36' 8	0	16881	402	63900	64	64	306	20	1	37	19720	7519
1' 0	36' 7	0	18289	435	69232	69	70	306	20	1	43	21367	7535
1' 1	36' 6	0	19699	469	74569	75	75	306	20	1	49	23013	7550
1' 2	36' 5	0	21110	503	79909	80	81	306	20	1	56	24663	7564
1' 3	36' 4	0	22521	536	85251	85	86	306	20	1	64	26312	7571
1' 4	36' 3	0	23933	570	90595	91	91	306	20	1	71	27961	7577
1' 5	36' 2	0	25345	603	95940	96	97	306	20	1	79	29611	7583
1' 6	36' 1	0	26757	637	101286	101	102	306	20	1	88	31263	7583
1' 7	36' 0	0	28169	671	106631	107	108	306	20	1	98	32912	7583
1' 8	35' 11	0	29581	704	111977	112	113	306	20	1	107	34561	7583
1' 9	35' 10	0	30994	738	117323	117	118	306	20	1	117	36210	7583
1' 10	35' 9	0	32406	772	122669	123	124	306	20	1	127	37864	7583
1' 11	35' 8	0	33818	805	128015	128	129	306	20	1	138	39513	7583
2' 0	35' 7	0	35230	839	133361	133	135	306	20	1	149	41162	7583
2' 1	35' 6	0	36642	872	138707	139	140	306	20	1	162	42814	7583
2' 2	35' 5	0	38055	906	144053	144	145	306	20	1	174	44464	7583
2' 3	35' 4	0	39467	940	149399	149	151	306	20	1	187	46113	7583
2' 4	35' 3	0	40879	973	154745	155	156	306	20	1	200	47762	7583
2' 5	35' 2	0	42291	1007	160090	160	162	306	20	1	213	49414	7583
2' 6	35' 1	0	43704	1041	165436	165	167	306	20	1	227	51063	7583
2' 7	35' 0	0	45116	1074	170782	171	172	306	20	1	243	52714	7583
2' 8	34' 11	0	46528	1108	176128	176	178	306	20	1	258	54367	7583
2' 9	34' 10	0	47940	1141	181474	181	183	306	20	1	273	56016	7583

Tank		Ballast #5 STBD											
Specific Gravity		1.025											
Trim		0											
Capacity		163,994 Gallons											
Label(s)		Ball#5.s											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
2' 10	34' 9	0	49353	1175	186820	187	188	306	20	2	288	57665	7583
2' 11	34' 8	0	50765	1209	192166	192	194	306	20	2	304	59314	7583
3' 0	34' 7	0	52177	1242	197512	198	199	306	20	2	323	60967	7583
3' 1	34' 6	32.7%	53,589	1,276	202,858	202.86	204.64	305.98	20.17	1.66	339.7	62,616	7,583.3
3' 2	34' 5	33.5%	55,002	1,310	208,203	208.20	210.03	305.98	20.17	1.70	357.1	64,265	7,583.3
3' 3	34' 4	34.4%	56,414	1,343	213,549	213.55	215.43	305.98	20.17	1.74	374.8	65,917	7,583.3
3' 4	34' 3	35.3%	57,826	1,377	218,895	218.90	220.82	305.98	20.17	1.78	393.1	67,567	7,583.3
3' 5	34' 2	36.1%	59,238	1,410	224,241	224.24	226.21	305.98	20.18	1.82	411.7	69,216	7,583.3
3' 6	34' 1	37.0%	60,650	1,444	229,587	229.59	231.60	305.98	20.18	1.87	433.1	70,865	7,583.3
3' 7	34' 0	37.8%	62,063	1,478	234,933	234.93	237.0	305.98	20.18	1.91	452.7	72,517	7,583.3
3' 8	33' 11	38.7%	63,475	1,511	240,279	240.28	242.39	305.98	20.18	1.95	472.7	74,166	7,583.3
3' 9	33' 10	39.6%	64,887	1,545	245,625	245.62	247.78	305.98	20.18	1.99	493.1	75,816	7,583.3
3' 10	33' 9	40.4%	66,299	1,579	250,971	250.97	253.18	305.98	20.18	2.03	514.0	77,468	7,583.3
3' 11	33' 8	41.3%	67,712	1,612	256,317	256.32	258.57	305.98	20.19	2.07	535.2	79,117	7,583.3
4' 0	33' 7	42.2%	69,124	1,646	261,662	261.66	263.96	305.98	20.19	2.12	559.6	80,766	7,583.3
4' 1	33' 6	43.0%	70,536	1,679	267,008	267.01	269.36	305.98	20.19	2.16	581.8	82,419	7,583.3
4' 2	33' 5	43.9%	71,948	1,713	272,354	272.35	274.75	305.98	20.19	2.20	604.5	84,068	7,583.3
4' 3	33' 4	44.7%	73,361	1,747	277,700	277.70	280.14	305.98	20.19	2.24	627.5	85,717	7,583.3
4' 4	33' 3	45.6%	74,773	1,780	283,046	283.05	285.53	305.98	20.19	2.28	651.0	87,366	7,583.3
4' 5	33' 2	46.5%	76,185	1,814	288,392	288.39	290.93	305.99	20.19	2.32	675.0	89,022	7,583.3
4' 6	33' 1	47.3%	77,597	1,848	293,738	293.74	296.32	305.99	20.19	2.37	702.3	90,671	7,583.3
4' 7	33' 0	48.2%	79,010	1,881	299,084	299.08	301.71	305.99	20.19	2.41	727.1	92,320	7,583.3
4' 8	32' 11	49.0%	80,422	1,915	304,430	304.43	307.11	305.99	20.20	2.45	752.4	93,973	7,583.3
4' 9	32' 10	49.9%	81,834	1,948	309,776	309.78	312.50	305.99	20.20	2.49	778.1	95,622	7,583.3
4' 10	32' 9	50.8%	83,246	1,982	315,121	315.12	317.89	305.99	20.20	2.53	804.3	97,271	7,583.3
4' 11	32' 8	51.6%	84,659	2,016	320,467	320.47	323.28	305.99	20.20	2.57	830.8	98,920	7,583.3
5' 0	32' 7	52.5%	86,071	2,049	325,813	325.81	328.68	305.99	20.20	2.62	861.1	100,573	7,583.3
5' 1	32' 6	53.3%	87,483	2,083	331,159	331.16	334.07	305.99	20.20	2.66	888.6	102,222	7,583.3
5' 2	32' 5	54.2%	88,896	2,114	336,166	336.17	339.12	305.99	20.22	2.70	915.6	103,767	5,039.0
5' 3	32' 4	54.8%	89,940	2,141	340,460	340.46	343.45	306.00	20.26	2.73	937.6	105,096	3,192.5
5' 4	32' 3	55.4%	90,885	2,164	344,036	344.04	347.06	306.00	20.33	2.76	957.9	106,200	1,918.3
5' 5	32' 2	55.9%	91,636	2,182	346,882	346.88	349.93	306.02	20.39	2.78	972.8	107,086	1,074.6
5' 6	32' 1	56.2%	92,192	2,195	348,985	348.99	352.05	306.03	20.46	2.80	985.7	107,738	527.9

Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
5' 7	32' 0	56.4%	92,550	2,204	350,339	350.34	<b>353.42</b>	306.04	20.51	2.81	<b>993.1</b>	<b>108,161</b>	250.1
5' 8	31' 11	56.6%	92,772	2,209	351,181	351.18	<b>354.27</b>	306.05	20.54	2.82	<b>999.0</b>	<b>108,424</b>	119.5
5' 9	31' 10	56.7%	92,978	2,214	351,962	351.96	<b>355.06</b>	306.05	20.58	2.82	<b>1,001.3</b>	<b>108,666</b>	52.2
5' 10	31' 9	56.8%	93,175	2,218	352,704	352.70	<b>355.80</b>	306.06	20.61	2.83	<b>1,006.9</b>	<b>108,896</b>	25.3
5' 11	31' 8	56.9%	93,365	2,223	353,425	353.42	<b>356.53</b>	306.06	20.64	2.84	<b>1,012.5</b>	<b>109,120</b>	18.6
6' 0	31' 7	57.0%	93,553	2,227	354,137	354.14	<b>357.25</b>	306.06	20.67	2.84	<b>1,014.6</b>	<b>109,340</b>	18.0
6' 1	31' 6	57.2%	93,741	2,232	354,848	354.85	<b>357.97</b>	306.06	20.71	2.85	<b>1,020.2</b>	<b>109,560</b>	17.9
6' 2	31' 5	57.3%	93,928	2,236	355,557	355.56	<b>358.68</b>	306.06	20.74	2.86	<b>1,025.8</b>	<b>109,778</b>	17.7
6' 3	31' 4	57.4%	94,115	2,241	356,266	356.27	<b>359.40</b>	306.06	20.77	2.86	<b>1,027.9</b>	<b>109,998</b>	17.6
6' 4	31' 3	57.5%	94,302	2,245	356,973	356.97	<b>360.11</b>	306.06	20.80	2.87	<b>1,033.5</b>	<b>110,215</b>	17.6
6' 5	31' 2	57.6%	94,489	2,250	357,680	357.68	<b>360.82</b>	306.06	20.83	2.88	<b>1,039.2</b>	<b>110,433</b>	17.5
6' 6	31' 1	57.7%	94,676	2,254	358,387	358.39	<b>361.54</b>	306.06	20.86	2.89	<b>1,044.9</b>	<b>110,653</b>	17.5
6' 7	31' 0	57.8%	94,863	2,259	359,094	359.09	<b>362.25</b>	306.06	20.89	2.89	<b>1,046.9</b>	<b>110,870</b>	17.5
6' 8	30' 11	58.0%	95,049	2,263	359,801	359.80	<b>362.96</b>	306.06	20.92	2.90	<b>1,052.6</b>	<b>111,088</b>	17.5
6' 9	30' 10	58.1%	95,236	2,268	360,508	360.51	<b>363.68</b>	306.06	20.95	2.91	<b>1,058.3</b>	<b>111,308</b>	17.5
6' 10	30' 9	58.2%	95,423	2,272	361,214	361.21	<b>364.39</b>	306.06	20.98	2.92	<b>1,064.0</b>	<b>111,525</b>	17.5
6' 11	30' 8	58.3%	95,609	2,276	361,921	361.92	<b>365.10</b>	306.06	21.01	2.92	<b>1,066.1</b>	<b>111,743</b>	17.5
7' 0	30' 7	58.4%	95,796	2,281	362,628	362.63	<b>365.82</b>	306.06	21.05	2.93	<b>1,071.9</b>	<b>111,963</b>	17.5
7' 1	30' 6	58.5%	95,983	2,285	363,335	363.33	<b>366.53</b>	306.06	21.08	2.94	<b>1,077.6</b>	<b>112,180</b>	17.5
7' 2	30' 5	58.6%	96,170	2,290	364,042	364.04	<b>367.24</b>	306.06	21.11	2.95	<b>1,083.4</b>	<b>112,397</b>	17.5
7' 3	30' 4	58.8%	96,356	2,294	364,749	364.75	<b>367.95</b>	306.06	21.14	2.96	<b>1,089.1</b>	<b>112,615</b>	17.5
7' 4	30' 3	58.9%	96,543	2,299	365,455	365.46	<b>368.67</b>	306.06	21.16	2.97	<b>1,094.9</b>	<b>112,835</b>	17.5
7' 5	30' 2	59.0%	96,730	2,303	366,162	366.16	<b>369.38</b>	306.06	21.19	2.97	<b>1,097.1</b>	<b>113,052</b>	17.5
7' 6	30' 1	59.1%	96,917	2,308	366,869	366.87	<b>370.09</b>	306.06	21.22	2.98	<b>1,102.9</b>	<b>113,270</b>	17.5
7' 7	30' 0	59.2%	97,103	2,312	367,576	367.58	<b>370.81</b>	306.06	21.25	2.99	<b>1,108.7</b>	<b>113,490</b>	17.5
7' 8	29' 11	59.3%	97,290	2,316	368,283	368.28	<b>371.52</b>	306.06	21.28	3.00	<b>1,114.6</b>	<b>113,707</b>	17.5
7' 9	29' 10	59.4%	97,477	2,321	368,989	368.99	<b>372.23</b>	306.06	21.31	3.01	<b>1,120.4</b>	<b>113,925</b>	17.5
7' 10	29' 9	59.6%	97,663	2,325	369,696	369.70	<b>372.95</b>	306.06	21.34	3.02	<b>1,126.3</b>	<b>114,145</b>	17.5
7' 11	29' 8	59.7%	97,850	2,330	370,403	370.40	<b>373.66</b>	306.06	21.37	3.03	<b>1,132.2</b>	<b>114,362</b>	17.5
8' 0	29' 7	59.8%	98,037	2,334	371,110	371.11	<b>374.37</b>	306.06	21.40	3.04	<b>1,138.1</b>	<b>114,580</b>	17.5
8' 1	29' 6	59.9%	98,224	2,339	371,817	371.82	<b>375.08</b>	306.06	21.43	3.05	<b>1,144.0</b>	<b>114,797</b>	17.5
8' 2	29' 5	60.0%	98,410	2,343	372,523	372.52	<b>375.80</b>	306.06	21.46	3.06	<b>1,149.9</b>	<b>115,017</b>	17.5
8' 3	29' 4	60.1%	98,597	2,348	373,230	373.23	<b>376.51</b>	306.06	21.48	3.07	<b>1,155.9</b>	<b>115,235</b>	17.5

Tank		Ballast #5 STBD												
Specific Gravity		1.025												
Trim		0												
Capacity		163,994 Gallons												
Label(s)		Ball#5.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
8' 4	29' 3	60.2%	98,784	2,352	373,937	373.94	<b>377.22</b>	306.06	21.51	3.08	<b>1,161.8</b>	<b>115,452</b>	17.5	
8' 5	29' 2	60.3%	98,970	2,356	374,644	374.64	<b>377.94</b>	306.06	21.54	3.09	<b>1,167.8</b>	<b>115,672</b>	17.5	
8' 6	29' 1	60.5%	99,157	2,361	375,351	375.35	<b>378.65</b>	306.06	21.57	3.10	<b>1,173.8</b>	<b>115,890</b>	17.5	
8' 7	29' 0	60.6%	99,344	2,365	376,058	376.06	<b>379.36</b>	306.06	21.60	3.11	<b>1,179.8</b>	<b>116,107</b>	17.5	
8' 8	28' 11	60.7%	99,531	2,370	376,764	376.76	<b>380.08</b>	306.06	21.63	3.12	<b>1,185.8</b>	<b>116,327</b>	17.5	
8' 9	28' 10	60.8%	99,717	2,374	377,471	377.47	<b>380.79</b>	306.06	21.65	3.13	<b>1,191.9</b>	<b>116,545</b>	17.5	
8' 10	28' 9	60.9%	99,904	2,379	378,178	378.18	<b>381.50</b>	306.06	21.68	3.14	<b>1,197.9</b>	<b>116,762</b>	17.5	
8' 11	28' 8	61.0%	100,091	2,383	378,885	378.88	<b>382.21</b>	306.06	21.71	3.15	<b>1,204.0</b>	<b>116,979</b>	17.5	
9' 0	28' 7	61.1%	100,278	2,388	379,592	379.59	<b>382.93</b>	306.06	21.74	3.17	<b>1,213.9</b>	<b>117,200</b>	17.5	
9' 1	28' 6	61.3%	100,464	2,392	380,298	380.30	<b>383.64</b>	306.06	21.76	3.18	<b>1,220.0</b>	<b>117,417</b>	17.5	
9' 2	28' 5	61.4%	100,651	2,396	381,005	381.01	<b>384.35</b>	306.05	21.79	3.19	<b>1,226.1</b>	<b>117,630</b>	17.5	
9' 3	28' 4	61.5%	100,838	2,401	381,712	381.71	<b>385.07</b>	306.05	21.82	3.20	<b>1,232.2</b>	<b>117,851</b>	17.5	
9' 4	28' 3	61.6%	101,024	2,405	382,419	382.42	<b>385.78</b>	306.05	21.85	3.21	<b>1,238.4</b>	<b>118,068</b>	17.5	
9' 5	28' 2	61.7%	101,211	2,410	383,126	383.13	<b>386.49</b>	306.05	21.87	3.22	<b>1,244.5</b>	<b>118,285</b>	17.5	
9' 6	28' 1	61.8%	101,398	2,414	383,833	383.83	<b>387.21</b>	306.05	21.90	3.23	<b>1,250.7</b>	<b>118,506</b>	17.5	
9' 7	28' 0	61.9%	101,585	2,419	384,540	384.54	<b>387.92</b>	306.05	21.93	3.25	<b>1,260.7</b>	<b>118,723</b>	17.5	
9' 8	27' 11	62.1%	101,771	2,423	385,246	385.25	<b>388.63</b>	306.05	21.95	3.26	<b>1,266.9</b>	<b>118,940</b>	17.5	
9' 9	27' 10	62.2%	101,958	2,428	385,953	385.95	<b>389.35</b>	306.05	21.98	3.27	<b>1,273.2</b>	<b>119,161</b>	17.5	
9' 10	27' 9	62.3%	102,145	2,432	386,660	386.66	<b>390.06</b>	306.05	22.01	3.28	<b>1,279.4</b>	<b>119,378</b>	17.5	
9' 11	27' 8	62.4%	102,332	2,436	387,367	387.37	<b>390.77</b>	306.05	22.03	3.29	<b>1,285.6</b>	<b>119,595</b>	17.5	
10' 0	27' 7	62.5%	102,518	2,441	388,074	388.07	<b>391.48</b>	306.05	22.06	3.31	<b>1,295.8</b>	<b>119,812</b>	17.5	
10' 1	27' 6	62.6%	102,705	2,445	388,780	388.78	<b>392.20</b>	306.05	22.09	3.32	<b>1,302.1</b>	<b>120,033</b>	17.5	
10' 2	27' 5	62.7%	102,892	2,450	389,487	389.49	<b>392.91</b>	306.05	22.11	3.33	<b>1,308.4</b>	<b>120,250</b>	17.5	
10' 3	27' 4	62.9%	103,078	2,454	390,194	390.19	<b>393.62</b>	306.05	22.14	3.35	<b>1,318.6</b>	<b>120,467</b>	17.5	
10' 4	27' 3	63.0%	103,265	2,459	390,901	390.90	<b>394.34</b>	306.05	22.16	3.36	<b>1,325.0</b>	<b>120,688</b>	17.5	
10' 5	27' 2	63.1%	103,452	2,463	391,608	391.61	<b>395.05</b>	306.05	22.19	3.37	<b>1,331.3</b>	<b>120,905</b>	17.5	
10' 6	27' 1	63.2%	103,639	2,468	392,314	392.31	<b>395.76</b>	306.05	22.22	3.38	<b>1,337.7</b>	<b>121,122</b>	17.5	
10' 7	27' 0	63.3%	103,825	2,472	393,021	393.02	<b>396.48</b>	306.05	22.24	3.40	<b>1,348.0</b>	<b>121,343</b>	17.5	
10' 8	26' 11	63.4%	104,012	2,476	393,728	393.73	<b>397.19</b>	306.05	22.27	3.41	<b>1,354.4</b>	<b>121,560</b>	17.5	
10' 9	26' 10	63.5%	104,199	2,481	394,435	394.43	<b>397.90</b>	306.05	22.29	3.42	<b>1,360.8</b>	<b>121,777</b>	17.5	
10' 10	26' 9	63.7%	104,385	2,485	395,142	395.14	<b>398.61</b>	306.05	22.32	3.44	<b>1,371.2</b>	<b>121,995</b>	17.5	
10' 11	26' 8	63.8%	104,572	2,490	395,848	395.85	<b>399.33</b>	306.05	22.34	3.45	<b>1,377.7</b>	<b>122,215</b>	17.5	
11' 0	26' 7	63.9%	104,759	2,494	396,555	396.56	<b>400.04</b>	306.05	22.37	3.46	<b>1,384.1</b>	<b>122,432</b>	17.5	

Tank		Ballast #5 STBD												
Specific Gravity		1.025												
Trim		0												
Capacity		163,994 Gallons												
Label(s)		Ball#5.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
11' 1	26' 6	64.0%	104,946	2,499	397,262	397.26	400.75	306.05	22.39	3.48	1,394.6	122,650	17.5	
11' 2	26' 5	64.1%	105,132	2,503	397,969	397.97	401.47	306.05	22.42	3.49	1,401.1	122,870	17.5	
11' 3	26' 4	64.2%	105,319	2,508	398,676	398.68	402.18	306.05	22.44	3.51	1,411.7	123,087	17.5	
11' 4	26' 3	64.3%	105,506	2,512	399,383	399.38	402.89	306.05	22.47	3.52	1,418.2	123,304	17.5	
11' 5	26' 2	64.4%	105,692	2,516	400,089	400.09	403.61	306.05	22.49	3.53	1,424.7	123,525	17.5	
11' 6	26' 1	64.6%	105,879	2,521	400,796	400.80	404.32	306.05	22.52	3.55	1,435.3	123,742	17.5	
11' 7	26' 0	64.7%	106,066	2,525	401,503	401.50	405.03	306.05	22.54	3.56	1,441.9	123,959	17.5	
11' 8	25' 11	64.8%	106,253	2,530	402,210	402.21	405.74	306.05	22.57	3.58	1,452.5	124,177	17.5	
11' 9	25' 10	64.9%	106,439	2,534	402,917	402.92	406.46	306.05	22.59	3.59	1,459.2	124,397	17.5	
11' 10	25' 9	65.0%	106,626	2,539	403,623	403.62	407.17	306.05	22.62	3.61	1,469.9	124,614	17.5	
11' 11	25' 8	65.1%	106,813	2,543	404,330	404.33	407.88	306.05	22.64	3.62	1,476.5	124,832	17.5	
12' 0	25' 7	65.2%	106,999	2,548	405,037	405.04	408.60	306.05	22.67	3.64	1,487.3	125,052	17.5	
12' 1	25' 6	65.4%	107,186	2,552	405,744	405.74	409.31	306.05	22.69	3.65	1,494.0	125,269	17.5	
12' 2	25' 5	65.5%	107,373	2,556	406,451	406.45	410.02	306.05	22.71	3.67	1,504.8	125,487	17.5	
12' 3	25' 4	65.6%	107,560	2,561	407,157	407.16	410.74	306.05	22.74	3.68	1,511.5	125,707	17.5	
12' 4	25' 3	65.7%	107,746	2,565	407,864	407.86	411.45	306.05	22.76	3.70	1,522.4	125,924	17.5	
12' 5	25' 2	65.8%	107,933	2,570	408,571	408.57	412.16	306.05	22.79	3.71	1,529.1	126,142	17.5	
12' 6	25' 1	65.9%	108,120	2,574	409,278	409.28	412.88	306.05	22.81	3.73	1,540.0	126,362	17.5	
12' 7	25' 0	66.0%	108,307	2,579	409,985	409.98	413.59	306.05	22.83	3.74	1,546.8	126,579	17.5	
12' 8	24' 11	66.2%	108,493	2,583	410,691	410.69	414.30	306.05	22.86	3.76	1,557.8	126,797	17.5	
12' 9	24' 10	66.3%	108,680	2,588	411,399	411.40	415.01	306.05	22.88	3.77	1,564.6	127,014	17.5	
12' 10	24' 9	66.4%	108,867	2,592	412,105	412.11	415.73	306.05	22.90	3.79	1,575.6	127,234	17.5	
12' 11	24' 8	66.5%	109,053	2,597	412,812	412.81	416.44	306.05	22.93	3.81	1,586.6	127,451	17.5	
13' 0	24' 7	66.6%	109,240	2,601	413,519	413.52	417.15	306.05	22.95	3.82	1,593.5	127,669	17.5	
13' 1	24' 6	66.7%	109,427	2,605	414,225	414.23	417.87	306.05	22.97	3.84	1,604.6	127,889	17.5	
13' 2	24' 5	66.8%	109,614	2,610	414,933	414.93	418.58	306.05	23.00	3.85	1,611.5	128,106	17.5	
13' 3	24' 4	67.0%	109,800	2,614	415,639	415.64	419.29	306.05	23.02	3.87	1,622.7	128,324	17.5	
13' 4	24' 3	67.1%	109,987	2,619	416,346	416.35	420.01	306.05	23.04	3.89	1,633.8	128,544	17.5	
13' 5	24' 2	67.2%	110,174	2,623	417,053	417.05	420.72	306.05	23.06	3.90	1,640.8	128,761	17.5	
13' 6	24' 1	67.3%	110,361	2,628	417,760	417.76	421.43	306.05	23.09	3.92	1,652.0	128,979	17.5	
13' 7	24' 0	67.4%	110,547	2,632	418,467	418.47	422.14	306.05	23.11	3.93	1,659.0	129,196	17.5	
13' 8	23' 11	67.5%	110,734	2,637	419,173	419.17	422.86	306.05	23.13	3.95	1,670.3	129,416	17.5	
13' 9	23' 10	67.6%	110,921	2,641	419,880	419.88	423.57	306.05	23.16	3.97	1,681.6	129,634	17.5	

Tank		Ballast #5 STBD												
Specific Gravity		1.025												
Trim		0												
Capacity		163,994 Gallons												
Label(s)		Ball#5.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
13' 10	23' 9	67.8%	111,107	2,645	420,587	420.59	<b>424.28</b>	306.05	23.18	3.98	<b>1,688.6</b>	<b>129,851</b>	17.5	
13' 11	23' 8	67.9%	111,294	2,650	421,294	421.29	<b>425.0</b>	306.05	23.20	4.00	<b>1,700.0</b>	<b>130,071</b>	17.5	
14' 0	23' 7	68.0%	111,481	2,654	422,001	422.0	<b>425.71</b>	306.05	23.22	4.02	<b>1,711.4</b>	<b>130,289</b>	17.5	
14' 1	23' 6	68.1%	111,668	2,659	422,707	422.71	<b>426.42</b>	306.05	23.24	4.04	<b>1,722.7</b>	<b>130,506</b>	17.5	
14' 2	23' 5	68.2%	111,854	2,663	423,414	423.41	<b>427.14</b>	306.05	23.27	4.05	<b>1,729.9</b>	<b>130,726</b>	17.5	
14' 3	23' 4	68.3%	112,041	2,668	424,121	424.12	<b>427.85</b>	306.05	23.29	4.07	<b>1,741.3</b>	<b>130,943</b>	17.5	
14' 4	23' 3	68.4%	112,228	2,672	424,828	424.83	<b>428.56</b>	306.05	23.31	4.09	<b>1,752.8</b>	<b>131,161</b>	17.5	
14' 5	23' 2	68.5%	112,414	2,677	425,535	425.53	<b>429.27</b>	306.05	23.33	4.10	<b>1,760.0</b>	<b>131,378</b>	17.5	
14' 6	23' 1	68.7%	112,601	2,681	426,242	426.24	<b>429.99</b>	306.05	23.35	4.12	<b>1,771.6</b>	<b>131,598</b>	17.5	
14' 7	23' 0	68.8%	112,788	2,685	426,948	426.95	<b>430.70</b>	306.05	23.38	4.14	<b>1,783.1</b>	<b>131,816</b>	17.5	
14' 8	22' 11	68.9%	112,975	2,690	427,655	427.66	<b>431.41</b>	306.05	23.40	4.16	<b>1,794.7</b>	<b>132,033</b>	17.5	
14' 9	22' 10	69.0%	113,161	2,694	428,362	428.36	<b>432.13</b>	306.05	23.42	4.17	<b>1,802.0</b>	<b>132,253</b>	17.5	
14' 10	22' 9	69.1%	113,348	2,699	429,069	429.07	<b>432.84</b>	306.05	23.44	4.19	<b>1,813.6</b>	<b>132,471</b>	17.5	
14' 11	22' 8	69.2%	113,535	2,703	429,776	429.78	<b>433.55</b>	306.05	23.46	4.21	<b>1,825.2</b>	<b>132,688</b>	17.5	
15' 0	22' 7	69.3%	113,721	2,708	430,482	430.48	<b>434.27</b>	306.05	23.48	4.23	<b>1,837.0</b>	<b>132,908</b>	17.5	
15' 1	22' 6	69.5%	113,908	2,712	431,189	431.19	<b>434.98</b>	306.05	23.51	4.25	<b>1,848.7</b>	<b>133,126</b>	17.5	
15' 2	22' 5	69.6%	114,095	2,717	431,896	431.90	<b>435.69</b>	306.05	23.53	4.26	<b>1,856.0</b>	<b>133,343</b>	17.5	
15' 3	22' 4	69.7%	114,282	2,721	432,603	432.60	<b>436.40</b>	306.05	23.55	4.28	<b>1,867.8</b>	<b>133,560</b>	17.5	
15' 4	22' 3	69.8%	114,468	2,725	433,310	433.31	<b>437.12</b>	306.05	23.57	4.30	<b>1,879.6</b>	<b>133,781</b>	17.5	
15' 5	22' 2	69.9%	114,655	2,730	434,016	434.02	<b>437.83</b>	306.05	23.59	4.32	<b>1,891.4</b>	<b>133,998</b>	17.5	
15' 6	22' 1	70.0%	114,842	2,734	434,723	434.72	<b>438.54</b>	306.05	23.61	4.34	<b>1,903.3</b>	<b>134,215</b>	17.5	
15' 7	22' 0	70.1%	115,029	2,739	435,430	435.43	<b>439.26</b>	306.05	23.63	4.36	<b>1,915.2</b>	<b>134,436</b>	17.5	
15' 8	21' 11	70.3%	115,215	2,743	436,137	436.14	<b>439.97</b>	306.05	23.65	4.37	<b>1,922.7</b>	<b>134,653</b>	17.5	
15' 9	21' 10	70.4%	115,402	2,748	436,844	436.84	<b>440.68</b>	306.05	23.67	4.39	<b>1,934.6</b>	<b>134,870</b>	17.5	
15' 10	21' 9	70.5%	115,589	2,752	437,550	437.55	<b>441.40</b>	306.05	23.69	4.41	<b>1,946.6</b>	<b>135,090</b>	17.5	
15' 11	21' 8	70.6%	115,775	2,757	438,257	438.26	<b>442.11</b>	306.05	23.72	4.43	<b>1,958.5</b>	<b>135,308</b>	17.5	
16' 0	21' 7	70.7%	115,962	2,761	438,964	438.96	<b>442.82</b>	306.05	23.74	4.45	<b>1,970.5</b>	<b>135,525</b>	17.5	
16' 1	21' 6	70.8%	116,149	2,765	439,671	439.67	<b>443.54</b>	306.05	23.76	4.47	<b>1,982.6</b>	<b>135,745</b>	17.5	
16' 2	21' 5	70.9%	116,336	2,770	440,378	440.38	<b>444.25</b>	306.05	23.78	4.49	<b>1,994.7</b>	<b>135,963</b>	17.5	
16' 3	21' 4	71.1%	116,522	2,774	441,085	441.08	<b>444.96</b>	306.05	23.80	4.51	<b>2,006.8</b>	<b>136,180</b>	17.5	
16' 4	21' 3	71.2%	116,709	2,779	441,791	441.79	<b>445.67</b>	306.05	23.82	4.53	<b>2,018.9</b>	<b>136,397</b>	17.5	
16' 5	21' 2	71.3%	116,896	2,783	442,498	442.50	<b>446.39</b>	306.05	23.84	4.54	<b>2,026.6</b>	<b>136,618</b>	17.5	
16' 6	21' 1	71.4%	117,082	2,788	443,205	443.21	<b>447.10</b>	306.05	23.86	4.56	<b>2,038.8</b>	<b>136,835</b>	17.5	

