

FOR MANUAL GAUGING AT 10" GAUGE HATCH LOCATED ON EXPANSION TRUNK

ULIAGE TABLE

TANK: 1 Port

HULL No. 05-2538

IN	2 FT		3 FT		4 FT		5 FT		6 FT		7 FT		8 FT		9 FT	
	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	3526.19	0	3286.19	0	3031.23	0	2775.78	0	2519.24	0	2262.70	0	2006.13	0	1749.56	0
1/4	3522.85	1/4	3280.86	1/4	3025.92	1/4	2770.43	1/4	2513.90	1/4	2257.36	1/4	2000.79	1/4	1744.22	1/4
1/2	3519.36	1/2	3275.57	1/2	3020.60	1/2	2765.09	1/2	2508.56	1/2	2252.01	1/2	1995.44	1/2	1738.87	1/2
3/4	3515.73	3/4	3270.25	3/4	3015.29	3/4	2759.74	3/4	2503.21	3/4	2246.67	3/4	1990.10	3/4	1733.53	3/4
1	3511.95	1	3264.94	1	3009.98	1	2754.40	1	2497.87	1	2241.32	1	1984.75	1	1728.18	1
1/4	3508.01	1/4	3259.63	1/4	3004.67	1/4	2749.05	1/4	2492.52	1/4	2235.98	1/4	1979.41	1/4	1722.94	1/4
1/2	3503.93	1/2	3254.32	1/2	2999.36	1/2	2743.71	1/2	2487.18	1/2	2230.63	1/2	1974.06	1/2	1717.49	1/2
3/4	3499.71	3/4	3249.01	3/4	2994.05	3/4	2738.36	3/4	2481.83	3/4	2225.28	3/4	1968.72	3/4	1712.15	3/4
2	3495.33	2	3243.70	2	2988.73	2	2733.02	2	2476.49	2	2219.94	2	1963.37	2	1706.80	2
1/4	3490.81	1/4	3238.38	1/4	2983.42	1/4	2727.68	1/4	2471.14	1/4	2214.59	1/4	1958.02	1/4	1701.46	1/4
1/2	3486.13	1/2	3233.07	1/2	2978.11	1/2	2722.33	1/2	2465.80	1/2	2209.25	1/2	1952.68	1/2	1696.11	1/2
3/4	3481.31	3/4	3227.76	3/4	2972.80	3/4	2716.99	3/4	2460.46	3/4	2203.90	3/4	1947.33	3/4	1690.76	3/4
3	3476.34	3	3222.45	3	2967.49	3	2711.64	3	2455.11	3	2198.56	3	1941.99	3	1685.42	3
1/4	3471.22	1/4	3217.14	1/4	2962.18	1/4	2706.30	1/4	2449.77	1/4	2193.21	1/4	1936.64	1/4	1680.07	1/4
1/2	3465.95	1/2	3211.83	1/2	2956.86	1/2	2700.95	1/2	2444.42	1/2	2187.87	1/2	1931.30	1/2	1674.73	1/2
3/4	3460.69	3/4	3206.51	3/4	2951.55	3/4	2695.61	3/4	2439.08	3/4	2182.52	3/4	1925.95	3/4	1669.38	3/4
4	3455.42	4	3201.20	4	2946.24	4	2690.27	4	2433.73	4	2177.18	4	1920.61	4	1664.04	4
1/4	3450.15	1/4	3195.89	1/4	2940.93	1/4	2684.92	1/4	2428.39	1/4	2171.83	1/4	1915.26	1/4	1658.69	1/4
1/2	3444.88	1/2	3190.58	1/2	2935.62	1/2	2679.58	1/2	2423.05	1/2	2166.49	1/2	1909.92	1/2	1653.35	1/2
3/4	3439.61	3/4	3185.27	3/4	2930.31	3/4	2674.23	3/4	2417.70	3/4	2161.14	3/4	1904.57	3/4	1648.00	3/4
5	3434.35	5	3179.96	5	2924.99	5	2668.89	5	2412.36	5	2155.80	5	1899.23	5	1642.66	5
1/4	3429.08	1/4	3174.64	1/4	2919.68	1/4	2663.54	1/4	2407.01	1/4	2150.45	1/4	1893.88	1/4	1637.31	1/4
1/2	3423.81	1/2	3169.33	1/2	2914.37	1/2	2658.20	1/2	2401.67	1/2	2145.11	1/2	1888.54	1/2	1631.97	1/2
3/4	3418.54	3/4	3164.02	3/4	2909.06	3/4	2652.85	3/4	2396.32	3/4	2139.76	3/4	1883.19	3/4	1626.62	3/4
6	3413.28	6	3158.71	6	2903.75	6	2647.51	6	2390.98	6	2134.42	6	1877.85	6	1621.28	6
1/4	3408.01	1/4	3153.40	1/4	2898.44	1/4	2642.17	1/4	2385.63	1/4	2129.07	1/4	1872.50	1/4	1615.93	1/4
1/2	3402.74	1/2	3148.09	1/2	2893.12	1/2	2636.82	1/2	2380.29	1/2	2123.73	1/2	1867.16	1/2	1610.59	1/2
3/4	3397.47	3/4	3142.77	3/4	2887.81	3/4	2631.48	3/4	2374.95	3/4	2118.38	3/4	1861.81	3/4	1605.24	3/4
7	3392.20	7	3137.46	7	2882.50	7	2626.13	7	2369.60	7	2113.04	7	1856.47	7	1599.90	7
1/4	3386.94	1/4	3132.15	1/4	2877.19	1/4	2620.79	1/4	2364.26	1/4	2107.69	1/4	1851.12	1/4	1594.55	1/4
1/2	3381.67	1/2	3126.84	1/2	2871.88	1/2	2615.44	1/2	2358.91	1/2	2102.35	1/2	1845.78	1/2	1589.21	1/2
3/4	3376.40	3/4	3121.53	3/4	2866.57	3/4	2610.10	3/4	2353.57	3/4	2097.00	3/4	1840.43	3/4	1583.86	3/4
8	3371.13	8	3116.21	8	2861.25	8	2604.75	8	2348.22	8	2091.65	8	1835.09	8	1578.52	8
1/4	3365.86	1/4	3110.90	1/4	2855.94	1/4	2599.41	1/4	2342.88	1/4	2086.31	1/4	1829.74	1/4	1573.17	1/4
1/2	3360.55	1/2	3105.59	1/2	2850.60	1/2	2594.07	1/2	2337.53	1/2	2080.96	1/2	1824.39	1/2	1567.83	1/2
3/4	3355.24	3/4	3100.28	3/4	2845.25	3/4	2588.72	3/4	2332.19	3/4	2075.62	3/4	1819.05	3/4	1562.48	3/4
9	3349.93	9	3094.97	9	2839.91	9	2583.38	9	2326.84	9	2070.27	9	1813.70	9	1557.13	9
1/4	3344.62	1/4	3089.66	1/4	2834.56	1/4	2578.03	1/4	2321.50	1/4	2064.93	1/4	1808.36	1/4	1551.79	1/4
1/2	3339.31	1/2	3084.34	1/2	2829.22	1/2	2572.69	1/2	2316.15	1/2	2059.58	1/2	1803.01	1/2	1546.44	1/2
3/4	3333.99	3/4	3079.03	3/4	2823.88	3/4	2567.34	3/4	2310.81	3/4	2054.24	3/4	1797.67	3/4	1541.10	3/4
10	3328.68	10	3073.72	10	2818.53	10	2562.00	10	2305.46	10	2048.89	10	1792.32	10	1535.75	10
1/4	3323.37	1/4	3068.41	1/4	2813.19	1/4	2556.66	1/4	2300.12	1/4	2043.55	1/4	1786.98	1/4	1530.41	1/4
1/2	3318.06	1/2	3063.10	1/2	2807.84	1/2	2551.31	1/2	2294.77	1/2	2038.20	1/2	1781.63	1/2	1525.06	1/2
3/4	3312.75	3/4	3057.79	3/4	2802.50	3/4	2545.97	3/4	2289.43	3/4	2032.86	3/4	1776.29	3/4	1519.72	3/4
11	3307.44	11	3052.47	11	2797.15	11	2540.62	11	2284.08	11	2027.51	11	1770.94	11	1514.37	11
1/4	3302.12	1/4	3047.16	1/4	2791.81	1/4	2535.28	1/4	2278.74	1/4	2022.17	1/4	1765.60	1/4	1509.03	1/4
1/2	3296.81	1/2	3041.85	1/2	2786.46	1/2	2529.93	1/2	2273.39	1/2	2016.82	1/2	1760.25	1/2	1503.68	1/2
3/4	3291.50	3/4	3036.54	3/4	2781.12	3/4	2524.59	3/4	2268.05	3/4	2011.48	3/4	1754.91	3/4	1498.34	3/4

NOTE: GAUGE POINT: TO TOP UP OF 10" GAUGE HATCH, ON EXPANSION TRUNK

NOTE: GAUGE POINT LOCATED NEAR AFT OF TANK - TMM CORRECTION REQUIRED.

REFERENCE GAUGE HEIGHT PORT 17' 1 3/4"

NOTE: FOR ULLAGES LESS THAN 2'00" USE INNAUGE TABLE (ULLAGE BY INNAUGE)

Calibrated: JF 11-25-2008
 Calibration: WHF 12/16/2009
 Issued: August 6, 2009
 SUMP GAUGING