Tank		Ballast #5 STBD												
Specific Gravity		1.025												
Trim		0												
Capacity		163,994 Gallons												
Label(s)		Ball#5.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
16' 7	21' 0	71.5%	117,269	2,792	443,912	443.91	<b>447.81</b>	306.05	23.88	4.58	<b>2,051.0</b>	<b>137,052</b>	17.5	
16' 8	20' 11	71.6%	117,456	2,797	444,619	444.62	<b>448.53</b>	306.05	23.90	4.60	<b>2,063.2</b>	<b>137,273</b>	17.5	
16' 9	20' 10	71.7%	117,643	2,801	445,326	445.33	<b>449.24</b>	306.05	23.92	4.62	<b>2,075.5</b>	<b>137,490</b>	17.5	
16' 10	20' 9	71.8%	117,829	2,805	446,032	446.03	<b>449.95</b>	306.05	23.94	4.64	<b>2,087.8</b>	<b>137,707</b>	17.5	
16' 11	20' 8	72.0%	118,016	2,810	446,739	446.74	<b>450.67</b>	306.05	23.96	4.66	<b>2,100.1</b>	<b>137,928</b>	17.5	
17' 0	20' 7	72.1%	118,203	2,814	447,446	447.45	<b>451.38</b>	306.05	23.98	4.68	<b>2,112.5</b>	<b>138,145</b>	17.5	
17' 1	20' 6	72.2%	118,390	2,819	448,153	448.15	<b>452.09</b>	306.05	24.00	4.70	<b>2,124.8</b>	<b>138,362</b>	17.5	
17' 2	20' 5	72.3%	118,576	2,823	448,860	448.86	<b>452.80</b>	306.05	24.02	4.72	<b>2,137.2</b>	<b>138,579</b>	17.5	
17' 3	20' 4	72.4%	118,763	2,828	449,566	449.57	<b>453.52</b>	306.05	24.04	4.74	<b>2,149.7</b>	<b>138,800</b>	17.5	
17' 4	20' 3	72.5%	118,950	2,832	450,273	450.27	<b>454.23</b>	306.05	24.06	4.76	<b>2,162.1</b>	<b>139,017</b>	17.5	
17' 5	20' 2	72.6%	119,136	2,837	450,980	450.98	<b>454.94</b>	306.05	24.08	4.78	<b>2,174.6</b>	<b>139,234</b>	17.5	
17' 6	20' 1	72.8%	119,323	2,841	451,687	451.69	<b>455.66</b>	306.05	24.10	4.80	<b>2,187.2</b>	<b>139,455</b>	17.5	
17' 7	20' 0	72.9%	119,510	2,845	452,394	452.39	<b>456.37</b>	306.05	24.12	4.82	<b>2,199.7</b>	<b>139,672</b>	17.5	
17' 8	19' 11	73.0%	119,697	2,850	453,101	453.10	<b>457.08</b>	306.05	24.14	4.84	<b>2,212.3</b>	<b>139,889</b>	17.5	
17' 9	19' 10	73.1%	119,883	2,854	453,807	453.81	<b>457.80</b>	306.05	24.15	4.86	<b>2,224.9</b>	<b>140,110</b>	17.5	
17' 10	19' 9	73.2%	120,070	2,859	454,514	454.51	<b>458.51</b>	306.05	24.17	4.88	<b>2,237.5</b>	<b>140,327</b>	17.5	
17' 11	19' 8	73.3%	120,257	2,863	455,221	455.22	<b>459.22</b>	306.05	24.19	4.90	<b>2,250.2</b>	<b>140,544</b>	17.5	
18' 0	19' 7	73.4%	120,443	2,868	455,928	455.93	<b>459.94</b>	306.05	24.21	4.92	<b>2,262.9</b>	<b>140,765</b>	17.5	
18' 1	19' 6	73.6%	120,630	2,872	456,635	456.63	<b>460.65</b>	306.05	24.23	4.94	<b>2,275.6</b>	<b>140,982</b>	17.5	
18' 2	19' 5	73.7%	120,817	2,877	457,342	457.34	<b>461.36</b>	306.05	24.25	4.96	<b>2,288.3</b>	<b>141,199</b>	17.5	
18' 3	19' 4	73.8%	121,004	2,881	458,048	458.05	<b>462.07</b>	306.05	24.27	4.98	<b>2,301.1</b>	<b>141,417</b>	17.5	
18' 4	19' 3	73.9%	121,190	2,885	458,755	458.76	<b>462.79</b>	306.05	24.29	5.00	<b>2,314.0</b>	<b>141,637</b>	17.5	
18' 5	19' 2	74.0%	121,377	2,890	459,462	459.46	<b>463.50</b>	306.05	24.31	5.03	<b>2,331.4</b>	<b>141,854</b>	17.5	
18' 6	19' 1	74.1%	121,564	2,894	460,169	460.17	<b>464.21</b>	306.05	24.33	5.05	<b>2,344.3</b>	<b>142,071</b>	17.5	
18' 7	19' 0	74.2%	121,751	2,899	460,876	460.88	<b>464.93</b>	306.05	24.34	5.07	<b>2,357.2</b>	<b>142,292</b>	17.5	
18' 8	18' 11	74.4%	121,937	2,903	461,583	461.58	<b>465.64</b>	306.05	24.36	5.09	<b>2,370.1</b>	<b>142,509</b>	17.5	
18' 9	18' 10	74.5%	122,124	2,908	462,289	462.29	<b>466.35</b>	306.05	24.38	5.11	<b>2,383.0</b>	<b>142,726</b>	17.5	
18' 10	18' 9	74.6%	122,311	2,912	462,996	463.00	<b>467.07</b>	306.05	24.40	5.13	<b>2,396.1</b>	<b>142,947</b>	17.5	
18' 11	18' 8	74.7%	122,497	2,917	463,703	463.70	<b>467.78</b>	306.05	24.42	5.15	<b>2,409.1</b>	<b>143,164</b>	17.5	
19' 0	18' 7	74.8%	122,684	2,921	464,410	464.41	<b>468.49</b>	306.05	24.44	5.17	<b>2,422.1</b>	<b>143,381</b>	17.5	
19' 1	18' 6	74.9%	122,871	2,925	465,117	465.12	<b>469.20</b>	306.05	24.46	5.19	<b>2,435.1</b>	<b>143,599</b>	17.5	
19' 2	18' 5	75.0%	123,058	2,930	465,823	465.82	<b>469.92</b>	306.04	24.47	5.22	<b>2,453.0</b>	<b>143,814</b>	17.5	
19' 3	18' 4	75.2%	123,244	2,934	466,530	466.53	<b>470.63</b>	306.04	24.49	5.24	<b>2,466.1</b>	<b>144,032</b>	17.5	

Tank		Ballast #5 STBD												
Specific Gravity		1.025												
Trim		0												
Capacity		163,994 Gallons												
Label(s)		Ball#5.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
19' 4	18' 3	75.3%	123,431	2,939	467,237	467.24	<b>471.34</b>	306.04	24.51	5.26	<b>2,479.2</b>	<b>144,249</b>	17.5	
19' 5	18' 2	75.4%	123,618	2,943	467,944	467.94	<b>472.06</b>	306.04	24.53	5.28	<b>2,492.5</b>	<b>144,469</b>	17.5	
19' 6	18' 1	75.5%	123,804	2,948	468,651	468.65	<b>472.77</b>	306.04	24.55	5.30	<b>2,505.7</b>	<b>144,687</b>	17.5	
19' 7	18' 0	75.6%	123,991	2,952	469,358	469.36	<b>473.48</b>	306.04	24.56	5.32	<b>2,518.9</b>	<b>144,904</b>	17.5	
19' 8	17' 11	75.7%	124,178	2,957	470,064	470.06	<b>474.20</b>	306.04	24.58	5.35	<b>2,537.0</b>	<b>145,124</b>	17.5	
19' 9	17' 10	75.8%	124,365	2,961	470,771	470.77	<b>474.91</b>	306.04	24.60	5.37	<b>2,550.3</b>	<b>145,341</b>	17.5	
19' 10	17' 9	75.9%	124,551	2,966	471,478	471.48	<b>475.62</b>	306.04	24.62	5.39	<b>2,563.6</b>	<b>145,559</b>	17.5	
19' 11	17' 8	76.1%	124,738	2,970	472,185	472.19	<b>476.33</b>	306.04	24.64	5.41	<b>2,576.9</b>	<b>145,776</b>	17.5	
20' 0	17' 7	76.2%	124,925	2,974	472,892	472.89	<b>477.05</b>	306.04	24.65	5.43	<b>2,590.4</b>	<b>145,996</b>	17.5	
20' 1	17' 6	76.3%	125,112	2,979	473,599	473.60	<b>477.76</b>	306.04	24.67	5.45	<b>2,603.8</b>	<b>146,214</b>	17.5	
20' 2	17' 5	76.4%	125,298	2,983	474,305	474.31	<b>478.47</b>	306.04	24.69	5.48	<b>2,622.0</b>	<b>146,431</b>	17.5	
20' 3	17' 4	76.5%	125,485	2,988	475,012	475.01	<b>479.19</b>	306.04	24.71	5.50	<b>2,635.5</b>	<b>146,651</b>	17.5	
20' 4	17' 3	76.6%	125,672	2,992	475,719	475.72	<b>479.90</b>	306.04	24.72	5.52	<b>2,649.0</b>	<b>146,869</b>	17.5	
20' 5	17' 2	76.7%	125,858	2,997	476,426	476.43	<b>480.61</b>	306.04	24.74	5.54	<b>2,662.6</b>	<b>147,086</b>	17.5	
20' 6	17' 1	76.9%	126,045	3,001	477,133	477.13	<b>481.33</b>	306.04	24.76	5.57	<b>2,681.0</b>	<b>147,306</b>	17.5	
20' 7	17' 0	77.0%	126,232	3,006	477,840	477.84	<b>482.04</b>	306.04	24.78	5.59	<b>2,694.6</b>	<b>147,524</b>	17.5	
20' 8	16' 11	77.1%	126,419	3,010	478,546	478.55	<b>482.75</b>	306.04	24.79	5.61	<b>2,708.2</b>	<b>147,741</b>	17.5	
20' 9	16' 10	77.2%	126,605	3,014	479,253	479.25	<b>483.47</b>	306.04	24.81	5.63	<b>2,721.9</b>	<b>147,961</b>	17.5	
20' 10	16' 9	77.3%	126,792	3,019	479,960	479.96	<b>484.18</b>	306.04	24.83	5.66	<b>2,740.5</b>	<b>148,178</b>	17.5	
20' 11	16' 8	77.4%	126,979	3,023	480,667	480.67	<b>484.89</b>	306.04	24.85	5.68	<b>2,754.2</b>	<b>148,396</b>	17.5	
21' 0	16' 7	77.5%	127,165	3,028	481,373	481.37	<b>485.60</b>	306.04	24.86	5.70	<b>2,767.9</b>	<b>148,613</b>	17.5	
21' 1	16' 6	77.7%	127,352	3,032	482,081	482.08	<b>486.32</b>	306.04	24.88	5.72	<b>2,781.8</b>	<b>148,833</b>	17.5	
21' 2	16' 5	77.8%	127,539	3,037	482,787	482.79	<b>487.03</b>	306.04	24.90	5.75	<b>2,800.4</b>	<b>149,051</b>	17.5	
21' 3	16' 4	77.9%	127,726	3,041	483,494	483.49	<b>487.74</b>	306.04	24.91	5.77	<b>2,814.3</b>	<b>149,268</b>	17.5	
21' 4	16' 3	78.0%	127,912	3,046	484,201	484.20	<b>488.46</b>	306.04	24.93	5.79	<b>2,828.2</b>	<b>149,488</b>	17.5	
21' 5	16' 2	78.1%	128,099	3,050	484,907	484.91	<b>489.17</b>	306.04	24.95	5.81	<b>2,842.1</b>	<b>149,706</b>	17.5	
21' 6	16' 1	78.2%	128,286	3,054	485,615	485.61	<b>489.88</b>	306.04	24.96	5.84	<b>2,860.9</b>	<b>149,923</b>	17.5	
21' 7	16' 0	78.3%	128,473	3,059	486,321	486.32	<b>490.60</b>	306.04	24.98	5.86	<b>2,874.9</b>	<b>150,143</b>	17.5	
21' 8	15' 11	78.5%	128,659	3,063	487,028	487.03	<b>491.31</b>	306.04	25.00	5.88	<b>2,888.9</b>	<b>150,361</b>	17.5	
21' 9	15' 10	78.6%	128,846	3,068	487,735	487.73	<b>492.02</b>	306.04	25.01	5.91	<b>2,907.8</b>	<b>150,578</b>	17.5	
21' 10	15' 9	78.7%	129,033	3,072	488,442	488.44	<b>492.73</b>	306.04	25.03	5.93	<b>2,921.9</b>	<b>150,795</b>	17.5	
21' 11	15' 8	78.8%	129,219	3,077	489,149	489.15	<b>493.45</b>	306.04	25.05	5.95	<b>2,936.0</b>	<b>151,015</b>	17.5	
22' 0	15' 7	78.9%	129,406	3,081	489,855	489.86	<b>494.16</b>	306.04	25.06	5.98	<b>2,955.1</b>	<b>151,233</b>	17.5	



Tank		Ballast #5 STBD												
Specific Gravity		1.025												
Trim		0												
Capacity		163,994 Gallons												
Label(s)		Ball#5.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
22' 1	15' 6	79.0%	129,593	3,086	490,562	490.56	<b>494.87</b>	306.04	25.08	6.00	<b>2,969.2</b>	<b>151,450</b>	17.5	
22' 2	15' 5	79.1%	129,780	3,090	491,269	491.27	<b>495.59</b>	306.04	25.10	6.02	<b>2,983.5</b>	<b>151,670</b>	17.5	
22' 3	15' 4	79.3%	129,966	3,094	491,976	491.98	<b>496.30</b>	306.04	25.11	6.05	<b>3,002.6</b>	<b>151,888</b>	17.5	
22' 4	15' 3	79.4%	130,153	3,099	492,683	492.68	<b>497.01</b>	306.04	25.13	6.07	<b>3,016.9</b>	<b>152,105</b>	17.5	
22' 5	15' 2	79.5%	130,340	3,103	493,390	493.39	<b>497.73</b>	306.04	25.15	6.09	<b>3,031.2</b>	<b>152,325</b>	17.5	
22' 6	15' 1	79.6%	130,527	3,108	494,097	494.10	<b>498.44</b>	306.04	25.16	6.12	<b>3,050.5</b>	<b>152,543</b>	17.5	
22' 7	15' 0	79.7%	130,713	3,112	494,803	494.80	<b>499.15</b>	306.04	25.18	6.14	<b>3,064.8</b>	<b>152,760</b>	17.5	
22' 8	14' 11	79.8%	130,900	3,117	495,510	495.51	<b>499.87</b>	306.04	25.20	6.17	<b>3,084.2</b>	<b>152,980</b>	17.5	
22' 9	14' 10	79.9%	131,087	3,121	496,217	496.22	<b>500.58</b>	306.04	25.21	6.19	<b>3,098.6</b>	<b>153,198</b>	17.5	
22' 10	14' 9	80.0%	131,273	3,126	496,923	496.92	<b>501.29</b>	306.04	25.23	6.21	<b>3,113.0</b>	<b>153,415</b>	17.5	
22' 11	14' 8	80.2%	131,460	3,130	497,631	497.63	<b>502.0</b>	306.04	25.24	6.24	<b>3,132.5</b>	<b>153,632</b>	17.5	
23' 0	14' 7	80.3%	131,647	3,134	498,337	498.34	<b>502.72</b>	306.04	25.26	6.26	<b>3,147.0</b>	<b>153,852</b>	17.5	
23' 1	14' 6	80.4%	131,834	3,139	499,044	499.04	<b>503.43</b>	306.04	25.28	6.28	<b>3,161.5</b>	<b>154,070</b>	17.5	
23' 2	14' 5	80.5%	132,020	3,143	499,751	499.75	<b>504.14</b>	306.04	25.29	6.31	<b>3,181.1</b>	<b>154,287</b>	17.5	
23' 3	14' 4	80.6%	132,207	3,148	500,458	500.46	<b>504.86</b>	306.04	25.31	6.33	<b>3,195.8</b>	<b>154,507</b>	17.5	
23' 4	14' 3	80.7%	132,394	3,152	501,165	501.16	<b>505.57</b>	306.04	25.32	6.36	<b>3,215.4</b>	<b>154,725</b>	17.5	
23' 5	14' 2	80.8%	132,580	3,157	501,871	501.87	<b>506.28</b>	306.04	25.34	6.38	<b>3,230.1</b>	<b>154,942</b>	17.5	
23' 6	14' 1	81.0%	132,767	3,161	502,578	502.58	<b>507.0</b>	306.04	25.35	6.41	<b>3,249.9</b>	<b>155,162</b>	17.5	
23' 7	14' 0	81.1%	132,954	3,166	503,285	503.28	<b>507.71</b>	306.04	25.37	6.43	<b>3,264.6</b>	<b>155,380</b>	17.5	
23' 8	13' 11	81.2%	133,141	3,170	503,992	503.99	<b>508.42</b>	306.04	25.39	6.45	<b>3,279.3</b>	<b>155,597</b>	17.5	
23' 9	13' 10	81.3%	133,327	3,174	504,699	504.70	<b>509.13</b>	306.04	25.40	6.48	<b>3,299.2</b>	<b>155,814</b>	17.5	
23' 10	13' 9	81.4%	133,514	3,179	505,405	505.41	<b>509.85</b>	306.04	25.42	6.50	<b>3,314.0</b>	<b>156,034</b>	17.5	
23' 11	13' 8	81.5%	133,701	3,183	506,112	506.11	<b>510.56</b>	306.04	25.43	6.53	<b>3,334.0</b>	<b>156,252</b>	17.5	
24' 0	13' 7	81.6%	133,888	3,188	506,819	506.82	<b>511.27</b>	306.04	25.45	6.55	<b>3,348.8</b>	<b>156,469</b>	17.5	
24' 1	13' 6	81.8%	134,074	3,192	507,526	507.53	<b>511.99</b>	306.04	25.46	6.58	<b>3,368.9</b>	<b>156,689</b>	17.5	
24' 2	13' 5	81.9%	134,261	3,197	508,233	508.23	<b>512.70</b>	306.04	25.48	6.60	<b>3,383.8</b>	<b>156,907</b>	17.5	
24' 3	13' 4	82.0%	134,448	3,201	508,940	508.94	<b>513.41</b>	306.04	25.49	6.63	<b>3,403.9</b>	<b>157,124</b>	17.5	
24' 4	13' 3	82.1%	134,634	3,206	509,646	509.65	<b>514.13</b>	306.04	25.51	6.65	<b>3,419.0</b>	<b>157,344</b>	17.5	
24' 5	13' 2	82.2%	134,821	3,210	510,353	510.35	<b>514.84</b>	306.04	25.52	6.68	<b>3,439.1</b>	<b>157,562</b>	17.5	
24' 6	13' 1	82.3%	135,008	3,214	511,060	511.06	<b>515.55</b>	306.04	25.54	6.70	<b>3,454.2</b>	<b>157,779</b>	17.5	
24' 7	13' 0	82.4%	135,195	3,219	511,767	511.77	<b>516.26</b>	306.04	25.55	6.73	<b>3,474.4</b>	<b>157,996</b>	17.5	
24' 8	12' 11	82.6%	135,381	3,223	512,474	512.47	<b>516.98</b>	306.04	25.57	6.75	<b>3,489.6</b>	<b>158,217</b>	17.5	
24' 9	12' 10	82.7%	135,568	3,228	513,181	513.18	<b>517.69</b>	306.04	25.59	6.77	<b>3,504.8</b>	<b>158,434</b>	17.5	

Tank		Ballast #5 STBD												
Specific Gravity		1.025												
Trim		0												
Capacity		163,994 Gallons												
Label(s)		Ball#5.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
24' 10	12' 9	82.8%	135,755	3,232	513,887	513.89	<b>518.40</b>	306.04	25.60	6.80	<b>3,525.1</b>	<b>158,651</b>	17.5	
24' 11	12' 8	82.9%	135,941	3,237	514,594	514.59	<b>519.12</b>	306.04	25.62	6.82	<b>3,540.4</b>	<b>158,871</b>	17.5	
25' 0	12' 7	83.0%	136,128	3,241	515,301	515.30	<b>519.83</b>	306.04	25.63	6.85	<b>3,560.8</b>	<b>159,089</b>	17.5	
25' 1	12' 6	83.1%	136,315	3,246	516,008	516.01	<b>520.54</b>	306.04	25.64	6.88	<b>3,581.3</b>	<b>159,306</b>	17.5	
25' 2	12' 5	83.2%	136,502	3,250	516,715	516.71	<b>521.26</b>	306.04	25.66	6.90	<b>3,596.7</b>	<b>159,526</b>	17.5	
25' 3	12' 4	83.3%	136,688	3,254	517,422	517.42	<b>521.97</b>	306.04	25.67	6.93	<b>3,617.3</b>	<b>159,744</b>	17.5	
25' 4	12' 3	83.5%	136,875	3,259	518,128	518.13	<b>522.68</b>	306.04	25.69	6.95	<b>3,632.6</b>	<b>159,961</b>	17.5	
25' 5	12' 2	83.6%	137,062	3,263	518,835	518.84	<b>523.40</b>	306.04	25.70	6.98	<b>3,653.3</b>	<b>160,181</b>	17.5	
25' 6	12' 1	83.7%	137,249	3,268	519,542	519.54	<b>524.11</b>	306.04	25.72	7.00	<b>3,668.8</b>	<b>160,399</b>	17.5	
25' 7	12' 0	83.8%	137,435	3,272	520,249	520.25	<b>524.82</b>	306.04	25.73	7.03	<b>3,689.5</b>	<b>160,616</b>	17.5	
25' 8	11' 11	83.9%	137,622	3,277	520,956	520.96	<b>525.53</b>	306.04	25.75	7.05	<b>3,705.0</b>	<b>160,833</b>	17.5	
25' 9	11' 10	84.0%	137,809	3,281	521,662	521.66	<b>526.25</b>	306.04	25.76	7.08	<b>3,725.9</b>	<b>161,054</b>	17.5	
25' 10	11' 9	84.1%	137,995	3,286	522,369	522.37	<b>526.96</b>	306.04	25.78	7.10	<b>3,741.4</b>	<b>161,271</b>	17.5	
25' 11	11' 8	84.3%	138,182	3,290	523,076	523.08	<b>527.67</b>	306.04	25.79	7.13	<b>3,762.3</b>	<b>161,488</b>	17.5	
26' 0	11' 7	84.4%	138,369	3,294	523,783	523.78	<b>528.39</b>	306.04	25.81	7.15	<b>3,778.0</b>	<b>161,708</b>	17.5	
26' 1	11' 6	84.5%	138,556	3,299	524,490	524.49	<b>529.10</b>	306.04	25.82	7.18	<b>3,798.9</b>	<b>161,926</b>	17.5	
26' 2	11' 5	84.6%	138,742	3,303	525,197	525.20	<b>529.81</b>	306.04	25.84	7.21	<b>3,819.9</b>	<b>162,143</b>	17.5	
26' 3	11' 4	84.7%	138,929	3,308	525,903	525.90	<b>530.53</b>	306.04	25.85	7.23	<b>3,835.7</b>	<b>162,363</b>	17.5	
26' 4	11' 3	84.8%	139,116	3,312	526,610	526.61	<b>531.24</b>	306.04	25.86	7.26	<b>3,856.8</b>	<b>162,581</b>	17.5	
26' 5	11' 2	84.9%	139,302	3,317	527,317	527.32	<b>531.95</b>	306.04	25.88	7.28	<b>3,872.6</b>	<b>162,798</b>	17.5	
26' 6	11' 1	85.1%	139,489	3,321	528,024	528.02	<b>532.66</b>	306.04	25.89	7.31	<b>3,893.7</b>	<b>163,015</b>	17.5	
26' 7	11' 0	85.2%	139,676	3,326	528,731	528.73	<b>533.38</b>	306.04	25.91	7.34	<b>3,915.0</b>	<b>163,236</b>	17.5	
26' 8	10' 11	85.3%	139,863	3,330	529,438	529.44	<b>534.09</b>	306.04	25.92	7.36	<b>3,930.9</b>	<b>163,453</b>	17.5	
26' 9	10' 10	85.4%	140,049	3,335	530,144	530.14	<b>534.80</b>	306.04	25.93	7.39	<b>3,952.2</b>	<b>163,670</b>	17.5	
26' 10	10' 9	85.5%	140,236	3,339	530,851	530.85	<b>535.52</b>	306.04	25.95	7.41	<b>3,968.2</b>	<b>163,891</b>	17.5	
26' 11	10' 8	85.6%	140,423	3,343	531,558	531.56	<b>536.23</b>	306.04	25.96	7.44	<b>3,989.6</b>	<b>164,108</b>	17.5	
27' 0	10' 7	85.7%	140,610	3,348	532,265	532.26	<b>536.94</b>	306.04	25.98	7.47	<b>4,010.9</b>	<b>164,325</b>	17.5	
27' 1	10' 6	85.9%	140,796	3,352	532,972	532.97	<b>537.66</b>	306.04	25.99	7.49	<b>4,027.1</b>	<b>164,545</b>	17.5	
27' 2	10' 5	86.0%	140,983	3,357	533,678	533.68	<b>538.37</b>	306.04	26.01	7.52	<b>4,048.5</b>	<b>164,763</b>	17.5	
27' 3	10' 4	86.1%	141,170	3,361	534,385	534.39	<b>539.08</b>	306.04	26.02	7.54	<b>4,064.7</b>	<b>164,980</b>	17.5	
27' 4	10' 3	86.2%	141,356	3,366	535,092	535.09	<b>539.80</b>	306.04	26.03	7.57	<b>4,086.3</b>	<b>165,200</b>	17.5	
27' 5	10' 2	86.3%	141,543	3,370	535,799	535.80	<b>540.51</b>	306.04	26.05	7.60	<b>4,107.9</b>	<b>165,418</b>	17.5	
27' 6	10' 1	86.4%	141,730	3,375	536,506	536.51	<b>541.22</b>	306.04	26.06	7.62	<b>4,124.1</b>	<b>165,635</b>	17.5	

Tank		Ballast #5 STBD												
Specific Gravity		1.025												
Trim		0												
Capacity		163,994 Gallons												
Label(s)		Ball#5.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
27' 7	10' 0	86.5%	141,917	3,379	537,213	537.21	541.93	306.04	26.07	7.65	4,145.8	165,852	17.5	
27' 8	9' 11	86.7%	142,103	3,383	537,920	537.92	542.65	306.04	26.09	7.68	4,167.6	166,073	17.5	
27' 9	9' 10	86.8%	142,290	3,388	538,626	538.63	543.36	306.04	26.10	7.70	4,183.9	166,290	17.5	
27' 10	9' 9	86.9%	142,477	3,392	539,333	539.33	544.07	306.04	26.12	7.73	4,205.7	166,507	17.5	
27' 11	9' 8	87.0%	142,663	3,397	540,040	540.04	544.79	306.04	26.13	7.76	4,227.6	166,728	17.5	
28' 0	9' 7	87.1%	142,850	3,401	540,747	540.75	545.50	306.04	26.14	7.78	4,244.0	166,945	17.5	
28' 1	9' 6	87.2%	143,037	3,406	541,454	541.45	546.21	306.04	26.16	7.81	4,265.9	167,162	17.5	
28' 2	9' 5	87.3%	143,224	3,410	542,160	542.16	546.93	306.04	26.17	7.84	4,287.9	167,382	17.5	
28' 3	9' 4	87.4%	143,410	3,415	542,867	542.87	547.64	306.04	26.18	7.86	4,304.5	167,600	17.5	
28' 4	9' 3	87.6%	143,597	3,419	543,574	543.57	548.35	306.04	26.20	7.89	4,326.5	167,817	17.5	
28' 5	9' 2	87.7%	143,784	3,423	544,281	544.28	549.06	306.04	26.21	7.92	4,348.6	168,034	17.5	
28' 6	9' 1	87.8%	143,971	3,428	544,988	544.99	549.78	306.04	26.22	7.94	4,365.3	168,255	17.5	
28' 7	9' 0	87.9%	144,157	3,432	545,694	545.69	550.49	306.04	26.24	7.97	4,387.4	168,472	17.5	
28' 8	8' 11	88.0%	144,344	3,437	546,401	546.40	551.20	306.04	26.25	8.00	4,409.6	168,689	17.5	
28' 9	8' 10	88.1%	144,531	3,441	547,108	547.11	551.92	306.04	26.26	8.02	4,426.4	168,910	17.5	
28' 10	8' 9	88.2%	144,717	3,446	547,815	547.81	552.63	306.04	26.28	8.05	4,448.7	169,127	17.5	
28' 11	8' 8	88.4%	144,904	3,450	548,522	548.52	553.34	306.04	26.29	8.08	4,471.0	169,344	17.5	
29' 0	8' 7	88.5%	145,091	3,455	549,228	549.23	554.06	306.04	26.30	8.10	4,487.9	169,565	17.5	
29' 1	8' 6	88.6%	145,278	3,459	549,936	549.94	554.77	306.04	26.32	8.13	4,510.3	169,782	17.5	
29' 2	8' 5	88.7%	145,464	3,463	550,642	550.64	555.48	306.04	26.33	8.16	4,532.7	169,999	17.5	
29' 3	8' 4	88.8%	145,651	3,468	551,349	551.35	556.20	306.04	26.34	8.19	4,555.3	170,219	17.5	
29' 4	8' 3	88.9%	145,838	3,472	552,056	552.06	556.91	306.04	26.36	8.21	4,572.2	170,437	17.5	
29' 5	8' 2	89.0%	146,024	3,477	552,762	552.76	557.62	306.04	26.37	8.24	4,594.8	170,654	17.5	
29' 6	8' 1	89.2%	146,211	3,481	553,470	553.47	558.33	306.04	26.38	8.27	4,617.4	170,871	17.5	
29' 7	8' 0	89.3%	146,398	3,486	554,176	554.18	559.05	306.04	26.39	8.29	4,634.5	171,092	17.5	
29' 8	7' 11	89.4%	146,585	3,490	554,883	554.88	559.76	306.04	26.41	8.32	4,657.2	171,309	17.5	
29' 9	7' 10	89.5%	146,771	3,495	555,590	555.59	560.47	306.04	26.42	8.35	4,679.9	171,526	17.5	
29' 10	7' 9	89.6%	146,958	3,499	556,297	556.30	561.19	306.04	26.43	8.38	4,702.8	171,747	17.5	
29' 11	7' 8	89.7%	147,145	3,503	557,004	557.0	561.90	306.04	26.45	8.40	4,720.0	171,964	17.5	
30' 0	7' 7	89.8%	147,332	3,508	557,710	557.71	562.61	306.04	26.46	8.43	4,742.8	172,181	17.5	
30' 1	7' 6	90.0%	147,518	3,512	558,417	558.42	563.33	306.04	26.47	8.46	4,765.8	172,402	17.5	
30' 2	7' 5	90.1%	147,705	3,517	559,124	559.12	564.04	306.04	26.48	8.49	4,788.7	172,619	17.5	
30' 3	7' 4	90.2%	147,892	3,521	559,831	559.83	564.75	306.04	26.50	8.51	4,806.0	172,836	17.5	

Tank		Ballast #5 STBD												
Specific Gravity		1.025												
Trim		0												
Capacity		163,994 Gallons												
Label(s)		Ball#5.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
30' 4	7' 3	90.3%	148,078	3,526	560,538	560.54	<b>565.46</b>	306.04	26.51	8.54	<b>4,829.0</b>	<b>173,053</b>	17.5	
30' 5	7' 2	90.4%	148,265	3,530	561,244	561.24	<b>566.18</b>	306.04	26.52	8.57	<b>4,852.2</b>	<b>173,274</b>	17.5	
30' 6	7' 1	90.5%	148,452	3,535	561,952	561.95	<b>566.89</b>	306.04	26.53	8.60	<b>4,875.3</b>	<b>173,491</b>	17.5	
30' 7	7' 0	90.6%	148,639	3,539	562,658	562.66	<b>567.60</b>	306.04	26.55	8.63	<b>4,898.4</b>	<b>173,708</b>	17.5	
30' 8	6' 11	90.8%	148,825	3,543	563,365	563.37	<b>568.32</b>	306.04	26.56	8.65	<b>4,916.0</b>	<b>173,929</b>	17.5	
30' 9	6' 10	90.9%	149,012	3,548	564,072	564.07	<b>569.03</b>	306.04	26.57	8.68	<b>4,939.2</b>	<b>174,146</b>	17.5	
30' 10	6' 9	91.0%	149,199	3,552	564,779	564.78	<b>569.74</b>	306.04	26.58	8.71	<b>4,962.4</b>	<b>174,363</b>	17.5	
30' 11	6' 8	91.1%	149,386	3,557	565,486	565.49	<b>570.46</b>	306.04	26.60	8.74	<b>4,985.8</b>	<b>174,584</b>	17.5	
31' 0	6' 7	91.2%	149,572	3,561	566,192	566.19	<b>571.17</b>	306.04	26.61	8.77	<b>5,009.2</b>	<b>174,801</b>	17.5	
31' 1	6' 6	91.3%	149,759	3,566	566,899	566.90	<b>571.88</b>	306.04	26.62	8.79	<b>5,026.8</b>	<b>175,018</b>	17.5	
31' 2	6' 5	91.4%	149,946	3,570	567,606	567.61	<b>572.59</b>	306.04	26.63	8.82	<b>5,050.2</b>	<b>175,235</b>	17.5	
31' 3	6' 4	91.5%	150,132	3,575	568,313	568.31	<b>573.31</b>	306.04	26.65	8.85	<b>5,073.8</b>	<b>175,456</b>	17.5	
31' 4	6' 3	91.7%	150,319	3,579	569,020	569.02	<b>574.02</b>	306.04	26.66	8.88	<b>5,097.3</b>	<b>175,673</b>	17.5	
31' 5	6' 2	91.8%	150,506	3,583	569,727	569.73	<b>574.73</b>	306.04	26.67	8.91	<b>5,120.8</b>	<b>175,890</b>	17.5	
31' 6	6' 1	91.9%	150,693	3,588	570,433	570.43	<b>575.45</b>	306.04	26.68	8.93	<b>5,138.8</b>	<b>176,111</b>	17.5	
31' 7	6' 0	92.0%	150,879	3,592	571,140	571.14	<b>576.16</b>	306.04	26.69	8.96	<b>5,162.4</b>	<b>176,328</b>	17.5	
31' 8	5' 11	92.1%	151,066	3,597	571,847	571.85	<b>576.87</b>	306.04	26.71	8.99	<b>5,186.1</b>	<b>176,545</b>	17.5	
31' 9	5' 10	92.2%	151,253	3,601	572,554	572.55	<b>577.59</b>	306.04	26.72	9.02	<b>5,209.9</b>	<b>176,766</b>	17.5	
31' 10	5' 9	92.3%	151,439	3,606	573,260	573.26	<b>578.30</b>	306.04	26.73	9.05	<b>5,233.6</b>	<b>176,983</b>	17.5	
31' 11	5' 8	92.5%	151,626	3,610	573,968	573.97	<b>579.01</b>	306.04	26.74	9.07	<b>5,251.6</b>	<b>177,200</b>	17.5	
32' 0	5' 7	92.6%	151,813	3,615	574,674	574.67	<b>579.72</b>	306.04	26.76	9.10	<b>5,275.5</b>	<b>177,418</b>	17.5	
32' 1	5' 6	92.7%	152,000	3,619	575,381	575.38	<b>580.44</b>	306.04	26.77	9.13	<b>5,299.4</b>	<b>177,638</b>	17.5	
32' 2	5' 5	92.8%	152,186	3,623	576,088	576.09	<b>581.15</b>	306.04	26.78	9.16	<b>5,323.3</b>	<b>177,855</b>	17.5	
32' 3	5' 4	92.9%	152,373	3,628	576,795	576.79	<b>581.86</b>	306.04	26.79	9.19	<b>5,347.3</b>	<b>178,072</b>	17.5	
32' 4	5' 3	93.0%	152,560	3,632	577,501	577.50	<b>582.58</b>	306.04	26.80	9.22	<b>5,371.4</b>	<b>178,293</b>	17.5	
32' 5	5' 2	93.1%	152,746	3,637	578,208	578.21	<b>583.29</b>	306.04	26.81	9.25	<b>5,395.4</b>	<b>178,510</b>	17.5	
32' 6	5' 1	93.3%	152,933	3,641	578,915	578.92	<b>584.0</b>	306.04	26.83	9.27	<b>5,413.7</b>	<b>178,727</b>	17.5	
32' 7	5' 0	93.4%	153,120	3,646	579,622	579.62	<b>584.72</b>	306.04	26.84	9.30	<b>5,437.9</b>	<b>178,948</b>	17.5	
32' 8	4' 11	93.5%	153,307	3,650	580,329	580.33	<b>585.43</b>	306.04	26.85	9.33	<b>5,462.1</b>	<b>179,165</b>	17.5	
32' 9	4' 10	93.6%	153,493	3,655	581,036	581.04	<b>586.14</b>	306.04	26.86	9.36	<b>5,486.3</b>	<b>179,382</b>	17.5	
32' 10	4' 9	93.7%	153,680	3,659	581,742	581.74	<b>586.86</b>	306.04	26.87	9.39	<b>5,510.6</b>	<b>179,603</b>	17.5	
32' 11	4' 8	93.8%	153,867	3,663	582,449	582.45	<b>587.57</b>	306.04	26.89	9.42	<b>5,534.9</b>	<b>179,820</b>	17.5	
33' 0	4' 7	93.9%	154,054	3,668	583,156	583.16	<b>588.28</b>	306.04	26.90	9.45	<b>5,559.2</b>	<b>180,037</b>	17.5	

Tank		Ballast #5 STBD												
Specific Gravity		1.025												
Trim		0												
Capacity		163,994 Gallons												
Label(s)		Ball#5.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
33' 1	4' 6	94.1%	154,240	3,672	583,863	583.86	<b>588.99</b>	306.04	26.91	9.47	<b>5,577.7</b>	<b>180,254</b>	17.5	
33' 2	4' 5	94.2%	154,427	3,677	584,569	584.57	<b>589.71</b>	306.04	26.92	9.50	<b>5,602.2</b>	<b>180,475</b>	17.5	
33' 3	4' 4	94.3%	154,614	3,681	585,277	585.28	<b>590.42</b>	306.04	26.93	9.53	<b>5,626.7</b>	<b>180,692</b>	17.5	
33' 4	4' 3	94.4%	154,800	3,686	585,983	585.98	<b>591.13</b>	306.04	26.94	9.56	<b>5,651.2</b>	<b>180,909</b>	17.5	
33' 5	4' 2	94.5%	154,987	3,690	586,690	586.69	<b>591.85</b>	306.04	26.96	9.59	<b>5,675.8</b>	<b>181,130</b>	17.5	
33' 6	4' 1	94.6%	155,174	3,695	587,397	587.40	<b>592.56</b>	306.04	26.97	9.62	<b>5,700.4</b>	<b>181,347</b>	17.5	
33' 7	4' 0	94.7%	155,361	3,699	588,104	588.10	<b>593.27</b>	306.04	26.98	9.65	<b>5,725.1</b>	<b>181,564</b>	17.5	
33' 8	3' 11	94.8%	155,547	3,704	588,810	588.81	<b>593.99</b>	306.04	26.99	9.68	<b>5,749.8</b>	<b>181,785</b>	17.5	
33' 9	3' 10	95.0%	155,734	3,708	589,517	589.52	<b>594.70</b>	306.04	27.00	9.71	<b>5,774.5</b>	<b>182,002</b>	17.5	
33' 10	3' 9	95.1%	155,921	3,712	590,224	590.22	<b>595.41</b>	306.04	27.01	9.73	<b>5,793.3</b>	<b>182,219</b>	17.5	
33' 11	3' 8	95.2%	156,107	3,717	590,931	590.93	<b>596.12</b>	306.04	27.02	9.76	<b>5,818.1</b>	<b>182,437</b>	17.5	
34' 0	3' 7	95.3%	156,294	3,721	591,638	591.64	<b>596.84</b>	306.04	27.04	9.79	<b>5,843.1</b>	<b>182,657</b>	17.5	
34' 1	3' 6	95.4%	156,481	3,726	592,344	592.34	<b>597.55</b>	306.04	27.05	9.82	<b>5,867.9</b>	<b>182,874</b>	17.5	
34' 2	3' 5	95.5%	156,668	3,730	593,051	593.05	<b>598.26</b>	306.04	27.06	9.85	<b>5,892.9</b>	<b>183,091</b>	17.5	
34' 3	3' 4	95.6%	156,854	3,735	593,758	593.76	<b>598.98</b>	306.04	27.07	9.88	<b>5,917.9</b>	<b>183,312</b>	17.5	
34' 4	3' 3	95.8%	157,041	3,739	594,465	594.46	<b>599.69</b>	306.04	27.08	9.91	<b>5,942.9</b>	<b>183,529</b>	17.5	
34' 5	3' 2	95.9%	157,228	3,744	595,172	595.17	<b>600.40</b>	306.04	27.09	9.94	<b>5,968.0</b>	<b>183,746</b>	17.5	
34' 6	3' 1	96.0%	157,414	3,748	595,878	595.88	<b>601.12</b>	306.04	27.10	9.97	<b>5,993.2</b>	<b>183,967</b>	17.5	
34' 7	3' 0	96.1%	157,601	3,752	596,585	596.59	<b>601.83</b>	306.04	27.11	10.00	<b>6,018.3</b>	<b>184,184</b>	17.5	
34' 8	2' 11	96.2%	157,788	3,757	597,292	597.29	<b>602.54</b>	306.04	27.12	10.03	<b>6,043.5</b>	<b>184,401</b>	17.5	
34' 9	2' 10	96.3%	157,975	3,761	597,999	598.0	<b>603.25</b>	306.03	27.14	10.06	<b>6,068.7</b>	<b>184,613</b>	17.5	
34' 10	2' 9	96.4%	158,161	3,766	598,706	598.71	<b>603.97</b>	306.03	27.15	10.09	<b>6,094.1</b>	<b>184,833</b>	17.5	
34' 11	2' 8	96.6%	158,348	3,770	599,412	599.41	<b>604.68</b>	306.03	27.16	10.11	<b>6,113.3</b>	<b>185,050</b>	17.5	
35' 0	2' 7	96.7%	158,535	3,775	600,119	600.12	<b>605.39</b>	306.03	27.17	10.14	<b>6,138.7</b>	<b>185,268</b>	17.5	
35' 1	2' 6	96.8%	158,721	3,779	600,826	600.83	<b>606.11</b>	306.03	27.18	10.17	<b>6,164.1</b>	<b>185,488</b>	17.5	
35' 2	2' 5	96.9%	158,908	3,784	601,533	601.53	<b>606.82</b>	306.03	27.19	10.20	<b>6,189.6</b>	<b>185,705</b>	17.5	
35' 3	2' 4	97.0%	159,095	3,788	602,240	602.24	<b>607.53</b>	306.03	27.20	10.23	<b>6,215.0</b>	<b>185,922</b>	17.5	
35' 4	2' 3	97.1%	159,282	3,792	602,946	602.95	<b>608.25</b>	306.03	27.21	10.26	<b>6,240.6</b>	<b>186,143</b>	17.5	
35' 5	2' 2	97.2%	159,468	3,797	603,654	603.65	<b>608.96</b>	306.03	27.22	10.29	<b>6,266.2</b>	<b>186,360</b>	17.5	
35' 6	2' 1	97.4%	159,655	3,801	604,360	604.36	<b>609.67</b>	306.03	27.23	10.32	<b>6,291.8</b>	<b>186,577</b>	17.5	
35' 7	2' 0	97.5%	159,842	3,806	605,067	605.07	<b>610.38</b>	306.03	27.25	10.35	<b>6,317.4</b>	<b>186,795</b>	17.5	
35' 8	1' 11	97.6%	160,029	3,810	605,774	605.77	<b>611.10</b>	306.03	27.26	10.38	<b>6,343.2</b>	<b>187,015</b>	17.5	
35' 9	1' 10	97.7%	160,215	3,815	606,481	606.48	<b>611.81</b>	306.03	27.27	10.41	<b>6,368.9</b>	<b>187,232</b>	17.5	

Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
35' 10	1' 9	97.8%	160,402	3,819	607,187	607.19	<b>612.52</b>	306.03	27.28	10.44	<b>6,394.7</b>	<b>187,449</b>	17.5
35' 11	1' 8	97.9%	160,589	3,824	607,894	607.89	<b>613.24</b>	306.03	27.29	10.47	<b>6,420.6</b>	<b>187,670</b>	17.5
36' 0	1' 7	98.0%	160,775	3,828	608,601	608.60	<b>613.95</b>	306.03	27.30	10.50	<b>6,446.5</b>	<b>187,887</b>	17.5
36' 1	1' 6	98.2%	160,962	3,832	609,308	609.31	<b>614.66</b>	306.03	27.31	10.53	<b>6,472.4</b>	<b>188,104</b>	17.5
36' 2	1' 5	98.3%	161,149	3,837	610,015	610.01	<b>615.38</b>	306.03	27.32	10.56	<b>6,498.4</b>	<b>188,325</b>	17.5
36' 3	1' 4	98.4%	161,336	3,841	610,721	610.72	<b>616.09</b>	306.03	27.33	10.59	<b>6,524.4</b>	<b>188,542</b>	17.5
36' 4	1' 3	98.5%	161,522	3,846	611,428	611.43	<b>616.80</b>	306.03	27.34	10.62	<b>6,550.4</b>	<b>188,759</b>	17.5
36' 5	1' 2	98.6%	161,709	3,850	612,135	612.14	<b>617.52</b>	306.03	27.35	10.65	<b>6,576.6</b>	<b>188,980</b>	17.5
36' 6	1' 1	98.7%	161,895	3,855	612,841	612.84	<b>618.23</b>	306.03	27.36	10.68	<b>6,602.7</b>	<b>189,197</b>	17.4
36' 7	1' 0	98.8%	162,081	3,859	613,544	613.54	<b>618.94</b>	306.03	27.37	10.71	<b>6,628.8</b>	<b>189,414</b>	17.2
36' 8	0' 11	98.9%	162,266	3,863	614,244	614.24	<b>619.64</b>	306.03	27.38	10.74	<b>6,654.9</b>	<b>189,628</b>	17.0
36' 9	0' 10	99.1%	162,450	3,868	614,942	614.94	<b>620.35</b>	306.03	27.39	10.77	<b>6,681.2</b>	<b>189,846</b>	16.7
36' 10	0' 9	99.2%	162,634	3,872	615,636	615.64	<b>621.05</b>	306.03	27.40	10.80	<b>6,707.3</b>	<b>190,060</b>	16.5
36' 11	0' 8	99.3%	162,816	3,877	616,327	616.33	<b>621.74</b>	306.03	27.41	10.83	<b>6,733.4</b>	<b>190,271</b>	16.3
37' 0	0' 7	99.4%	162,997	3,881	617,012	617.01	<b>622.43</b>	306.03	27.42	10.86	<b>6,759.6</b>	<b>190,482</b>	15.5
37' 1	0' 6	99.5%	163,175	3,885	617,684	617.68	<b>623.11</b>	306.03	27.43	10.88	<b>6,779.4</b>	<b>190,690</b>	14.8
37' 2	0' 5	99.6%	163,350	3,889	618,346	618.35	<b>623.78</b>	306.03	27.44	10.91	<b>6,805.4</b>	<b>190,895</b>	14.0
37' 3	0' 4	99.7%	163,521	3,893	618,996	619.0	<b>624.44</b>	306.03	27.45	10.94	<b>6,831.4</b>	<b>191,097</b>	13.3
37' 4	0' 3	99.8%	163,689	3,897	619,631	619.63	<b>625.08</b>	306.03	27.46	10.97	<b>6,857.1</b>	<b>191,293</b>	11.8
37' 5	0' 2	99.9%	163,848	3,901	620,231	620.23	<b>625.68</b>	306.03	27.47	10.99	<b>6,876.2</b>	<b>191,477</b>	9.8
37' 6	0' 1	100.0%	163,994	3,905	620,786	620.79	<b>626.24</b>	306.03	27.48	11.02	<b>6,901.2</b>	<b>191,648</b>	4.5

Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
0' 1	37' 5 1/2	0	65	2	245	0	0	338	20	0	0	84	334
0' 2	37' 5	0	146	3	552	1	1	338	20	0	0	189	464
0' 3	37' 4	0	253	6	958	1	1	339	20	0	0	328	604
0' 4	37' 3	0	384	9	1455	1	1	339	20	0	1	498	723
0' 5	37' 2	0	537	13	2031	2	2	339	20	0	1	695	824
0' 6	37' 1	0	708	17	2681	3	3	340	20	1	1	917	925
0' 7	37' 0	0	899	21	3402	3	3	340	20	1	2	1166	1018
0' 8	36' 11	0	1107	26	4189	4	4	340	20	1	3	1439	1108
0' 9	36' 10	0	1331	32	5037	5	5	340	20	1	3	1729	1191
0' 10	36' 9	0	1571	37	5946	6	6	341	20	1	4	2044	1269
0' 11	36' 8	0	1826	43	6912	7	7	341	20	1	5	2376	1338
1' 0	36' 7	0	2095	50	7932	8	8	341	20	1	7	2728	1406
1' 1	36' 6	0	2379	57	9004	9	9	341	20	1	8	3099	1496
1' 2	36' 5	0	2675	64	10127	10	10	341	20	1	10	3490	1563
1' 3	36' 4	0	2985	71	11300	11	11	342	20	1	11	3895	1632
1' 4	36' 3	0	3307	79	12519	13	13	342	20	1	13	4318	1698
1' 5	36' 2	0	3642	87	13785	14	14	342	20	1	15	4758	1762
1' 6	36' 1	0	3988	95	15096	15	15	342	20	1	17	5213	1824
1' 7	36' 0	0	4346	103	16450	16	17	342	20	1	20	5685	1883
1' 8	35' 11	0	4715	112	17847	18	18	343	20	1	22	6167	1939
1' 9	35' 10	0	5094	121	19282	19	19	343	20	1	25	6667	1989
1' 10	35' 9	0	5483	131	20754	21	21	343	20	1	28	7182	2043
1' 11	35' 8	0	5881	140	22262	22	22	343	20	1	31	7707	2081
2' 0	35' 7	0	6288	150	23803	24	24	343	20	1	35	8242	2130
2' 1	35' 6	0	6704	160	25377	25	26	343	20	1	38	8792	2180
2' 2	35' 5	0	7128	170	26981	27	27	344	20	2	42	9353	2228
2' 3	35' 4	0	7560	180	28617	29	29	344	20	2	46	9924	2262
2' 4	35' 3	0	7999	190	30281	30	31	344	20	2	50	10505	2307
2' 5	35' 2	0	8447	201	31974	32	32	344	20	2	55	11094	2354
2' 6	35' 1	0	8902	212	33699	34	34	344	20	2	59	11701	2388
2' 7	35' 0	0	9365	223	35450	35	36	344	20	2	64	12311	2433
2' 8	34' 11	0	9835	234	37229	37	38	344	20	2	69	12936	2474
2' 9	34' 10	0	10314	246	39041	39	39	345	20	2	74	13567	2510

Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
2' 10	34' 9	0	10799	257	40880	41	<b>41</b>	345	20	2	<b>80</b>	<b>14213</b>	2557
2' 11	34' 8	0	11292	269	42746	43	<b>43</b>	345	20	2	<b>86</b>	<b>14866</b>	2594
3' 0	34' 7	0	11794	281	44644	45	<b>45</b>	345	20	2	<b>92</b>	<b>15534</b>	2632
3' 1	34' 6	8.0%	12,303	293	46,571	46.57	<b>46.98</b>	345.01	19.89	2.09	<b>98.2</b>	<b>16,209</b>	2,680.5
3' 2	34' 5	8.4%	12,818	305	48,523	48.52	<b>48.95</b>	345.12	19.89	2.14	<b>104.8</b>	<b>16,894</b>	2,714.2
3' 3	34' 4	8.7%	13,343	318	50,507	50.51	<b>50.95</b>	345.24	19.89	2.19	<b>111.6</b>	<b>17,590</b>	2,751.4
3' 4	34' 3	9.1%	13,875	330	52,521	52.52	<b>52.98</b>	345.36	19.89	2.24	<b>118.7</b>	<b>18,297</b>	2,800.4
3' 5	34' 2	9.4%	14,416	343	54,571	54.57	<b>55.05</b>	345.47	19.89	2.29	<b>126.1</b>	<b>19,018</b>	2,834.3
3' 6	34' 1	9.8%	14,962	356	56,636	56.64	<b>57.13</b>	345.59	19.89	2.34	<b>133.7</b>	<b>19,744</b>	2,861.5
3' 7	34' 0	10.2%	15,515	369	58,732	58.73	<b>59.25</b>	345.70	19.89	2.40	<b>142.2</b>	<b>20,483</b>	2,920.0
3' 8	33' 11	10.5%	16,080	383	60,870	60.87	<b>61.40</b>	345.82	19.89	2.45	<b>150.4</b>	<b>21,233</b>	2,955.7
3' 9	33' 10	10.9%	16,648	396	63,018	63.02	<b>63.57</b>	345.93	19.89	2.50	<b>158.9</b>	<b>21,991</b>	2,981.1
3' 10	33' 9	11.3%	17,224	410	65,200	65.20	<b>65.77</b>	346.04	19.89	2.55	<b>167.7</b>	<b>22,759</b>	3,038.7
3' 11	33' 8	11.7%	17,812	424	67,425	67.42	<b>68.02</b>	346.15	19.89	2.60	<b>176.9</b>	<b>23,545</b>	3,075.0
4' 0	33' 7	12.0%	18,401	438	69,657	69.66	<b>70.27</b>	346.26	19.89	2.65	<b>186.2</b>	<b>24,332</b>	3,099.8
4' 1	33' 6	12.4%	19,001	452	71,925	71.93	<b>72.56</b>	346.37	19.89	2.70	<b>195.9</b>	<b>25,133</b>	3,152.4
4' 2	33' 5	12.8%	19,611	467	74,234	74.23	<b>74.89</b>	346.48	19.89	2.75	<b>205.9</b>	<b>25,948</b>	3,191.8
4' 3	33' 4	13.2%	20,223	481	76,552	76.55	<b>77.23</b>	346.59	19.89	2.80	<b>216.2</b>	<b>26,767</b>	3,218.4
4' 4	33' 3	13.6%	20,845	496	78,908	78.91	<b>79.60</b>	346.70	19.89	2.85	<b>226.9</b>	<b>27,597</b>	3,268.9
4' 5	33' 2	14.1%	21,477	511	81,301	81.30	<b>82.02</b>	346.81	19.89	2.90	<b>237.9</b>	<b>28,445</b>	3,307.4
4' 6	33' 1	14.5%	22,113	526	83,706	83.71	<b>84.44</b>	346.91	19.88	2.95	<b>249.1</b>	<b>29,293</b>	3,336.4
4' 7	33' 0	14.9%	22,758	542	86,147	86.15	<b>86.90</b>	347.02	19.88	3.00	<b>260.7</b>	<b>30,156</b>	3,384.0
4' 8	32' 11	15.3%	23,412	557	88,623	88.62	<b>89.40</b>	347.13	19.88	3.06	<b>273.6</b>	<b>31,033</b>	3,422.1
4' 9	32' 10	15.7%	24,070	573	91,114	91.11	<b>91.91</b>	347.24	19.88	3.11	<b>285.8</b>	<b>31,915</b>	3,453.5
4' 10	32' 9	16.2%	24,737	589	93,641	93.64	<b>94.46</b>	347.34	19.88	3.16	<b>298.5</b>	<b>32,810</b>	3,499.3
4' 11	32' 8	16.6%	25,413	605	96,200	96.20	<b>97.05</b>	347.45	19.88	3.21	<b>311.5</b>	<b>33,720</b>	3,536.5
5' 0	32' 7	17.1%	26,094	621	98,778	98.78	<b>99.65</b>	347.56	19.87	3.26	<b>324.9</b>	<b>34,634</b>	3,571.3
5' 1	32' 6	17.5%	26,785	638	101,391	101.39	<b>102.28</b>	347.67	19.87	3.31	<b>338.5</b>	<b>35,560</b>	3,616.2
5' 2	32' 5	18.0%	27,483	654	104,033	104.03	<b>104.95</b>	347.77	19.87	3.36	<b>352.6</b>	<b>36,498</b>	3,651.5
5' 3	32' 4	18.4%	28,187	671	106,698	106.70	<b>107.64</b>	347.88	19.87	3.42	<b>368.1</b>	<b>37,446</b>	3,689.1
5' 4	32' 3	18.9%	28,900	688	109,397	109.40	<b>110.36</b>	347.99	19.87	3.47	<b>382.9</b>	<b>38,404</b>	3,732.2
5' 5	32' 2	19.4%	29,620	705	112,123	112.12	<b>113.11</b>	348.09	19.87	3.52	<b>398.1</b>	<b>39,372</b>	3,765.2
5' 6	32' 1	19.9%	30,346	723	114,870	114.87	<b>115.88</b>	348.20	19.87	3.57	<b>413.7</b>	<b>40,349</b>	3,777.6



Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
5' 7	32' 0	20.3%	31,076	740	117,637	117.64	<b>118.67</b>	348.31	19.87	3.62	<b>429.6</b>	<b>41,334</b>	3,768.3
5' 8	31' 11	20.8%	31,806	757	120,400	120.40	<b>121.46</b>	348.42	19.87	3.67	<b>445.8</b>	<b>42,319</b>	3,740.6
5' 9	31' 10	21.3%	32,533	775	123,151	123.15	<b>124.23</b>	348.53	19.87	3.72	<b>462.1</b>	<b>43,298</b>	3,720.4
5' 10	31' 9	21.8%	33,254	792	125,881	125.88	<b>126.99</b>	348.65	19.88	3.77	<b>478.8</b>	<b>44,275</b>	3,694.0
5' 11	31' 8	22.2%	33,965	809	128,571	128.57	<b>129.70</b>	348.77	19.89	3.82	<b>495.5</b>	<b>45,235</b>	3,650.4
6' 0	31' 7	22.7%	34,664	825	131,218	131.22	<b>132.37</b>	348.90	19.91	3.87	<b>512.3</b>	<b>46,184</b>	3,613.9
6' 1	31' 6	23.1%	35,351	842	133,820	133.82	<b>135.0</b>	349.03	19.92	3.91	<b>527.9</b>	<b>47,119</b>	3,569.2
6' 2	31' 5	23.6%	36,026	858	136,374	136.37	<b>137.57</b>	349.16	19.93	3.96	<b>544.8</b>	<b>48,034</b>	3,520.3
6' 3	31' 4	24.0%	36,690	874	138,886	138.89	<b>140.11</b>	349.30	19.95	4.00	<b>560.4</b>	<b>48,940</b>	3,479.8
6' 4	31' 3	24.4%	37,341	889	141,352	141.35	<b>142.59</b>	349.44	19.96	4.05	<b>577.5</b>	<b>49,827</b>	3,430.8
6' 5	31' 2	24.8%	37,981	904	143,773	143.77	<b>145.04</b>	349.58	19.98	4.09	<b>593.2</b>	<b>50,703</b>	3,380.8
6' 6	31' 1	25.3%	38,609	919	146,151	146.15	<b>147.44</b>	349.72	20.00	4.13	<b>608.9</b>	<b>51,563</b>	3,343.6
6' 7	31' 0	25.7%	39,225	934	148,481	148.48	<b>149.79</b>	349.86	20.02	4.17	<b>624.6</b>	<b>52,406</b>	3,290.2
6' 8	30' 11	26.1%	39,829	948	150,768	150.77	<b>152.09</b>	350.01	20.04	4.21	<b>640.3</b>	<b>53,233</b>	3,239.8
6' 9	30' 10	26.4%	40,423	962	153,017	153.02	<b>154.36</b>	350.15	20.06	4.25	<b>656.0</b>	<b>54,049</b>	3,224.4
6' 10	30' 9	26.8%	41,007	976	155,227	155.23	<b>156.59</b>	350.30	20.08	4.29	<b>671.8</b>	<b>54,853</b>	3,205.1
6' 11	30' 8	27.2%	41,584	990	157,414	157.41	<b>158.80</b>	350.44	20.10	4.33	<b>687.6</b>	<b>55,650</b>	3,200.7
7' 0	30' 7	27.6%	42,159	1,004	159,588	159.59	<b>160.99</b>	350.59	20.11	4.37	<b>703.5</b>	<b>56,441</b>	3,217.3
7' 1	30' 6	28.0%	42,729	1,017	161,748	161.75	<b>163.17</b>	350.73	20.13	4.41	<b>719.6</b>	<b>57,229</b>	3,212.1
7' 2	30' 5	28.3%	43,300	1,031	163,910	163.91	<b>165.35</b>	350.88	20.15	4.45	<b>735.8</b>	<b>58,018</b>	3,210.9
7' 3	30' 4	28.7%	43,873	1,045	166,077	166.08	<b>167.54</b>	351.03	20.17	4.49	<b>752.3</b>	<b>58,812</b>	3,230.5
7' 4	30' 3	29.1%	44,443	1,058	168,236	168.24	<b>169.72</b>	351.17	20.19	4.53	<b>768.8</b>	<b>59,601</b>	3,228.6
7' 5	30' 2	29.4%	45,015	1,072	170,399	170.40	<b>171.90</b>	351.32	20.20	4.57	<b>785.6</b>	<b>60,392</b>	3,226.6
7' 6	30' 1	29.8%	45,587	1,085	172,566	172.57	<b>174.08</b>	351.46	20.22	4.60	<b>800.8</b>	<b>61,182</b>	3,244.2
7' 7	30' 0	30.2%	46,158	1,099	174,727	174.73	<b>176.26</b>	351.61	20.24	4.64	<b>817.8</b>	<b>61,975</b>	3,240.6
7' 8	29' 11	30.6%	46,729	1,113	176,890	176.89	<b>178.44</b>	351.76	20.25	4.68	<b>835.1</b>	<b>62,768</b>	3,242.3
7' 9	29' 10	30.9%	47,302	1,126	179,057	179.06	<b>180.63</b>	351.90	20.27	4.72	<b>852.6</b>	<b>63,564</b>	3,257.0
7' 10	29' 9	31.3%	47,873	1,140	181,219	181.22	<b>182.81</b>	352.05	20.29	4.76	<b>870.2</b>	<b>64,358</b>	3,252.7
7' 11	29' 8	31.7%	48,445	1,153	183,383	183.38	<b>185.0</b>	352.20	20.30	4.80	<b>888.0</b>	<b>65,157</b>	3,259.8
8' 0	29' 7	32.1%	49,017	1,167	185,550	185.55	<b>187.18</b>	352.35	20.32	4.84	<b>906.0</b>	<b>65,953</b>	3,273.2
8' 1	29' 6	32.4%	49,589	1,181	187,715	187.71	<b>189.36</b>	352.49	20.33	4.88	<b>924.1</b>	<b>66,748</b>	3,268.8
8' 2	29' 5	32.8%	50,162	1,194	189,883	189.88	<b>191.55</b>	352.64	20.35	4.92	<b>942.4</b>	<b>67,548</b>	3,276.7
8' 3	29' 4	33.2%	50,735	1,208	192,052	192.05	<b>193.74</b>	352.79	20.36	4.96	<b>961.0</b>	<b>68,350</b>	3,291.5

Tank		Ballast #6 PORT											
Specific Gravity		1.025											
Trim		0											
Capacity		152,859 Gallons											
Label(s)		Ball#6.p											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
8' 4	29' 3	33.6%	51,307	1,222	194,220	194.22	<b>195.93</b>	352.93	20.38	5.00	<b>979.7</b>	<b>69,150</b>	3,286.0
8' 5	29' 2	33.9%	51,881	1,235	196,392	196.39	<b>198.12</b>	353.08	20.39	5.04	<b>998.5</b>	<b>69,952</b>	3,296.4
8' 6	29' 1	34.3%	52,455	1,249	198,564	198.56	<b>200.31</b>	353.23	20.41	5.08	<b>1,017.6</b>	<b>70,756</b>	3,310.7
8' 7	29' 0	34.7%	53,029	1,263	200,736	200.74	<b>202.50</b>	353.38	20.42	5.12	<b>1,036.8</b>	<b>71,559</b>	3,293.3
8' 8	28' 11	35.1%	53,603	1,276	202,910	202.91	<b>204.69</b>	353.52	20.44	5.16	<b>1,056.2</b>	<b>72,362</b>	3,315.2
8' 9	28' 10	35.4%	54,178	1,290	205,085	205.09	<b>206.89</b>	353.67	20.45	5.20	<b>1,075.8</b>	<b>73,171</b>	3,325.6
8' 10	28' 9	35.8%	54,753	1,304	207,262	207.26	<b>209.08</b>	353.82	20.47	5.24	<b>1,095.6</b>	<b>73,977</b>	3,312.0
8' 11	28' 8	36.2%	55,328	1,317	209,441	209.44	<b>211.28</b>	353.97	20.48	5.28	<b>1,115.6</b>	<b>74,787</b>	3,337.9
9' 0	28' 7	36.6%	55,905	1,331	211,624	211.62	<b>213.48</b>	354.11	20.49	5.32	<b>1,135.7</b>	<b>75,595</b>	3,337.5
9' 1	28' 6	37.0%	56,482	1,345	213,809	213.81	<b>215.69</b>	354.26	20.51	5.36	<b>1,156.1</b>	<b>76,410</b>	3,332.2
9' 2	28' 5	37.3%	57,060	1,359	215,994	215.99	<b>217.89</b>	354.41	20.52	5.40	<b>1,176.6</b>	<b>77,222</b>	3,361.1
9' 3	28' 4	37.7%	57,638	1,372	218,185	218.18	<b>220.10</b>	354.55	20.54	5.44	<b>1,197.3</b>	<b>78,036</b>	3,357.0
9' 4	28' 3	38.1%	58,217	1,386	220,377	220.38	<b>222.31</b>	354.70	20.55	5.48	<b>1,218.3</b>	<b>78,853</b>	3,358.1
9' 5	28' 2	38.5%	58,797	1,400	222,570	222.57	<b>224.53</b>	354.85	20.56	5.52	<b>1,239.4</b>	<b>79,674</b>	3,387.4
9' 6	28' 1	38.8%	59,378	1,414	224,769	224.77	<b>226.74</b>	355.00	20.58	5.56	<b>1,260.7</b>	<b>80,493</b>	3,379.5
9' 7	28' 0	39.2%	59,959	1,428	226,970	226.97	<b>228.96</b>	355.14	20.59	5.60	<b>1,282.2</b>	<b>81,313</b>	3,385.1
9' 8	27' 11	39.6%	60,540	1,441	229,171	229.17	<b>231.18</b>	355.29	20.61	5.64	<b>1,303.9</b>	<b>82,136</b>	3,413.6
9' 9	27' 10	40.0%	61,123	1,455	231,377	231.38	<b>233.41</b>	355.44	20.62	5.68	<b>1,325.8</b>	<b>82,963</b>	3,400.9
9' 10	27' 9	40.4%	61,707	1,469	233,586	233.59	<b>235.64</b>	355.59	20.64	5.72	<b>1,347.9</b>	<b>83,791</b>	3,413.4
9' 11	27' 8	40.8%	62,291	1,483	235,796	235.80	<b>237.87</b>	355.73	20.65	5.76	<b>1,370.1</b>	<b>84,617</b>	3,433.8
10' 0	27' 7	41.1%	62,876	1,497	238,010	238.01	<b>240.10</b>	355.88	20.66	5.80	<b>1,392.6</b>	<b>85,447</b>	3,423.4
10' 1	27' 6	41.5%	63,461	1,511	240,228	240.23	<b>242.34</b>	356.03	20.68	5.85	<b>1,417.7</b>	<b>86,280</b>	3,442.3
10' 2	27' 5	41.9%	64,048	1,525	242,447	242.45	<b>244.58</b>	356.18	20.69	5.89	<b>1,440.6</b>	<b>87,115</b>	3,452.9
10' 3	27' 4	42.3%	64,635	1,539	244,669	244.67	<b>246.82</b>	356.33	20.71	5.93	<b>1,463.6</b>	<b>87,949</b>	3,447.7
10' 4	27' 3	42.7%	65,223	1,553	246,896	246.90	<b>249.07</b>	356.47	20.72	5.97	<b>1,486.9</b>	<b>88,786</b>	3,475.7
10' 5	27' 2	43.1%	65,811	1,567	249,123	249.12	<b>251.31</b>	356.62	20.73	6.01	<b>1,510.4</b>	<b>89,622</b>	3,469.1
10' 6	27' 1	43.4%	66,400	1,581	251,353	251.35	<b>253.56</b>	356.77	20.75	6.05	<b>1,534.0</b>	<b>90,463</b>	3,471.3
10' 7	27' 0	43.8%	66,990	1,595	253,586	253.59	<b>255.81</b>	356.92	20.76	6.09	<b>1,557.9</b>	<b>91,304</b>	3,502.3
10' 8	26' 11	44.2%	67,581	1,609	255,822	255.82	<b>258.07</b>	357.06	20.78	6.14	<b>1,584.5</b>	<b>92,146</b>	3,490.9
10' 9	26' 10	44.6%	68,172	1,623	258,060	258.06	<b>260.33</b>	357.21	20.79	6.18	<b>1,608.8</b>	<b>92,992</b>	3,498.8
10' 10	26' 9	45.0%	68,765	1,637	260,302	260.30	<b>262.59</b>	357.36	20.80	6.22	<b>1,633.3</b>	<b>93,839</b>	3,530.1
10' 11	26' 8	45.4%	69,358	1,651	262,547	262.55	<b>264.85</b>	357.51	20.82	6.26	<b>1,658.0</b>	<b>94,687</b>	3,514.2
11' 0	26' 7	45.8%	69,951	1,666	264,794	264.79	<b>267.12</b>	357.65	20.83	6.30	<b>1,682.9</b>	<b>95,535</b>	3,526.1