BARGE GRIFCO 3807

ULLAGE TABLE TANK: 1 Port

CAPACITIES IN U.S. BARRELS FOR MANUAL GAUGING AT 10" GAUGE HATCH LOCATED ON EXPANSION TRUNK HULL No. 05-2538

IN	10 FT		11 FT		12 FT		13 FT		14 FT		15 FT		16 FT		17 FT	
	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4
0	1492.99	0	1236.42	0	980.89	0	724.51	0	468.07	0	240.72	0	66.42	0	0.33	
1/4	1487.65	1/4	1231.08	1/4	975.59	1/4	719.17	1/4	462.75	1/4	236.62	1/4	63.31	1/4	0.28	
1/2	1482.30	1/2	1225.73	1/2	970.30	1/2	713.82	1/2	457.46	1/2	232.54	1/2	60.22	1/2	0.23	
3/4	1476.96	3/4	1220.39	3/4	965.01	3/4	708.48	3/4	452.19	3/4	228.49	3/4	57.15	3/4	0.19	
1	1471.61	1	1215.04	1	959.66	1	703.13	1	446.95	1	224.43	1	54.10	1	0.14	
1/4	1466.27	1/4	1209.70	1/4	954.32	1/4	697.79	1/4	441.72	1/4	220.40	1/4	51.08	1/4	0.09	
1/2	1460.92	1/2	1204.35	1/2	948.98	1/2	692.44	1/2	436.52	1/2	216.40	1/2	48.08	1/2	0.05	
3/4	1455.58	3/4	1199.01	3/4	943.64	3/4	687.10	3/4	431.34	3/4	212.42	3/4	45.10	3/4	0.00	
2	1450.23	2	1193.66	2	938.30	2	681.75	2	426.19	2	208.36	2	42.14	2		
1/4	1444.89	1/4	1188.32	1/4	932.95	1/4	676.41	1/4	421.06	1/4	204.33	1/4	39.21	1/4		
1/2	1439.54	1/2	1182.97	1/2	927.61	1/2	671.06	1/2	415.95	1/2	200.31	1/2	36.30	1/2		
3/4	1434.20	3/4	1177.63	3/4	922.27	3/4	665.72	3/4	410.86	3/4	196.33	3/4	33.42	3/4		
3	1428.85	3	1172.28	3	916.93	3	660.37	3	405.80	3	192.36	3	30.56	3		
1/4	1423.50	1/4	1166.94	1/4	911.59	1/4	655.03	1/4	400.76	1/4	188.42	1/4	27.72	1/4		
1/2	1418.16	1/2	1161.59	1/2	906.24	1/2	649.68	1/2	395.74	1/2	184.50	1/2	24.90	1/2		
3/4	1412.81	3/4	1156.24	3/4	900.90	3/4	644.33	3/4	390.75	3/4	180.60	3/4	22.10	3/4		
4	1407.47	4	1150.90	4	895.55	4	638.99	4	385.78	4	176.73	4	19.33	4		
1/4	1402.12	1/4	1145.55	1/4	890.21	1/4	633.64	1/4	380.83	1/4	172.87	1/4	16.98	1/4		
1/2	1396.78	1/2	1140.21	1/2	884.86	1/2	628.30	1/2	375.91	1/2	169.05	1/2	14.82	1/2		
3/4	1391.43	3/4	1134.86	3/4	879.52	3/4	622.95	3/4	371.00	3/4	165.24	3/4	12.85	3/4		
5	1386.09	5	1129.52	5	874.17	5	617.61	5	366.12	5	161.46	5	11.06	5		
1/4	1380.74	1/4	1124.17	1/4	868.83	1/4	612.26	1/4	361.27	1/4	157.92	1/4	9.46	1/4		
1/2	1375.40	1/2	1118.83	1/2	863.48	1/2	606.92	1/2	356.43	1/2	154.41	1/2	8.04	1/2		
3/4	1370.05	3/4	1113.48	3/4	858.14	3/4	601.57	3/4	351.62	3/4	150.92	3/4	6.80	3/4		
6	1364.71	6	1108.14	6	852.79	6	596.23	6	346.83	6	147.45	6	5.51	6		
1/4	1359.36	1/4	1102.79	1/4	847.45	1/4	590.89	1/4	342.06	1/4	144.00	1/4	4.39	1/4		
1/2	1354.02	1/2	1097.45	1/2	842.10	1/2	585.55	1/2	337.31	1/2	140.58	1/2	3.44	1/2		
3/4	1348.67	3/4	1092.10	3/4	836.76	3/4	580.20	3/4	332.58	3/4	137.18	3/4	2.65	3/4		
7	1343.33	7	1086.76	7	831.41	7	574.86	7	327.88	7	133.58	7	2.03	7		
1/4	1337.98	1/4	1081.46	1/4	826.07	1/4	569.52	1/4	323.30	1/4	130.01	1/4	1.57	1/4		
1/2	1332.64	1/2	1076.17	1/2	820.72	1/2	564.18	1/2	318.74	1/2	126.45	1/2	1.27	1/2		
3/4	1327.29	3/4	1070.88	3/4	815.38	3/4	558.84	3/4	314.21	3/4	122.92	3/4	1.12	3/4		
8	1321.95	8	1065.58	8	810.03	8	553.50	8	309.70	8	119.42	8	1.07	8		
1/4	1316.60	1/4	1060.29	1/4	804.69	1/4	548.16	1/4	305.21	1/4	115.93	1/4	1.03	1/4		
1/2	1311.26	1/2	1055.00	1/2	799.34	1/2	542.83	1/2	300.74	1/2	112.47	1/2	0.93	1/2		
3/4	1305.91	3/4	1049.70	3/4	794.00	3/4	537.49	3/4	296.30	3/4	109.03	3/4	0.93	3/4		
9	1300.57	9	1044.41	9	788.65	9	532.15	9	291.88	9	105.62	9	0.89	9		
1/4	1295.22	1/4	1039.11	1/4	783.31	1/4	526.81	1/4	287.48	1/4	102.22	1/4	0.84	1/4		
1/2	1289.87	1/2	1033.82	1/2	777.96	1/2	521.47	1/2	283.11	1/2	98.86	1/2	0.79	1/2		
3/4	1284.53	3/4	1028.53	3/4	772.62	3/4	516.13	3/4	278.76	3/4	95.51	3/4	0.75	3/4		
10	1279.18	10	1023.23	10	767.27	10	510.79	10	274.43	10	92.19	10	0.70	10		
1/4	1273.84	1/4	1017.94	1/4	761.93	1/4	505.45	1/4	270.12	1/4	88.88	1/4	0.65	1/4		
1/2	1268.49	1/2	1012.65	1/2	756.58	1/2	500.11	1/2	265.84	1/2	85.61	1/2	0.61	1/2		
3/4	1263.15	3/4	1007.35	3/4	751.24	3/4	494.77	3/4	261.58	3/4	82.35	3/4	0.56	3/4		
11	1257.80	11	1002.06	11	745.89	11	489.43	11	257.34	11	79.12	11	0.51	11		
1/4	1252.46	1/4	996.77	1/4	740.55	1/4	484.09	1/4	253.15	1/4	75.91	1/4	0.47	1/4		
1/2	1247.11	1/2	991.47	1/2	735.20	1/2	478.75	1/2	248.98	1/2	72.73	1/2	0.42	1/2		
3/4	1241.77	3/4	986.18	3/4	729.86	3/4	473.41	3/4	244.84	3/4	69.56	3/4	0.37	3/4		

Trim Correction
+12" -1/18
+9" -7/8
+6" -5/8
+3" -1/4
EVEN 0

NOTE: GAUGE POINT: TO TOP OF 10" GAUGE HATCH; ON EXPANSION TRUNK
NOTE: GAUGE POINT LOCATED NEAR AFT OF TANK - TRIM CORRECTION REQUIRED.
REFERENCE GAUGE HEIGHT PORT: 11' 1 3/4"
NOTE: FOR ULLAGES LESS THAN 2' 0" USE INNAGE TABLE (ULLAGE BY INNAGE)

Calibrated: JF 11-25-2008
Calculation: WHF 12/16/2008
Issued: August 6, 2008
FOR SUMP GAUGING

Intertek
Caleb Brett

ULLAGE TABLE
TANK: 1 Stbd

CAPACITIES IN U.S. BARRELS

FOR MANUAL GAUGING AT 10" GAUGE HATCH LOCATED ON EXPANSION TRUNK

HULL No. 05-2338

IN	2 FT	IN	3 FT	IN	4 FT	IN	5 FT	IN	6 FT	IN	7 FT	IN	8 FT	IN	9 FT
0	3529.37	0	3291.50	0	3036.54	0	2781.12	0	2524.59	0	2268.05	0	2011.48	0	1754.91
1/4	3526.19	1/4	3286.19	1/4	3031.23	1/4	2775.78	1/4	2519.24	1/4	2262.70	1/4	2006.13	1/4	1749.56
1/2	3522.85	1/2	3280.88	1/2	3025.92	1/2	2770.43	1/2	2513.90	1/2	2257.36	1/2	2000.79	1/2	1744.22
3/4	3519.36	3/4	3275.57	3/4	3020.60	3/4	2765.09	3/4	2508.56	3/4	2252.01	3/4	1995.44	3/4	1738.87
1	3515.73	1	3270.25	1	3015.29	1	2759.74	1	2503.21	1	2246.67	1	1990.10	1	1733.53
1/4	3511.95	1/4	3264.94	1/4	3010.98	1/4	2754.40	1/4	2497.87	1/4	2241.32	1/4	1984.75	1/4	1728.18
1/2	3508.01	1/2	3259.63	1/2	3006.67	1/2	2749.05	1/2	2492.52	1/2	2235.98	1/2	1979.41	1/2	1722.84
3/4	3503.93	3/4	3254.32	3/4	3002.36	3/4	2743.71	3/4	2487.18	3/4	2230.63	3/4	1974.06	3/4	1717.49
2	3499.71	2	3249.01	2	2998.05	2	2738.36	2	2481.83	2	2225.28	2	1968.72	2	1712.15
1/4	3495.33	1/4	3243.70	1/4	2993.73	1/4	2733.02	1/4	2476.49	1/4	2219.94	1/4	1963.37	1/4	1706.80
1/2	3490.81	1/2	3238.38	1/2	2989.42	1/2	2727.68	1/2	2471.14	1/2	2214.59	1/2	1958.02	1/2	1701.46
3/4	3486.13	3/4	3233.07	3/4	2985.11	3/4	2722.33	3/4	2465.80	3/4	2209.25	3/4	1952.68	3/4	1696.11
3	3481.31	3	3227.76	3	2980.80	3	2716.99	3	2460.46	3	2203.90	3	1947.33	3	1690.76
1/4	3476.34	1/4	3222.45	1/4	2976.49	1/4	2711.64	1/4	2455.11	1/4	2198.56	1/4	1941.99	1/4	1685.42
1/2	3471.22	1/2	3217.14	1/2	2972.18	1/2	2706.30	1/2	2449.77	1/2	2193.21	1/2	1936.64	1/2	1680.07
3/4	3465.95	3/4	3211.83	3/4	2967.86	3/4	2700.95	3/4	2444.42	3/4	2187.87	3/4	1931.30	3/4	1674.73
4	3460.69	4	3206.51	4	2963.55	4	2695.55	4	2439.08	4	2182.52	4	1925.95	4	1669.38
1/4	3455.42	1/4	3201.20	1/4	2959.24	1/4	2690.27	1/4	2433.73	1/4	2177.18	1/4	1920.61	1/4	1664.04
1/2	3450.15	1/2	3195.89	1/2	2954.93	1/2	2684.92	1/2	2428.39	1/2	2171.83	1/2	1915.26	1/2	1658.69
3/4	3444.88	3/4	3190.58	3/4	2950.62	3/4	2679.58	3/4	2423.05	3/4	2166.49	3/4	1909.92	3/4	1653.35
5	3439.61	5	3185.27	5	2946.31	5	2674.23	5	2417.70	5	2161.14	5	1904.57	5	1648.00
1/4	3434.35	1/4	3179.96	1/4	2942.00	1/4	2668.89	1/4	2412.36	1/4	2155.80	1/4	1899.23	1/4	1642.66
1/2	3429.08	1/2	3174.64	1/2	2937.68	1/2	2663.54	1/2	2407.01	1/2	2150.45	1/2	1893.88	1/2	1637.31
3/4	3423.81	3/4	3169.33	3/4	2933.37	3/4	2658.20	3/4	2401.67	3/4	2145.11	3/4	1888.54	3/4	1631.97
6	3418.54	6	3164.02	6	2929.06	6	2652.85	6	2396.32	6	2139.76	6	1883.19	6	1626.62
1/4	3413.28	1/4	3158.71	1/4	2924.75	1/4	2647.51	1/4	2390.98	1/4	2134.42	1/4	1877.85	1/4	1621.28
1/2	3408.01	1/2	3153.40	1/2	2920.44	1/2	2642.17	1/2	2385.63	1/2	2129.07	1/2	1872.50	1/2	1615.93
3/4	3402.74	3/4	3148.09	3/4	2916.12	3/4	2636.83	3/4	2380.29	3/4	2123.73	3/4	1867.16	3/4	1610.59
7	3397.47	7	3142.77	7	2911.81	7	2631.48	7	2374.95	7	2118.38	7	1861.81	7	1605.24
1/4	3392.20	1/4	3137.46	1/4	2907.50	1/4	2626.13	1/4	2369.60	1/4	2113.04	1/4	1856.47	1/4	1599.90
1/2	3386.94	1/2	3132.15	1/2	2903.19	1/2	2620.79	1/2	2364.26	1/2	2107.69	1/2	1851.12	1/2	1594.55
3/4	3381.67	3/4	3126.84	3/4	2898.88	3/4	2615.44	3/4	2358.91	3/4	2102.35	3/4	1845.78	3/4	1589.21
8	3376.40	8	3121.53	8	2894.57	8	2610.10	8	2353.57	8	2097.00	8	1840.43	8	1583.86
1/4	3371.13	1/4	3116.21	1/4	2890.25	1/4	2604.75	1/4	2348.22	1/4	2091.65	1/4	1835.09	1/4	1578.52
1/2	3365.86	1/2	3110.90	1/2	2885.94	1/2	2600.41	1/2	2342.88	1/2	2086.31	1/2	1829.74	1/2	1573.17
3/4	3360.55	3/4	3105.59	3/4	2881.60	3/4	2596.00	3/4	2337.53	3/4	2080.96	3/4	1824.39	3/4	1567.83
9	3355.24	9	3100.28	9	2877.25	9	2591.69	9	2332.19	9	2075.62	9	1819.05	9	1562.48
1/4	3349.93	1/4	3094.97	1/4	2872.91	1/4	2587.38	1/4	2326.84	1/4	2070.27	1/4	1813.70	1/4	1557.13
1/2	3344.62	1/2	3089.66	1/2	2868.56	1/2	2583.03	1/2	2321.50	1/2	2064.93	1/2	1808.36	1/2	1551.79
3/4	3339.31	3/4	3084.34	3/4	2864.22	3/4	2578.69	3/4	2316.15	3/4	2059.58	3/4	1803.01	3/4	1546.44
10	3333.99	10	3079.03	10	2859.87	10	2574.34	10	2310.81	10	2054.24	10	1797.67	10	1541.10
1/4	3328.68	1/4	3073.72	1/4	2855.53	1/4	2569.99	1/4	2305.46	1/4	2048.89	1/4	1792.32	1/4	1535.75
1/2	3323.37	1/2	3068.41	1/2	2851.19	1/2	2565.66	1/2	2300.12	1/2	2043.55	1/2	1786.98	1/2	1530.41
3/4	3318.06	3/4	3063.10	3/4	2846.84	3/4	2561.31	3/4	2294.77	3/4	2038.20	3/4	1781.63	3/4	1525.06
11	3312.75	11	3057.79	11	2842.50	11	2556.97	11	2289.43	11	2032.86	11	1776.29	11	1519.72
1/4	3307.44	1/4	3052.47	1/4	2838.15	1/4	2552.62	1/4	2284.08	1/4	2027.51	1/4	1770.94	1/4	1514.37
1/2	3302.12	1/2	3047.16	1/2	2833.81	1/2	2548.28	1/2	2278.74	1/2	2022.17	1/2	1765.60	1/2	1509.03
3/4	3296.81	3/4	3041.85	3/4	2829.46	3/4	2543.93	3/4	2273.39	3/4	2016.82	3/4	1760.25	3/4	1503.68

NOTE: GAUGE POINT: TO TOP LIP OF 10" GAUGE HATCH, ON EXPANSION TRUNK.
NOTE: GAUGE POINT LOCATED NEAR AFT OF TANK. *TRIM CORRECTION REQUIRED.
REFERENCE GAUGE HEIGHT STANDARD: 17.2"
NOTE: FOR ULLAGES LESS THAN 2' 00" USE INNAUGE TABLE (ULLAGE BY INNAUGE)

Calibrated: JF 11-25-2008
Calculation: WHF 12/16/2009
Issued: August 6, 2009
SUMP GAUGING

Intertek
Caleb Brett

BARGE GRIFCO 3807

ULLAGE TABLE TANK: 1 Stbd

CAPACITIES IN U.S. BARRELS FOR MANUAL GAUGING AT 10" GAUGE HATCH LOCATED ON EXPANSION TRUNK HULL No. 05-2538

IN	10 FT		11 FT		12 FT		13 FT		14 FT		15 FT		16 FT		17 FT	
	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	1498.34	0	1241.77	0	986.18	0	729.86	0	473.41	0	244.84	0	69.56	0	0.37	
1/4	1492.99	1/4	1236.42	1/4	980.89	1/4	724.51	1/4	468.07	1/4	240.72	1/4	66.42	1/4	0.33	
1/2	1487.65	1/2	1231.08	1/2	975.59	1/2	719.17	1/2	462.75	1/2	236.62	1/2	63.31	1/2	0.28	
3/4	1482.30	3/4	1225.73	3/4	970.30	3/4	713.82	3/4	457.46	3/4	232.54	3/4	60.22	3/4	0.23	
1	1476.96	1	1220.39	1	965.01	1	708.48	1	452.19	1	228.45	1	57.15	1	0.19	
1/4	1471.61	1/4	1215.04	1/4	959.66	1/4	703.13	1/4	446.95	1/4	224.43	1/4	54.10	1/4	0.14	
1/2	1466.27	1/2	1209.70	1/2	954.32	1/2	697.79	1/2	441.72	1/2	220.40	1/2	51.08	1/2	0.09	
3/4	1460.92	3/4	1204.35	3/4	948.98	3/4	692.44	3/4	436.52	3/4	216.40	3/4	48.08	3/4	0.05	
2	1455.58	2	1199.01	2	943.64	2	687.10	2	431.34	2	212.42	2	45.10	2	0.00	
1/4	1450.23	1/4	1193.66	1/4	938.30	1/4	681.75	1/4	426.19	1/4	208.36	1/4	42.14	1/4		
1/2	1444.89	1/2	1188.32	1/2	932.95	1/2	676.41	1/2	421.06	1/2	204.33	1/2	39.21	1/2		
3/4	1439.54	3/4	1182.97	3/4	927.61	3/4	671.06	3/4	415.95	3/4	200.31	3/4	36.30	3/4		
3	1434.20	3	1177.63	3	922.27	3	665.72	3	410.86	3	196.33	3	33.42	3		
1/4	1428.85	1/4	1172.28	1/4	916.93	1/4	660.37	1/4	405.80	1/4	192.36	1/4	30.56	1/4		
1/2	1423.50	1/2	1166.94	1/2	911.59	1/2	655.03	1/2	400.76	1/2	188.42	1/2	27.72	1/2		
3/4	1418.16	3/4	1161.59	3/4	906.24	3/4	649.68	3/4	395.74	3/4	184.50	3/4	24.90	3/4		
4	1412.81	4	1156.24	4	900.90	4	644.33	4	390.75	4	180.60	4	22.10	4		
1/4	1407.47	1/4	1150.90	1/4	895.55	1/4	638.99	1/4	385.78	1/4	176.73	1/4	19.33	1/4		
1/2	1402.12	1/2	1145.55	1/2	890.21	1/2	633.64	1/2	380.83	1/2	172.87	1/2	16.98	1/2		
3/4	1396.78	3/4	1140.21	3/4	884.86	3/4	628.30	3/4	375.91	3/4	169.05	3/4	14.82	3/4		
5	1391.43	5	1134.86	5	879.52	5	622.95	5	371.00	5	165.24	5	12.85	5		
1/4	1386.09	1/4	1129.52	1/4	874.17	1/4	617.61	1/4	366.12	1/4	161.46	1/4	11.06	1/4		
1/2	1380.74	1/2	1124.17	1/2	868.83	1/2	612.26	1/2	361.27	1/2	157.92	1/2	9.46	1/2		
3/4	1375.40	3/4	1118.83	3/4	863.48	3/4	606.92	3/4	356.43	3/4	154.41	3/4	8.04	3/4		
6	1370.05	6	1113.48	6	858.14	6	601.57	6	351.62	6	150.92	6	6.80	6		
1/4	1364.71	1/4	1108.14	1/4	852.79	1/4	596.23	1/4	346.83	1/4	147.45	1/4	5.51	1/4		
1/2	1359.36	1/2	1102.79	1/2	847.45	1/2	590.89	1/2	342.06	1/2	144.00	1/2	4.39	1/2		
3/4	1354.02	3/4	1097.45	3/4	842.10	3/4	585.55	3/4	337.31	3/4	140.58	3/4	3.44	3/4		
7	1348.67	7	1092.10	7	836.76	7	580.20	7	332.58	7	137.18	7	2.65	7		
1/4	1343.33	1/4	1086.76	1/4	831.41	1/4	574.86	1/4	327.88	1/4	133.58	1/4	2.03	1/4		
1/2	1337.98	1/2	1081.46	1/2	826.07	1/2	569.52	1/2	323.30	1/2	130.01	1/2	1.57	1/2		
3/4	1332.64	3/4	1076.17	3/4	820.72	3/4	564.18	3/4	318.74	3/4	126.45	3/4	1.27	3/4		
8	1327.29	8	1070.88	8	815.38	8	558.84	8	314.21	8	122.92	8	1.12	8		
1/4	1321.95	1/4	1065.58	1/4	810.03	1/4	553.50	1/4	309.70	1/4	119.42	1/4	1.07	1/4		
1/2	1316.60	1/2	1060.29	1/2	804.69	1/2	548.16	1/2	305.21	1/2	115.93	1/2	1.03	1/2		
3/4	1311.26	3/4	1055.00	3/4	799.34	3/4	542.83	3/4	300.74	3/4	112.47	3/4	0.98	3/4		
9	1305.91	9	1049.70	9	794.00	9	537.49	9	296.30	9	109.03	9	0.93	9		
1/4	1300.57	1/4	1044.41	1/4	788.65	1/4	532.15	1/4	291.88	1/4	105.62	1/4	0.89	1/4		
1/2	1295.22	1/2	1039.11	1/2	783.31	1/2	526.81	1/2	287.48	1/2	102.22	1/2	0.84	1/2		
3/4	1289.87	3/4	1033.82	3/4	777.96	3/4	521.47	3/4	283.11	3/4	98.86	3/4	0.79	3/4		
10	1284.53	10	1028.53	10	772.62	10	516.13	10	278.76	10	95.51	10	0.75	10		
1/4	1279.18	1/4	1023.23	1/4	767.27	1/4	510.79	1/4	274.43	1/4	92.19	1/4	0.70	1/4		
1/2	1273.84	1/2	1017.94	1/2	761.93	1/2	505.45	1/2	270.12	1/2	88.88	1/2	0.65	1/2		
3/4	1268.49	3/4	1012.65	3/4	756.58	3/4	500.11	3/4	265.84	3/4	85.61	3/4	0.61	3/4		
11	1263.15	11	1007.35	11	751.24	11	494.77	11	261.58	11	82.35	11	0.56	11		
1/4	1257.80	1/4	1002.06	1/4	745.89	1/4	489.43	1/4	257.34	1/4	79.12	1/4	0.51	1/4		
1/2	1252.46	1/2	996.77	1/2	740.55	1/2	484.09	1/2	253.15	1/2	75.91	1/2	0.47	1/2		
3/4	1247.11	3/4	991.47	3/4	735.20	3/4	478.75	3/4	248.98	3/4	72.73	3/4	0.42	3/4		

Firm Correction

NOTE: GAUGE POINT: TO TOP HP OF 10" GAUGE HATCH ON EXPANSION TRUNK
 NOTE: GAUGE POINT LOCATED NEAR AFT OF TANK - TRIM CORRECTION REQUIRED
 REFERENCE GAUGE HEIGHT STANDARD 7' ±
 NOTE: FOR ULLAGES LESS THAN 2' OR USE IMAGE TABLE (ULLAGE BY INCHES)
 Calibration: JF 11-25-2008
 Calculation: WHF 12/16/2009
 Issued: August 6, 2009
 FOR SUMP GAUGING