Tank		Ballast #6 PORT											
Specific Gravity		1.025											
Trim		0											
Capacity		152,859 Gallons											
Label(s)		Ball#6.p											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
11' 1	26' 6	46.2%	70,546	1,680	267,046	267.05	<b>269.39</b>	357.80	20.85	6.34	<b>1,707.9</b>	<b>96,388</b>	3,550.0
11' 2	26' 5	46.5%	71,142	1,694	269,300	269.30	<b>271.67</b>	357.95	20.86	6.39	<b>1,736.0</b>	<b>97,244</b>	3,537.8
11' 3	26' 4	46.9%	71,737	1,708	271,556	271.56	<b>273.94</b>	358.10	20.87	6.43	<b>1,761.4</b>	<b>98,098</b>	3,555.1
11' 4	26' 3	47.3%	72,335	1,722	273,817	273.82	<b>276.22</b>	358.24	20.89	6.47	<b>1,787.1</b>	<b>98,953</b>	3,571.1
11' 5	26' 2	47.7%	72,933	1,736	276,081	276.08	<b>278.51</b>	358.39	20.90	6.51	<b>1,813.1</b>	<b>99,815</b>	3,563.7
11' 6	26' 1	48.1%	73,531	1,751	278,346	278.35	<b>280.79</b>	358.54	20.92	6.55	<b>1,839.2</b>	<b>100,674</b>	3,584.6
11' 7	26' 0	48.5%	74,131	1,765	280,618	280.62	<b>283.08</b>	358.69	20.93	6.60	<b>1,868.3</b>	<b>101,538</b>	3,592.5
11' 8	25' 11	48.9%	74,732	1,779	282,891	282.89	<b>285.38</b>	358.83	20.94	6.64	<b>1,894.9</b>	<b>102,403</b>	3,591.0
11' 9	25' 10	49.3%	75,333	1,794	285,167	285.17	<b>287.67</b>	358.98	20.96	6.68	<b>1,921.6</b>	<b>103,268</b>	3,617.6
11' 10	25' 9	49.7%	75,935	1,808	287,447	287.45	<b>289.97</b>	359.13	20.97	6.72	<b>1,948.6</b>	<b>104,137</b>	3,610.2
11' 11	25' 8	50.1%	76,538	1,822	289,728	289.73	<b>292.27</b>	359.27	20.99	6.76	<b>1,975.7</b>	<b>105,004</b>	3,616.3
12' 0	25' 7	50.5%	77,142	1,837	292,014	292.01	<b>294.58</b>	359.42	21.00	6.81	<b>2,006.1</b>	<b>105,878</b>	3,647.9
12' 1	25' 6	50.9%	77,747	1,851	294,303	294.30	<b>296.89</b>	359.57	21.01	6.85	<b>2,033.7</b>	<b>106,753</b>	3,633.7
12' 2	25' 5	51.3%	78,352	1,866	296,594	296.59	<b>299.20</b>	359.72	21.03	6.89	<b>2,061.5</b>	<b>107,628</b>	3,644.3
12' 3	25' 4	51.7%	78,959	1,880	298,891	298.89	<b>301.52</b>	359.86	21.04	6.93	<b>2,089.5</b>	<b>108,505</b>	3,663.3
12' 4	25' 3	52.1%	79,565	1,894	301,185	301.19	<b>303.83</b>	360.01	21.06	6.98	<b>2,120.7</b>	<b>109,382</b>	3,639.2
12' 5	25' 2	52.4%	80,170	1,909	303,476	303.48	<b>306.14</b>	360.16	21.07	7.02	<b>2,149.1</b>	<b>110,259</b>	3,630.1
12' 6	25' 1	52.8%	80,774	1,923	305,765	305.76	<b>308.45</b>	360.30	21.09	7.06	<b>2,177.7</b>	<b>111,135</b>	3,609.5
12' 7	25' 0	53.2%	81,377	1,938	308,047	308.05	<b>310.75</b>	360.45	21.10	7.10	<b>2,206.3</b>	<b>112,010</b>	3,577.1
12' 8	24' 11	53.6%	81,977	1,952	310,318	310.32	<b>313.05</b>	360.59	21.12	7.14	<b>2,235.2</b>	<b>112,883</b>	3,562.7
12' 9	24' 10	54.0%	82,575	1,966	312,582	312.58	<b>315.33</b>	360.73	21.14	7.19	<b>2,267.2</b>	<b>113,749</b>	3,529.7
12' 10	24' 9	54.4%	83,170	1,980	314,832	314.83	<b>317.60</b>	360.87	21.15	7.23	<b>2,296.2</b>	<b>114,612</b>	3,498.2
12' 11	24' 8	54.8%	83,760	1,994	317,067	317.07	<b>319.85</b>	361.01	21.17	7.27	<b>2,325.3</b>	<b>115,469</b>	3,484.0
13' 0	24' 7	55.2%	84,347	2,008	319,289	319.29	<b>322.10</b>	361.14	21.19	7.31	<b>2,354.6</b>	<b>116,323</b>	3,442.9
13' 1	24' 6	55.6%	84,929	2,022	321,490	321.49	<b>324.32</b>	361.27	21.21	7.35	<b>2,383.8</b>	<b>117,167</b>	3,413.1
13' 2	24' 5	55.9%	85,505	2,036	323,672	323.67	<b>326.52</b>	361.40	21.22	7.39	<b>2,413.0</b>	<b>118,004</b>	3,399.2
13' 3	24' 4	56.3%	86,077	2,049	325,835	325.84	<b>328.70</b>	361.53	21.24	7.43	<b>2,442.2</b>	<b>118,835</b>	3,343.4
13' 4	24' 3	56.7%	86,641	2,063	327,973	327.97	<b>330.86</b>	361.66	21.26	7.47	<b>2,471.5</b>	<b>119,659</b>	3,315.9
13' 5	24' 2	57.0%	87,201	2,076	330,091	330.09	<b>332.99</b>	361.78	21.28	7.51	<b>2,500.8</b>	<b>120,469</b>	3,287.3
13' 6	24' 1	57.4%	87,754	2,089	332,187	332.19	<b>335.11</b>	361.90	21.30	7.55	<b>2,530.1</b>	<b>121,276</b>	3,238.3
13' 7	24' 0	57.8%	88,301	2,102	334,257	334.26	<b>337.19</b>	362.02	21.32	7.59	<b>2,559.3</b>	<b>122,070</b>	3,211.2
13' 8	23' 11	58.1%	88,843	2,115	336,308	336.31	<b>339.26</b>	362.13	21.34	7.63	<b>2,588.6</b>	<b>122,856</b>	3,172.5
13' 9	23' 10	58.5%	89,378	2,128	338,334	338.33	<b>341.31</b>	362.24	21.36	7.66	<b>2,614.4</b>	<b>123,636</b>	3,125.5

Tank		Ballast #6 PORT											
Specific Gravity		1.025											
Trim		0											
Capacity		152,859 Gallons											
Label(s)		Ball#6.p											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
13' 10	23' 9	58.8%	89,907	2,141	340,335	340.34	<b>343.33</b>	362.35	21.38	7.70	<b>2,643.6</b>	<b>124,406</b>	3,099.6
13' 11	23' 8	59.2%	90,431	2,153	342,317	342.32	<b>345.33</b>	362.46	21.40	7.74	<b>2,672.9</b>	<b>125,168</b>	3,051.5
14' 0	23' 7	59.5%	90,947	2,165	344,273	344.27	<b>347.30</b>	362.57	21.42	7.77	<b>2,698.5</b>	<b>125,921</b>	3,006.4
14' 1	23' 6	59.8%	91,458	2,178	346,205	346.20	<b>349.25</b>	362.67	21.44	7.81	<b>2,727.6</b>	<b>126,662</b>	2,981.7
14' 2	23' 5	60.2%	91,963	2,190	348,117	348.12	<b>351.18</b>	362.77	21.47	7.85	<b>2,756.8</b>	<b>127,398</b>	2,923.8
14' 3	23' 4	60.5%	92,461	2,201	350,002	350.0	<b>353.08</b>	362.87	21.49	7.88	<b>2,782.3</b>	<b>128,122</b>	2,880.3
14' 4	23' 3	60.8%	92,952	2,213	351,863	351.86	<b>354.96</b>	362.96	21.51	7.92	<b>2,811.3</b>	<b>128,836</b>	2,856.5
14' 5	23' 2	61.1%	93,438	2,225	353,703	353.70	<b>356.81</b>	363.06	21.53	7.95	<b>2,836.6</b>	<b>129,543</b>	2,788.8
14' 6	23' 1	61.4%	93,917	2,236	355,516	355.52	<b>358.64</b>	363.15	21.55	7.99	<b>2,865.5</b>	<b>130,240</b>	2,746.9
14' 7	23' 0	61.8%	94,390	2,247	357,306	357.31	<b>360.45</b>	363.24	21.57	8.02	<b>2,890.8</b>	<b>130,930</b>	2,705.0
14' 8	22' 11	62.1%	94,857	2,258	359,071	359.07	<b>362.23</b>	363.32	21.60	8.05	<b>2,916.0</b>	<b>131,605</b>	2,641.2
14' 9	22' 10	62.4%	95,316	2,269	360,810	360.81	<b>363.98</b>	363.41	21.62	8.09	<b>2,944.6</b>	<b>132,274</b>	2,603.8
14' 10	22' 9	62.7%	95,770	2,280	362,527	362.53	<b>365.71</b>	363.49	21.64	8.12	<b>2,969.6</b>	<b>132,932</b>	2,551.2
14' 11	22' 8	62.9%	96,216	2,291	364,219	364.22	<b>367.42</b>	363.57	21.67	8.15	<b>2,994.5</b>	<b>133,583</b>	2,490.4
15' 0	22' 7	63.2%	96,656	2,301	365,884	365.88	<b>369.10</b>	363.65	21.69	8.18	<b>3,019.2</b>	<b>134,223</b>	2,454.7
15' 1	22' 6	63.5%	97,091	2,312	367,528	367.53	<b>370.76</b>	363.72	21.71	8.22	<b>3,047.6</b>	<b>134,853</b>	2,390.3
15' 2	22' 5	63.8%	97,518	2,322	369,146	369.15	<b>372.39</b>	363.80	21.74	8.25	<b>3,072.2</b>	<b>135,475</b>	2,331.0
15' 3	22' 4	64.1%	97,939	2,332	370,738	370.74	<b>374.0</b>	363.87	21.76	8.28	<b>3,096.7</b>	<b>136,087</b>	2,296.5
15' 4	22' 3	64.3%	98,354	2,342	372,309	372.31	<b>375.58</b>	363.94	21.78	8.31	<b>3,121.1</b>	<b>136,689</b>	2,220.2
15' 5	22' 2	64.6%	98,761	2,351	373,852	373.85	<b>377.14</b>	364.01	21.81	8.34	<b>3,145.3</b>	<b>137,283</b>	2,162.0
15' 6	22' 1	64.9%	99,162	2,361	375,371	375.37	<b>378.67</b>	364.07	21.83	8.37	<b>3,169.5</b>	<b>137,862</b>	2,127.8
15' 7	22' 0	65.1%	99,558	2,370	376,867	376.87	<b>380.18</b>	364.13	21.85	8.40	<b>3,193.5</b>	<b>138,435</b>	2,038.0
15' 8	21' 11	65.4%	99,946	2,380	378,335	378.34	<b>381.66</b>	364.19	21.88	8.43	<b>3,217.4</b>	<b>138,997</b>	1,981.0
15' 9	21' 10	65.6%	100,327	2,389	379,780	379.78	<b>383.12</b>	364.25	21.90	8.45	<b>3,237.4</b>	<b>139,551</b>	1,932.4
15' 10	21' 9	65.9%	100,702	2,398	381,200	381.20	<b>384.55</b>	364.31	21.93	8.48	<b>3,261.0</b>	<b>140,095</b>	1,843.4
15' 11	21' 8	66.1%	101,070	2,406	382,593	382.59	<b>385.96</b>	364.37	21.95	8.51	<b>3,284.5</b>	<b>140,632</b>	1,787.5
16' 0	21' 7	66.4%	101,432	2,415	383,963	383.96	<b>387.34</b>	364.42	21.98	8.54	<b>3,307.9</b>	<b>141,154</b>	1,713.2
16' 1	21' 6	66.6%	101,787	2,424	385,306	385.31	<b>388.69</b>	364.47	22.00	8.56	<b>3,327.2</b>	<b>141,666</b>	1,629.1
16' 2	21' 5	66.8%	102,135	2,432	386,621	386.62	<b>390.02</b>	364.52	22.03	8.59	<b>3,350.3</b>	<b>142,170</b>	1,576.9
16' 3	21' 4	67.0%	102,476	2,440	387,914	387.91	<b>391.32</b>	364.57	22.06	8.62	<b>3,373.2</b>	<b>142,664</b>	1,485.8
16' 4	21' 3	67.3%	102,811	2,448	389,180	389.18	<b>392.60</b>	364.61	22.08	8.64	<b>3,392.1</b>	<b>143,146</b>	1,403.2
16' 5	21' 2	67.5%	103,138	2,456	390,420	390.42	<b>393.85</b>	364.65	22.11	8.67	<b>3,414.7</b>	<b>143,617</b>	1,352.1
16' 6	21' 1	67.7%	103,460	2,463	391,637	391.64	<b>395.08</b>	364.70	22.13	8.69	<b>3,433.2</b>	<b>144,086</b>	1,240.8

Tank		Ballast #6 PORT											
Specific Gravity		1.025											
Trim		0											
Capacity		152,859 Gallons											
Label(s)		Ball#6.p											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
16' 7	21' 0	67.9%	103,774	2,471	392,825	392.83	<b>396.28</b>	364.73	22.16	8.72	<b>3,455.6</b>	<b>144,535</b>	1,157.7
16' 8	20' 11	68.1%	104,081	2,478	393,989	393.99	<b>397.45</b>	364.77	22.19	8.74	<b>3,473.7</b>	<b>144,978</b>	1,106.8
16' 9	20' 10	68.3%	104,382	2,485	395,129	395.13	<b>398.60</b>	364.81	22.21	8.76	<b>3,491.7</b>	<b>145,413</b>	973.9
16' 10	20' 9	68.5%	104,676	2,492	396,240	396.24	<b>399.72</b>	364.84	22.24	8.79	<b>3,513.5</b>	<b>145,834</b>	888.9
16' 11	20' 8	68.7%	104,963	2,499	397,327	397.33	<b>400.82</b>	364.87	22.27	8.81	<b>3,531.2</b>	<b>146,247</b>	803.7
17' 0	20' 7	68.9%	105,243	2,506	398,390	398.39	<b>401.89</b>	364.90	22.30	8.83	<b>3,548.7</b>	<b>146,650</b>	677.9
17' 1	20' 6	69.0%	105,516	2,512	399,423	399.42	<b>402.93</b>	364.93	22.32	8.85	<b>3,565.9</b>	<b>147,041</b>	591.3
17' 2	20' 5	69.2%	105,784	2,519	400,434	400.43	<b>403.95</b>	364.95	22.35	8.88	<b>3,587.1</b>	<b>147,422</b>	480.7
17' 3	20' 4	69.4%	106,043	2,525	401,418	401.42	<b>404.95</b>	364.97	22.38	8.90	<b>3,604.1</b>	<b>147,795</b>	350.3
17' 4	20' 3	69.5%	106,296	2,531	402,374	402.37	<b>405.91</b>	364.99	22.41	8.92	<b>3,620.7</b>	<b>148,153</b>	262.3
17' 5	20' 2	69.7%	106,543	2,537	403,310	403.31	<b>406.85</b>	365.01	22.44	8.94	<b>3,637.2</b>	<b>148,504</b>	174.3
17' 6	20' 1	69.9%	106,785	2,542	404,223	404.22	<b>407.78</b>	365.03	22.46	8.96	<b>3,653.7</b>	<b>148,852</b>	107.3
17' 7	20' 0	70.0%	107,020	2,548	405,116	405.12	<b>408.68</b>	365.05	22.49	8.98	<b>3,669.9</b>	<b>149,189</b>	76.6
17' 8	19' 11	70.2%	107,253	2,554	405,998	406.0	<b>409.57</b>	365.06	22.52	9.00	<b>3,686.1</b>	<b>149,518</b>	63.3
17' 9	19' 10	70.3%	107,483	2,559	406,869	406.87	<b>410.44</b>	365.07	22.55	9.02	<b>3,702.2</b>	<b>149,839</b>	54.8
17' 10	19' 9	70.5%	107,711	2,565	407,732	407.73	<b>411.32</b>	365.09	22.58	9.03	<b>3,714.2</b>	<b>150,169</b>	52.3
17' 11	19' 8	70.6%	107,938	2,570	408,591	408.59	<b>412.18</b>	365.10	22.60	9.05	<b>3,730.2</b>	<b>150,487</b>	51.0
18' 0	19' 7	70.8%	108,164	2,575	409,446	409.45	<b>413.04</b>	365.11	22.63	9.07	<b>3,746.3</b>	<b>150,805</b>	49.8
18' 1	19' 6	70.9%	108,389	2,581	410,297	410.30	<b>413.90</b>	365.13	22.66	9.09	<b>3,762.4</b>	<b>151,127</b>	48.5
18' 2	19' 5	71.1%	108,613	2,586	411,143	411.14	<b>414.76</b>	365.14	22.69	9.11	<b>3,778.5</b>	<b>151,445</b>	47.4
18' 3	19' 4	71.2%	108,835	2,591	411,987	411.99	<b>415.61</b>	365.15	22.71	9.13	<b>3,794.5</b>	<b>151,760</b>	46.2
18' 4	19' 3	71.3%	109,057	2,597	412,826	412.83	<b>416.45</b>	365.16	22.74	9.15	<b>3,810.5</b>	<b>152,071</b>	45.1
18' 5	19' 2	71.5%	109,278	2,602	413,662	413.66	<b>417.30</b>	365.17	22.77	9.17	<b>3,826.6</b>	<b>152,385</b>	44.0
18' 6	19' 1	71.6%	109,498	2,607	414,494	414.49	<b>418.14</b>	365.18	22.79	9.19	<b>3,842.7</b>	<b>152,696</b>	42.9
18' 7	19' 0	71.8%	109,717	2,612	415,323	415.32	<b>418.97</b>	365.20	22.82	9.21	<b>3,858.7</b>	<b>153,008</b>	41.9
18' 8	18' 11	71.9%	109,935	2,617	416,147	416.15	<b>419.81</b>	365.21	22.84	9.22	<b>3,870.6</b>	<b>153,319</b>	40.8
18' 9	18' 10	72.1%	110,152	2,623	416,969	416.97	<b>420.63</b>	365.22	22.87	9.24	<b>3,886.6</b>	<b>153,622</b>	39.9
18' 10	18' 9	72.2%	110,368	2,628	417,787	417.79	<b>421.46</b>	365.23	22.90	9.26	<b>3,902.7</b>	<b>153,930</b>	38.9
18' 11	18' 8	72.3%	110,583	2,633	418,601	418.60	<b>422.28</b>	365.24	22.92	9.28	<b>3,918.8</b>	<b>154,234</b>	38.0
19' 0	18' 7	72.5%	110,797	2,638	419,413	419.41	<b>423.10</b>	365.25	22.95	9.30	<b>3,934.8</b>	<b>154,537</b>	37.1
19' 1	18' 6	72.6%	111,011	2,643	420,221	420.22	<b>423.91</b>	365.26	22.97	9.32	<b>3,950.8</b>	<b>154,837</b>	36.2
19' 2	18' 5	72.8%	111,223	2,648	421,026	421.03	<b>424.73</b>	365.26	23.00	9.34	<b>3,967.0</b>	<b>155,137</b>	35.4
19' 3	18' 4	72.9%	111,435	2,653	421,828	421.83	<b>425.54</b>	365.27	23.02	9.36	<b>3,983.1</b>	<b>155,437</b>	34.6

Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
19' 4	18' 3	73.0%	111,646	2,658	422,627	422.63	<b>426.34</b>	365.28	23.05	9.38	<b>3,999.1</b>	<b>155,733</b>	33.8
19' 5	18' 2	73.2%	111,856	2,663	423,423	423.42	<b>427.14</b>	365.29	23.07	9.40	<b>4,015.1</b>	<b>156,030</b>	33.1
19' 6	18' 1	73.3%	112,066	2,668	424,216	424.22	<b>427.94</b>	365.30	23.09	9.42	<b>4,031.2</b>	<b>156,326</b>	32.3
19' 7	18' 0	73.5%	112,275	2,673	425,006	425.01	<b>428.74</b>	365.31	23.12	9.44	<b>4,047.3</b>	<b>156,623</b>	31.6
19' 8	17' 11	73.6%	112,483	2,678	425,793	425.79	<b>429.54</b>	365.32	23.14	9.45	<b>4,059.2</b>	<b>156,920</b>	30.9
19' 9	17' 10	73.7%	112,690	2,683	426,578	426.58	<b>430.33</b>	365.32	23.17	9.47	<b>4,075.2</b>	<b>157,208</b>	30.3
19' 10	17' 9	73.9%	112,897	2,688	427,360	427.36	<b>431.12</b>	365.33	23.19	9.49	<b>4,091.3</b>	<b>157,501</b>	29.7
19' 11	17' 8	74.0%	113,103	2,693	428,140	428.14	<b>431.90</b>	365.34	23.21	9.51	<b>4,107.4</b>	<b>157,790</b>	29.1
20' 0	17' 7	74.1%	113,308	2,698	428,916	428.92	<b>432.69</b>	365.35	23.24	9.53	<b>4,123.5</b>	<b>158,083</b>	28.4
20' 1	17' 6	74.3%	113,512	2,703	429,690	429.69	<b>433.47</b>	365.35	23.26	9.55	<b>4,139.6</b>	<b>158,368</b>	27.9
20' 2	17' 5	74.4%	113,716	2,708	430,461	430.46	<b>434.24</b>	365.36	23.28	9.57	<b>4,155.7</b>	<b>158,654</b>	27.3
20' 3	17' 4	74.5%	113,919	2,712	431,230	431.23	<b>435.02</b>	365.37	23.31	9.59	<b>4,171.8</b>	<b>158,943</b>	26.8
20' 4	17' 3	74.7%	114,121	2,717	431,996	432.0	<b>435.79</b>	365.37	23.33	9.61	<b>4,187.9</b>	<b>159,225</b>	26.3
20' 5	17' 2	74.8%	114,323	2,722	432,761	432.76	<b>436.56</b>	365.38	23.35	9.63	<b>4,204.1</b>	<b>159,510</b>	25.8
20' 6	17' 1	74.9%	114,525	2,727	433,523	433.52	<b>437.33</b>	365.39	23.38	9.65	<b>4,220.2</b>	<b>159,796</b>	25.4
20' 7	17' 0	75.1%	114,725	2,732	434,283	434.28	<b>438.10</b>	365.39	23.40	9.67	<b>4,236.4</b>	<b>160,077</b>	24.9
20' 8	16' 11	75.2%	114,926	2,736	435,040	435.04	<b>438.86</b>	365.40	23.42	9.69	<b>4,252.6</b>	<b>160,359</b>	24.5
20' 9	16' 10	75.3%	115,125	2,741	435,796	435.80	<b>439.63</b>	365.41	23.44	9.71	<b>4,268.8</b>	<b>160,645</b>	24.1
20' 10	16' 9	75.4%	115,324	2,746	436,549	436.55	<b>440.39</b>	365.41	23.47	9.73	<b>4,285.0</b>	<b>160,923</b>	23.7
20' 11	16' 8	75.6%	115,523	2,751	437,301	437.30	<b>441.14</b>	365.42	23.49	9.75	<b>4,301.1</b>	<b>161,201</b>	23.3
21' 0	16' 7	75.7%	115,721	2,755	438,050	438.05	<b>441.90</b>	365.42	23.51	9.77	<b>4,317.4</b>	<b>161,479</b>	23.0
21' 1	16' 6	75.8%	115,918	2,760	438,798	438.80	<b>442.65</b>	365.43	23.53	9.78	<b>4,329.1</b>	<b>161,758</b>	22.7
21' 2	16' 5	76.0%	116,115	2,765	439,544	439.54	<b>443.41</b>	365.43	23.55	9.80	<b>4,345.4</b>	<b>162,035</b>	22.3
21' 3	16' 4	76.1%	116,312	2,769	440,288	440.29	<b>444.16</b>	365.44	23.57	9.82	<b>4,361.7</b>	<b>162,314</b>	22.0
21' 4	16' 3	76.2%	116,508	2,774	441,031	441.03	<b>444.91</b>	365.44	23.60	9.84	<b>4,377.9</b>	<b>162,588</b>	21.7
21' 5	16' 2	76.3%	116,704	2,779	441,772	441.77	<b>445.65</b>	365.45	23.62	9.86	<b>4,394.1</b>	<b>162,863</b>	21.5
21' 6	16' 1	76.5%	116,899	2,783	442,512	442.51	<b>446.40</b>	365.45	23.64	9.88	<b>4,410.4</b>	<b>163,137</b>	21.2
21' 7	16' 0	76.6%	117,094	2,788	443,250	443.25	<b>447.15</b>	365.46	23.66	9.90	<b>4,426.8</b>	<b>163,415</b>	21.0
21' 8	15' 11	76.7%	117,289	2,793	443,986	443.99	<b>447.89</b>	365.46	23.68	9.92	<b>4,443.1</b>	<b>163,686</b>	20.8
21' 9	15' 10	76.9%	117,483	2,797	444,722	444.72	<b>448.63</b>	365.46	23.70	9.94	<b>4,459.4</b>	<b>163,956</b>	20.6
21' 10	15' 9	77.0%	117,677	2,802	445,455	445.46	<b>449.37</b>	365.47	23.72	9.96	<b>4,475.7</b>	<b>164,231</b>	20.4
21' 11	15' 8	77.1%	117,870	2,806	446,188	446.19	<b>450.11</b>	365.47	23.74	9.98	<b>4,492.1</b>	<b>164,502</b>	20.1
22' 0	15' 7	77.2%	118,063	2,811	446,919	446.92	<b>450.85</b>	365.48	23.77	10.00	<b>4,508.5</b>	<b>164,777</b>	19.9

Tank		Ballast #6 PORT												
Specific Gravity		1.025												
Trim		0												
Capacity		152,859 Gallons												
Label(s)		Ball#6.p												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
22' 1	15' 6	77.4%	118,256	2,816	447,648	447.65	451.58	365.48	23.79	10.02	4,524.8	165,043	19.8	
22' 2	15' 5	77.5%	118,449	2,820	448,377	448.38	452.32	365.49	23.81	10.04	4,541.3	165,318	19.6	
22' 3	15' 4	77.6%	118,641	2,825	449,105	449.10	453.05	365.49	23.83	10.06	4,557.7	165,585	19.5	
22' 4	15' 3	77.7%	118,833	2,829	449,831	449.83	453.78	365.49	23.85	10.08	4,574.1	165,852	19.3	
22' 5	15' 2	77.9%	119,024	2,834	450,556	450.56	454.52	365.50	23.87	10.10	4,590.7	166,127	19.2	
22' 6	15' 1	78.0%	119,216	2,838	451,281	451.28	455.25	365.50	23.89	10.12	4,607.1	166,394	19.1	
22' 7	15' 0	78.1%	119,407	2,843	452,005	452.0	455.98	365.50	23.91	10.14	4,623.6	166,661	19.0	
22' 8	14' 11	78.2%	119,598	2,848	452,727	452.73	456.71	365.51	23.93	10.16	4,640.2	166,932	18.9	
22' 9	14' 10	78.4%	119,789	2,852	453,449	453.45	457.43	365.51	23.95	10.18	4,656.6	167,195	18.8	
22' 10	14' 9	78.5%	119,979	2,857	454,170	454.17	458.16	365.51	23.97	10.20	4,673.2	167,462	18.7	
22' 11	14' 8	78.6%	120,170	2,861	454,891	454.89	458.89	365.52	23.99	10.22	4,689.9	167,733	18.7	
23' 0	14' 7	78.7%	120,360	2,866	455,611	455.61	459.62	365.52	24.01	10.24	4,706.5	168,000	18.6	
23' 1	14' 6	78.9%	120,550	2,870	456,331	456.33	460.34	365.52	24.03	10.27	4,727.7	168,263	18.5	
23' 2	14' 5	79.0%	120,740	2,875	457,049	457.05	461.07	365.53	24.05	10.29	4,744.4	168,535	18.4	
23' 3	14' 4	79.1%	120,929	2,879	457,768	457.77	461.79	365.53	24.07	10.31	4,761.1	168,798	18.4	
23' 4	14' 3	79.2%	121,119	2,884	458,485	458.49	462.51	365.53	24.09	10.33	4,777.7	169,061	18.4	
23' 5	14' 2	79.4%	121,309	2,888	459,203	459.20	463.24	365.53	24.10	10.35	4,794.5	169,328	18.3	
23' 6	14' 1	79.5%	121,498	2,893	459,920	459.92	463.96	365.54	24.12	10.37	4,811.3	169,596	18.3	
23' 7	14' 0	79.6%	121,687	2,897	460,636	460.64	464.68	365.54	24.14	10.39	4,828.0	169,859	18.3	
23' 8	13' 11	79.7%	121,877	2,902	461,353	461.35	465.41	365.54	24.16	10.41	4,844.9	170,126	18.3	
23' 9	13' 10	79.9%	122,066	2,906	462,069	462.07	466.13	365.55	24.18	10.43	4,861.7	170,394	18.3	
23' 10	13' 9	80.0%	122,255	2,911	462,785	462.79	466.85	365.55	24.20	10.45	4,878.6	170,657	18.2	
23' 11	13' 8	80.1%	122,444	2,915	463,501	463.50	467.57	365.55	24.22	10.47	4,895.5	170,920	18.2	
24' 0	13' 7	80.2%	122,633	2,920	464,217	464.22	468.30	365.56	24.24	10.49	4,912.5	171,192	18.2	
24' 1	13' 6	80.4%	122,822	2,924	464,933	464.93	469.02	365.56	24.26	10.52	4,934.1	171,455	18.2	
24' 2	13' 5	80.5%	123,011	2,929	465,648	465.65	469.74	365.56	24.28	10.54	4,951.1	171,718	18.2	
24' 3	13' 4	80.6%	123,200	2,933	466,364	466.36	470.46	365.56	24.29	10.56	4,968.1	171,981	18.2	
24' 4	13' 3	80.7%	123,389	2,938	467,080	467.08	471.18	365.57	24.31	10.58	4,985.1	172,249	18.2	
24' 5	13' 2	80.8%	123,578	2,942	467,795	467.80	471.91	365.57	24.33	10.60	5,002.2	172,516	18.2	
24' 6	13' 1	81.0%	123,767	2,947	468,511	468.51	472.63	365.57	24.35	10.62	5,019.3	172,779	18.2	
24' 7	13' 0	81.1%	123,956	2,951	469,226	469.23	473.35	365.57	24.37	10.64	5,036.4	173,043	18.2	
24' 8	12' 11	81.2%	124,145	2,956	469,941	469.94	474.07	365.58	24.39	10.67	5,053.3	173,311	18.2	
24' 9	12' 10	81.3%	124,334	2,960	470,657	470.66	474.79	365.58	24.41	10.69	5,070.5	173,574	18.2	