Caleb Brett

BARGE GRIFCO 3807

ULLAGE TABLE TANK: 2 Port

CAPACITIES IN U.S. BARRELS

FOR MANUAL GAUGING AT 10" GAUGE HATCH LOCATED ON EXPANSION TRUNK

HULL No. 06-2638

IN	2 FT	IN	3 FT	IN	4 FT	IN	5 FT	IN	6 FT	IN	7 FT	IN	8 FT	IN	9 FT
0	3644.85	0	3405.71	0	3153.25	0	2900.79	0	2648.33	0	2395.88	0	2143.26	0	1890.31
1/4	3641.49	1/4	3400.45	1/4	3147.99	1/4	2895.53	1/4	2643.07	1/4	2390.62	1/4	2137.99	1/4	1885.04
1/2	3637.99	1/2	3395.19	1/2	3142.73	1/2	2890.27	1/2	2637.81	1/2	2385.36	1/2	2132.72	1/2	1879.77
3/4	3634.34	3/4	3389.93	3/4	3137.47	3/4	2885.01	3/4	2632.55	3/4	2380.10	3/4	2127.45	3/4	1874.50
1	3630.55	1	3384.67	1	3132.21	1	2879.75	1	2627.29	1	2374.84	1	2122.18	1	1869.23
1/4	3626.60	1/4	3379.41	1/4	3126.95	1/4	2874.49	1/4	2622.03	1/4	2369.59	1/4	2116.91	1/4	1863.96
1/2	3622.52	1/2	3374.15	1/2	3121.69	1/2	2869.23	1/2	2616.77	1/2	2364.33	1/2	2111.64	1/2	1858.69
3/4	3618.28	3/4	3368.89	3/4	3116.43	3/4	2863.97	3/4	2611.51	3/4	2359.07	3/4	2106.37	3/4	1853.42
2	3613.90	2	3363.63	2	3111.17	2	2858.71	2	2606.25	2	2353.81	2	2101.10	2	1848.15
1/4	3609.37	1/4	3358.38	1/4	3105.91	1/4	2853.45	1/4	2600.99	1/4	2348.55	1/4	2095.83	1/4	1842.88
1/2	3604.70	1/2	3353.12	1/2	3100.65	1/2	2848.19	1/2	2595.74	1/2	2343.29	1/2	2090.56	1/2	1837.61
3/4	3599.88	3/4	3347.86	3/4	3095.40	3/4	2842.93	3/4	2590.48	3/4	2338.03	3/4	2085.29	3/4	1832.34
3	3594.91	3	3342.60	3	3090.14	3	2837.67	3	2585.22	3	2332.77	3	2080.02	3	1827.07
1/4	3589.80	1/4	3337.34	1/4	3084.88	1/4	2832.42	1/4	2579.96	1/4	2327.51	1/4	2074.75	1/4	1821.80
1/2	3584.54	1/2	3332.08	1/2	3079.62	1/2	2827.16	1/2	2574.70	1/2	2322.25	1/2	2069.48	1/2	1816.53
3/4	3579.28	3/4	3326.82	3/4	3074.36	3/4	2821.90	3/4	2569.44	3/4	2316.99	3/4	2064.21	3/4	1811.26
4	3574.02	4	3321.56	4	3069.10	4	2816.64	4	2564.18	4	2311.73	4	2058.94	4	1805.99
1/4	3568.76	1/4	3316.30	1/4	3063.84	1/4	2811.38	1/4	2558.92	1/4	2306.47	1/4	2053.67	1/4	1800.72
1/2	3563.50	1/2	3311.04	1/2	3058.58	1/2	2806.12	1/2	2553.66	1/2	2301.21	1/2	2048.40	1/2	1795.45
3/4	3558.24	3/4	3305.78	3/4	3053.32	3/4	2800.86	3/4	2548.40	3/4	2295.95	3/4	2043.13	3/4	1790.18
5	3552.98	5	3300.52	5	3048.06	5	2795.60	5	2543.14	5	2290.70	5	2037.86	5	1784.91
1/4	3547.72	1/4	3295.26	1/4	3042.80	1/4	2790.34	1/4	2537.88	1/4	2285.44	1/4	2032.59	1/4	1779.64
1/2	3542.46	1/2	3290.00	1/2	3037.54	1/2	2785.08	1/2	2532.62	1/2	2280.18	1/2	2027.32	1/2	1774.37
3/4	3537.20	3/4	3284.74	3/4	3032.28	3/4	2779.82	3/4	2527.36	3/4	2274.92	3/4	2022.05	3/4	1769.10
6	3531.94	6	3279.48	6	3027.02	6	2774.56	6	2522.10	6	2269.66	6	2016.78	6	1763.83
1/4	3526.68	1/4	3274.22	1/4	3021.76	1/4	2769.30	1/4	2516.85	1/4	2264.40	1/4	2011.51	1/4	1758.56
1/2	3521.42	1/2	3268.96	1/2	3016.50	1/2	2764.04	1/2	2511.59	1/2	2259.14	1/2	2006.24	1/2	1753.29
3/4	3516.16	3/4	3263.70	3/4	3011.24	3/4	2758.78	3/4	2506.33	3/4	2253.88	3/4	2000.97	3/4	1748.02
7	3510.90	7	3258.44	7	3005.98	7	2753.52	7	2501.07	7	2248.62	7	1995.70	7	1742.75
1/4	3505.64	1/4	3253.18	1/4	3000.72	1/4	2748.26	1/4	2495.81	1/4	2243.36	1/4	1990.43	1/4	1737.48
1/2	3500.38	1/2	3247.92	1/2	2995.46	1/2	2743.00	1/2	2490.55	1/2	2238.10	1/2	1985.16	1/2	1732.21
3/4	3495.12	3/4	3242.66	3/4	2990.20	3/4	2737.74	3/4	2485.29	3/4	2232.84	3/4	1979.89	3/4	1726.94
8	3489.87	8	3237.40	8	2984.94	8	2732.48	8	2480.03	8	2227.57	8	1974.62	8	1721.67
1/4	3484.61	1/4	3232.14	1/4	2979.68	1/4	2727.22	1/4	2474.77	1/4	2222.30	1/4	1969.35	1/4	1716.40
1/2	3479.35	1/2	3226.89	1/2	2974.42	1/2	2721.96	1/2	2469.51	1/2	2217.03	1/2	1964.08	1/2	1711.13
3/4	3474.09	3/4	3221.63	3/4	2969.16	3/4	2716.70	3/4	2464.25	3/4	2211.76	3/4	1958.81	3/4	1705.86
9	3468.83	9	3216.37	9	2963.91	9	2711.44	9	2458.99	9	2206.49	9	1953.54	9	1700.59
1/4	3463.57	1/4	3211.11	1/4	2958.65	1/4	2706.18	1/4	2453.73	1/4	2201.22	1/4	1948.27	1/4	1695.32
1/2	3458.31	1/2	3205.85	1/2	2953.39	1/2	2700.93	1/2	2448.47	1/2	2195.95	1/2	1943.00	1/2	1690.05
3/4	3453.05	3/4	3200.59	3/4	2948.13	3/4	2695.67	3/4	2443.22	3/4	2190.68	3/4	1937.73	3/4	1684.78
10	3447.79	10	3195.33	10	2942.87	10	2690.41	10	2437.96	10	2185.42	10	1932.46	10	1679.51
1/4	3442.53	1/4	3190.07	1/4	2937.61	1/4	2685.15	1/4	2432.70	1/4	2180.15	1/4	1927.19	1/4	1674.24
1/2	3437.27	1/2	3184.81	1/2	2932.35	1/2	2679.89	1/2	2427.44	1/2	2174.88	1/2	1921.93	1/2	1668.97
3/4	3432.01	3/4	3179.55	3/4	2927.09	3/4	2674.63	3/4	2422.18	3/4	2169.61	3/4	1916.66	3/4	1663.70
11	3426.75	11	3174.29	11	2921.83	11	2669.37	11	2416.92	11	2164.34	11	1911.39	11	1658.44
1/4	3421.49	1/4	3169.03	1/4	2916.57	1/4	2664.11	1/4	2411.66	1/4	2159.07	1/4	1906.12	1/4	1653.17
1/2	3416.23	1/2	3163.77	1/2	2911.31	1/2	2658.85	1/2	2406.40	1/2	2153.80	1/2	1900.85	1/2	1647.90
3/4	3410.97	3/4	3158.51	3/4	2906.05	3/4	2653.59	3/4	2401.14	3/4	2148.53	3/4	1895.58	3/4	1642.63

NOTE: GAUGE POINT: TO TOP LIP OF 10" GAUGE HATCH, ON EXPANSION TRUNK.

NOTE: GAUGE POINT LOCATED NEAR AFT OF TANK. TRIM CORRECTION REQUIRED.

REFERENCE GAUGE HEIGHT PORT 17" 1.34'

NOTE: FOR ULLAGES LESS THAN 200' USE INNADE TABLE (ULLAGE BY INNADE)

Calculated: JF 11-25-2008
 Calculation: WHF 12/16/2009
 Issued: August 6, 2009
 SUMP GAUGING