Tank		Ballast #6 PORT												
Specific Gravity		1.025												
Trim		0												
Capacity		152,859 Gallons												
Label(s)		Ball#6.p												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
24' 10	12' 9	81.5%	124,523	2,965	471,372	471.37	475.51	365.58	24.42	10.71	5,092.7	173,837	18.2	
24' 11	12' 8	81.6%	124,712	2,969	472,087	472.09	476.24	365.59	24.44	10.73	5,110.1	174,109	18.2	
25' 0	12' 7	81.7%	124,901	2,974	472,803	472.80	476.96	365.59	24.46	10.75	5,127.3	174,372	18.2	
25' 1	12' 6	81.8%	125,090	2,978	473,518	473.52	477.68	365.59	24.48	10.77	5,144.6	174,635	18.2	
25' 2	12' 5	82.0%	125,279	2,983	474,233	474.23	478.40	365.59	24.50	10.80	5,166.7	174,898	18.2	
25' 3	12' 4	82.1%	125,468	2,987	474,948	474.95	479.12	365.60	24.52	10.82	5,184.1	175,166	18.2	
25' 4	12' 3	82.2%	125,657	2,992	475,663	475.66	479.84	365.60	24.53	10.84	5,201.5	175,430	18.2	
25' 5	12' 2	82.3%	125,846	2,996	476,378	476.38	480.57	365.60	24.55	10.86	5,219.0	175,696	18.2	
25' 6	12' 1	82.5%	126,035	3,001	477,093	477.09	481.29	365.60	24.57	10.88	5,236.4	175,960	18.2	
25' 7	12' 0	82.6%	126,224	3,005	477,808	477.81	482.01	365.61	24.59	10.91	5,258.7	176,228	18.1	
25' 8	11' 11	82.7%	126,412	3,010	478,523	478.52	482.73	365.61	24.60	10.93	5,276.2	176,491	18.2	
25' 9	11' 10	82.8%	126,601	3,014	479,238	479.24	483.45	365.61	24.62	10.95	5,293.8	176,754	18.1	
25' 10	11' 9	82.9%	126,790	3,019	479,952	479.95	484.17	365.62	24.64	10.97	5,311.3	177,022	18.1	
25' 11	11' 8	83.1%	126,979	3,023	480,667	480.67	484.89	365.62	24.66	11.00	5,333.8	177,285	18.1	
26' 0	11' 7	83.2%	127,168	3,028	481,382	481.38	485.61	365.62	24.68	11.02	5,351.4	177,549	18.1	
26' 1	11' 6	83.3%	127,356	3,032	482,096	482.10	486.33	365.62	24.69	11.04	5,369.1	177,812	18.1	
26' 2	11' 5	83.4%	127,545	3,037	482,811	482.81	487.05	365.63	24.71	11.06	5,386.8	178,080	18.1	
26' 3	11' 4	83.6%	127,734	3,041	483,525	483.53	487.78	365.63	24.73	11.09	5,409.5	178,347	18.1	
26' 4	11' 3	83.7%	127,923	3,046	484,240	484.24	488.50	365.63	24.75	11.11	5,427.2	178,610	18.1	
26' 5	11' 2	83.8%	128,111	3,050	484,954	484.95	489.22	365.63	24.76	11.13	5,445.0	178,874	18.1	
26' 6	11' 1	83.9%	128,300	3,055	485,669	485.67	489.94	365.64	24.78	11.16	5,467.7	179,142	18.1	
26' 7	11' 0	84.1%	128,489	3,059	486,383	486.38	490.66	365.64	24.80	11.18	5,485.6	179,405	18.1	
26' 8	10' 11	84.2%	128,678	3,064	487,097	487.10	491.38	365.64	24.81	11.20	5,503.5	179,668	18.1	
26' 9	10' 10	84.3%	128,866	3,068	487,812	487.81	492.10	365.64	24.83	11.22	5,521.4	179,931	18.1	
26' 10	10' 9	84.4%	129,055	3,073	488,526	488.53	492.82	365.65	24.85	11.25	5,544.2	180,200	18.1	
26' 11	10' 8	84.6%	129,244	3,077	489,240	489.24	493.54	365.65	24.87	11.27	5,562.2	180,463	18.1	
27' 0	10' 7	84.7%	129,432	3,082	489,954	489.95	494.26	365.65	24.88	11.29	5,580.2	180,726	18.1	
27' 1	10' 6	84.8%	129,621	3,086	490,668	490.67	494.98	365.65	24.90	11.32	5,603.2	180,989	18.1	
27' 2	10' 5	84.9%	129,809	3,091	491,382	491.38	495.70	365.66	24.92	11.34	5,621.2	181,258	18.1	
27' 3	10' 4	85.0%	129,998	3,095	492,096	492.10	496.42	365.66	24.93	11.36	5,639.3	181,521	18.1	
27' 4	10' 3	85.2%	130,187	3,100	492,810	492.81	497.14	365.66	24.95	11.39	5,662.4	181,784	18.1	
27' 5	10' 2	85.3%	130,375	3,104	493,524	493.52	497.86	365.66	24.97	11.41	5,680.6	182,047	18.1	
27' 6	10' 1	85.4%	130,564	3,109	494,237	494.24	498.58	365.67	24.98	11.43	5,698.8	182,316	18.1	



Tank		Ballast #6 PORT												
Specific Gravity		1.025												
Trim		0												
Capacity		152,859 Gallons												
Label(s)		Ball#6.p												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
27' 7	10' 0	85.5%	130,752	3,113	494,951	494.95	<b>499.30</b>	365.67	25.00	11.46	<b>5,722.0</b>	<b>182,579</b>	18.1	
27' 8	9' 11	85.7%	130,941	3,118	495,665	495.66	<b>500.02</b>	365.67	25.02	11.48	<b>5,740.2</b>	<b>182,842</b>	18.1	
27' 9	9' 10	85.8%	131,129	3,122	496,378	496.38	<b>500.74</b>	365.67	25.03	11.50	<b>5,758.5</b>	<b>183,106</b>	18.1	
27' 10	9' 9	85.9%	131,318	3,127	497,092	497.09	<b>501.46</b>	365.68	25.05	11.53	<b>5,781.8</b>	<b>183,374</b>	18.0	
27' 11	9' 8	86.0%	131,506	3,131	497,805	497.81	<b>502.18</b>	365.68	25.07	11.55	<b>5,800.2</b>	<b>183,637</b>	18.0	
28' 0	9' 7	86.2%	131,695	3,136	498,519	498.52	<b>502.90</b>	365.68	25.08	11.58	<b>5,823.6</b>	<b>183,900</b>	18.0	
28' 1	9' 6	86.3%	131,883	3,140	499,233	499.23	<b>503.62</b>	365.68	25.10	11.60	<b>5,842.0</b>	<b>184,164</b>	18.0	
28' 2	9' 5	86.4%	132,072	3,145	499,946	499.95	<b>504.34</b>	365.69	25.11	11.62	<b>5,860.4</b>	<b>184,432</b>	18.0	
28' 3	9' 4	86.5%	132,260	3,149	500,659	500.66	<b>505.06</b>	365.69	25.13	11.65	<b>5,883.9</b>	<b>184,695</b>	18.0	
28' 4	9' 3	86.6%	132,449	3,154	501,372	501.37	<b>505.78</b>	365.69	25.15	11.67	<b>5,902.5</b>	<b>184,959</b>	18.0	
28' 5	9' 2	86.8%	132,637	3,158	502,086	502.09	<b>506.50</b>	365.69	25.16	11.70	<b>5,926.1</b>	<b>185,222</b>	18.0	
28' 6	9' 1	86.9%	132,825	3,163	502,799	502.80	<b>507.22</b>	365.69	25.18	11.72	<b>5,944.6</b>	<b>185,485</b>	18.0	
28' 7	9' 0	87.0%	133,014	3,167	503,512	503.51	<b>507.94</b>	365.70	25.19	11.74	<b>5,963.2</b>	<b>185,754</b>	18.0	
28' 8	8' 11	87.1%	133,202	3,171	504,225	504.23	<b>508.66</b>	365.70	25.21	11.77	<b>5,986.9</b>	<b>186,017</b>	18.0	
28' 9	8' 10	87.3%	133,391	3,176	504,938	504.94	<b>509.38</b>	365.70	25.23	11.79	<b>6,005.6</b>	<b>186,280</b>	18.0	
28' 10	8' 9	87.4%	133,579	3,180	505,652	505.65	<b>510.10</b>	365.70	25.24	11.82	<b>6,029.4</b>	<b>186,544</b>	18.0	
28' 11	8' 8	87.5%	133,767	3,185	506,364	506.36	<b>510.81</b>	365.71	25.26	11.84	<b>6,048.0</b>	<b>186,808</b>	18.0	
29' 0	8' 7	87.6%	133,956	3,189	507,077	507.08	<b>511.53</b>	365.71	25.27	11.87	<b>6,071.9</b>	<b>187,072</b>	18.0	
29' 1	8' 6	87.8%	134,144	3,194	507,790	507.79	<b>512.25</b>	365.71	25.29	11.89	<b>6,090.7</b>	<b>187,335</b>	18.0	
29' 2	8' 5	87.9%	134,332	3,198	508,503	508.50	<b>512.97</b>	365.71	25.31	11.91	<b>6,109.5</b>	<b>187,598</b>	18.0	
29' 3	8' 4	88.0%	134,521	3,203	509,216	509.22	<b>513.69</b>	365.72	25.32	11.94	<b>6,133.5</b>	<b>187,867</b>	18.0	
29' 4	8' 3	88.1%	134,709	3,207	509,929	509.93	<b>514.41</b>	365.72	25.34	11.96	<b>6,152.3</b>	<b>188,130</b>	18.0	
29' 5	8' 2	88.2%	134,897	3,212	510,641	510.64	<b>515.13</b>	365.72	25.35	11.99	<b>6,176.4</b>	<b>188,393</b>	18.0	
29' 6	8' 1	88.4%	135,085	3,216	511,354	511.35	<b>515.85</b>	365.72	25.37	12.01	<b>6,195.4</b>	<b>188,657</b>	18.0	
29' 7	8' 0	88.5%	135,274	3,221	512,066	512.07	<b>516.57</b>	365.73	25.38	12.04	<b>6,219.5</b>	<b>188,925</b>	18.0	
29' 8	7' 11	88.6%	135,462	3,225	512,779	512.78	<b>517.29</b>	365.73	25.40	12.06	<b>6,238.5</b>	<b>189,188</b>	18.0	
29' 9	7' 10	88.7%	135,650	3,230	513,491	513.49	<b>518.0</b>	365.73	25.41	12.09	<b>6,262.6</b>	<b>189,448</b>	18.0	
29' 10	7' 9	88.9%	135,838	3,234	514,204	514.20	<b>518.72</b>	365.73	25.43	12.11	<b>6,281.7</b>	<b>189,711</b>	18.0	
29' 11	7' 8	89.0%	136,027	3,239	514,916	514.92	<b>519.44</b>	365.73	25.45	12.14	<b>6,306.0</b>	<b>189,975</b>	18.0	
30' 0	7' 7	89.1%	136,215	3,243	515,629	515.63	<b>520.16</b>	365.74	25.46	12.16	<b>6,325.1</b>	<b>190,243</b>	18.0	
30' 1	7' 6	89.2%	136,403	3,248	516,341	516.34	<b>520.88</b>	365.74	25.48	12.19	<b>6,349.5</b>	<b>190,507</b>	17.9	
30' 2	7' 5	89.4%	136,591	3,252	517,053	517.05	<b>521.60</b>	365.74	25.49	12.21	<b>6,368.7</b>	<b>190,770</b>	17.9	
30' 3	7' 4	89.5%	136,779	3,257	517,766	517.77	<b>522.32</b>	365.74	25.51	12.24	<b>6,393.2</b>	<b>191,033</b>	17.9	

Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
30' 4	7' 3	89.6%	136,967	3,261	518,478	518.48	<b>523.03</b>	365.75	25.52	12.26	<b>6,412.3</b>	<b>191,298</b>	17.9
30' 5	7' 2	89.7%	137,155	3,266	519,190	519.19	<b>523.75</b>	365.75	25.54	12.29	<b>6,436.9</b>	<b>191,562</b>	17.9
30' 6	7' 1	89.9%	137,344	3,270	519,902	519.90	<b>524.47</b>	365.75	25.55	12.31	<b>6,456.2</b>	<b>191,825</b>	17.9
30' 7	7' 0	90.0%	137,532	3,275	520,614	520.61	<b>525.19</b>	365.75	25.57	12.34	<b>6,480.8</b>	<b>192,088</b>	17.9
30' 8	6' 11	90.1%	137,720	3,279	521,326	521.33	<b>525.91</b>	365.75	25.58	12.36	<b>6,500.2</b>	<b>192,352</b>	17.9
30' 9	6' 10	90.2%	137,908	3,284	522,038	522.04	<b>526.63</b>	365.76	25.60	12.39	<b>6,524.9</b>	<b>192,620</b>	17.9
30' 10	6' 9	90.3%	138,096	3,288	522,749	522.75	<b>527.34</b>	365.76	25.61	12.41	<b>6,544.3</b>	<b>192,880</b>	17.9
30' 11	6' 8	90.5%	138,284	3,292	523,461	523.46	<b>528.06</b>	365.76	25.63	12.44	<b>6,569.1</b>	<b>193,143</b>	17.9
31' 0	6' 7	90.6%	138,472	3,297	524,173	524.17	<b>528.78</b>	365.76	25.64	12.46	<b>6,588.6</b>	<b>193,407</b>	17.9
31' 1	6' 6	90.7%	138,660	3,301	524,885	524.88	<b>529.50</b>	365.77	25.66	12.49	<b>6,613.5</b>	<b>193,675</b>	17.9
31' 2	6' 5	90.8%	138,848	3,306	525,596	525.60	<b>530.22</b>	365.77	25.67	12.51	<b>6,633.1</b>	<b>193,939</b>	17.9
31' 3	6' 4	91.0%	139,036	3,310	526,308	526.31	<b>530.93</b>	365.77	25.68	12.54	<b>6,657.9</b>	<b>194,198</b>	17.9
31' 4	6' 3	91.1%	139,224	3,315	527,020	527.02	<b>531.65</b>	365.77	25.70	12.57	<b>6,682.8</b>	<b>194,462</b>	17.9
31' 5	6' 2	91.2%	139,412	3,319	527,731	527.73	<b>532.37</b>	365.77	25.71	12.59	<b>6,702.5</b>	<b>194,725</b>	17.9
31' 6	6' 1	91.3%	139,600	3,324	528,442	528.44	<b>533.09</b>	365.78	25.73	12.62	<b>6,727.6</b>	<b>194,994</b>	17.9
31' 7	6' 0	91.4%	139,788	3,328	529,154	529.15	<b>533.80</b>	365.78	25.74	12.64	<b>6,747.2</b>	<b>195,253</b>	17.9
31' 8	5' 11	91.6%	139,976	3,333	529,865	529.87	<b>534.52</b>	365.78	25.76	12.67	<b>6,772.4</b>	<b>195,517</b>	17.9
31' 9	5' 10	91.7%	140,164	3,337	530,577	530.58	<b>535.24</b>	365.78	25.77	12.69	<b>6,792.2</b>	<b>195,780</b>	17.9
31' 10	5' 9	91.8%	140,351	3,342	531,288	531.29	<b>535.96</b>	365.78	25.79	12.72	<b>6,817.4</b>	<b>196,043</b>	17.9
31' 11	5' 8	91.9%	140,539	3,346	531,999	532.0	<b>536.67</b>	365.79	25.80	12.75	<b>6,842.5</b>	<b>196,309</b>	17.9
32' 0	5' 7	92.1%	140,727	3,351	532,710	532.71	<b>537.39</b>	365.79	25.81	12.77	<b>6,862.5</b>	<b>196,572</b>	17.9
32' 1	5' 6	92.2%	140,915	3,355	533,421	533.42	<b>538.11</b>	365.79	25.83	12.80	<b>6,887.8</b>	<b>196,835</b>	17.9
32' 2	5' 5	92.3%	141,103	3,360	534,133	534.13	<b>538.83</b>	365.79	25.84	12.82	<b>6,907.8</b>	<b>197,099</b>	17.9
32' 3	5' 4	92.4%	141,291	3,364	534,843	534.84	<b>539.54</b>	365.79	25.86	12.85	<b>6,933.1</b>	<b>197,358</b>	17.9
32' 4	5' 3	92.6%	141,479	3,369	535,555	535.55	<b>540.26</b>	365.80	25.87	12.88	<b>6,958.5</b>	<b>197,627</b>	17.8
32' 5	5' 2	92.7%	141,666	3,373	536,265	536.27	<b>540.98</b>	365.80	25.89	12.90	<b>6,978.6</b>	<b>197,890</b>	17.8
32' 6	5' 1	92.8%	141,854	3,377	536,976	536.98	<b>541.70</b>	365.80	25.90	12.93	<b>7,004.2</b>	<b>198,154</b>	17.8
32' 7	5' 0	92.9%	142,042	3,382	537,687	537.69	<b>542.41</b>	365.80	25.91	12.95	<b>7,024.2</b>	<b>198,414</b>	17.8
32' 8	4' 11	93.0%	142,230	3,386	538,398	538.40	<b>543.13</b>	365.81	25.93	12.98	<b>7,049.8</b>	<b>198,682</b>	17.8
32' 9	4' 10	93.2%	142,418	3,391	539,109	539.11	<b>543.85</b>	365.81	25.94	13.01	<b>7,075.5</b>	<b>198,946</b>	17.8
32' 10	4' 9	93.3%	142,605	3,395	539,819	539.82	<b>544.56</b>	365.81	25.96	13.03	<b>7,095.6</b>	<b>199,205</b>	17.8
32' 11	4' 8	93.4%	142,793	3,400	540,530	540.53	<b>545.28</b>	365.81	25.97	13.06	<b>7,121.4</b>	<b>199,469</b>	17.8
33' 0	4' 7	93.5%	142,981	3,404	541,241	541.24	<b>546.0</b>	365.81	25.98	13.09	<b>7,147.1</b>	<b>199,732</b>	17.8

Tank		Ballast #6 PORT												
Specific Gravity		1.025												
Trim		0												
Capacity		152,859 Gallons												
Label(s)		Ball#6.p												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
33' 1	4' 6	93.7%	143,168	3,409	541,951	541.95	<b>546.71</b>	365.82	26.00	13.11	<b>7,167.4</b>	<b>199,997</b>	17.8	
33' 2	4' 5	93.8%	143,356	3,413	542,662	542.66	<b>547.43</b>	365.82	26.01	13.14	<b>7,193.2</b>	<b>200,261</b>	17.8	
33' 3	4' 4	93.9%	143,544	3,418	543,372	543.37	<b>548.15</b>	365.82	26.02	13.17	<b>7,219.1</b>	<b>200,524</b>	17.8	
33' 4	4' 3	94.0%	143,731	3,422	544,083	544.08	<b>548.86</b>	365.82	26.04	13.19	<b>7,239.5</b>	<b>200,784</b>	17.8	
33' 5	4' 2	94.2%	143,919	3,427	544,793	544.79	<b>549.58</b>	365.82	26.05	13.22	<b>7,265.4</b>	<b>201,047</b>	17.8	
33' 6	4' 1	94.3%	144,107	3,431	545,503	545.50	<b>550.30</b>	365.83	26.07	13.25	<b>7,291.5</b>	<b>201,316</b>	17.8	
33' 7	4' 0	94.4%	144,294	3,436	546,214	546.21	<b>551.01</b>	365.83	26.08	13.27	<b>7,311.9</b>	<b>201,576</b>	17.8	
33' 8	3' 11	94.5%	144,482	3,440	546,923	546.92	<b>551.73</b>	365.83	26.09	13.30	<b>7,338.0</b>	<b>201,839</b>	17.8	
33' 9	3' 10	94.6%	144,670	3,445	547,634	547.63	<b>552.45</b>	365.83	26.11	13.33	<b>7,364.2</b>	<b>202,103</b>	17.8	
33' 10	3' 9	94.8%	144,857	3,449	548,344	548.34	<b>553.16</b>	365.83	26.12	13.35	<b>7,384.7</b>	<b>202,363</b>	17.8	
33' 11	3' 8	94.9%	145,045	3,453	549,054	549.05	<b>553.88</b>	365.84	26.13	13.38	<b>7,410.9</b>	<b>202,631</b>	17.8	
34' 0	3' 7	95.0%	145,232	3,458	549,764	549.76	<b>554.60</b>	365.84	26.15	13.41	<b>7,437.2</b>	<b>202,895</b>	17.8	
34' 1	3' 6	95.1%	145,420	3,462	550,474	550.47	<b>555.31</b>	365.84	26.16	13.43	<b>7,457.8</b>	<b>203,155</b>	17.8	
34' 2	3' 5	95.3%	145,607	3,467	551,184	551.18	<b>556.03</b>	365.84	26.17	13.46	<b>7,484.2</b>	<b>203,418</b>	17.8	
34' 3	3' 4	95.4%	145,795	3,471	551,894	551.89	<b>556.74</b>	365.84	26.19	13.49	<b>7,510.4</b>	<b>203,678</b>	17.8	
34' 4	3' 3	95.5%	145,982	3,476	552,603	552.60	<b>557.46</b>	365.85	26.20	13.51	<b>7,531.3</b>	<b>203,947</b>	17.8	
34' 5	3' 2	95.6%	146,170	3,480	553,313	553.31	<b>558.18</b>	365.85	26.21	13.54	<b>7,557.8</b>	<b>204,210</b>	17.8	
34' 6	3' 1	95.7%	146,357	3,485	554,023	554.02	<b>558.89</b>	365.85	26.23	13.57	<b>7,584.1</b>	<b>204,470</b>	17.8	
34' 7	3' 0	95.9%	146,545	3,489	554,733	554.73	<b>559.61</b>	365.85	26.24	13.60	<b>7,610.7</b>	<b>204,733</b>	17.8	
34' 8	2' 11	96.0%	146,732	3,494	555,443	555.44	<b>560.32</b>	365.85	26.25	13.62	<b>7,631.6</b>	<b>204,993</b>	17.7	
34' 9	2' 10	96.1%	146,920	3,498	556,152	556.15	<b>561.04</b>	365.85	26.27	13.65	<b>7,658.2</b>	<b>205,256</b>	17.7	
34' 10	2' 9	96.2%	147,107	3,503	556,861	556.86	<b>561.76</b>	365.86	26.28	13.68	<b>7,684.9</b>	<b>205,526</b>	17.7	
34' 11	2' 8	96.4%	147,295	3,507	557,571	557.57	<b>562.47</b>	365.86	26.29	13.70	<b>7,705.8</b>	<b>205,785</b>	17.7	
35' 0	2' 7	96.5%	147,482	3,511	558,280	558.28	<b>563.19</b>	365.86	26.30	13.73	<b>7,732.6</b>	<b>206,049</b>	17.7	
35' 1	2' 6	96.6%	147,670	3,516	558,990	558.99	<b>563.90</b>	365.86	26.32	13.76	<b>7,759.3</b>	<b>206,308</b>	17.7	
35' 2	2' 5	96.7%	147,857	3,520	559,699	559.70	<b>564.62</b>	365.86	26.33	13.79	<b>7,786.1</b>	<b>206,572</b>	17.7	
35' 3	2' 4	96.9%	148,044	3,525	560,408	560.41	<b>565.33</b>	365.87	26.34	13.81	<b>7,807.2</b>	<b>206,837</b>	17.7	
35' 4	2' 3	97.0%	148,232	3,529	561,118	561.12	<b>566.05</b>	365.87	26.36	13.84	<b>7,834.1</b>	<b>207,101</b>	17.7	
35' 5	2' 2	97.1%	148,419	3,534	561,827	561.83	<b>566.76</b>	365.87	26.37	13.87	<b>7,861.0</b>	<b>207,360</b>	17.7	
35' 6	2' 1	97.2%	148,606	3,538	562,536	562.54	<b>567.48</b>	365.87	26.38	13.90	<b>7,888.0</b>	<b>207,624</b>	17.7	
35' 7	2' 0	97.3%	148,794	3,543	563,245	563.25	<b>568.20</b>	365.87	26.39	13.92	<b>7,909.3</b>	<b>207,887</b>	17.7	
35' 8	1' 11	97.5%	148,981	3,547	563,954	563.95	<b>568.91</b>	365.88	26.41	13.95	<b>7,936.3</b>	<b>208,153</b>	17.7	
35' 9	1' 10	97.6%	149,168	3,552	564,663	564.66	<b>569.63</b>	365.88	26.42	13.98	<b>7,963.4</b>	<b>208,416</b>	17.7	

Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
35' 10	1' 9	97.7%	149,356	3,556	565,372	565.37	<b>570.34</b>	365.88	26.43	14.01	<b>7,990.5</b>	<b>208,676</b>	17.7
35' 11	1' 8	97.8%	149,543	3,561	566,081	566.08	<b>571.06</b>	365.88	26.44	14.03	<b>8,012.0</b>	<b>208,939</b>	17.7
36' 0	1' 7	98.0%	149,730	3,565	566,790	566.79	<b>571.77</b>	365.88	26.46	14.06	<b>8,039.1</b>	<b>209,199</b>	17.7
36' 1	1' 6	98.1%	149,917	3,569	567,499	567.50	<b>572.49</b>	365.88	26.47	14.09	<b>8,066.4</b>	<b>209,463</b>	17.7
36' 2	1' 5	98.2%	150,105	3,574	568,207	568.21	<b>573.20</b>	365.89	26.48	14.12	<b>8,093.6</b>	<b>209,728</b>	17.7
36' 3	1' 4	98.3%	150,292	3,578	568,916	568.92	<b>573.92</b>	365.89	26.50	14.14	<b>8,115.2</b>	<b>209,992</b>	17.7
36' 4	1' 3	98.4%	150,479	3,583	569,625	569.62	<b>574.63</b>	365.89	26.51	14.17	<b>8,142.5</b>	<b>210,251</b>	17.7
36' 5	1' 2	98.6%	150,666	3,587	570,333	570.33	<b>575.35</b>	365.89	26.52	14.20	<b>8,170.0</b>	<b>210,515</b>	17.6
36' 6	1' 1	98.7%	150,853	3,592	571,039	571.04	<b>576.06</b>	365.89	26.53	14.23	<b>8,197.3</b>	<b>210,775</b>	17.4
36' 7	1' 0	98.8%	151,039	3,596	571,743	571.74	<b>576.77</b>	365.89	26.54	14.26	<b>8,224.7</b>	<b>211,034</b>	17.2
36' 8	0' 11	98.9%	151,224	3,601	572,444	572.44	<b>577.48</b>	365.90	26.56	14.28	<b>8,246.4</b>	<b>211,300</b>	17.0
36' 9	0' 10	99.1%	151,408	3,605	573,142	573.14	<b>578.18</b>	365.90	26.57	14.31	<b>8,273.8</b>	<b>211,556</b>	16.8
36' 10	0' 9	99.2%	151,592	3,609	573,836	573.84	<b>578.88</b>	365.90	26.58	14.34	<b>8,301.1</b>	<b>211,812</b>	16.5
36' 11	0' 8	99.3%	151,774	3,614	574,526	574.53	<b>579.58</b>	365.90	26.59	14.37	<b>8,328.6</b>	<b>212,068</b>	15.9
37' 0	0' 7	99.4%	151,953	3,618	575,205	575.20	<b>580.26</b>	365.90	26.60	14.39	<b>8,349.9</b>	<b>212,317</b>	15.2
37' 1	0' 6	99.5%	152,130	3,622	575,873	575.87	<b>580.93</b>	365.90	26.62	14.42	<b>8,377.0</b>	<b>212,562</b>	14.5
37' 2	0' 5	99.6%	152,303	3,626	576,530	576.53	<b>581.60</b>	365.91	26.63	14.45	<b>8,404.1</b>	<b>212,813</b>	13.7
37' 3	0' 4	99.7%	152,473	3,630	577,174	577.17	<b>582.25</b>	365.91	26.64	14.47	<b>8,425.2</b>	<b>213,051</b>	12.7
37' 4	0' 3	99.9%	152,636	3,634	577,789	577.79	<b>582.87</b>	365.91	26.65	14.50	<b>8,451.6</b>	<b>213,278</b>	10.7
37' 5	0' 2	100.0%	152,791	3,638	578,375	578.38	<b>583.46</b>	365.91	26.66	14.52	<b>8,471.8</b>	<b>213,494</b>	9.2
37' 5 1/2	0' 1	100.0%	152,859	3,639	578,632	578.63	<b>583.72</b>	365.91	26.66	14.53	<b>8,481.5</b>	<b>213,589</b>	1.9

Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
0' 1	37' 5 1/2	0	70	2	265	0	0	338	18	0	0	91	423
0' 2	37' 5	0	158	4	597	1	1	338	18	0	0	203	583
0' 3	37' 4	0	274	7	1038	1	1	339	18	0	0	355	767
0' 4	37' 3	0	416	10	1575	2	2	339	18	0	1	539	916
0' 5	37' 2	0	581	14	2199	2	2	339	18	0	1	753	1028
0' 6	37' 1	0	767	18	2902	3	3	340	18	1	1	995	1165
0' 7	37' 0	0	973	23	3682	4	4	340	18	1	2	1261	1289
0' 8	36' 11	0	1198	29	4533	5	5	340	18	1	3	1554	1394
0' 9	36' 10	0	1440	34	5452	5	6	340	18	1	4	1872	1488
0' 10	36' 9	0	1700	40	6435	6	6	341	18	1	5	2210	1607
0' 11	36' 8	0	1976	47	7480	7	8	341	18	1	6	2573	1695
1' 0	36' 7	0	2267	54	8583	9	9	341	18	1	7	2953	1783
1' 1	36' 6	0	2574	61	9743	10	10	341	18	1	9	3355	1893
1' 2	36' 5	0	2895	69	10958	11	11	341	18	1	10	3773	1979
1' 3	36' 4	0	3230	77	12226	12	12	342	18	1	12	4213	2062
1' 4	36' 3	0	3578	85	13545	14	14	342	18	1	14	4670	2143
1' 5	36' 2	0	3940	94	14914	15	15	342	18	1	16	5148	2222
1' 6	36' 1	0	4314	103	16332	16	16	342	18	1	19	5641	2303
1' 7	36' 0	0	4701	112	17797	18	18	342	18	1	21	6147	2375
1' 8	35' 11	0	5100	121	19307	19	19	343	18	1	24	6674	2447
1' 9	35' 10	0	5510	131	20859	21	21	343	18	1	27	7213	2515
1' 10	35' 9	0	5931	141	22452	22	23	343	18	1	30	7768	2583
1' 11	35' 8	0	6362	151	24083	24	24	343	18	1	34	8335	2630
2' 0	35' 7	0	6802	162	25749	26	26	343	18	1	37	8919	2693
2' 1	35' 6	0	7252	173	27451	27	28	343	18	1	41	9510	2755
2' 2	35' 5	0	7710	184	29186	29	29	344	18	2	45	10116	2816
2' 3	35' 4	0	8178	195	30956	31	31	344	18	2	50	10735	2858
2' 4	35' 3	0	8653	206	32755	33	33	344	18	2	54	11362	2916
2' 5	35' 2	0	9137	218	34586	35	35	344	18	2	59	12003	2975
2' 6	35' 1	0	9630	229	36452	36	37	344	18	2	64	12654	3017
2' 7	35' 0	0	10130	241	38345	38	39	344	18	2	69	13317	3074
2' 8	34' 11	0	10638	253	40270	40	41	344	18	2	75	13990	3126
2' 9	34' 10	0	11156	266	42230	42	43	345	18	2	81	14677	3172

Tank		Ballast #6 STBD												
Specific Gravity		1.025												
Trim		0												
Capacity		160,044 Gallons												
Label(s)		Ball#6.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
2' 10	34' 9	0	11682	278	44220	44	45	345	18	2	87	15375	3231	
2' 11	34' 8	0	12215	291	46238	46	47	345	18	2	93	16081	3278	
3' 0	34' 7	0	12757	304	48292	48	49	345	18	2	99	16804	3326	
3' 1	34' 6	8.3%	13,308	317	50,376	50.38	50.82	345.02	18.39	2.09	106.2	17,534	3,386.2	
3' 2	34' 5	8.7%	13,866	330	52,488	52.49	52.95	345.13	18.39	2.14	113.3	18,275	3,429.6	
3' 3	34' 4	9.0%	14,433	344	54,635	54.64	55.12	345.25	18.39	2.19	120.7	19,030	3,476.7	
3' 4	34' 3	9.4%	15,009	357	56,814	56.81	57.31	345.37	18.39	2.24	128.4	19,793	3,538.3	
3' 5	34' 2	9.7%	15,595	371	59,032	59.03	59.55	345.48	18.39	2.29	136.4	20,573	3,579.7	
3' 6	34' 1	10.1%	16,185	385	61,266	61.27	61.80	345.60	18.39	2.34	144.6	21,358	3,615.0	
3' 7	34' 0	10.5%	16,784	400	63,535	63.54	64.09	345.71	18.39	2.40	153.8	22,157	3,689.5	
3' 8	33' 11	10.9%	17,395	414	65,848	65.85	66.43	345.83	18.39	2.45	162.8	22,973	3,733.0	
3' 9	33' 10	11.3%	18,009	429	68,173	68.17	68.77	345.94	18.39	2.50	171.9	23,790	3,766.9	
3' 10	33' 9	11.6%	18,633	444	70,535	70.54	71.16	346.05	18.39	2.55	181.5	24,625	3,839.5	
3' 11	33' 8	12.0%	19,269	459	72,942	72.94	73.58	346.16	18.39	2.60	191.3	25,470	3,884.3	
4' 0	33' 7	12.4%	19,908	474	75,359	75.36	76.02	346.27	18.38	2.65	201.5	26,323	3,917.4	
4' 1	33' 6	12.8%	20,556	489	77,814	77.81	78.50	346.38	18.38	2.70	212.0	27,191	3,983.5	
4' 2	33' 5	13.3%	21,216	505	80,313	80.31	81.02	346.49	18.38	2.75	222.8	28,073	4,031.7	
4' 3	33' 4	13.7%	21,879	521	82,823	82.82	83.55	346.60	18.38	2.80	233.9	28,958	4,067.4	
4' 4	33' 3	14.1%	22,553	537	85,373	85.37	86.12	346.71	18.38	2.85	245.4	29,859	4,130.7	
4' 5	33' 2	14.5%	23,237	553	87,963	87.96	88.74	346.82	18.38	2.90	257.3	30,777	4,178.9	
4' 6	33' 1	14.9%	23,925	570	90,567	90.57	91.36	346.93	18.38	2.95	269.5	31,696	4,217.1	
4' 7	33' 0	15.4%	24,623	586	93,210	93.21	94.03	347.04	18.37	3.01	283.0	32,632	4,276.4	
4' 8	32' 11	15.8%	25,331	603	95,890	95.89	96.73	347.15	18.37	3.06	296.0	33,580	4,324.9	
4' 9	32' 10	16.3%	26,044	620	98,588	98.59	99.45	347.25	18.37	3.11	309.3	34,534	4,366.7	
4' 10	32' 9	16.7%	26,767	637	101,324	101.32	102.21	347.36	18.37	3.16	323.0	35,504	4,422.5	
4' 11	32' 8	17.2%	27,499	655	104,095	104.09	105.01	347.47	18.37	3.21	337.1	36,488	4,470.5	
5' 0	32' 7	17.6%	28,236	672	106,887	106.89	107.83	347.58	18.37	3.26	351.5	37,480	4,515.3	
5' 1	32' 6	18.1%	28,984	690	109,716	109.72	110.68	347.69	18.36	3.31	366.4	38,482	4,570.6	
5' 2	32' 5	18.6%	29,740	708	112,578	112.58	113.57	347.79	18.36	3.36	381.6	39,499	4,616.4	
5' 3	32' 4	19.1%	30,502	726	115,464	115.46	116.48	347.90	18.36	3.42	398.4	40,523	4,663.7	
5' 4	32' 3	19.5%	31,274	745	118,387	118.39	119.43	348.01	18.36	3.47	414.4	41,563	4,717.4	
5' 5	32' 2	20.0%	32,054	763	121,339	121.34	122.41	348.11	18.36	3.52	430.9	42,612	4,755.8	
5' 6	32' 1	20.5%	32,840	782	124,311	124.31	125.40	348.22	18.36	3.57	447.7	43,667	4,755.9	