Intertek
Caleb Brett

BARGE GRIFCO 3807

ULLAGE TABLE TANK: 2 Port

CAPACITIES IN U.S. BARRELS

FOR MANUAL GAUGING AT 10" GAUGE HATCH LOCATED ON EXPANSION TRUNK

HULL No. 05-2538

IN	10 FT		11 FT		12 FT		13 FT		14 FT		15 FT		16 FT		17 FT	
	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	1637.36	0	1384.21	0	1131.48	0	878.60	0	626.47	0	375.21	0	123.93	0	0.33	
1/4	1632.09	1/4	1379.14	1/4	1126.21	1/4	873.34	1/4	621.25	1/4	369.98	1/4	118.69	1/4	0.28	
1/2	1626.82	1/2	1373.87	1/2	1120.94	1/2	868.08	1/2	616.02	1/2	364.74	1/2	113.45	1/2	0.23	
3/4	1621.55	3/4	1368.61	3/4	1115.67	3/4	862.83	3/4	610.80	3/4	359.51	3/4	108.22	3/4	0.19	
1	1616.28	1	1363.34	1	1110.40	1	857.57	1	605.56	1	354.27	1	102.98	1	0.14	
1/4	1611.01	1/4	1358.07	1/4	1105.13	1/4	852.32	1/4	600.33	1/4	349.04	1/4	97.75	1/4	0.09	
1/2	1605.74	1/2	1352.80	1/2	1099.86	1/2	847.06	1/2	595.09	1/2	343.80	1/2	92.51	1/2	0.05	
3/4	1600.47	3/4	1347.53	3/4	1094.60	3/4	841.80	3/4	589.86	3/4	338.57	3/4	87.28	3/4	0.00	
2	1595.20	2	1342.26	2	1089.33	2	836.55	2	584.62	2	333.33	2	82.04	2		
1/4	1589.93	1/4	1336.99	1/4	1084.06	1/4	831.29	1/4	579.39	1/4	328.10	1/4	76.81	1/4		
1/2	1584.66	1/2	1331.72	1/2	1078.79	1/2	826.03	1/2	574.15	1/2	322.86	1/2	71.57	1/2		
3/4	1579.39	3/4	1326.45	3/4	1073.52	3/4	820.78	3/4	568.92	3/4	317.63	3/4	66.34	3/4		
3	1574.12	3	1321.18	3	1068.25	3	815.52	3	563.68	3	312.39	3	61.10	3		
1/4	1568.85	1/4	1315.91	1/4	1062.98	1/4	810.27	1/4	558.45	1/4	307.16	1/4	55.87	1/4		
1/2	1563.58	1/2	1310.64	1/2	1057.71	1/2	805.01	1/2	553.21	1/2	301.92	1/2	50.63	1/2		
3/4	1558.31	3/4	1305.37	3/4	1052.44	3/4	799.75	3/4	547.98	3/4	296.69	3/4	45.39	3/4		
4	1553.04	4	1300.10	4	1047.17	4	794.50	4	542.74	4	291.45	4	40.15	4		
1/4	1547.77	1/4	1294.84	1/4	1041.90	1/4	789.24	1/4	537.51	1/4	286.22	1/4	35.25	1/4		
1/2	1542.50	1/2	1289.57	1/2	1036.63	1/2	783.99	1/2	532.27	1/2	280.98	1/2	30.68	1/2		
3/4	1537.23	3/4	1284.30	3/4	1031.36	3/4	778.73	3/4	527.04	3/4	275.75	3/4	26.43	3/4		
5	1531.96	5	1279.03	5	1026.09	5	773.47	5	521.80	5	270.51	5	22.51	5		
1/4	1526.69	1/4	1273.76	1/4	1020.82	1/4	768.22	1/4	516.56	1/4	265.28	1/4	18.92	1/4		
1/2	1521.42	1/2	1268.49	1/2	1015.55	1/2	762.96	1/2	511.33	1/2	260.04	1/2	15.66	1/2		
3/4	1516.15	3/4	1263.22	3/4	1010.28	3/4	757.70	3/4	506.09	3/4	254.80	3/4	12.73	3/4		
6	1510.88	6	1257.95	6	1005.01	6	752.45	6	500.86	6	249.57	6	10.13	6		
1/4	1505.61	1/4	1252.68	1/4	999.74	1/4	747.19	1/4	495.62	1/4	244.33	1/4	7.86	1/4		
1/2	1500.34	1/2	1247.41	1/2	994.47	1/2	741.94	1/2	490.39	1/2	239.10	1/2	5.92	1/2		
3/4	1495.07	3/4	1242.14	3/4	989.21	3/4	736.68	3/4	485.15	3/4	233.86	3/4	4.31	3/4		
7	1489.80	7	1236.87	7	983.94	7	731.42	7	479.92	7	228.63	7	3.03	7		
1/4	1484.53	1/4	1231.60	1/4	978.67	1/4	726.17	1/4	474.68	1/4	223.39	1/4	2.07	1/4		
1/2	1479.26	1/2	1226.33	1/2	973.40	1/2	720.91	1/2	469.45	1/2	218.16	1/2	1.43	1/2		
3/4	1473.99	3/4	1221.06	3/4	968.13	3/4	715.65	3/4	464.21	3/4	212.92	3/4	1.12	3/4		
8	1468.72	8	1215.79	8	962.86	8	710.40	8	458.98	8	207.69	8	1.07	8		
1/4	1463.45	1/4	1210.52	1/4	957.59	1/4	705.14	1/4	453.74	1/4	202.45	1/4	1.03	1/4		
1/2	1458.18	1/2	1205.25	1/2	952.32	1/2	699.88	1/2	448.51	1/2	197.22	1/2	0.98	1/2		
3/4	1452.91	3/4	1199.99	3/4	947.05	3/4	694.63	3/4	443.27	3/4	191.98	3/4	0.93	3/4		
9	1447.65	9	1194.72	9	941.78	9	689.36	9	438.04	9	186.75	9	0.89	9		
1/4	1442.38	1/4	1189.45	1/4	936.51	1/4	684.09	1/4	432.80	1/4	181.51	1/4	0.84	1/4		
1/2	1437.11	1/2	1184.18	1/2	931.24	1/2	678.82	1/2	427.57	1/2	176.28	1/2	0.79	1/2		
3/4	1431.84	3/4	1178.91	3/4	925.97	3/4	673.55	3/4	422.33	3/4	171.04	3/4	0.75	3/4		
10	1426.57	10	1173.64	10	920.70	10	668.28	10	417.10	10	165.81	10	0.70	10		
1/4	1421.30	1/4	1168.37	1/4	915.43	1/4	663.05	1/4	411.86	1/4	160.57	1/4	0.65	1/4		
1/2	1416.03	1/2	1163.10	1/2	910.16	1/2	657.83	1/2	406.63	1/2	155.34	1/2	0.61	1/2		
3/4	1410.76	3/4	1157.83	3/4	904.89	3/4	652.60	3/4	401.39	3/4	150.10	3/4	0.56	3/4		
11	1405.49	11	1152.56	11	899.62	11	647.38	11	396.16	11	144.87	11	0.51	11		
1/4	1400.22	1/4	1147.29	1/4	894.37	1/4	642.15	1/4	390.92	1/4	139.63	1/4	0.47	1/4		
1/2	1394.95	1/2	1142.02	1/2	889.11	1/2	636.92	1/2	385.68	1/2	134.40	1/2	0.42	1/2		
3/4	1389.68	3/4	1136.75	3/4	883.85	3/4	631.70	3/4	380.45	3/4	129.16	3/4	0.37	3/4		

Trim Correction	
+12"	-1/18
+9"	-7/8
+6"	-5/8
+3"	-1/4
EVEN	0
-3"	1/4
-6"	5/8
-9"	7/8
-12"	1 1/8

NOTE: GAUGE POINT: TO TOP UP OF 10" GAUGE HATCH ON EXPANSION TRUNK
 NOTE: GAUGE POINT LOCATED NEAR AFT OF TANK - TRIM CORRECTION REQUIRED.
 REFERENCE GAUGE HEIGHT PORT 17 1 3/4"
 NOTE FOR ULLAGES LESS THAN 2 00" USE INNAE TABLE (ULLAGE BY INNAE)

Calibrated: JF 11-25-2008
 Calculation: WHF 12/16/2008
 Issued: August 6, 2009
 FOR SUMP GAUGING

BARGE GRIFCO 3807
TANK: 2 Stbd
ULLAGE TABLE

CAPACITIES IN U.S. BARRELS FOR MANUAL GAUGING AT 10" GAUGE HATCH LOCATED ON EXPANSION TRUNK HULL No. 05-2538

IN	2 FT		3 FT		4 FT		5 FT		6 FT		7 FT		8 FT		9 FT	
	IN	FR	IN	FR	IN	FR	IN	FR	IN	FR	IN	FR	IN	FR	IN	FR
0	3648.06	0	3410.97	0	3158.51	0	2906.05	0	2653.59	0	2401.14	0	2148.53	0	1895.58	
1/4	3644.85	1/4	3405.71	1/4	3153.25	1/4	2900.79	1/4	2648.33	1/4	2395.88	1/4	2143.26	1/4	1890.31	
1/2	3641.49	1/2	3400.45	1/2	3147.99	1/2	2895.53	1/2	2643.07	1/2	2390.62	1/2	2137.99	1/2	1885.04	
3/4	3637.99	3/4	3395.19	3/4	3142.73	3/4	2890.27	3/4	2637.81	3/4	2385.36	3/4	2132.72	3/4	1879.77	
1	3634.34	1	3389.93	1	3137.47	1	2885.01	1	2632.55	1	2380.10	1	2127.45	1	1874.50	
1/4	3630.55	1/4	3384.67	1/4	3132.21	1/4	2879.75	1/4	2627.29	1/4	2374.84	1/4	2122.18	1/4	1869.23	
1/2	3626.60	1/2	3379.41	1/2	3126.95	1/2	2874.49	1/2	2622.03	1/2	2369.59	1/2	2116.91	1/2	1863.96	
3/4	3622.52	3/4	3374.15	3/4	3121.69	3/4	2869.23	3/4	2616.77	3/4	2364.33	3/4	2111.64	3/4	1858.69	
1	3618.28	1	3368.89	1	3116.43	1	2863.97	1	2611.51	1	2359.07	1	2106.37	1	1853.42	
1/4	3613.90	1/4	3363.63	1/4	3111.17	1/4	2858.71	1/4	2606.25	1/4	2353.81	1/4	2101.10	1/4	1848.15	
1/2	3609.37	1/2	3358.38	1/2	3105.91	1/2	2853.45	1/2	2600.99	1/2	2348.55	1/2	2095.83	1/2	1842.88	
3/4	3604.70	3/4	3353.12	3/4	3100.65	3/4	2848.19	3/4	2595.74	3/4	2343.29	3/4	2090.56	3/4	1837.61	
1	3599.88	1	3347.86	1	3095.40	1	2842.93	1	2590.48	1	2338.03	1	2085.29	1	1832.34	
1/4	3594.91	1/4	3342.60	1/4	3090.14	1/4	2837.67	1/4	2585.22	1/4	2332.77	1/4	2080.02	1/4	1827.07	
1/2	3589.80	1/2	3337.34	1/2	3084.88	1/2	2832.42	1/2	2579.96	1/2	2327.51	1/2	2074.75	1/2	1821.80	
3/4	3584.54	3/4	3332.08	3/4	3079.62	3/4	2827.16	3/4	2574.70	3/4	2322.25	3/4	2069.48	3/4	1816.53	
1	3579.28	1	3326.82	1	3074.36	1	2821.90	1	2569.44	1	2316.99	1	2064.21	1	1811.26	
1/4	3574.02	1/4	3321.56	1/4	3069.10	1/4	2816.64	1/4	2564.18	1/4	2311.73	1/4	2058.94	1/4	1805.99	
1/2	3568.76	1/2	3316.30	1/2	3063.84	1/2	2811.38	1/2	2558.92	1/2	2306.47	1/2	2053.67	1/2	1800.72	
3/4	3563.50	3/4	3311.04	3/4	3058.58	3/4	2806.12	3/4	2553.66	3/4	2301.21	3/4	2048.40	3/4	1795.45	
1	3558.24	1	3305.78	1	3053.32	1	2800.86	1	2548.40	1	2295.95	1	2043.13	1	1790.18	
1/4	3552.98	1/4	3300.52	1/4	3048.06	1/4	2795.60	1/4	2543.14	1/4	2290.70	1/4	2037.86	1/4	1784.91	
1/2	3547.72	1/2	3295.26	1/2	3042.80	1/2	2790.34	1/2	2537.88	1/2	2285.44	1/2	2032.59	1/2	1779.64	
3/4	3542.46	3/4	3290.00	3/4	3037.54	3/4	2785.08	3/4	2532.62	3/4	2280.18	3/4	2027.32	3/4	1774.37	
1	3537.20	1	3284.74	1	3032.28	1	2779.82	1	2527.36	1	2274.92	1	2022.05	1	1769.10	
1/4	3531.94	1/4	3279.48	1/4	3027.02	1/4	2774.56	1/4	2522.10	1/4	2269.66	1/4	2016.78	1/4	1763.83	
1/2	3526.68	1/2	3274.22	1/2	3021.76	1/2	2769.30	1/2	2516.85	1/2	2264.40	1/2	2011.51	1/2	1758.56	
3/4	3521.42	3/4	3268.96	3/4	3016.50	3/4	2764.04	3/4	2511.59	3/4	2259.14	3/4	2006.24	3/4	1753.29	
1	3516.16	1	3263.70	1	3011.24	1	2758.78	1	2506.33	1	2253.88	1	2000.97	1	1748.02	
1/4	3510.90	1/4	3258.44	1/4	3005.98	1/4	2753.52	1/4	2501.07	1/4	2248.62	1/4	1995.70	1/4	1742.75	
1/2	3505.64	1/2	3253.18	1/2	3000.72	1/2	2748.26	1/2	2495.81	1/2	2243.36	1/2	1990.43	1/2	1737.48	
3/4	3500.38	3/4	3247.92	3/4	2995.46	3/4	2743.00	3/4	2490.55	3/4	2238.10	3/4	1985.16	3/4	1732.21	
1	3495.12	1	3242.66	1	2990.20	1	2737.74	1	2485.29	1	2232.84	1	1979.89	1	1726.94	
1/4	3489.87	1/4	3237.40	1/4	2984.94	1/4	2732.48	1/4	2480.03	1/4	2227.57	1/4	1974.62	1/4	1721.67	
1/2	3484.61	1/2	3232.14	1/2	2979.68	1/2	2727.22	1/2	2474.77	1/2	2222.30	1/2	1969.35	1/2	1716.40	
3/4	3479.35	3/4	3226.89	3/4	2974.42	3/4	2721.96	3/4	2469.51	3/4	2217.03	3/4	1964.08	3/4	1711.13	
1	3474.09	1	3221.63	1	2969.16	1	2716.70	1	2464.25	1	2211.76	1	1958.81	1	1705.86	
1/4	3468.83	1/4	3216.37	1/4	2963.91	1/4	2711.44	1/4	2458.99	1/4	2206.49	1/4	1953.54	1/4	1700.59	
1/2	3463.57	1/2	3211.11	1/2	2958.65	1/2	2706.18	1/2	2453.73	1/2	2201.22	1/2	1948.27	1/2	1695.32	
3/4	3458.31	3/4	3205.85	3/4	2953.39	3/4	2700.93	3/4	2448.47	3/4	2195.95	3/4	1943.00	3/4	1690.05	
1	3453.05	1	3200.59	1	2948.13	1	2695.67	1	2443.22	1	2190.68	1	1937.73	1	1684.78	
1/4	3447.79	1/4	3195.33	1/4	2942.87	1/4	2690.41	1/4	2437.96	1/4	2185.42	1/4	1932.46	1/4	1679.51	
1/2	3442.53	1/2	3190.07	1/2	2937.61	1/2	2685.15	1/2	2432.70	1/2	2180.15	1/2	1927.19	1/2	1674.24	
3/4	3437.27	3/4	3184.81	3/4	2932.35	3/4	2679.89	3/4	2427.44	3/4	2174.88	3/4	1921.93	3/4	1668.97	
1	3432.01	1	3179.55	1	2927.09	1	2674.63	1	2422.18	1	2169.61	1	1916.66	1	1663.70	
1/4	3426.75	1/4	3174.29	1/4	2921.83	1/4	2669.37	1/4	2416.92	1/4	2164.34	1/4	1911.39	1/4	1658.44	
1/2	3421.49	1/2	3169.03	1/2	2916.57	1/2	2664.11	1/2	2411.66	1/2	2159.07	1/2	1906.12	1/2	1653.17	
3/4	3416.23	3/4	3163.77	3/4	2911.31	3/4	2658.85	3/4	2406.40	3/4	2153.80	3/4	1900.85	3/4	1647.90	

NOTE: GAUGE POINT: TO TOP LIP OF 10" GAUGE HATCH ON EXPANSION TRUNK. NOTE: GAUGE POINT LOCATED NEAR AFT OF TANK. TRIM CORRECTION REQUIRED. REFERENCE GAUGE HEIGHT STARBOARD: 17'2". NOTE: FOR ULLAGES LESS THAN 2'00" USE IMAGE TABLE (ULLAGE BY INCHES)

Calibrated: JF 11-25-2008
Calculation: WHF 12/16/2009
Re-issued: August 6, 2009
SUMP GAUGING

Intertek
Caleb Brett

BARGE GRIFCO 3807

ULLAGE TABLE
TANK: 2 Stbd

CAPACITIES IN U.S. BARRELS FOR MANUAL GAUGING AT 10" GAUGE HATCH LOCATED ON EXPANSION TRUNK HULL No. 05-2538

IN	10 FT		11 FT		12 FT		13 FT		14 FT		15 FT		16 FT		17 FT	
	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4
0	1642.63	0	1339.68	0	1136.75	0	883.85	0	631.70	0	380.45	0	129.16	0	0.37	
1/4	1637.36	1/4	1384.41	1/4	1131.48	1/4	878.60	1/4	626.47	1/4	375.21	1/4	123.93	1/4	0.33	
1/2	1632.09	1/2	1379.14	1/2	1126.21	1/2	873.34	1/2	621.25	1/2	369.98	1/2	118.69	1/2	0.28	
3/4	1626.82	3/4	1373.87	3/4	1120.94	3/4	868.08	3/4	616.02	3/4	364.74	3/4	113.45	3/4	0.23	
1	1621.55	1	1368.61	1	1115.67	1	862.83	1	610.80	1	359.51	1	108.22	1	0.19	
1/4	1616.28	1/4	1363.34	1/4	1110.40	1/4	857.57	1/4	605.56	1/4	354.27	1/4	102.98	1/4	0.14	
1/2	1611.01	1/2	1358.07	1/2	1105.13	1/2	852.32	1/2	600.33	1/2	349.04	1/2	97.75	1/2	0.09	
3/4	1605.74	3/4	1352.80	3/4	1099.86	3/4	847.06	3/4	595.09	3/4	343.80	3/4	92.51	3/4	0.05	
2	1600.47	2	1347.53	2	1094.60	2	841.80	2	589.86	2	338.57	2	87.28	2	0.00	
1/4	1595.20	1/4	1342.26	1/4	1089.33	1/4	836.55	1/4	584.62	1/4	333.33	1/4	82.04	1/4		
1/2	1589.93	1/2	1336.99	1/2	1084.06	1/2	831.29	1/2	579.39	1/2	328.10	1/2	76.81	1/2		
3/4	1584.66	3/4	1331.72	3/4	1078.79	3/4	826.03	3/4	574.15	3/4	322.86	3/4	71.57	3/4		
3	1579.39	3	1326.45	3	1073.52	3	820.78	3	568.92	3	317.63	3	66.34	3		
1/4	1574.12	1/4	1321.18	1/4	1068.25	1/4	815.52	1/4	563.68	1/4	312.39	1/4	61.10	1/4		
1/2	1568.85	1/2	1315.91	1/2	1062.98	1/2	810.27	1/2	558.45	1/2	307.16	1/2	55.87	1/2		
3/4	1563.58	3/4	1310.64	3/4	1057.71	3/4	805.01	3/4	553.21	3/4	301.92	3/4	50.63	3/4		
4	1558.31	4	1305.37	4	1052.44	4	799.75	4	547.96	4	296.69	4	45.39	4		
1/4	1553.04	1/4	1300.10	1/4	1047.17	1/4	794.50	1/4	542.74	1/4	291.45	1/4	40.16	1/4		
1/2	1547.77	1/2	1294.84	1/2	1041.90	1/2	789.24	1/2	537.51	1/2	286.22	1/2	35.25	1/2		
3/4	1542.50	3/4	1289.57	3/4	1036.63	3/4	783.99	3/4	532.27	3/4	280.98	3/4	30.68	3/4		
5	1537.23	5	1284.30	5	1031.36	5	778.73	5	527.04	5	275.75	5	26.43	5		
1/4	1531.96	1/4	1279.03	1/4	1026.09	1/4	773.47	1/4	521.80	1/4	270.51	1/4	22.51	1/4		
1/2	1526.69	1/2	1273.76	1/2	1020.82	1/2	768.22	1/2	516.56	1/2	265.28	1/2	18.92	1/2		
3/4	1521.42	3/4	1268.49	3/4	1015.55	3/4	762.96	3/4	511.33	3/4	260.04	3/4	15.66	3/4		
6	1516.15	6	1263.22	6	1010.28	6	757.70	6	506.09	6	254.80	6	12.73	6		
1/4	1510.88	1/4	1257.95	1/4	1005.01	1/4	752.45	1/4	500.86	1/4	249.57	1/4	10.13	1/4		
1/2	1505.61	1/2	1252.68	1/2	999.74	1/2	747.19	1/2	495.62	1/2	244.33	1/2	7.86	1/2		
3/4	1500.34	3/4	1247.41	3/4	994.47	3/4	741.94	3/4	490.39	3/4	239.10	3/4	5.92	3/4		
7	1495.07	7	1242.14	7	989.21	7	736.68	7	485.15	7	233.86	7	4.31	7		
1/4	1489.80	1/4	1236.87	1/4	983.94	1/4	731.42	1/4	479.92	1/4	228.63	1/4	3.03	1/4		
1/2	1484.53	1/2	1231.60	1/2	978.67	1/2	726.17	1/2	474.68	1/2	223.39	1/2	2.07	1/2		
3/4	1479.26	3/4	1226.33	3/4	973.40	3/4	720.91	3/4	469.45	3/4	218.16	3/4	1.43	3/4		
8	1473.99	8	1221.06	8	968.13	8	715.65	8	464.21	8	212.92	8	1.12	8		
1/4	1468.72	1/4	1215.79	1/4	962.86	1/4	710.40	1/4	458.98	1/4	207.69	1/4	1.07	1/4		
1/2	1463.45	1/2	1210.52	1/2	957.59	1/2	705.14	1/2	453.74	1/2	202.45	1/2	1.03	1/2		
3/4	1458.18	3/4	1205.25	3/4	952.32	3/4	699.88	3/4	448.51	3/4	197.22	3/4	0.98	3/4		
9	1452.91	9	1199.99	9	947.05	9	694.63	9	443.27	9	191.98	9	0.93	9		
1/4	1447.65	1/4	1194.72	1/4	941.78	1/4	689.36	1/4	438.04	1/4	186.75	1/4	0.89	1/4		
1/2	1442.38	1/2	1189.45	1/2	936.51	1/2	684.09	1/2	432.80	1/2	181.51	1/2	0.84	1/2		
3/4	1437.11	3/4	1184.18	3/4	931.24	3/4	678.82	3/4	427.57	3/4	176.28	3/4	0.79	3/4		
10	1431.84	10	1178.91	10	925.97	10	673.55	10	422.33	10	171.04	10	0.75	10		
1/4	1426.57	1/4	1173.64	1/4	920.70	1/4	668.28	1/4	417.10	1/4	165.81	1/4	0.70	1/4		
1/2	1421.30	1/2	1168.37	1/2	915.43	1/2	663.05	1/2	411.86	1/2	160.57	1/2	0.65	1/2		
3/4	1416.03	3/4	1163.10	3/4	910.16	3/4	657.83	3/4	406.63	3/4	155.34	3/4	0.61	3/4		
11	1410.76	11	1157.83	11	904.89	11	652.60	11	401.39	11	150.10	11	0.56	11		
1/4	1405.49	1/4	1152.56	1/4	899.62	1/4	647.38	1/4	396.16	1/4	144.87	1/4	0.51	1/4		
1/2	1400.22	1/2	1147.29	1/2	894.37	1/2	642.15	1/2	390.92	1/2	139.63	1/2	0.47	1/2		
3/4	1394.95	3/4	1142.02	3/4	889.11	3/4	636.92	3/4	385.68	3/4	134.40	3/4	0.42	3/4		

Trim Correction

NOTE: GAUGE POINT: TO TOP OF 10" GAUGE HATCH ON EXPANSION TRUNK
NOTE: GAUGE POINT LOCATED NEAR AFT OF TANK - TRIM CORRECTION REQUIRED
REFERENCE GAUGE HEIGHT 57480A017 Z'
NOTE: FOR ULLAGES LESS THAN 2' DO USE INWAGE TABLE (ULLAGE BY INWAGE)



Calibrated: JF 11-25-2008
Calculation: WHF 12/16/2008
Issued: August 6, 2009
FOR SUMP GAUGING