Tank		Ballast #6 STBD											
Specific Gravity		1.025											
Trim		0											
Capacity		160,044 Gallons											
Label(s)		Ball#6.s											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
5' 7	32' 0	21.0%	33,629	801	127,298	127.30	<b>128.42</b>	348.33	18.36	3.62	<b>464.9</b>	<b>44,733</b>	4,738.9
5' 8	31' 11	21.5%	34,416	819	130,277	130.28	<b>131.42</b>	348.44	18.36	3.67	<b>482.3</b>	<b>45,792</b>	4,704.7
5' 9	31' 10	22.0%	35,198	838	133,239	133.24	<b>134.41</b>	348.56	18.37	3.72	<b>500.0</b>	<b>46,850</b>	4,677.9
5' 10	31' 9	22.5%	35,974	857	136,175	136.18	<b>137.37</b>	348.68	18.38	3.77	<b>517.9</b>	<b>47,898</b>	4,644.2
5' 11	31' 8	23.0%	36,737	875	139,066	139.07	<b>140.29</b>	348.80	18.39	3.82	<b>535.9</b>	<b>48,933</b>	4,588.1
6' 0	31' 7	23.4%	37,488	893	141,909	141.91	<b>143.16</b>	348.93	18.41	3.87	<b>554.0</b>	<b>49,953</b>	4,538.2
6' 1	31' 6	23.9%	38,227	910	144,703	144.70	<b>145.98</b>	349.06	18.42	3.91	<b>570.8</b>	<b>50,956</b>	4,480.9
6' 2	31' 5	24.3%	38,951	927	147,446	147.45	<b>148.74</b>	349.20	18.44	3.96	<b>589.0</b>	<b>51,940</b>	4,416.7
6' 3	31' 4	24.8%	39,663	944	150,140	150.14	<b>151.46</b>	349.34	18.45	4.00	<b>605.8</b>	<b>52,911</b>	4,365.2
6' 4	31' 3	25.2%	40,361	961	152,784	152.78	<b>154.13</b>	349.48	18.47	4.05	<b>624.2</b>	<b>53,865</b>	4,303.7
6' 5	31' 2	25.6%	41,046	977	155,377	155.38	<b>156.74</b>	349.62	18.49	4.09	<b>641.1</b>	<b>54,799</b>	4,222.3
6' 6	31' 1	26.1%	41,719	993	157,924	157.92	<b>159.31</b>	349.76	18.51	4.13	<b>658.0</b>	<b>55,720</b>	4,173.5
6' 7	31' 0	26.5%	42,378	1,009	160,418	160.42	<b>161.83</b>	349.91	18.53	4.17	<b>674.8</b>	<b>56,626</b>	4,107.1
6' 8	30' 11	26.9%	43,024	1,024	162,864	162.86	<b>164.30</b>	350.05	18.55	4.21	<b>691.7</b>	<b>57,513</b>	4,039.8
6' 9	30' 10	27.3%	43,660	1,040	165,270	165.27	<b>166.72</b>	350.20	18.57	4.25	<b>708.6</b>	<b>58,385</b>	4,041.3
6' 10	30' 9	27.7%	44,285	1,054	167,636	167.64	<b>169.11</b>	350.35	18.59	4.29	<b>725.5</b>	<b>59,248</b>	4,021.6
6' 11	30' 8	28.1%	44,904	1,069	169,979	169.98	<b>171.47</b>	350.49	18.61	4.33	<b>742.5</b>	<b>60,099</b>	4,011.8
7' 0	30' 7	28.4%	45,520	1,084	172,311	172.31	<b>173.83</b>	350.64	18.63	4.37	<b>759.6</b>	<b>60,952</b>	4,023.5
7' 1	30' 6	28.8%	46,132	1,098	174,627	174.63	<b>176.16</b>	350.79	18.65	4.41	<b>776.9</b>	<b>61,795</b>	4,029.1
7' 2	30' 5	29.2%	46,744	1,113	176,945	176.95	<b>178.50</b>	350.93	18.67	4.44	<b>792.5</b>	<b>62,641</b>	4,023.9
7' 3	30' 4	29.6%	47,358	1,128	179,269	179.27	<b>180.84</b>	351.08	18.68	4.48	<b>810.2</b>	<b>63,489</b>	4,042.4
7' 4	30' 3	30.0%	47,970	1,142	181,585	181.58	<b>183.18</b>	351.23	18.70	4.52	<b>828.0</b>	<b>64,338</b>	4,050.0
7' 5	30' 2	30.4%	48,582	1,157	183,904	183.90	<b>185.52</b>	351.38	18.72	4.56	<b>846.0</b>	<b>65,188</b>	4,045.9
7' 6	30' 1	30.7%	49,196	1,171	186,227	186.23	<b>187.86</b>	351.53	18.74	4.60	<b>864.2</b>	<b>66,038</b>	4,060.8
7' 7	30' 0	31.1%	49,808	1,186	188,545	188.54	<b>190.20</b>	351.67	18.75	4.64	<b>882.5</b>	<b>66,888</b>	4,053.0
7' 8	29' 11	31.5%	50,421	1,200	190,864	190.86	<b>192.54</b>	351.82	18.77	4.68	<b>901.1</b>	<b>67,739</b>	4,070.2
7' 9	29' 10	31.9%	51,034	1,215	193,186	193.19	<b>194.88</b>	351.97	18.79	4.72	<b>919.8</b>	<b>68,592</b>	4,078.2
7' 10	29' 9	32.3%	51,647	1,230	195,505	195.50	<b>197.22</b>	352.12	18.80	4.75	<b>936.8</b>	<b>69,445</b>	4,070.1
7' 11	29' 8	32.7%	52,260	1,244	197,826	197.83	<b>199.56</b>	352.27	18.82	4.79	<b>955.9</b>	<b>70,299</b>	4,094.9
8' 0	29' 7	33.0%	52,874	1,259	200,148	200.15	<b>201.91</b>	352.41	18.83	4.83	<b>975.2</b>	<b>71,155</b>	4,099.6
8' 1	29' 6	33.4%	53,487	1,273	202,469	202.47	<b>204.25</b>	352.56	18.85	4.87	<b>994.7</b>	<b>72,010</b>	4,090.5
8' 2	29' 5	33.8%	54,101	1,288	204,793	204.79	<b>206.59</b>	352.71	18.87	4.91	<b>1,014.4</b>	<b>72,866</b>	4,100.0
8' 3	29' 4	34.2%	54,715	1,303	207,118	207.12	<b>208.94</b>	352.86	18.88	4.95	<b>1,034.3</b>	<b>73,727</b>	4,123.3

Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
8' 4	29' 3	34.6%	55,329	1,317	209,442	209.44	<b>211.28</b>	353.01	18.90	4.99	<b>1,054.3</b>	<b>74,584</b>	4,114.4
8' 5	29' 2	35.0%	55,944	1,332	211,770	211.77	<b>213.63</b>	353.16	18.91	5.03	<b>1,074.6</b>	<b>75,446</b>	4,126.4
8' 6	29' 1	35.3%	56,559	1,347	214,098	214.10	<b>215.98</b>	353.31	18.93	5.07	<b>1,095.0</b>	<b>76,308</b>	4,148.7
8' 7	29' 0	35.7%	57,173	1,361	216,424	216.42	<b>218.33</b>	353.46	18.94	5.11	<b>1,115.7</b>	<b>77,171</b>	4,121.4
8' 8	28' 11	36.1%	57,789	1,376	218,754	218.75	<b>220.68</b>	353.60	18.96	5.15	<b>1,136.5</b>	<b>78,032</b>	4,151.8
8' 9	28' 10	36.5%	58,405	1,391	221,086	221.09	<b>223.03</b>	353.75	18.97	5.19	<b>1,157.5</b>	<b>78,897</b>	4,146.5
8' 10	28' 9	36.9%	59,020	1,405	223,417	223.42	<b>225.38</b>	353.90	18.99	5.23	<b>1,178.7</b>	<b>79,762</b>	4,148.5
8' 11	28' 8	37.3%	59,637	1,420	225,752	225.75	<b>227.74</b>	354.05	19.00	5.27	<b>1,200.2</b>	<b>80,631</b>	4,181.0
9' 0	28' 7	37.6%	60,255	1,435	228,091	228.09	<b>230.10</b>	354.20	19.01	5.31	<b>1,221.8</b>	<b>81,501</b>	4,165.6
9' 1	28' 6	38.0%	60,873	1,449	230,430	230.43	<b>232.46</b>	354.35	19.03	5.35	<b>1,243.7</b>	<b>82,372</b>	4,174.1
9' 2	28' 5	38.4%	61,492	1,464	232,772	232.77	<b>234.82</b>	354.50	19.04	5.39	<b>1,265.7</b>	<b>83,244</b>	4,210.8
9' 3	28' 4	38.8%	62,112	1,479	235,118	235.12	<b>237.18</b>	354.65	19.06	5.43	<b>1,287.9</b>	<b>84,116</b>	4,192.7
9' 4	28' 3	39.2%	62,731	1,494	237,465	237.46	<b>239.55</b>	354.80	19.07	5.47	<b>1,310.3</b>	<b>84,992</b>	4,207.7
9' 5	28' 2	39.6%	63,352	1,508	239,814	239.81	<b>241.92</b>	354.94	19.09	5.51	<b>1,333.0</b>	<b>85,867</b>	4,244.2
9' 6	28' 1	40.0%	63,974	1,523	242,167	242.17	<b>244.30</b>	355.09	19.10	5.55	<b>1,355.9</b>	<b>86,748</b>	4,224.4
9' 7	28' 0	40.4%	64,596	1,538	244,523	244.52	<b>246.67</b>	355.24	19.11	5.59	<b>1,378.9</b>	<b>87,627</b>	4,246.7
9' 8	27' 11	40.8%	65,219	1,553	246,881	246.88	<b>249.05</b>	355.39	19.13	5.63	<b>1,402.2</b>	<b>88,510</b>	4,277.4
9' 9	27' 10	41.1%	65,843	1,568	249,241	249.24	<b>251.43</b>	355.54	19.14	5.67	<b>1,425.6</b>	<b>89,393</b>	4,252.1
9' 10	27' 9	41.5%	66,467	1,583	251,606	251.61	<b>253.82</b>	355.69	19.16	5.71	<b>1,449.3</b>	<b>90,281</b>	4,279.2
9' 11	27' 8	41.9%	67,092	1,597	253,973	253.97	<b>256.20</b>	355.84	19.17	5.75	<b>1,473.2</b>	<b>91,166</b>	4,277.6
10' 0	27' 7	42.3%	67,718	1,612	256,340	256.34	<b>258.59</b>	355.99	19.19	5.79	<b>1,497.2</b>	<b>92,055</b>	4,282.3
10' 1	27' 6	42.7%	68,345	1,627	258,713	258.71	<b>260.99</b>	356.14	19.20	5.84	<b>1,524.2</b>	<b>92,949</b>	4,314.9
10' 2	27' 5	43.1%	68,972	1,642	261,087	261.09	<b>263.38</b>	356.29	19.21	5.88	<b>1,548.7</b>	<b>93,840</b>	4,304.9
10' 3	27' 4	43.5%	69,600	1,657	263,463	263.46	<b>265.78</b>	356.44	19.23	5.92	<b>1,573.4</b>	<b>94,735</b>	4,314.8
10' 4	27' 3	43.9%	70,229	1,672	265,846	265.85	<b>268.18</b>	356.58	19.24	5.96	<b>1,598.4</b>	<b>95,628</b>	4,351.6
10' 5	27' 2	44.3%	70,858	1,687	268,228	268.23	<b>270.59</b>	356.73	19.26	6.00	<b>1,623.5</b>	<b>96,528</b>	4,329.4
10' 6	27' 1	44.7%	71,488	1,702	270,611	270.61	<b>272.99</b>	356.88	19.27	6.04	<b>1,648.9</b>	<b>97,425</b>	4,346.4
10' 7	27' 0	45.1%	72,119	1,717	273,001	273.00	<b>275.40</b>	357.03	19.28	6.08	<b>1,674.4</b>	<b>98,326</b>	4,385.7
10' 8	26' 11	45.5%	72,750	1,732	275,391	275.39	<b>277.81</b>	357.18	19.30	6.12	<b>1,700.2</b>	<b>99,228</b>	4,360.4
10' 9	26' 10	45.9%	73,382	1,747	277,783	277.78	<b>280.22</b>	357.33	19.31	6.16	<b>1,726.2</b>	<b>100,131</b>	4,385.6
10' 10	26' 9	46.2%	74,016	1,762	280,182	280.18	<b>282.64</b>	357.48	19.33	6.21	<b>1,755.2</b>	<b>101,038</b>	4,421.1
10' 11	26' 8	46.6%	74,650	1,777	282,580	282.58	<b>285.06</b>	357.63	19.34	6.25	<b>1,781.6</b>	<b>101,946</b>	4,392.0
11' 0	26' 7	47.0%	75,284	1,792	284,981	284.98	<b>287.49</b>	357.78	19.36	6.29	<b>1,808.3</b>	<b>102,858</b>	4,420.5



Tank		Ballast #6 STBD											
Specific Gravity		1.025											
Trim		0											
Capacity		160,044 Gallons											
Label(s)		Ball#6.s											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
11' 1	26' 6	47.4%	75,920	1,808	287,389	287.39	<b>289.91</b>	357.93	19.37	6.33	<b>1,835.1</b>	<b>103,767</b>	4,420.4
11' 2	26' 5	47.8%	76,556	1,823	289,795	289.80	<b>292.34</b>	358.07	19.38	6.37	<b>1,862.2</b>	<b>104,678</b>	4,422.5
11' 3	26' 4	48.2%	77,193	1,838	292,206	292.21	<b>294.77</b>	358.22	19.40	6.41	<b>1,889.5</b>	<b>105,593</b>	4,454.9
11' 4	26' 3	48.6%	77,831	1,853	294,623	294.62	<b>297.21</b>	358.37	19.41	6.46	<b>1,920.0</b>	<b>106,511</b>	4,450.0
11' 5	26' 2	49.0%	78,470	1,868	297,040	297.04	<b>299.65</b>	358.52	19.43	6.50	<b>1,947.7</b>	<b>107,431</b>	4,456.9
11' 6	26' 1	49.4%	79,109	1,884	299,460	299.46	<b>302.09</b>	358.67	19.44	6.54	<b>1,975.7</b>	<b>108,351</b>	4,491.8
11' 7	26' 0	49.8%	79,750	1,899	301,886	301.89	<b>304.54</b>	358.82	19.46	6.58	<b>2,003.9</b>	<b>109,275</b>	4,479.8
11' 8	25' 11	50.2%	80,391	1,914	304,312	304.31	<b>306.99</b>	358.97	19.47	6.62	<b>2,032.3</b>	<b>110,200</b>	4,492.7
11' 9	25' 10	50.6%	81,033	1,929	306,744	306.74	<b>309.44</b>	359.12	19.48	6.66	<b>2,060.9</b>	<b>111,126</b>	4,527.9
11' 10	25' 9	51.0%	81,676	1,945	309,176	309.18	<b>311.89</b>	359.27	19.50	6.71	<b>2,092.8</b>	<b>112,053</b>	4,506.1
11' 11	25' 8	51.4%	82,319	1,960	311,612	311.61	<b>314.35</b>	359.42	19.51	6.75	<b>2,121.9</b>	<b>112,984</b>	4,526.4
12' 0	25' 7	51.8%	82,964	1,975	314,053	314.05	<b>316.81</b>	359.57	19.53	6.79	<b>2,151.1</b>	<b>113,915</b>	4,566.4
12' 1	25' 6	52.2%	83,609	1,991	316,494	316.49	<b>319.28</b>	359.71	19.54	6.83	<b>2,180.7</b>	<b>114,848</b>	4,537.9
12' 2	25' 5	52.6%	84,255	2,006	318,940	318.94	<b>321.74</b>	359.86	19.56	6.88	<b>2,213.6</b>	<b>115,781</b>	4,562.9
12' 3	25' 4	53.0%	84,903	2,021	321,391	321.39	<b>324.22</b>	360.01	19.57	6.92	<b>2,243.6</b>	<b>116,722</b>	4,557.0
12' 4	25' 3	53.5%	85,548	2,037	323,836	323.84	<b>326.68</b>	360.16	19.58	6.96	<b>2,273.7</b>	<b>117,657</b>	4,536.3
12' 5	25' 2	53.9%	86,193	2,052	326,277	326.28	<b>329.14</b>	360.31	19.60	7.00	<b>2,304.0</b>	<b>118,592</b>	4,528.9
12' 6	25' 1	54.3%	86,837	2,068	328,713	328.71	<b>331.60</b>	360.45	19.62	7.04	<b>2,334.5</b>	<b>119,525</b>	4,480.7
12' 7	25' 0	54.7%	87,477	2,083	331,138	331.14	<b>334.05</b>	360.60	19.63	7.09	<b>2,368.4</b>	<b>120,458</b>	4,453.3
12' 8	24' 11	55.1%	88,115	2,098	333,552	333.55	<b>336.48</b>	360.74	19.65	7.13	<b>2,399.1</b>	<b>121,382</b>	4,442.0
12' 9	24' 10	55.5%	88,750	2,113	335,955	335.96	<b>338.91</b>	360.88	19.66	7.17	<b>2,430.0</b>	<b>122,306</b>	4,382.2
12' 10	24' 9	55.8%	89,380	2,128	338,341	338.34	<b>341.31</b>	361.02	19.68	7.21	<b>2,460.8</b>	<b>123,220</b>	4,356.1
12' 11	24' 8	56.2%	90,007	2,143	340,712	340.71	<b>343.71</b>	361.16	19.70	7.25	<b>2,491.9</b>	<b>124,134</b>	4,344.9
13' 0	24' 7	56.6%	90,628	2,158	343,065	343.06	<b>346.08</b>	361.29	19.72	7.29	<b>2,522.9</b>	<b>125,035</b>	4,276.5
13' 1	24' 6	57.0%	91,244	2,172	345,395	345.39	<b>348.43</b>	361.43	19.74	7.33	<b>2,554.0</b>	<b>125,933</b>	4,251.1
13' 2	24' 5	57.4%	91,854	2,187	347,706	347.71	<b>350.76</b>	361.56	19.76	7.37	<b>2,585.1</b>	<b>126,821</b>	4,239.3
13' 3	24' 4	57.8%	92,458	2,201	349,991	349.99	<b>353.07</b>	361.69	19.78	7.41	<b>2,616.2</b>	<b>127,702</b>	4,155.1
13' 4	24' 3	58.1%	93,055	2,216	352,251	352.25	<b>355.35</b>	361.81	19.80	7.45	<b>2,647.4</b>	<b>128,569</b>	4,130.4
13' 5	24' 2	58.5%	93,646	2,230	354,490	354.49	<b>357.61</b>	361.93	19.82	7.49	<b>2,678.5</b>	<b>129,430</b>	4,069.3
13' 6	24' 1	58.9%	94,230	2,244	356,701	356.70	<b>359.84</b>	362.05	19.84	7.53	<b>2,709.6</b>	<b>130,280</b>	4,024.7
13' 7	24' 0	59.2%	94,808	2,257	358,886	358.89	<b>362.04</b>	362.17	19.86	7.57	<b>2,740.6</b>	<b>131,120</b>	3,999.7
13' 8	23' 11	59.6%	95,379	2,271	361,049	361.05	<b>364.22</b>	362.28	19.88	7.60	<b>2,768.1</b>	<b>131,950</b>	3,928.0
13' 9	23' 10	59.9%	95,943	2,284	363,184	363.18	<b>366.38</b>	362.40	19.90	7.64	<b>2,799.1</b>	<b>132,776</b>	3,884.9

Tank		Ballast #6 STBD											
Specific Gravity		1.025											
Trim		0											
Capacity		160,044 Gallons											
Label(s)		Ball#6.s											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
13' 10	23' 9	60.3%	96,500	2,298	365,293	365.29	<b>368.50</b>	362.51	19.92	7.68	<b>2,830.1</b>	<b>133,585</b>	3,860.6
13' 11	23' 8	60.6%	97,051	2,311	367,379	367.38	<b>370.61</b>	362.61	19.94	7.71	<b>2,857.4</b>	<b>134,387</b>	3,778.9
14' 0	23' 7	61.0%	97,595	2,324	369,436	369.44	<b>372.68</b>	362.72	19.96	7.75	<b>2,888.3</b>	<b>135,178</b>	3,737.3
14' 1	23' 6	61.3%	98,132	2,336	371,469	371.47	<b>374.73</b>	362.82	19.99	7.79	<b>2,919.1</b>	<b>135,960</b>	3,713.8
14' 2	23' 5	61.6%	98,662	2,349	373,477	373.48	<b>376.76</b>	362.92	20.01	7.82	<b>2,946.3</b>	<b>136,734</b>	3,621.7
14' 3	23' 4	62.0%	99,185	2,362	375,456	375.46	<b>378.76</b>	363.02	20.03	7.86	<b>2,977.1</b>	<b>137,497</b>	3,581.1
14' 4	23' 3	62.3%	99,701	2,374	377,411	377.41	<b>380.73</b>	363.11	20.05	7.89	<b>3,004.0</b>	<b>138,247</b>	3,558.3
14' 5	23' 2	62.6%	100,211	2,386	379,338	379.34	<b>382.67</b>	363.21	20.08	7.92	<b>3,030.7</b>	<b>138,990</b>	3,455.4
14' 6	23' 1	62.9%	100,713	2,398	381,239	381.24	<b>384.59</b>	363.30	20.10	7.96	<b>3,061.3</b>	<b>139,722</b>	3,415.9
14' 7	23' 0	63.2%	101,208	2,410	383,115	383.11	<b>386.48</b>	363.39	20.12	7.99	<b>3,088.0</b>	<b>140,443</b>	3,334.6
14' 8	22' 11	63.5%	101,696	2,421	384,960	384.96	<b>388.34</b>	363.47	20.14	8.02	<b>3,114.5</b>	<b>141,150</b>	3,274.9
14' 9	22' 10	63.8%	102,176	2,433	386,779	386.78	<b>390.18</b>	363.56	20.17	8.06	<b>3,144.9</b>	<b>141,854</b>	3,239.4
14' 10	22' 9	64.1%	102,650	2,444	388,574	388.57	<b>391.99</b>	363.64	20.19	8.09	<b>3,171.2</b>	<b>142,543</b>	3,146.3
14' 11	22' 8	64.4%	103,117	2,455	390,339	390.34	<b>393.77</b>	363.72	20.22	8.12	<b>3,197.4</b>	<b>143,222</b>	3,089.0
15' 0	22' 7	64.7%	103,576	2,466	392,077	392.08	<b>395.52</b>	363.80	20.24	8.15	<b>3,223.5</b>	<b>143,890</b>	3,054.7
15' 1	22' 6	65.0%	104,029	2,477	393,791	393.79	<b>397.25</b>	363.87	20.26	8.18	<b>3,249.5</b>	<b>144,547</b>	2,948.8
15' 2	22' 5	65.3%	104,473	2,487	395,475	395.47	<b>398.95</b>	363.94	20.29	8.21	<b>3,275.4</b>	<b>145,194</b>	2,892.4
15' 3	22' 4	65.6%	104,911	2,498	397,132	397.13	<b>400.62</b>	364.02	20.31	8.24	<b>3,301.1</b>	<b>145,834</b>	2,858.9
15' 4	22' 3	65.8%	105,343	2,508	398,765	398.76	<b>402.27</b>	364.08	20.34	8.27	<b>3,326.8</b>	<b>146,458</b>	2,739.4
15' 5	22' 2	66.1%	105,766	2,518	400,367	400.37	<b>403.89</b>	364.15	20.36	8.30	<b>3,352.3</b>	<b>147,077</b>	2,683.8
15' 6	22' 1	66.3%	106,183	2,528	401,945	401.94	<b>405.48</b>	364.22	20.39	8.33	<b>3,377.6</b>	<b>147,684</b>	2,650.1
15' 7	22' 0	66.6%	106,592	2,538	403,493	403.49	<b>407.04</b>	364.28	20.41	8.36	<b>3,402.9</b>	<b>148,277</b>	2,515.2
15' 8	21' 11	66.9%	106,993	2,547	405,014	405.01	<b>408.57</b>	364.34	20.44	8.39	<b>3,427.9</b>	<b>148,858</b>	2,460.1
15' 9	21' 10	67.1%	107,389	2,557	406,510	406.51	<b>410.08</b>	364.40	20.46	8.41	<b>3,448.8</b>	<b>149,433</b>	2,361.2
15' 10	21' 9	67.3%	107,776	2,566	407,976	407.98	<b>411.56</b>	364.45	20.49	8.44	<b>3,473.6</b>	<b>149,993</b>	2,275.1
15' 11	21' 8	67.6%	108,156	2,575	409,413	409.41	<b>413.01</b>	364.51	20.52	8.47	<b>3,498.2</b>	<b>150,546</b>	2,220.6
16' 0	21' 7	67.8%	108,529	2,584	410,826	410.83	<b>414.44</b>	364.56	20.54	8.50	<b>3,522.7</b>	<b>151,088</b>	2,093.4
16' 1	21' 6	68.0%	108,894	2,593	412,207	412.21	<b>415.83</b>	364.61	20.57	8.52	<b>3,542.9</b>	<b>151,616</b>	2,011.5
16' 2	21' 5	68.3%	109,251	2,601	413,561	413.56	<b>417.20</b>	364.66	20.59	8.55	<b>3,567.1</b>	<b>152,136</b>	1,959.8
16' 3	21' 4	68.5%	109,602	2,610	414,889	414.89	<b>418.54</b>	364.70	20.62	8.57	<b>3,586.9</b>	<b>152,642</b>	1,812.6
16' 4	21' 3	68.7%	109,945	2,618	416,186	416.19	<b>419.84</b>	364.75	20.65	8.60	<b>3,610.6</b>	<b>153,137</b>	1,731.2
16' 5	21' 2	68.9%	110,280	2,626	417,457	417.46	<b>421.13</b>	364.79	20.68	8.62	<b>3,630.1</b>	<b>153,624</b>	1,679.9
16' 6	21' 1	69.1%	110,609	2,634	418,699	418.70	<b>422.38</b>	364.83	20.70	8.65	<b>3,653.6</b>	<b>154,097</b>	1,508.2

Tank		Ballast #6 STBD											
Specific Gravity		1.025											
Trim		0											
Capacity		160,044 Gallons											
Label(s)		Ball#6.s											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
16' 7	21' 0	69.3%	110,929	2,641	419,912	419.91	<b>423.60</b>	364.87	20.73	8.67	<b>3,672.6</b>	<b>154,559</b>	1,425.5
16' 8	20' 11	69.5%	111,243	2,649	421,100	421.10	<b>424.80</b>	364.90	20.76	8.69	<b>3,691.5</b>	<b>155,010</b>	1,373.4
16' 9	20' 10	69.7%	111,549	2,656	422,258	422.26	<b>425.97</b>	364.94	20.79	8.71	<b>3,710.2</b>	<b>155,453</b>	1,174.7
16' 10	20' 9	69.9%	111,847	2,663	423,386	423.39	<b>427.11</b>	364.97	20.81	8.74	<b>3,732.9</b>	<b>155,882</b>	1,088.9
16' 11	20' 8	70.1%	112,138	2,670	424,490	424.49	<b>428.22</b>	365.00	20.84	8.76	<b>3,751.2</b>	<b>156,300</b>	930.8
17' 0	20' 7	70.2%	112,422	2,677	425,562	425.56	<b>429.30</b>	365.03	20.87	8.78	<b>3,769.3</b>	<b>156,707</b>	802.7
17' 1	20' 6	70.4%	112,697	2,683	426,606	426.61	<b>430.36</b>	365.05	20.90	8.80	<b>3,787.2</b>	<b>157,103</b>	713.5
17' 2	20' 5	70.6%	112,967	2,690	427,625	427.63	<b>431.38</b>	365.08	20.93	8.82	<b>3,804.8</b>	<b>157,488</b>	522.6
17' 3	20' 4	70.7%	113,227	2,696	428,612	428.61	<b>432.38</b>	365.10	20.96	8.84	<b>3,822.2</b>	<b>157,862</b>	387.4
17' 4	20' 3	70.9%	113,481	2,702	429,572	429.57	<b>433.35</b>	365.12	20.99	8.86	<b>3,839.5</b>	<b>158,225</b>	294.6
17' 5	20' 2	71.1%	113,729	2,708	430,509	430.51	<b>434.29</b>	365.13	21.02	8.88	<b>3,856.5</b>	<b>158,572</b>	174.3
17' 6	20' 1	71.2%	113,970	2,714	431,423	431.42	<b>435.21</b>	365.15	21.05	8.90	<b>3,873.4</b>	<b>158,917</b>	107.3
17' 7	20' 0	71.4%	114,206	2,719	432,316	432.32	<b>436.12</b>	365.16	21.08	8.92	<b>3,890.2</b>	<b>159,254</b>	76.6
17' 8	19' 11	71.5%	114,439	2,725	433,197	433.20	<b>437.0</b>	365.18	21.11	8.93	<b>3,902.4</b>	<b>159,584</b>	63.3
17' 9	19' 10	71.6%	114,669	2,730	434,068	434.07	<b>437.88</b>	365.19	21.14	8.95	<b>3,919.0</b>	<b>159,909</b>	54.8
17' 10	19' 9	71.8%	114,897	2,736	434,931	434.93	<b>438.75</b>	365.20	21.16	8.97	<b>3,935.6</b>	<b>160,232</b>	52.3
17' 11	19' 8	71.9%	115,124	2,741	435,790	435.79	<b>439.62</b>	365.21	21.19	8.99	<b>3,952.2</b>	<b>160,554</b>	51.0
18' 0	19' 7	72.1%	115,350	2,746	436,645	436.65	<b>440.48</b>	365.23	21.22	9.01	<b>3,968.7</b>	<b>160,877</b>	49.8
18' 1	19' 6	72.2%	115,574	2,752	437,496	437.50	<b>441.34</b>	365.24	21.25	9.02	<b>3,980.9</b>	<b>161,195</b>	48.5
18' 2	19' 5	72.4%	115,798	2,757	438,343	438.34	<b>442.20</b>	365.25	21.28	9.04	<b>3,997.5</b>	<b>161,514</b>	47.4
18' 3	19' 4	72.5%	116,021	2,762	439,186	439.19	<b>443.05</b>	365.26	21.31	9.06	<b>4,014.0</b>	<b>161,828</b>	46.2
18' 4	19' 3	72.6%	116,243	2,768	440,026	440.03	<b>443.89</b>	365.27	21.33	9.08	<b>4,030.5</b>	<b>162,140</b>	45.1
18' 5	19' 2	72.8%	116,463	2,773	440,862	440.86	<b>444.74</b>	365.28	21.36	9.10	<b>4,047.1</b>	<b>162,455</b>	44.0
18' 6	19' 1	72.9%	116,683	2,778	441,694	441.69	<b>445.58</b>	365.29	21.39	9.11	<b>4,059.2</b>	<b>162,766</b>	42.9
18' 7	19' 0	73.0%	116,902	2,783	442,522	442.52	<b>446.41</b>	365.30	21.42	9.13	<b>4,075.7</b>	<b>163,074</b>	41.9
18' 8	18' 11	73.2%	117,120	2,789	443,347	443.35	<b>447.24</b>	365.31	21.44	9.15	<b>4,092.2</b>	<b>163,381</b>	40.8
18' 9	18' 10	73.3%	117,337	2,794	444,168	444.17	<b>448.07</b>	365.32	21.47	9.17	<b>4,108.8</b>	<b>163,689</b>	39.9
18' 10	18' 9	73.5%	117,553	2,799	444,987	444.99	<b>448.90</b>	365.33	21.50	9.19	<b>4,125.4</b>	<b>163,997</b>	38.9
18' 11	18' 8	73.6%	117,768	2,804	445,801	445.80	<b>449.72</b>	365.34	21.52	9.20	<b>4,137.4</b>	<b>164,301</b>	38.0
19' 0	18' 7	73.7%	117,983	2,809	446,612	446.61	<b>450.54</b>	365.35	21.55	9.22	<b>4,154.0</b>	<b>164,605</b>	37.1
19' 1	18' 6	73.9%	118,196	2,814	447,421	447.42	<b>451.35</b>	365.36	21.58	9.24	<b>4,170.5</b>	<b>164,905</b>	36.2
19' 2	18' 5	74.0%	118,409	2,819	448,226	448.23	<b>452.16</b>	365.37	21.60	9.26	<b>4,187.0</b>	<b>165,206</b>	35.4
19' 3	18' 4	74.1%	118,621	2,824	449,027	449.03	<b>452.97</b>	365.37	21.63	9.28	<b>4,203.6</b>	<b>165,502</b>	34.6