ULLAGE TABLE
TANK: 3 Port

CAPACITIES IN U.S. BARRELS
FOR MANUAL GAUGING AT 10" GAUGE HATCH LOCATED ON EXPANSION TRUNK
HULL No. 05-2538

IN	2 FT		3 FT		4 FT		5 FT		6 FT		7 FT		8 FT		9 FT	
	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	3643.43	0	3402.26	0	3149.67	0	2897.07	0	2644.48	0	2391.89	0	2139.13	0	1886.04	0
1/4	3639.93	1/4	3397.00	1/4	3144.40	1/4	2891.81	1/4	2639.21	1/4	2386.63	1/4	2133.85	1/4	1880.77	1/4
1/2	3636.28	1/2	3391.74	1/2	3139.14	1/2	2886.55	1/2	2633.95	1/2	2381.37	1/2	2128.58	1/2	1875.50	1/2
3/4	3632.48	3/4	3386.47	3/4	3133.88	3/4	2881.28	3/4	2628.69	3/4	2376.11	3/4	2123.31	3/4	1870.22	3/4
1	3628.54	1	3381.21	1	3128.62	1	2876.02	1	2623.43	1	2370.85	1	2118.03	1	1864.95	1
1/4	3624.44	1/4	3375.95	1/4	3123.35	1/4	2870.76	1/4	2618.17	1/4	2365.58	1/4	2112.76	1/4	1859.68	1/4
1/2	3620.21	1/2	3370.69	1/2	3118.09	1/2	2865.50	1/2	2612.90	1/2	2360.32	1/2	2107.49	1/2	1854.40	1/2
3/4	3615.82	3/4	3365.43	3/4	3112.83	3/4	2860.23	3/4	2607.64	3/4	2355.06	3/4	2102.22	3/4	1849.13	3/4
2	3611.29	2	3360.16	2	3107.57	2	2854.97	2	2602.38	2	2349.80	2	2096.94	2	1843.86	2
1/4	3606.62	1/4	3354.90	1/4	3102.31	1/4	2849.71	1/4	2597.12	1/4	2344.54	1/4	2091.67	1/4	1838.59	1/4
1/2	3601.79	1/2	3349.64	1/2	3097.04	1/2	2844.45	1/2	2591.85	1/2	2339.27	1/2	2086.40	1/2	1833.31	1/2
3/4	3596.82	3/4	3344.38	3/4	3091.78	3/4	2839.19	3/4	2586.59	3/4	2334.01	3/4	2081.13	3/4	1828.04	3/4
3	3591.71	3	3339.11	3	3086.52	3	2833.92	3	2581.33	3	2328.75	3	2075.85	3	1822.77	3
1/4	3586.45	1/4	3333.85	1/4	3081.26	1/4	2828.66	1/4	2576.07	1/4	2323.49	1/4	2070.58	1/4	1817.50	1/4
1/2	3581.18	1/2	3328.59	1/2	3075.99	1/2	2823.40	1/2	2570.81	1/2	2318.23	1/2	2065.31	1/2	1812.22	1/2
3/4	3575.92	3/4	3323.33	3/4	3070.73	3/4	2818.14	3/4	2565.54	3/4	2312.96	3/4	2060.04	3/4	1806.95	3/4
4	3570.66	4	3318.06	4	3065.47	4	2812.87	4	2560.28	4	2307.70	4	2054.76	4	1801.68	4
1/4	3565.40	1/4	3312.80	1/4	3060.21	1/4	2807.61	1/4	2555.02	1/4	2302.44	1/4	2049.49	1/4	1796.41	1/4
1/2	3560.13	1/2	3307.54	1/2	3054.94	1/2	2802.35	1/2	2549.76	1/2	2297.18	1/2	2044.22	1/2	1791.13	1/2
3/4	3554.87	3/4	3302.28	3/4	3049.68	3/4	2797.09	3/4	2544.50	3/4	2291.91	3/4	2038.95	3/4	1785.86	3/4
5	3549.61	5	3297.01	5	3044.42	5	2791.82	5	2539.23	5	2286.65	5	2033.67	5	1780.59	5
1/4	3544.35	1/4	3291.75	1/4	3039.16	1/4	2786.56	1/4	2533.97	1/4	2281.39	1/4	2028.40	1/4	1775.32	1/4
1/2	3539.08	1/2	3286.49	1/2	3033.89	1/2	2781.30	1/2	2528.71	1/2	2276.13	1/2	2023.13	1/2	1770.04	1/2
3/4	3533.82	3/4	3281.23	3/4	3028.63	3/4	2776.04	3/4	2523.45	3/4	2270.87	3/4	2017.86	3/4	1764.77	3/4
6	3528.56	6	3275.96	6	3023.37	6	2770.77	6	2518.19	6	2265.60	6	2012.58	6	1759.50	6
1/4	3523.30	1/4	3270.70	1/4	3018.11	1/4	2765.51	1/4	2512.92	1/4	2260.34	1/4	2007.31	1/4	1754.23	1/4
1/2	3518.03	1/2	3265.44	1/2	3012.84	1/2	2760.25	1/2	2507.66	1/2	2255.08	1/2	2002.04	1/2	1748.95	1/2
3/4	3512.77	3/4	3260.18	3/4	3007.58	3/4	2754.99	3/4	2502.40	3/4	2249.82	3/4	1996.76	3/4	1743.68	3/4
7	3507.51	7	3254.91	7	3002.32	7	2749.72	7	2497.14	7	2244.56	7	1991.49	7	1738.41	7
1/4	3502.25	1/4	3249.65	1/4	2997.06	1/4	2744.46	1/4	2491.87	1/4	2239.29	1/4	1986.22	1/4	1733.13	1/4
1/2	3496.99	1/2	3244.39	1/2	2991.79	1/2	2739.20	1/2	2486.61	1/2	2234.03	1/2	1980.95	1/2	1727.86	1/2
3/4	3491.72	3/4	3239.13	3/4	2986.53	3/4	2733.94	3/4	2481.35	3/4	2228.76	3/4	1975.67	3/4	1722.59	3/4
8	3486.46	8	3233.87	8	2981.27	8	2728.67	8	2476.09	8	2223.49	8	1970.40	8	1717.32	8
1/4	3481.20	1/4	3228.60	1/4	2976.01	1/4	2723.41	1/4	2470.83	1/4	2218.21	1/4	1965.13	1/4	1712.04	1/4
1/2	3475.94	1/2	3223.34	1/2	2970.75	1/2	2718.15	1/2	2465.56	1/2	2212.94	1/2	1959.86	1/2	1706.77	1/2
3/4	3470.67	3/4	3218.08	3/4	2965.48	3/4	2712.89	3/4	2460.30	3/4	2207.67	3/4	1954.58	3/4	1701.50	3/4
9	3465.41	9	3212.82	9	2960.22	9	2707.63	9	2455.04	9	2202.40	9	1949.31	9	1696.23	9
1/4	3460.15	1/4	3207.55	1/4	2954.96	1/4	2702.36	1/4	2449.78	1/4	2197.12	1/4	1944.04	1/4	1690.95	1/4
1/2	3454.89	1/2	3202.29	1/2	2949.70	1/2	2697.10	1/2	2444.52	1/2	2191.85	1/2	1938.77	1/2	1685.68	1/2
3/4	3449.62	3/4	3197.03	3/4	2944.43	3/4	2691.84	3/4	2439.25	3/4	2186.58	3/4	1933.49	3/4	1680.41	3/4
10	3444.36	10	3191.77	10	2939.17	10	2686.58	10	2433.99	10	2181.31	10	1928.22	10	1675.14	10
1/4	3439.10	1/4	3186.50	1/4	2933.91	1/4	2681.31	1/4	2428.73	1/4	2176.03	1/4	1922.95	1/4	1669.86	1/4
1/2	3433.84	1/2	3181.24	1/2	2928.65	1/2	2676.05	1/2	2423.47	1/2	2170.76	1/2	1917.68	1/2	1664.59	1/2
3/4	3428.57	3/4	3175.98	3/4	2923.38	3/4	2670.79	3/4	2418.21	3/4	2165.49	3/4	1912.40	3/4	1659.32	3/4
11	3423.31	11	3170.72	11	2918.12	11	2665.53	11	2412.94	11	2160.22	11	1907.13	11	1654.05	11
1/4	3418.05	1/4	3165.45	1/4	2912.86	1/4	2660.26	1/4	2407.68	1/4	2154.94	1/4	1901.86	1/4	1648.77	1/4
1/2	3412.79	1/2	3160.19	1/2	2907.60	1/2	2655.00	1/2	2402.42	1/2	2149.67	1/2	1896.59	1/2	1643.50	1/2
3/4	3407.52	3/4	3154.93	3/4	2902.33	3/4	2649.74	3/4	2397.16	3/4	2144.40	3/4	1891.31	3/4	1638.23	3/4

NOTE: GAUGE POINT: TO TOP UP OF 10" GAUGE HATCH, ON EXPANSION TRUNK.
NOTE: GAUGE POINT LOCATED NEAR AFT OF TANK. -TRIM CORRECTION REQUIRED.
REFERENCE GAUGE HEIGHT PORT#11 1'12"
NOTE: FOR ULLAGES LESS THAN 2'00" USE ULLAGE TABLE (ULLAGE BY INCHES)

Calibrated: JF 11-25-2008
Calculation: WHF 12/16/2009
Re-issued: August 6, 2009
SUMP GAUGING