Tank		Ballast #6 STBD												
Specific Gravity		1.025												
Trim		0												
Capacity		160,044 Gallons												
Label(s)		Ball#6.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
19' 4	18' 3	74.2%	118,832	2,829	449,827	449.83	<b>453.78</b>	365.38	21.65	9.29	<b>4,215.6</b>	<b>165,802</b>	33.8	
19' 5	18' 2	74.4%	119,042	2,834	450,622	450.62	<b>454.58</b>	365.39	21.68	9.31	<b>4,232.1</b>	<b>166,099</b>	33.1	
19' 6	18' 1	74.5%	119,251	2,839	451,415	451.42	<b>455.38</b>	365.40	21.70	9.33	<b>4,248.7</b>	<b>166,396</b>	32.3	
19' 7	18' 0	74.6%	119,460	2,844	452,205	452.21	<b>456.18</b>	365.41	21.73	9.35	<b>4,265.3</b>	<b>166,693</b>	31.6	
19' 8	17' 11	74.8%	119,668	2,849	452,993	452.99	<b>456.97</b>	365.41	21.75	9.37	<b>4,281.8</b>	<b>166,981</b>	30.9	
19' 9	17' 10	74.9%	119,875	2,854	453,777	453.78	<b>457.77</b>	365.42	21.78	9.39	<b>4,298.5</b>	<b>167,278</b>	30.3	
19' 10	17' 9	75.0%	120,082	2,859	454,559	454.56	<b>458.55</b>	365.43	21.80	9.40	<b>4,310.4</b>	<b>167,568</b>	29.7	
19' 11	17' 8	75.2%	120,288	2,864	455,339	455.34	<b>459.34</b>	365.44	21.83	9.42	<b>4,327.0</b>	<b>167,861</b>	29.1	
20' 0	17' 7	75.3%	120,493	2,869	456,115	456.12	<b>460.12</b>	365.44	21.85	9.44	<b>4,343.5</b>	<b>168,146</b>	28.4	
20' 1	17' 6	75.4%	120,697	2,874	456,889	456.89	<b>460.90</b>	365.45	21.88	9.46	<b>4,360.1</b>	<b>168,436</b>	27.9	
20' 2	17' 5	75.5%	120,901	2,879	457,660	457.66	<b>461.68</b>	365.45	21.90	9.48	<b>4,376.7</b>	<b>168,721</b>	27.3	
20' 3	17' 4	75.7%	121,104	2,883	458,430	458.43	<b>462.46</b>	365.46	21.92	9.50	<b>4,393.4</b>	<b>169,011</b>	26.8	
20' 4	17' 3	75.8%	121,307	2,888	459,196	459.20	<b>463.23</b>	365.47	21.95	9.51	<b>4,405.3</b>	<b>169,297</b>	26.3	
20' 5	17' 2	75.9%	121,509	2,893	459,960	459.96	<b>464.0</b>	365.47	21.97	9.53	<b>4,421.9</b>	<b>169,578</b>	25.8	
20' 6	17' 1	76.0%	121,710	2,898	460,722	460.72	<b>464.77</b>	365.48	22.00	9.55	<b>4,438.6</b>	<b>169,864</b>	25.4	
20' 7	17' 0	76.2%	121,911	2,903	461,482	461.48	<b>465.54</b>	365.48	22.02	9.57	<b>4,455.2</b>	<b>170,146</b>	24.9	
20' 8	16' 11	76.3%	122,111	2,907	462,240	462.24	<b>466.30</b>	365.49	22.04	9.59	<b>4,471.8</b>	<b>170,428</b>	24.5	
20' 9	16' 10	76.4%	122,310	2,912	462,995	463.0	<b>467.06</b>	365.49	22.07	9.61	<b>4,488.4</b>	<b>170,706</b>	24.1	
20' 10	16' 9	76.5%	122,509	2,917	463,749	463.75	<b>467.82</b>	365.50	22.09	9.62	<b>4,500.4</b>	<b>170,988</b>	23.7	
20' 11	16' 8	76.7%	122,708	2,922	464,500	464.50	<b>468.58</b>	365.51	22.11	9.64	<b>4,517.1</b>	<b>171,271</b>	23.3	
21' 0	16' 7	76.8%	122,906	2,926	465,250	465.25	<b>469.34</b>	365.51	22.14	9.66	<b>4,533.8</b>	<b>171,548</b>	23.0	
21' 1	16' 6	76.9%	123,104	2,931	465,997	466.0	<b>470.09</b>	365.51	22.16	9.68	<b>4,550.5</b>	<b>171,823</b>	22.7	
21' 2	16' 5	77.0%	123,301	2,936	466,744	466.74	<b>470.85</b>	365.52	22.18	9.70	<b>4,567.2</b>	<b>172,105</b>	22.3	
21' 3	16' 4	77.2%	123,497	2,940	467,488	467.49	<b>471.60</b>	365.52	22.20	9.72	<b>4,584.0</b>	<b>172,379</b>	22.0	
21' 4	16' 3	77.3%	123,693	2,945	468,230	468.23	<b>472.35</b>	365.53	22.23	9.74	<b>4,600.7</b>	<b>172,658</b>	21.7	
21' 5	16' 2	77.4%	123,889	2,950	468,972	468.97	<b>473.09</b>	365.53	22.25	9.76	<b>4,617.4</b>	<b>172,929</b>	21.5	
21' 6	16' 1	77.5%	124,085	2,954	469,711	469.71	<b>473.84</b>	365.54	22.27	9.77	<b>4,629.4</b>	<b>173,207</b>	21.2	
21' 7	16' 0	77.7%	124,280	2,959	470,449	470.45	<b>474.58</b>	365.54	22.29	9.79	<b>4,646.1</b>	<b>173,478</b>	21.0	
21' 8	15' 11	77.8%	124,474	2,964	471,186	471.19	<b>475.33</b>	365.55	22.31	9.81	<b>4,663.0</b>	<b>173,757</b>	20.8	
21' 9	15' 10	77.9%	124,668	2,968	471,921	471.92	<b>476.07</b>	365.55	22.34	9.83	<b>4,679.8</b>	<b>174,027</b>	20.6	
21' 10	15' 9	78.0%	124,862	2,973	472,655	472.65	<b>476.81</b>	365.55	22.36	9.85	<b>4,696.6</b>	<b>174,298</b>	20.4	
21' 11	15' 8	78.1%	125,056	2,978	473,387	473.39	<b>477.55</b>	365.56	22.38	9.87	<b>4,713.4</b>	<b>174,573</b>	20.1	
22' 0	15' 7	78.3%	125,249	2,982	474,118	474.12	<b>478.28</b>	365.56	22.40	9.89	<b>4,730.2</b>	<b>174,840</b>	19.9	

Tank		Ballast #6 STBD												
Specific Gravity		1.025												
Trim		0												
Capacity		160,044 Gallons												
Label(s)		Ball#6.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
22' 1	15' 6	78.4%	125,442	2,987	474,848	474.85	<b>479.02</b>	365.56	22.42	9.91	<b>4,747.1</b>	<b>175,111</b>	19.8	
22' 2	15' 5	78.5%	125,634	2,991	475,577	475.58	<b>479.76</b>	365.57	22.44	9.93	<b>4,764.0</b>	<b>175,386</b>	19.6	
22' 3	15' 4	78.6%	125,826	2,996	476,304	476.30	<b>480.49</b>	365.57	22.47	9.94	<b>4,776.1</b>	<b>175,653</b>	19.5	
22' 4	15' 3	78.7%	126,018	3,000	477,030	477.03	<b>481.22</b>	365.57	22.49	9.96	<b>4,793.0</b>	<b>175,920</b>	19.3	
22' 5	15' 2	78.9%	126,210	3,005	477,756	477.76	<b>481.95</b>	365.58	22.51	9.98	<b>4,809.9</b>	<b>176,191</b>	19.2	
22' 6	15' 1	79.0%	126,401	3,010	478,481	478.48	<b>482.69</b>	365.58	22.53	10.00	<b>4,826.9</b>	<b>176,462</b>	19.1	
22' 7	15' 0	79.1%	126,592	3,014	479,204	479.20	<b>483.42</b>	365.58	22.55	10.02	<b>4,843.9</b>	<b>176,729</b>	19.0	
22' 8	14' 11	79.2%	126,783	3,019	479,927	479.93	<b>484.14</b>	365.59	22.57	10.04	<b>4,860.8</b>	<b>176,997</b>	18.9	
22' 9	14' 10	79.3%	126,974	3,023	480,649	480.65	<b>484.87</b>	365.59	22.59	10.06	<b>4,877.8</b>	<b>177,264</b>	18.8	
22' 10	14' 9	79.5%	127,165	3,028	481,370	481.37	<b>485.60</b>	365.59	22.61	10.08	<b>4,894.8</b>	<b>177,531</b>	18.7	
22' 11	14' 8	79.6%	127,355	3,032	482,090	482.09	<b>486.33</b>	365.60	22.63	10.10	<b>4,911.9</b>	<b>177,802</b>	18.7	
23' 0	14' 7	79.7%	127,545	3,037	482,810	482.81	<b>487.05</b>	365.60	22.65	10.12	<b>4,928.9</b>	<b>178,065</b>	18.6	
23' 1	14' 6	79.8%	127,735	3,041	483,530	483.53	<b>487.78</b>	365.60	22.68	10.14	<b>4,946.1</b>	<b>178,332</b>	18.5	
23' 2	14' 5	79.9%	127,925	3,046	484,249	484.25	<b>488.51</b>	365.61	22.70	10.16	<b>4,963.3</b>	<b>178,604</b>	18.4	
23' 3	14' 4	80.0%	128,115	3,050	484,967	484.97	<b>489.23</b>	365.61	22.72	10.18	<b>4,980.4</b>	<b>178,867</b>	18.4	
23' 4	14' 3	80.2%	128,304	3,055	485,685	485.68	<b>489.95</b>	365.61	22.74	10.20	<b>4,997.5</b>	<b>179,131</b>	18.4	
23' 5	14' 2	80.3%	128,494	3,059	486,402	486.40	<b>490.68</b>	365.61	22.76	10.22	<b>5,014.7</b>	<b>179,398</b>	18.3	
23' 6	14' 1	80.4%	128,683	3,064	487,119	487.12	<b>491.40</b>	365.62	22.78	10.24	<b>5,031.9</b>	<b>179,666</b>	18.3	
23' 7	14' 0	80.5%	128,873	3,068	487,836	487.84	<b>492.12</b>	365.62	22.80	10.26	<b>5,049.2</b>	<b>179,929</b>	18.3	
23' 8	13' 11	80.6%	129,062	3,073	488,552	488.55	<b>492.85</b>	365.62	22.82	10.28	<b>5,066.5</b>	<b>180,196</b>	18.3	
23' 9	13' 10	80.8%	129,251	3,077	489,268	489.27	<b>493.57</b>	365.62	22.84	10.30	<b>5,083.8</b>	<b>180,459</b>	18.3	
23' 10	13' 9	80.9%	129,440	3,082	489,984	489.98	<b>494.29</b>	365.63	22.86	10.32	<b>5,101.1</b>	<b>180,727</b>	18.2	
23' 11	13' 8	81.0%	129,629	3,086	490,700	490.70	<b>495.01</b>	365.63	22.88	10.34	<b>5,118.4</b>	<b>180,991</b>	18.2	
24' 0	13' 7	81.1%	129,818	3,091	491,416	491.42	<b>495.74</b>	365.63	22.90	10.36	<b>5,135.9</b>	<b>181,257</b>	18.2	
24' 1	13' 6	81.2%	130,008	3,095	492,132	492.13	<b>496.46</b>	365.63	22.92	10.38	<b>5,153.3</b>	<b>181,521</b>	18.2	
24' 2	13' 5	81.4%	130,197	3,100	492,848	492.85	<b>497.18</b>	365.64	22.94	10.40	<b>5,170.7</b>	<b>181,789</b>	18.2	
24' 3	13' 4	81.5%	130,386	3,104	493,563	493.56	<b>497.90</b>	365.64	22.96	10.42	<b>5,188.1</b>	<b>182,052</b>	18.2	
24' 4	13' 3	81.6%	130,575	3,109	494,279	494.28	<b>498.62</b>	365.64	22.98	10.44	<b>5,205.6</b>	<b>182,315</b>	18.2	
24' 5	13' 2	81.7%	130,764	3,113	494,994	494.99	<b>499.34</b>	365.64	23.00	10.46	<b>5,223.1</b>	<b>182,579</b>	18.2	
24' 6	13' 1	81.8%	130,953	3,118	495,710	495.71	<b>500.07</b>	365.65	23.01	10.48	<b>5,240.7</b>	<b>182,851</b>	18.2	
24' 7	13' 0	81.9%	131,142	3,122	496,425	496.43	<b>500.79</b>	365.65	23.03	10.50	<b>5,258.3</b>	<b>183,114</b>	18.2	
24' 8	12' 11	82.1%	131,331	3,127	497,141	497.14	<b>501.51</b>	365.65	23.05	10.52	<b>5,275.9</b>	<b>183,377</b>	18.2	
24' 9	12' 10	82.2%	131,520	3,131	497,856	497.86	<b>502.23</b>	365.65	23.07	10.54	<b>5,293.5</b>	<b>183,640</b>	18.2	

Tank		Ballast #6 STBD												
Specific Gravity		1.025												
Trim		0												
Capacity		160,044 Gallons												
Label(s)		Ball#6.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
24' 10	12' 9	82.3%	131,709	3,136	498,572	498.57	<b>502.95</b>	365.66	23.09	10.56	<b>5,311.2</b>	<b>183,909</b>	18.2	
24' 11	12' 8	82.4%	131,898	3,140	499,287	499.29	<b>503.68</b>	365.66	23.11	10.58	<b>5,328.9</b>	<b>184,176</b>	18.2	
25' 0	12' 7	82.5%	132,087	3,145	500,002	500.0	<b>504.40</b>	365.66	23.13	10.60	<b>5,346.6</b>	<b>184,439</b>	18.2	
25' 1	12' 6	82.6%	132,276	3,149	500,717	500.72	<b>505.12</b>	365.66	23.15	10.62	<b>5,364.4</b>	<b>184,702</b>	18.2	
25' 2	12' 5	82.8%	132,464	3,154	501,432	501.43	<b>505.84</b>	365.67	23.17	10.64	<b>5,382.1</b>	<b>184,971</b>	18.2	
25' 3	12' 4	82.9%	132,653	3,158	502,147	502.15	<b>506.56</b>	365.67	23.19	10.67	<b>5,405.0</b>	<b>185,234</b>	18.2	
25' 4	12' 3	83.0%	132,842	3,163	502,862	502.86	<b>507.28</b>	365.67	23.21	10.69	<b>5,422.8</b>	<b>185,497</b>	18.2	
25' 5	12' 2	83.1%	133,031	3,167	503,577	503.58	<b>508.0</b>	365.67	23.23	10.71	<b>5,440.7</b>	<b>185,760</b>	18.2	
25' 6	12' 1	83.2%	133,220	3,172	504,293	504.29	<b>508.72</b>	365.68	23.24	10.73	<b>5,458.6</b>	<b>186,029</b>	18.2	
25' 7	12' 0	83.4%	133,409	3,176	505,007	505.01	<b>509.45</b>	365.68	23.26	10.75	<b>5,476.6</b>	<b>186,296</b>	18.1	
25' 8	11' 11	83.5%	133,598	3,181	505,722	505.72	<b>510.17</b>	365.68	23.28	10.77	<b>5,494.5</b>	<b>186,559</b>	18.2	
25' 9	11' 10	83.6%	133,787	3,185	506,437	506.44	<b>510.89</b>	365.68	23.30	10.79	<b>5,512.5</b>	<b>186,822</b>	18.1	
25' 10	11' 9	83.7%	133,975	3,190	507,152	507.15	<b>511.61</b>	365.69	23.32	10.81	<b>5,530.5</b>	<b>187,091</b>	18.1	
25' 11	11' 8	83.8%	134,164	3,194	507,867	507.87	<b>512.33</b>	365.69	23.34	10.84	<b>5,553.7</b>	<b>187,354</b>	18.1	
26' 0	11' 7	83.9%	134,353	3,199	508,581	508.58	<b>513.05</b>	365.69	23.36	10.86	<b>5,571.7</b>	<b>187,617</b>	18.1	
26' 1	11' 6	84.1%	134,542	3,203	509,296	509.30	<b>513.77</b>	365.69	23.37	10.88	<b>5,589.8</b>	<b>187,881</b>	18.1	
26' 2	11' 5	84.2%	134,731	3,208	510,010	510.01	<b>514.49</b>	365.70	23.39	10.90	<b>5,607.9</b>	<b>188,149</b>	18.1	
26' 3	11' 4	84.3%	134,919	3,212	510,725	510.73	<b>515.21</b>	365.70	23.41	10.92	<b>5,626.1</b>	<b>188,412</b>	18.1	
26' 4	11' 3	84.4%	135,108	3,217	511,439	511.44	<b>515.93</b>	365.70	23.43	10.94	<b>5,644.3</b>	<b>188,676</b>	18.1	
26' 5	11' 2	84.5%	135,297	3,221	512,154	512.15	<b>516.65</b>	365.70	23.45	10.97	<b>5,667.7</b>	<b>188,939</b>	18.1	
26' 6	11' 1	84.7%	135,485	3,226	512,868	512.87	<b>517.38</b>	365.70	23.47	10.99	<b>5,686.0</b>	<b>189,206</b>	18.1	
26' 7	11' 0	84.8%	135,674	3,230	513,583	513.58	<b>518.10</b>	365.71	23.48	11.01	<b>5,704.3</b>	<b>189,474</b>	18.1	
26' 8	10' 11	84.9%	135,863	3,235	514,297	514.30	<b>518.82</b>	365.71	23.50	11.03	<b>5,722.6</b>	<b>189,738</b>	18.1	
26' 9	10' 10	85.0%	136,052	3,239	515,011	515.01	<b>519.54</b>	365.71	23.52	11.05	<b>5,740.9</b>	<b>190,001</b>	18.1	
26' 10	10' 9	85.1%	136,240	3,244	515,725	515.72	<b>520.26</b>	365.71	23.54	11.08	<b>5,764.5</b>	<b>190,264</b>	18.1	
26' 11	10' 8	85.2%	136,429	3,248	516,439	516.44	<b>520.98</b>	365.72	23.56	11.10	<b>5,782.9</b>	<b>190,533</b>	18.1	
27' 0	10' 7	85.4%	136,618	3,253	517,153	517.15	<b>521.70</b>	365.72	23.57	11.12	<b>5,801.3</b>	<b>190,796</b>	18.1	
27' 1	10' 6	85.5%	136,806	3,257	517,867	517.87	<b>522.42</b>	365.72	23.59	11.14	<b>5,819.8</b>	<b>191,059</b>	18.1	
27' 2	10' 5	85.6%	136,995	3,262	518,581	518.58	<b>523.14</b>	365.72	23.61	11.17	<b>5,843.5</b>	<b>191,323</b>	18.1	
27' 3	10' 4	85.7%	137,183	3,266	519,295	519.30	<b>523.86</b>	365.73	23.63	11.19	<b>5,862.0</b>	<b>191,591</b>	18.1	
27' 4	10' 3	85.8%	137,372	3,271	520,009	520.01	<b>524.58</b>	365.73	23.64	11.21	<b>5,880.5</b>	<b>191,855</b>	18.1	
27' 5	10' 2	86.0%	137,561	3,275	520,723	520.72	<b>525.30</b>	365.73	23.66	11.23	<b>5,899.1</b>	<b>192,118</b>	18.1	
27' 6	10' 1	86.1%	137,749	3,280	521,437	521.44	<b>526.02</b>	365.73	23.68	11.25	<b>5,917.7</b>	<b>192,381</b>	18.1	

Tank		Ballast #6 STBD												
Specific Gravity		1.025												
Trim		0												
Capacity		160,044 Gallons												
Label(s)		Ball#6.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
27' 7	10' 0	86.2%	137,938	3,284	522,151	522.15	<b>526.74</b>	365.73	23.70	11.28	<b>5,941.6</b>	<b>192,645</b>	18.1	
27' 8	9' 11	86.3%	138,126	3,289	522,864	522.86	<b>527.46</b>	365.74	23.71	11.30	<b>5,960.3</b>	<b>192,913</b>	18.1	
27' 9	9' 10	86.4%	138,315	3,293	523,578	523.58	<b>528.18</b>	365.74	23.73	11.32	<b>5,979.0</b>	<b>193,177</b>	18.1	
27' 10	9' 9	86.5%	138,503	3,298	524,291	524.29	<b>528.90</b>	365.74	23.75	11.35	<b>6,003.0</b>	<b>193,440</b>	18.0	
27' 11	9' 8	86.7%	138,692	3,302	525,005	525.01	<b>529.62</b>	365.74	23.77	11.37	<b>6,021.8</b>	<b>193,703</b>	18.0	
28' 0	9' 7	86.8%	138,880	3,307	525,718	525.72	<b>530.34</b>	365.75	23.78	11.39	<b>6,040.6</b>	<b>193,972</b>	18.0	
28' 1	9' 6	86.9%	139,069	3,311	526,432	526.43	<b>531.06</b>	365.75	23.80	11.41	<b>6,059.4</b>	<b>194,235</b>	18.0	
28' 2	9' 5	87.0%	139,257	3,316	527,145	527.15	<b>531.78</b>	365.75	23.82	11.44	<b>6,083.6</b>	<b>194,499</b>	18.0	
28' 3	9' 4	87.1%	139,446	3,320	527,859	527.86	<b>532.50</b>	365.75	23.84	11.46	<b>6,102.5</b>	<b>194,762</b>	18.0	
28' 4	9' 3	87.2%	139,634	3,325	528,572	528.57	<b>533.22</b>	365.75	23.85	11.48	<b>6,121.4</b>	<b>195,025</b>	18.0	
28' 5	9' 2	87.4%	139,822	3,329	529,285	529.29	<b>533.94</b>	365.76	23.87	11.51	<b>6,145.6</b>	<b>195,294</b>	18.0	
28' 6	9' 1	87.5%	140,011	3,334	529,999	530.0	<b>534.66</b>	365.76	23.89	11.53	<b>6,164.6</b>	<b>195,557</b>	18.0	
28' 7	9' 0	87.6%	140,199	3,338	530,712	530.71	<b>535.38</b>	365.76	23.90	11.55	<b>6,183.6</b>	<b>195,821</b>	18.0	
28' 8	8' 11	87.7%	140,388	3,343	531,425	531.42	<b>536.10</b>	365.76	23.92	11.58	<b>6,208.0</b>	<b>196,084</b>	18.0	
28' 9	8' 10	87.8%	140,576	3,347	532,138	532.14	<b>536.81</b>	365.76	23.94	11.60	<b>6,227.0</b>	<b>196,344</b>	18.0	
28' 10	8' 9	88.0%	140,764	3,352	532,851	532.85	<b>537.53</b>	365.77	23.95	11.62	<b>6,246.1</b>	<b>196,612</b>	18.0	
28' 11	8' 8	88.1%	140,953	3,356	533,564	533.56	<b>538.25</b>	365.77	23.97	11.65	<b>6,270.6</b>	<b>196,876</b>	18.0	
29' 0	8' 7	88.2%	141,141	3,361	534,277	534.28	<b>538.97</b>	365.77	23.99	11.67	<b>6,289.8</b>	<b>197,139</b>	18.0	
29' 1	8' 6	88.3%	141,329	3,365	534,990	534.99	<b>539.69</b>	365.77	24.00	11.69	<b>6,309.0</b>	<b>197,402</b>	18.0	
29' 2	8' 5	88.4%	141,518	3,369	535,702	535.70	<b>540.41</b>	365.78	24.02	11.72	<b>6,333.6</b>	<b>197,671</b>	18.0	
29' 3	8' 4	88.5%	141,706	3,374	536,415	536.42	<b>541.13</b>	365.78	24.04	11.74	<b>6,352.9</b>	<b>197,935</b>	18.0	
29' 4	8' 3	88.7%	141,894	3,378	537,128	537.13	<b>541.85</b>	365.78	24.05	11.76	<b>6,372.2</b>	<b>198,198</b>	18.0	
29' 5	8' 2	88.8%	142,083	3,383	537,841	537.84	<b>542.57</b>	365.78	24.07	11.79	<b>6,396.9</b>	<b>198,461</b>	18.0	
29' 6	8' 1	88.9%	142,271	3,387	538,554	538.55	<b>543.29</b>	365.78	24.09	11.81	<b>6,416.3</b>	<b>198,725</b>	18.0	
29' 7	8' 0	89.0%	142,459	3,392	539,266	539.27	<b>544.01</b>	365.79	24.10	11.83	<b>6,435.6</b>	<b>198,993</b>	18.0	
29' 8	7' 11	89.1%	142,647	3,396	539,978	539.98	<b>544.72</b>	365.79	24.12	11.86	<b>6,460.4</b>	<b>199,253</b>	18.0	
29' 9	7' 10	89.2%	142,835	3,401	540,691	540.69	<b>545.44</b>	365.79	24.14	11.88	<b>6,479.8</b>	<b>199,516</b>	18.0	
29' 10	7' 9	89.4%	143,024	3,405	541,404	541.40	<b>546.16</b>	365.79	24.15	11.90	<b>6,499.3</b>	<b>199,780</b>	18.0	
29' 11	7' 8	89.5%	143,212	3,410	542,116	542.12	<b>546.88</b>	365.79	24.17	11.93	<b>6,524.3</b>	<b>200,043</b>	18.0	
30' 0	7' 7	89.6%	143,400	3,414	542,828	542.83	<b>547.60</b>	365.80	24.18	11.95	<b>6,543.8</b>	<b>200,312</b>	18.0	
30' 1	7' 6	89.7%	143,588	3,419	543,540	543.54	<b>548.32</b>	365.80	24.20	11.98	<b>6,568.9</b>	<b>200,575</b>	17.9	
30' 2	7' 5	89.8%	143,776	3,423	544,253	544.25	<b>549.04</b>	365.80	24.22	12.00	<b>6,588.5</b>	<b>200,839</b>	17.9	
30' 3	7' 4	90.0%	143,964	3,428	544,965	544.96	<b>549.75</b>	365.80	24.23	12.02	<b>6,608.0</b>	<b>201,099</b>	17.9	

Tank		Ballast #6 STBD												
Specific Gravity		1.025												
Trim		0												
Capacity		160,044 Gallons												
Label(s)		Ball#6.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
30' 4	7' 3	90.1%	144,153	3,432	545,677	545.68	550.47	365.80	24.25	12.05	6,633.2	201,362	17.9	
30' 5	7' 2	90.2%	144,341	3,437	546,389	546.39	551.19	365.81	24.27	12.07	6,652.9	201,631	17.9	
30' 6	7' 1	90.3%	144,529	3,441	547,101	547.10	551.91	365.81	24.28	12.10	6,678.1	201,894	17.9	
30' 7	7' 0	90.4%	144,717	3,446	547,813	547.81	552.63	365.81	24.30	12.12	6,697.9	202,158	17.9	
30' 8	6' 11	90.5%	144,905	3,450	548,525	548.53	553.35	365.81	24.31	12.15	6,723.2	202,421	17.9	
30' 9	6' 10	90.7%	145,093	3,455	549,237	549.24	554.06	365.81	24.33	12.17	6,742.9	202,681	17.9	
30' 10	6' 9	90.8%	145,281	3,459	549,949	549.95	554.78	365.82	24.34	12.19	6,762.8	202,950	17.9	
30' 11	6' 8	90.9%	145,469	3,464	550,660	550.66	555.50	365.82	24.36	12.22	6,788.2	203,213	17.9	
31' 0	6' 7	91.0%	145,657	3,468	551,372	551.37	556.22	365.82	24.38	12.24	6,808.1	203,476	17.9	
31' 1	6' 6	91.1%	145,845	3,473	552,084	552.08	556.94	365.82	24.39	12.27	6,833.7	203,740	17.9	
31' 2	6' 5	91.2%	146,033	3,477	552,796	552.80	557.65	365.82	24.41	12.29	6,853.5	204,000	17.9	
31' 3	6' 4	91.4%	146,221	3,481	553,507	553.51	558.37	365.83	24.42	12.32	6,879.1	204,268	17.9	
31' 4	6' 3	91.5%	146,409	3,486	554,219	554.22	559.09	365.83	24.44	12.34	6,899.2	204,532	17.9	
31' 5	6' 2	91.6%	146,597	3,490	554,930	554.93	559.81	365.83	24.45	12.37	6,924.8	204,795	17.9	
31' 6	6' 1	91.7%	146,785	3,495	555,642	555.64	560.53	365.83	24.47	12.39	6,945.0	205,059	17.9	
31' 7	6' 0	91.8%	146,973	3,499	556,353	556.35	561.24	365.83	24.48	12.42	6,970.6	205,318	17.9	
31' 8	5' 11	92.0%	147,161	3,504	557,065	557.06	561.96	365.84	24.50	12.44	6,990.8	205,587	17.9	
31' 9	5' 10	92.1%	147,349	3,508	557,776	557.78	562.68	365.84	24.51	12.47	7,016.6	205,851	17.9	
31' 10	5' 9	92.2%	147,537	3,513	558,488	558.49	563.40	365.84	24.53	12.49	7,036.9	206,114	17.9	
31' 11	5' 8	92.3%	147,725	3,517	559,199	559.20	564.11	365.84	24.55	12.52	7,062.7	206,374	17.9	
32' 0	5' 7	92.4%	147,913	3,522	559,910	559.91	564.83	365.84	24.56	12.54	7,083.0	206,637	17.9	
32' 1	5' 6	92.5%	148,100	3,526	560,621	560.62	565.55	365.85	24.58	12.57	7,109.0	206,906	17.9	
32' 2	5' 5	92.7%	148,288	3,531	561,332	561.33	566.27	365.85	24.59	12.59	7,129.3	207,170	17.9	
32' 3	5' 4	92.8%	148,476	3,535	562,043	562.04	566.98	365.85	24.61	12.62	7,155.3	207,430	17.9	
32' 4	5' 3	92.9%	148,664	3,540	562,754	562.75	567.70	365.85	24.62	12.64	7,175.7	207,693	17.8	
32' 5	5' 2	93.0%	148,852	3,544	563,465	563.46	568.42	365.85	24.64	12.67	7,201.9	207,956	17.8	
32' 6	5' 1	93.1%	149,040	3,549	564,176	564.18	569.13	365.86	24.65	12.69	7,222.3	208,222	17.8	
32' 7	5' 0	93.2%	149,227	3,553	564,887	564.89	569.85	365.86	24.67	12.72	7,248.5	208,485	17.8	
32' 8	4' 11	93.4%	149,415	3,558	565,597	565.60	570.57	365.86	24.68	12.74	7,269.1	208,749	17.8	
32' 9	4' 10	93.5%	149,603	3,562	566,308	566.31	571.29	365.86	24.70	12.77	7,295.4	209,012	17.8	
32' 10	4' 9	93.6%	149,791	3,566	567,019	567.02	572.0	365.86	24.71	12.79	7,315.9	209,272	17.8	
32' 11	4' 8	93.7%	149,978	3,571	567,730	567.73	572.72	365.87	24.73	12.82	7,342.3	209,541	17.8	
33' 0	4' 7	93.8%	150,166	3,575	568,440	568.44	573.44	365.87	24.74	12.84	7,363.0	209,804	17.8	



Tank		Ballast #6 STBD												
Specific Gravity		1.025												
Trim		0												
Capacity		160,044 Gallons												
Label(s)		Ball#6.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
33' 1	4' 6	93.9%	150,354	3,580	569,151	569.15	<b>574.15</b>	365.87	24.75	12.87	<b>7,389.3</b>	<b>210,064</b>	17.8	
33' 2	4' 5	94.1%	150,541	3,584	569,861	569.86	<b>574.87</b>	365.87	24.77	12.89	<b>7,410.1</b>	<b>210,328</b>	17.8	
33' 3	4' 4	94.2%	150,729	3,589	570,572	570.57	<b>575.59</b>	365.87	24.78	12.92	<b>7,436.6</b>	<b>210,591</b>	17.8	
33' 4	4' 3	94.3%	150,917	3,593	571,282	571.28	<b>576.30</b>	365.87	24.80	12.95	<b>7,463.1</b>	<b>210,851</b>	17.8	
33' 5	4' 2	94.4%	151,104	3,598	571,992	571.99	<b>577.02</b>	365.88	24.81	12.97	<b>7,483.9</b>	<b>211,120</b>	17.8	
33' 6	4' 1	94.5%	151,292	3,602	572,703	572.70	<b>577.74</b>	365.88	24.83	13.00	<b>7,510.6</b>	<b>211,384</b>	17.8	
33' 7	4' 0	94.6%	151,480	3,607	573,413	573.41	<b>578.45</b>	365.88	24.84	13.02	<b>7,531.4</b>	<b>211,643</b>	17.8	
33' 8	3' 11	94.8%	151,667	3,611	574,123	574.12	<b>579.17</b>	365.88	24.86	13.05	<b>7,558.2</b>	<b>211,907</b>	17.8	
33' 9	3' 10	94.9%	151,855	3,616	574,833	574.83	<b>579.89</b>	365.88	24.87	13.07	<b>7,579.2</b>	<b>212,170</b>	17.8	
33' 10	3' 9	95.0%	152,043	3,620	575,543	575.54	<b>580.60</b>	365.89	24.89	13.10	<b>7,605.9</b>	<b>212,436</b>	17.8	
33' 11	3' 8	95.1%	152,230	3,625	576,253	576.25	<b>581.32</b>	365.89	24.90	13.13	<b>7,632.7</b>	<b>212,699</b>	17.8	
34' 0	3' 7	95.2%	152,418	3,629	576,963	576.96	<b>582.03</b>	365.89	24.91	13.15	<b>7,653.7</b>	<b>212,959</b>	17.8	
34' 1	3' 6	95.4%	152,605	3,633	577,674	577.67	<b>582.75</b>	365.89	24.93	13.18	<b>7,680.6</b>	<b>213,222</b>	17.8	
34' 2	3' 5	95.5%	152,793	3,638	578,383	578.38	<b>583.47</b>	365.89	24.94	13.20	<b>7,701.8</b>	<b>213,486</b>	17.8	
34' 3	3' 4	95.6%	152,980	3,642	579,093	579.09	<b>584.18</b>	365.89	24.96	13.23	<b>7,728.7</b>	<b>213,746</b>	17.8	
34' 4	3' 3	95.7%	153,168	3,647	579,803	579.80	<b>584.90</b>	365.90	24.97	13.26	<b>7,755.8</b>	<b>214,015</b>	17.8	
34' 5	3' 2	95.8%	153,355	3,651	580,513	580.51	<b>585.61</b>	365.90	24.98	13.28	<b>7,776.9</b>	<b>214,275</b>	17.8	
34' 6	3' 1	95.9%	153,543	3,656	581,222	581.22	<b>586.33</b>	365.90	25.00	13.31	<b>7,804.1</b>	<b>214,538</b>	17.8	
34' 7	3' 0	96.1%	153,730	3,660	581,932	581.93	<b>587.05</b>	365.90	25.01	13.33	<b>7,825.4</b>	<b>214,802</b>	17.8	
34' 8	2' 11	96.2%	153,918	3,665	582,642	582.64	<b>587.76</b>	365.90	25.03	13.36	<b>7,852.5</b>	<b>215,061</b>	17.7	
34' 9	2' 10	96.3%	154,105	3,669	583,351	583.35	<b>588.48</b>	365.90	25.04	13.39	<b>7,879.7</b>	<b>215,325</b>	17.7	
34' 10	2' 9	96.4%	154,293	3,674	584,061	584.06	<b>589.19</b>	365.91	25.05	13.41	<b>7,901.0</b>	<b>215,591</b>	17.7	
34' 11	2' 8	96.5%	154,480	3,678	584,770	584.77	<b>589.91</b>	365.91	25.07	13.44	<b>7,928.4</b>	<b>215,854</b>	17.7	
35' 0	2' 7	96.6%	154,668	3,683	585,480	585.48	<b>590.63</b>	365.91	25.08	13.47	<b>7,955.8</b>	<b>216,117</b>	17.7	
35' 1	2' 6	96.8%	154,855	3,687	586,189	586.19	<b>591.34</b>	365.91	25.10	13.49	<b>7,977.2</b>	<b>216,377</b>	17.7	
35' 2	2' 5	96.9%	155,042	3,691	586,899	586.90	<b>592.06</b>	365.91	25.11	13.52	<b>8,004.7</b>	<b>216,641</b>	17.7	
35' 3	2' 4	97.0%	155,230	3,696	587,608	587.61	<b>592.77</b>	365.92	25.12	13.54	<b>8,026.1</b>	<b>216,906</b>	17.7	
35' 4	2' 3	97.1%	155,417	3,700	588,317	588.32	<b>593.49</b>	365.92	25.14	13.57	<b>8,053.7</b>	<b>217,170</b>	17.7	
35' 5	2' 2	97.2%	155,604	3,705	589,026	589.03	<b>594.20</b>	365.92	25.15	13.60	<b>8,081.1</b>	<b>217,430</b>	17.7	
35' 6	2' 1	97.3%	155,792	3,709	589,735	589.74	<b>594.92</b>	365.92	25.16	13.62	<b>8,102.8</b>	<b>217,693</b>	17.7	
35' 7	2' 0	97.5%	155,979	3,714	590,445	590.44	<b>595.63</b>	365.92	25.18	13.65	<b>8,130.3</b>	<b>217,953</b>	17.7	
35' 8	1' 11	97.6%	156,166	3,718	591,154	591.15	<b>596.35</b>	365.92	25.19	13.68	<b>8,158.1</b>	<b>218,216</b>	17.7	
35' 9	1' 10	97.7%	156,354	3,723	591,863	591.86	<b>597.06</b>	365.93	25.21	13.70	<b>8,179.7</b>	<b>218,482</b>	17.7	

Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
35' 10	1' 9	97.8%	156,541	3,727	592,571	592.57	<b>597.78</b>	365.93	25.22	13.73	<b>8,207.5</b>	<b>218,746</b>	17.7
35' 11	1' 8	97.9%	156,728	3,732	593,280	593.28	<b>598.49</b>	365.93	25.23	13.76	<b>8,235.2</b>	<b>219,005</b>	17.7
36' 0	1' 7	98.0%	156,915	3,736	593,989	593.99	<b>599.21</b>	365.93	25.25	13.78	<b>8,257.1</b>	<b>219,269</b>	17.7
36' 1	1' 6	98.2%	157,103	3,741	594,698	594.70	<b>599.92</b>	365.93	25.26	13.81	<b>8,284.9</b>	<b>219,529</b>	17.7
36' 2	1' 5	98.3%	157,290	3,745	595,407	595.41	<b>600.64</b>	365.93	25.27	13.84	<b>8,312.9</b>	<b>219,792</b>	17.7
36' 3	1' 4	98.4%	157,477	3,749	596,115	596.12	<b>601.35</b>	365.94	25.29	13.86	<b>8,334.7</b>	<b>220,058</b>	17.7
36' 4	1' 3	98.5%	157,664	3,754	596,824	596.82	<b>602.07</b>	365.94	25.30	13.89	<b>8,362.8</b>	<b>220,321</b>	17.7
36' 5	1' 2	98.6%	157,851	3,758	597,533	597.53	<b>602.78</b>	365.94	25.31	13.92	<b>8,390.7</b>	<b>220,581</b>	17.6
36' 6	1' 1	98.7%	158,038	3,763	598,239	598.24	<b>603.50</b>	365.94	25.33	13.94	<b>8,412.8</b>	<b>220,845</b>	17.4
36' 7	1' 0	98.9%	158,224	3,767	598,942	598.94	<b>604.21</b>	365.94	25.34	13.97	<b>8,440.8</b>	<b>221,105</b>	17.2
36' 8	0' 11	99.0%	158,409	3,772	599,644	599.64	<b>604.91</b>	365.94	25.35	14.00	<b>8,468.7</b>	<b>221,361</b>	17.0
36' 9	0' 10	99.1%	158,594	3,776	600,342	600.34	<b>605.62</b>	365.95	25.37	14.03	<b>8,496.8</b>	<b>221,627</b>	16.8
36' 10	0' 9	99.2%	158,777	3,780	601,036	601.04	<b>606.32</b>	365.95	25.38	14.05	<b>8,518.8</b>	<b>221,883</b>	16.5
36' 11	0' 8	99.3%	158,959	3,785	601,725	601.73	<b>607.01</b>	365.95	25.39	14.08	<b>8,546.7</b>	<b>222,135</b>	15.9
37' 0	0' 7	99.4%	159,138	3,789	602,404	602.40	<b>607.70</b>	365.95	25.40	14.10	<b>8,568.6</b>	<b>222,388</b>	15.2
37' 1	0' 6	99.5%	159,315	3,793	603,073	603.07	<b>608.37</b>	365.95	25.42	14.13	<b>8,596.3</b>	<b>222,633</b>	14.5
37' 2	0' 5	99.7%	159,489	3,797	603,730	603.73	<b>609.04</b>	365.95	25.43	14.16	<b>8,624.0</b>	<b>222,878</b>	13.7
37' 3	0' 4	99.8%	159,658	3,801	604,373	604.37	<b>609.68</b>	365.95	25.44	14.18	<b>8,645.3</b>	<b>223,112</b>	12.7
37' 4	0' 3	99.9%	159,821	3,805	604,989	604.99	<b>610.31</b>	365.96	25.45	14.20	<b>8,666.4</b>	<b>223,349</b>	10.7
37' 5	0' 2	100.0%	159,976	3,809	605,575	605.57	<b>610.90</b>	365.96	25.46	14.23	<b>8,693.1</b>	<b>223,565</b>	9.2
37' 5 1/2	0' 1	100.0%	160,044	3,811	605,832	605.83	<b>611.16</b>	365.96	25.46	14.24	<b>8,702.9</b>	<b>223,660</b>	1.9

Tank		Fuel STBD											
Specific Gravity		0.87											
Trim		0											
Capacity		25,488 Gallons											
Label(s)		Fuel.s											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
0' 1	14' 5	1.01%	256	6	970	0.97	<b>0.83</b>	306.00	24.10	40.90	<b>33.9</b>	<b>254</b>	238.1
0' 2	14' 4	1.74%	443	11	1,677	1.68	<b>1.44</b>	306.00	24.10	40.94	<b>59.0</b>	<b>441</b>	238.1
0' 3	14' 3	2.47%	630	15	2,384	2.38	<b>2.04</b>	306.00	24.10	40.98	<b>83.6</b>	<b>624</b>	238.1
0' 4	14' 2	3.20%	816	19	3,090	3.09	<b>2.65</b>	306.00	24.10	41.02	<b>108.7</b>	<b>811</b>	238.1
0' 5	14' 1	3.94%	1,003	24	3,797	3.80	<b>3.25</b>	306.00	24.10	41.07	<b>133.5</b>	<b>995</b>	238.1
0' 6	14' 0	4.67%	1,190	28	4,504	4.50	<b>3.86</b>	306.00	24.10	41.11	<b>158.7</b>	<b>1,181</b>	238.1
0' 7	13' 11	5.40%	1,377	33	5,211	5.21	<b>4.46</b>	306.00	24.10	41.15	<b>183.5</b>	<b>1,365</b>	238.1
0' 8	13' 10	6.13%	1,563	37	5,918	5.92	<b>5.07</b>	306.00	24.10	41.19	<b>208.8</b>	<b>1,551</b>	238.1
0' 9	13' 9	6.87%	1,750	42	6,625	6.62	<b>5.67</b>	306.00	24.10	41.23	<b>233.8</b>	<b>1,735</b>	238.1
0' 10	13' 8	7.60%	1,937	46	7,332	7.33	<b>6.28</b>	306.00	24.10	41.27	<b>259.2</b>	<b>1,922</b>	238.1
0' 11	13' 7	8.33%	2,124	51	8,039	8.04	<b>6.88</b>	306.00	24.10	41.32	<b>284.3</b>	<b>2,105</b>	238.1
1' 0	13' 6	9.06%	2,310	55	8,745	8.75	<b>7.49</b>	306.00	24.10	41.36	<b>309.8</b>	<b>2,292</b>	238.1
1' 1	13' 5	9.80%	2,497	59	9,452	9.45	<b>8.09</b>	306.00	24.10	41.40	<b>334.9</b>	<b>2,476</b>	238.1
1' 2	13' 4	10.53%	2,684	64	10,159	10.16	<b>8.70</b>	306.00	24.10	41.44	<b>360.5</b>	<b>2,662</b>	238.1
1' 3	13' 3	11.26%	2,871	68	10,866	10.87	<b>9.30</b>	306.00	24.10	41.48	<b>385.8</b>	<b>2,846</b>	238.1
1' 4	13' 2	11.99%	3,057	73	11,573	11.57	<b>9.91</b>	306.00	24.10	41.52	<b>411.5</b>	<b>3,032</b>	238.1
1' 5	13' 1	12.73%	3,244	77	12,280	12.28	<b>10.51</b>	306.00	24.10	41.57	<b>436.9</b>	<b>3,216</b>	238.1
1' 6	13' 0	13.46%	3,431	82	12,987	12.99	<b>11.12</b>	306.00	24.10	41.61	<b>462.7</b>	<b>3,403</b>	238.1
1' 7	12' 11	14.19%	3,617	86	13,694	13.69	<b>11.73</b>	306.00	24.10	41.65	<b>488.6</b>	<b>3,589</b>	238.1
1' 8	12' 10	14.93%	3,804	91	14,401	14.40	<b>12.33</b>	306.00	24.10	41.69	<b>514.0</b>	<b>3,773</b>	238.1
1' 9	12' 9	15.66%	3,991	95	15,107	15.11	<b>12.94</b>	306.00	24.10	41.73	<b>540.0</b>	<b>3,960</b>	238.1
1' 10	12' 8	16.39%	4,178	99	15,814	15.81	<b>13.54</b>	306.00	24.10	41.77	<b>565.6</b>	<b>4,143</b>	238.1
1' 11	12' 7	17.12%	4,364	104	16,521	16.52	<b>14.15</b>	306.00	24.10	41.82	<b>591.8</b>	<b>4,330</b>	238.1
2' 0	12' 6	17.86%	4,551	108	17,228	17.23	<b>14.75</b>	306.00	24.10	41.86	<b>617.4</b>	<b>4,514</b>	238.1
2' 1	12' 5	18.59%	4,738	113	17,935	17.93	<b>15.36</b>	306.00	24.10	41.90	<b>643.6</b>	<b>4,700</b>	238.1
2' 2	12' 4	19.32%	4,925	117	18,642	18.64	<b>15.96</b>	306.00	24.10	41.94	<b>669.4</b>	<b>4,884</b>	238.1
2' 3	12' 3	20.05%	5,111	122	19,349	19.35	<b>16.57</b>	306.00	24.10	41.98	<b>695.6</b>	<b>5,070</b>	238.1
2' 4	12' 2	20.79%	5,298	126	20,055	20.06	<b>17.17</b>	306.00	24.10	42.02	<b>721.5</b>	<b>5,254</b>	238.1
2' 5	12' 1	21.52%	5,485	131	20,762	20.76	<b>17.78</b>	306.00	24.10	42.07	<b>748.0</b>	<b>5,441</b>	238.1
2' 6	12' 0	22.25%	5,672	135	21,469	21.47	<b>18.38</b>	306.00	24.10	42.11	<b>774.0</b>	<b>5,624</b>	238.1
2' 7	11' 11	22.98%	5,858	139	22,176	22.18	<b>18.99</b>	306.00	24.10	42.15	<b>800.4</b>	<b>5,811</b>	238.1

Tank		Fuel STBD												
Specific Gravity		0.87												
Trim		0												
Capacity		25,488 Gallons												
Label(s)		Fuel.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
2' 8	11' 10	23.72%	6,045	144	22,883	22.88	19.59	306.00	24.10	42.19	826.5	5,995	238.1	
2' 9	11' 9	24.45%	6,232	148	23,590	23.59	20.20	306.00	24.10	42.23	853.0	6,181	238.1	
2' 10	11' 8	25.18%	6,419	153	24,297	24.30	20.80	306.00	24.10	42.27	879.2	6,365	238.1	
2' 11	11' 7	25.92%	6,605	157	25,004	25.0	21.41	306.00	24.10	42.32	906.1	6,551	238.1	
3' 0	11' 6	26.65%	6,792	162	25,711	25.71	22.01	306.00	24.10	42.36	932.3	6,735	238.1	
3' 1	11' 5	27.38%	6,979	166	26,417	26.42	22.62	306.00	24.10	42.40	959.1	6,922	238.1	
3' 2	11' 4	28.11%	7,165	171	27,124	27.12	23.22	306.00	24.10	42.44	985.5	7,105	238.1	
3' 3	11' 3	28.85%	7,352	175	27,831	27.83	23.83	306.00	24.10	42.48	1,012.3	7,292	238.1	
3' 4	11' 2	29.58%	7,539	179	28,538	28.54	24.44	306.00	24.10	42.52	1,039.2	7,479	238.1	
3' 5	11' 1	30.31%	7,726	184	29,245	29.24	25.04	306.00	24.10	42.57	1,066.0	7,662	238.1	
3' 6	11' 0	31.04%	7,912	188	29,952	29.95	25.65	306.00	24.10	42.61	1,092.9	7,849	238.1	
3' 7	10' 11	31.78%	8,099	193	30,659	30.66	26.25	306.00	24.10	42.65	1,119.6	8,033	238.1	
3' 8	10' 10	32.51%	8,286	197	31,366	31.37	26.86	306.00	24.10	42.69	1,146.7	8,219	238.1	
3' 9	10' 9	33.24%	8,473	202	32,072	32.07	27.46	306.00	24.10	42.73	1,173.4	8,403	238.1	
3' 10	10' 8	33.97%	8,659	206	32,779	32.78	28.07	306.00	24.10	42.77	1,200.6	8,589	238.1	
3' 11	10' 7	34.71%	8,846	211	33,486	33.49	28.67	306.00	24.10	42.82	1,227.6	8,773	238.1	
4' 0	10' 6	35.44%	9,033	215	34,193	34.19	29.28	306.00	24.10	42.86	1,254.9	8,960	238.1	
4' 1	10' 5	36.17%	9,220	220	34,900	34.90	29.88	306.00	24.10	42.90	1,281.9	9,143	238.1	
4' 2	10' 4	36.90%	9,406	224	35,607	35.61	30.49	306.00	24.10	42.94	1,309.2	9,330	238.1	
4' 3	10' 3	37.64%	9,593	228	36,314	36.31	31.09	306.00	24.10	42.98	1,336.2	9,514	238.1	
4' 4	10' 2	38.37%	9,780	233	37,021	37.02	31.70	306.00	24.10	43.02	1,363.7	9,700	238.1	
4' 5	10' 1	39.10%	9,967	237	37,727	37.73	32.30	306.00	24.10	43.07	1,391.2	9,884	238.1	
4' 6	10' 0	39.84%	10,153	242	38,434	38.43	32.91	306.00	24.10	43.11	1,418.8	10,070	238.1	
4' 7	9' 11	40.57%	10,340	246	39,141	39.14	33.51	306.00	24.10	43.15	1,446.0	10,254	238.1	
4' 8	9' 10	41.30%	10,527	251	39,848	39.85	34.12	306.00	24.10	43.19	1,473.6	10,441	238.1	
4' 9	9' 9	42.03%	10,713	255	40,555	40.55	34.72	306.00	24.10	43.23	1,500.9	10,624	238.1	
4' 10	9' 8	42.77%	10,900	260	41,262	41.26	35.33	306.00	24.10	43.27	1,528.7	10,811	238.1	
4' 11	9' 7	43.50%	11,087	264	41,969	41.97	35.94	306.00	24.10	43.32	1,556.9	10,998	238.1	
5' 0	9' 6	44.23%	11,274	268	42,676	42.68	36.54	306.00	24.10	43.36	1,584.4	11,181	238.1	
5' 1	9' 5	44.96%	11,460	273	43,382	43.38	37.15	306.00	24.10	43.40	1,612.3	11,368	238.1	
5' 2	9' 4	45.70%	11,647	277	44,089	44.09	37.75	306.00	24.10	43.44	1,639.9	11,552	238.1	

Tank		Fuel STBD												
Specific Gravity		0.87												
Trim		0												
Capacity		25,488 Gallons												
Label(s)		Fuel.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
5' 3	9' 3	46.43%	11,834	282	44,796	44.80	<b>38.36</b>	306.00	24.10	43.48	<b>1,667.9</b>	<b>11,738</b>	238.1	
5' 4	9' 2	47.16%	12,021	286	45,503	45.50	<b>38.96</b>	306.00	24.10	43.52	<b>1,695.5</b>	<b>11,922</b>	238.1	
5' 5	9' 1	47.89%	12,207	291	46,210	46.21	<b>39.57</b>	306.00	24.10	43.57	<b>1,724.1</b>	<b>12,108</b>	238.1	
5' 6	9' 0	48.63%	12,394	295	46,917	46.92	<b>40.17</b>	306.00	24.10	43.61	<b>1,751.8</b>	<b>12,292</b>	238.1	
5' 7	8' 11	49.36%	12,581	300	47,624	47.62	<b>40.78</b>	306.00	24.10	43.65	<b>1,780.0</b>	<b>12,479</b>	238.1	
5' 8	8' 10	50.09%	12,768	304	48,331	48.33	<b>41.38</b>	306.00	24.10	43.69	<b>1,807.9</b>	<b>12,662</b>	238.1	
5' 9	8' 9	50.83%	12,954	308	49,037	49.04	<b>41.99</b>	306.00	24.10	43.73	<b>1,836.2</b>	<b>12,849</b>	238.1	
5' 10	8' 8	51.56%	13,141	313	49,744	49.74	<b>42.59</b>	306.00	24.10	43.77	<b>1,864.2</b>	<b>13,033</b>	238.1	
5' 11	8' 7	52.29%	13,328	317	50,451	50.45	<b>43.20</b>	306.00	24.10	43.82	<b>1,893.0</b>	<b>13,219</b>	238.1	
6' 0	8' 6	53.02%	13,515	322	51,158	51.16	<b>43.80</b>	306.00	24.10	43.86	<b>1,921.1</b>	<b>13,403</b>	238.1	
6' 1	8' 5	53.76%	13,701	326	51,865	51.86	<b>44.41</b>	306.00	24.10	43.90	<b>1,949.6</b>	<b>13,589</b>	238.1	
6' 2	8' 4	54.49%	13,888	331	52,572	52.57	<b>45.01</b>	306.00	24.10	43.94	<b>1,977.7</b>	<b>13,773</b>	238.1	
6' 3	8' 3	55.22%	14,075	335	53,279	53.28	<b>45.62</b>	306.00	24.10	43.98	<b>2,006.4</b>	<b>13,960</b>	238.1	
6' 4	8' 2	55.95%	14,261	340	53,986	53.99	<b>46.22</b>	306.00	24.10	44.02	<b>2,034.6</b>	<b>14,143</b>	238.1	
6' 5	8' 1	56.69%	14,448	344	54,692	54.69	<b>46.83</b>	306.00	24.10	44.07	<b>2,063.8</b>	<b>14,330</b>	238.1	
6' 6	8' 0	57.42%	14,635	348	55,399	55.40	<b>47.44</b>	306.00	24.10	44.11	<b>2,092.6</b>	<b>14,517</b>	238.1	
6' 7	7' 11	58.15%	14,822	353	56,106	56.11	<b>48.04</b>	306.00	24.10	44.15	<b>2,121.0</b>	<b>14,700</b>	238.1	
6' 8	7' 10	58.88%	15,008	357	56,813	56.81	<b>48.65</b>	306.00	24.10	44.19	<b>2,149.8</b>	<b>14,887</b>	238.1	
6' 9	7' 9	59.62%	15,195	362	57,520	57.52	<b>49.25</b>	306.00	24.10	44.23	<b>2,178.3</b>	<b>15,071</b>	238.1	
6' 10	7' 8	60.35%	15,382	366	58,227	58.23	<b>49.86</b>	306.00	24.10	44.27	<b>2,207.3</b>	<b>15,257</b>	238.1	
6' 11	7' 7	61.08%	15,569	371	58,934	58.93	<b>50.46</b>	306.00	24.10	44.32	<b>2,236.4</b>	<b>15,441</b>	238.1	
7' 0	7' 6	61.81%	15,755	375	59,641	59.64	<b>51.07</b>	306.00	24.10	44.36	<b>2,265.5</b>	<b>15,627</b>	238.1	
7' 1	7' 5	62.55%	15,942	380	60,347	60.35	<b>51.67</b>	306.00	24.10	44.40	<b>2,294.1</b>	<b>15,811</b>	238.1	
7' 2	7' 4	63.28%	16,129	384	61,054	61.05	<b>52.28</b>	306.00	24.10	44.44	<b>2,323.3</b>	<b>15,998</b>	238.1	
7' 3	7' 3	64.01%	16,316	388	61,761	61.76	<b>52.88</b>	306.00	24.10	44.48	<b>2,352.1</b>	<b>16,181</b>	238.1	
7' 4	7' 2	64.75%	16,502	393	62,468	62.47	<b>53.49</b>	306.00	24.10	44.52	<b>2,381.4</b>	<b>16,368</b>	238.1	
7' 5	7' 1	65.48%	16,689	397	63,175	63.18	<b>54.09</b>	306.00	24.10	44.57	<b>2,410.8</b>	<b>16,552</b>	238.1	
7' 6	7' 0	66.21%	16,876	402	63,882	63.88	<b>54.70</b>	306.00	24.10	44.61	<b>2,440.2</b>	<b>16,738</b>	238.1	
7' 7	6' 11	66.94%	17,063	406	64,589	64.59	<b>55.30</b>	306.00	24.10	44.65	<b>2,469.1</b>	<b>16,922</b>	238.1	
7' 8	6' 10	67.68%	17,249	411	65,296	65.30	<b>55.91</b>	306.00	24.10	44.69	<b>2,498.6</b>	<b>17,108</b>	238.1	
7' 9	6' 9	68.41%	17,436	415	66,002	66.0	<b>56.51</b>	306.00	24.10	44.73	<b>2,527.7</b>	<b>17,292</b>	238.1	

Tank		Fuel STBD												
Specific Gravity		0.87												
Trim		0												
Capacity		25,488 Gallons												
Label(s)		Fuel.s												
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM	
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)	
7' 10	6' 8	69.14%	17,623	420	66,709	66.71	<b>57.12</b>	306.00	24.10	44.77	<b>2,557.3</b>	<b>17,479</b>	238.1	
7' 11	6' 7	69.87%	17,809	424	67,416	67.42	<b>57.72</b>	306.00	24.10	44.82	<b>2,587.0</b>	<b>17,662</b>	238.1	
8' 0	6' 6	70.61%	17,996	428	68,123	68.12	<b>58.33</b>	306.00	24.10	44.86	<b>2,616.7</b>	<b>17,849</b>	238.1	
8' 1	6' 5	71.34%	18,183	433	68,830	68.83	<b>58.94</b>	306.00	24.10	44.90	<b>2,646.4</b>	<b>18,036</b>	238.1	
8' 2	6' 4	72.07%	18,370	437	69,537	69.54	<b>59.54</b>	306.00	24.10	44.94	<b>2,675.7</b>	<b>18,219</b>	238.1	
8' 3	6' 3	72.80%	18,556	442	70,244	70.24	<b>60.15</b>	306.00	24.10	44.98	<b>2,705.5</b>	<b>18,406</b>	238.1	
8' 4	6' 2	73.54%	18,743	446	70,951	70.95	<b>60.75</b>	306.00	24.10	45.02	<b>2,735.0</b>	<b>18,590</b>	238.1	
8' 5	6' 1	74.27%	18,930	451	71,658	71.66	<b>61.36</b>	306.00	24.10	45.07	<b>2,765.5</b>	<b>18,776</b>	238.1	
8' 6	6' 0	75.00%	19,117	455	72,364	72.36	<b>61.96</b>	306.00	24.10	45.11	<b>2,795.0</b>	<b>18,960</b>	238.1	
8' 7	5' 11	75.74%	19,303	460	73,071	73.07	<b>62.57</b>	306.00	24.10	45.15	<b>2,825.0</b>	<b>19,146</b>	238.1	
8' 8	5' 10	76.47%	19,490	464	73,778	73.78	<b>63.17</b>	306.00	24.10	45.19	<b>2,854.7</b>	<b>19,330</b>	238.1	
8' 9	5' 9	77.20%	19,677	468	74,485	74.49	<b>63.78</b>	306.00	24.10	45.23	<b>2,884.8</b>	<b>19,517</b>	238.1	
8' 10	5' 8	77.93%	19,864	473	75,192	75.19	<b>64.38</b>	306.00	24.10	45.27	<b>2,914.5</b>	<b>19,700</b>	238.1	
8' 11	5' 7	78.67%	20,050	477	75,899	75.90	<b>64.99</b>	306.00	24.10	45.32	<b>2,945.3</b>	<b>19,887</b>	238.1	
9' 0	5' 6	79.40%	20,237	482	76,606	76.61	<b>65.59</b>	306.00	24.10	45.36	<b>2,975.2</b>	<b>20,071</b>	238.1	
9' 1	5' 5	80.13%	20,424	486	77,312	77.31	<b>66.20</b>	306.00	24.10	45.40	<b>3,005.5</b>	<b>20,257</b>	238.1	
9' 2	5' 4	80.86%	20,611	491	78,019	78.02	<b>66.80</b>	306.00	24.10	45.44	<b>3,035.4</b>	<b>20,441</b>	238.1	
9' 3	5' 3	81.60%	20,797	495	78,726	78.73	<b>67.41</b>	306.00	24.10	45.48	<b>3,065.8</b>	<b>20,627</b>	238.1	
9' 4	5' 2	82.33%	20,984	500	79,433	79.43	<b>68.01</b>	306.00	24.10	45.52	<b>3,095.8</b>	<b>20,811</b>	238.1	
9' 5	5' 1	83.06%	21,171	504	80,140	80.14	<b>68.62</b>	306.00	24.10	45.57	<b>3,127.0</b>	<b>20,998</b>	238.1	
9' 6	5' 0	83.79%	21,357	509	80,847	80.85	<b>69.22</b>	306.00	24.10	45.61	<b>3,157.1</b>	<b>21,181</b>	238.1	
9' 7	4' 11	84.53%	21,544	513	81,554	81.55	<b>69.83</b>	306.00	24.10	45.65	<b>3,187.7</b>	<b>21,368</b>	238.1	
9' 8	4' 10	85.26%	21,731	517	82,261	82.26	<b>70.43</b>	306.00	24.10	45.69	<b>3,217.9</b>	<b>21,552</b>	238.1	
9' 9	4' 9	85.99%	21,918	522	82,967	82.97	<b>71.04</b>	306.00	24.10	45.73	<b>3,248.7</b>	<b>21,738</b>	238.1	
9' 10	4' 8	86.72%	22,104	526	83,674	83.67	<b>71.65</b>	306.00	24.10	45.77	<b>3,279.4</b>	<b>21,925</b>	238.1	
9' 11	4' 7	87.46%	22,291	531	84,381	84.38	<b>72.25</b>	306.00	24.10	45.82	<b>3,310.5</b>	<b>22,109</b>	238.1	
10' 0	4' 6	88.19%	22,478	535	85,088	85.09	<b>72.86</b>	306.00	24.10	45.86	<b>3,341.4</b>	<b>22,295</b>	238.1	
10' 1	4' 5	88.92%	22,665	540	85,795	85.79	<b>73.46</b>	306.00	24.10	45.90	<b>3,371.8</b>	<b>22,479</b>	238.1	
10' 2	4' 4	89.66%	22,851	544	86,502	86.50	<b>74.07</b>	306.00	24.10	45.94	<b>3,402.8</b>	<b>22,665</b>	238.1	
10' 3	4' 3	90.39%	23,038	549	87,209	87.21	<b>74.67</b>	306.00	24.10	45.98	<b>3,433.3</b>	<b>22,849</b>	238.1	
10' 4	4' 2	91.12%	23,225	553	87,916	87.92	<b>75.28</b>	306.00	24.10	46.02	<b>3,464.4</b>	<b>23,036</b>	238.1	

Tank		Fuel STBD											
Specific Gravity		0.87											
Trim		0											
Capacity		25,488 Gallons											
Label(s)		Fuel.s											
Reading		Load	Volume				Weight	Center of Gravity (ft)			Moments(Lt-ft)		FSM
Sounding	Ullage		(Gallons)	(BBL.)	(Liters)	(Meters^3)	(Lt)	LCG	TCG	VCG	V Mom	L Mom	(Lt-ft)
10' 5	4' 1	91.85%	23,412	557	88,622	88.62	<b>75.88</b>	306.00	24.10	46.07	<b>3,495.8</b>	<b>23,219</b>	238.1
10' 6	4' 0	92.59%	23,598	562	89,329	89.33	<b>76.49</b>	306.00	24.10	46.11	<b>3,527.0</b>	<b>23,406</b>	238.1
10' 7	3' 11	93.32%	23,785	566	90,036	90.04	<b>77.09</b>	306.00	24.10	46.15	<b>3,557.7</b>	<b>23,590</b>	238.1
10' 8	3' 10	94.05%	23,972	571	90,743	90.74	<b>77.70</b>	306.00	24.10	46.19	<b>3,589.0</b>	<b>23,776</b>	238.1
10' 9	3' 9	94.78%	24,159	575	91,450	91.45	<b>78.30</b>	306.00	24.10	46.23	<b>3,619.8</b>	<b>23,960</b>	238.1
10' 10	3' 8	95.52%	24,345	580	92,157	92.16	<b>78.91</b>	306.00	24.10	46.27	<b>3,651.2</b>	<b>24,146</b>	238.1
10' 11	3' 7	96.25%	24,532	584	92,864	92.86	<b>79.51</b>	306.00	24.10	46.32	<b>3,682.9</b>	<b>24,330</b>	238.1
11' 0	3' 6	96.98%	24,719	589	93,571	93.57	<b>80.12</b>	306.00	24.10	46.36	<b>3,714.4</b>	<b>24,517</b>	238.1
11' 1	3' 5	97.71%	24,905	593	94,277	94.28	<b>80.72</b>	306.00	24.10	46.40	<b>3,745.4</b>	<b>24,700</b>	238.1
11' 2	3' 4	98.45%	25,092	597	94,984	94.98	<b>81.33</b>	306.00	24.10	46.44	<b>3,777.0</b>	<b>24,887</b>	238.1
11' 3	3' 3	99.18%	25,279	602	95,691	95.69	<b>81.93</b>	306.00	24.10	46.48	<b>3,808.1</b>	<b>25,071</b>	238.1
11' 4	3' 2	99.75%	25,425	605	96,244	96.24	<b>82.41</b>	306.00	24.09	46.52	<b>3,833.7</b>	<b>25,217</b>	41.8
11' 5	3' 1	100.00%	25,488	607	96,482	96.48	<b>82.61</b>	306.00	24.07	46.53	<b>3,843.8</b>	<b>25,279</b>	0.4