Intertek
Caleb Brett

BARGE GRIFCO 3807

ULLAGE TABLE
TANK: 3 Port

CAPACITIES IN U.S. BARRELS FOR MANUAL GAUGING AT 10" GAUGE HATCH LOCATED ON EXPANSION TRUNK HULL No. 06-2538

IN	10 FT		11 FT		12 FT		13 FT		14 FT		15 FT		16 FT		17 FT	
	IN	FR	IN	FR	IN	FR	IN	FR	IN	FR	IN	FR	IN	FR	IN	FR
0	1632.96	0	1379.88	0	1126.81	0	873.81	0	621.58	0	370.18	0	118.75	0	0.28	
1/4	1627.68	1/4	1374.61	1/4	1121.54	1/4	868.55	1/4	616.35	1/4	364.94	1/4	113.51	1/4	0.23	
1/2	1622.41	1/2	1369.33	1/2	1116.27	1/2	863.29	1/2	611.12	1/2	359.70	1/2	108.28	1/2	0.19	
3/4	1617.14	3/4	1364.06	3/4	1111.00	3/4	858.03	3/4	605.89	3/4	354.46	3/4	103.04	3/4	0.14	
1	1611.87	1	1358.79	1	1105.72	1	852.77	1	600.65	1	349.22	1	97.80	1	0.09	
1/4	1606.59	1/4	1353.52	1/4	1100.45	1/4	847.51	1/4	595.41	1/4	343.99	1/4	92.56	1/4	0.05	
1/2	1601.32	1/2	1348.25	1/2	1095.18	1/2	842.25	1/2	590.17	1/2	338.75	1/2	87.32	1/2	0.00	
3/4	1596.05	3/4	1342.97	3/4	1089.91	3/4	836.99	3/4	584.93	3/4	333.51	3/4	82.09	3/4		
2	1590.77	2	1337.70	2	1084.63	2	831.73	2	579.70	2	328.27	2	76.85	2		
1/4	1585.50	1/4	1332.43	1/4	1079.36	1/4	826.48	1/4	574.46	1/4	323.03	1/4	71.61	1/4		
1/2	1580.23	1/2	1327.16	1/2	1074.09	1/2	821.22	1/2	569.22	1/2	317.80	1/2	66.37	1/2		
3/4	1574.96	3/4	1321.89	3/4	1068.82	3/4	815.96	3/4	563.98	3/4	312.56	3/4	61.13	3/4		
3	1569.68	3	1316.61	3	1063.55	3	810.70	3	558.74	3	307.32	3	55.89	3		
1/4	1564.41	1/4	1311.34	1/4	1058.27	1/4	805.44	1/4	553.51	1/4	302.08	1/4	50.66	1/4		
1/2	1559.14	1/2	1306.07	1/2	1053.00	1/2	800.18	1/2	548.27	1/2	296.84	1/2	45.42	1/2		
3/4	1553.87	3/4	1300.80	3/4	1047.73	3/4	794.92	3/4	543.03	3/4	291.61	3/4	40.18	3/4		
4	1548.59	4	1295.53	4	1042.46	4	789.66	4	537.79	4	286.37	4	35.27	4		
1/4	1543.32	1/4	1290.25	1/4	1037.18	1/4	784.40	1/4	532.55	1/4	281.13	1/4	30.69	1/4		
1/2	1538.05	1/2	1284.98	1/2	1031.91	1/2	779.14	1/2	527.32	1/2	275.89	1/2	26.44	1/2		
3/4	1532.78	3/4	1279.71	3/4	1026.64	3/4	773.89	3/4	522.08	3/4	270.65	3/4	22.52	3/4		
5	1527.50	5	1274.44	5	1021.37	5	768.63	5	516.84	5	265.42	5	18.93	5		
1/4	1522.23	1/4	1269.17	1/4	1016.09	1/4	763.37	1/4	511.60	1/4	260.18	1/4	15.67	1/4		
1/2	1516.96	1/2	1263.89	1/2	1010.82	1/2	758.11	1/2	506.36	1/2	254.94	1/2	12.74	1/2		
3/4	1511.69	3/4	1258.62	3/4	1005.55	3/4	752.85	3/4	501.13	3/4	249.70	3/4	10.14	3/4		
6	1506.41	6	1253.35	6	1000.28	6	747.59	6	495.89	6	244.46	6	7.87	6		
1/4	1501.14	1/4	1248.08	1/4	995.01	1/4	742.33	1/4	490.65	1/4	239.23	1/4	5.92	1/4		
1/2	1495.87	1/2	1242.80	1/2	989.73	1/2	737.07	1/2	485.41	1/2	233.99	1/2	4.31	1/2		
3/4	1490.60	3/4	1237.53	3/4	984.46	3/4	731.81	3/4	480.17	3/4	228.75	3/4	3.03	3/4		
7	1485.32	7	1232.26	7	979.19	7	726.55	7	474.94	7	223.51	7	2.07	7		
1/4	1480.05	1/4	1226.99	1/4	973.92	1/4	721.30	1/4	469.70	1/4	218.27	1/4	1.43	1/4		
1/2	1474.78	1/2	1221.71	1/2	968.64	1/2	716.04	1/2	464.46	1/2	213.03	1/2	1.12	1/2		
3/4	1469.50	3/4	1216.44	3/4	963.37	3/4	710.78	3/4	459.22	3/4	207.80	3/4	1.07	3/4		
8	1464.23	8	1211.17	8	958.10	8	705.52	8	453.98	8	202.56	8	1.03	8		
1/4	1458.96	1/4	1205.90	1/4	952.83	1/4	700.26	1/4	448.75	1/4	197.32	1/4	0.98	1/4		
1/2	1453.69	1/2	1200.63	1/2	947.55	1/2	695.00	1/2	443.51	1/2	192.08	1/2	0.93	1/2		
3/4	1448.42	3/4	1195.36	3/4	942.28	3/4	689.73	3/4	438.27	3/4	186.85	3/4	0.89	3/4		
9	1443.14	9	1190.08	9	937.01	9	684.45	9	433.03	9	181.61	9	0.84	9		
1/4	1437.87	1/4	1184.81	1/4	931.74	1/4	679.18	1/4	427.79	1/4	176.37	1/4	0.79	1/4		
1/2	1432.60	1/2	1179.54	1/2	926.47	1/2	673.91	1/2	422.56	1/2	171.13	1/2	0.75	1/2		
3/4	1427.33	3/4	1174.26	3/4	921.19	3/4	668.63	3/4	417.32	3/4	165.90	3/4	0.70	3/4		
10	1422.06	10	1168.99	10	915.92	10	663.41	10	412.08	10	160.66	10	0.65	10		
1/4	1416.78	1/4	1163.72	1/4	910.65	1/4	658.18	1/4	406.84	1/4	155.42	1/4	0.61	1/4		
1/2	1411.51	1/2	1158.45	1/2	905.38	1/2	652.95	1/2	401.60	1/2	150.18	1/2	0.56	1/2		
3/4	1406.24	3/4	1153.17	3/4	900.10	3/4	647.72	3/4	396.37	3/4	144.94	3/4	0.51	3/4		
11	1400.97	11	1147.90	11	894.84	11	642.49	11	391.13	11	139.71	11	0.47	11		
1/4	1395.70	1/4	1142.63	1/4	889.58	1/4	637.27	1/4	385.89	1/4	134.47	1/4	0.42	1/4		
1/2	1390.42	1/2	1137.36	1/2	884.33	1/2	632.04	1/2	380.65	1/2	129.23	1/2	0.37	1/2		
3/4	1385.15	3/4	1132.09	3/4	879.07	3/4	626.81	3/4	375.41	3/4	123.99	3/4	0.33	3/4		

Firm Correction
+12" -1/8
+9" -7/8
+6" -5/8
+3" -1/4
EVEN 0

NOTE: GAUGE POINT: TO TOP UP OF 10" GAUGE HATCH ON EXPANSION TRUNK.
NOTE: GAUGE POINT LOCATED NEAR AFT OF TANK - TRIM CORRECTION REQUIRED.
REFERENCE GAUGE HEIGHT PORT 1" 1/2".
NOTE: FOR ULLAGES LESS THAN 2' 0" USE INNAUGE TABLE (ULLAGE BY INNAUGE).
Calibrated: JF 11-25-2008
Calculation: WHF 12/16/2009
Issued: August 6, 2009
FOR SUMP GAUGING

Intertek
Caleb Brett

BARGE GRIFCO 3807

ULLAGE TABLE
TANK: 3 Stbd

CAPACITIES IN U.S. BARRELS FOR MANUAL GAUGING AT 10" GAUGE HATCH LOCATED ON EXPANSION TRUNK HULL No. 05-2538

IN	2 FT		3 FT		4 FT		5 FT		6 FT		7 FT		8 FT		9 FT	
	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	3639.93	0	3397.00	0	3144.40	0	2891.81	0	2639.21	0	2386.63	0	2133.85	0	1880.77	0
1/4	3636.28	1/4	3391.74	1/4	3139.14	1/4	2886.55	1/4	2633.95	1/4	2381.37	1/4	2128.58	1/4	1875.50	1/4
1/2	3632.48	1/2	3386.47	1/2	3133.88	1/2	2881.28	1/2	2628.69	1/2	2376.11	1/2	2123.31	1/2	1870.22	1/2
3/4	3628.54	3/4	3381.21	3/4	3128.62	3/4	2876.02	3/4	2623.43	3/4	2370.85	3/4	2118.03	3/4	1864.95	3/4
1	3624.44	1	3375.95	1	3123.35	1	2870.76	1	2618.17	1	2365.58	1	2112.76	1	1859.68	1
1/4	3620.21	1/4	3370.69	1/4	3118.09	1/4	2865.50	1/4	2612.90	1/4	2360.32	1/4	2107.49	1/4	1854.40	1/4
1/2	3615.82	1/2	3365.43	1/2	3112.83	1/2	2860.23	1/2	2607.64	1/2	2355.06	1/2	2102.22	1/2	1849.13	1/2
3/4	3611.29	3/4	3360.16	3/4	3107.57	3/4	2854.97	3/4	2602.38	3/4	2349.80	3/4	2096.94	3/4	1843.86	3/4
2	3606.62	2	3354.90	2	3102.31	2	2849.71	2	2597.12	2	2344.54	2	2091.67	2	1838.59	2
1/4	3601.79	1/4	3349.64	1/4	3097.04	1/4	2844.45	1/4	2591.85	1/4	2339.27	1/4	2086.40	1/4	1833.31	1/4
1/2	3596.82	1/2	3344.38	1/2	3091.78	1/2	2839.19	1/2	2586.59	1/2	2334.01	1/2	2081.13	1/2	1828.04	1/2
3/4	3591.71	3/4	3339.11	3/4	3086.52	3/4	2833.92	3/4	2581.33	3/4	2328.75	3/4	2075.85	3/4	1822.77	3/4
3	3586.45	3	3333.85	3	3081.26	3	2828.66	3	2576.07	3	2323.49	3	2070.58	3	1817.50	3
1/4	3581.18	1/4	3328.59	1/4	3075.99	1/4	2823.40	1/4	2570.81	1/4	2318.23	1/4	2065.31	1/4	1812.22	1/4
1/2	3575.92	1/2	3323.33	1/2	3070.73	1/2	2818.14	1/2	2565.54	1/2	2312.96	1/2	2060.04	1/2	1806.95	1/2
3/4	3570.66	3/4	3318.06	3/4	3065.47	3/4	2812.87	3/4	2560.28	3/4	2307.70	3/4	2054.76	3/4	1801.68	3/4
4	3565.40	4	3312.80	4	3060.21	4	2807.61	4	2555.02	4	2302.44	4	2049.49	4	1796.41	4
1/4	3560.13	1/4	3307.54	1/4	3054.94	1/4	2802.35	1/4	2549.76	1/4	2297.18	1/4	2044.22	1/4	1791.13	1/4
1/2	3554.87	1/2	3302.28	1/2	3049.68	1/2	2797.09	1/2	2544.50	1/2	2291.91	1/2	2038.95	1/2	1785.86	1/2
3/4	3549.61	3/4	3297.01	3/4	3044.42	3/4	2791.82	3/4	2539.23	3/4	2286.65	3/4	2033.67	3/4	1780.59	3/4
5	3544.35	5	3291.75	5	3039.16	5	2786.56	5	2533.97	5	2281.39	5	2028.40	5	1775.32	5
1/4	3539.08	1/4	3286.49	1/4	3033.89	1/4	2781.30	1/4	2528.71	1/4	2276.13	1/4	2023.13	1/4	1770.04	1/4
1/2	3533.82	1/2	3281.23	1/2	3028.63	1/2	2776.04	1/2	2523.45	1/2	2270.87	1/2	2017.86	1/2	1764.77	1/2
3/4	3528.56	3/4	3275.96	3/4	3023.37	3/4	2770.77	3/4	2518.19	3/4	2265.60	3/4	2012.58	3/4	1759.50	3/4
6	3523.30	6	3270.70	6	3018.11	6	2765.51	6	2512.92	6	2260.34	6	2007.31	6	1754.23	6
1/4	3518.03	1/4	3265.44	1/4	3012.84	1/4	2760.25	1/4	2507.66	1/4	2255.08	1/4	2002.04	1/4	1748.95	1/4
1/2	3512.77	1/2	3260.18	1/2	3007.58	1/2	2754.99	1/2	2502.40	1/2	2249.82	1/2	1996.76	1/2	1743.68	1/2
3/4	3507.51	3/4	3254.91	3/4	3002.32	3/4	2749.72	3/4	2497.14	3/4	2244.56	3/4	1991.49	3/4	1738.41	3/4
7	3502.25	7	3249.65	7	2997.06	7	2744.46	7	2491.87	7	2239.29	7	1986.22	7	1733.13	7
1/4	3496.99	1/4	3244.39	1/4	2991.79	1/4	2739.20	1/4	2486.61	1/4	2234.03	1/4	1980.95	1/4	1727.86	1/4
1/2	3491.72	1/2	3239.13	1/2	2986.53	1/2	2733.94	1/2	2481.35	1/2	2228.76	1/2	1975.67	1/2	1722.59	1/2
3/4	3486.46	3/4	3233.87	3/4	2981.27	3/4	2728.67	3/4	2476.09	3/4	2223.49	3/4	1970.40	3/4	1717.32	3/4
8	3481.20	8	3228.60	8	2976.01	8	2723.41	8	2470.83	8	2218.21	8	1965.13	8	1712.04	8
1/4	3475.94	1/4	3223.34	1/4	2970.75	1/4	2718.15	1/4	2465.56	1/4	2212.94	1/4	1959.86	1/4	1706.77	1/4
1/2	3470.67	1/2	3218.08	1/2	2965.48	1/2	2712.89	1/2	2460.30	1/2	2207.67	1/2	1954.58	1/2	1701.50	1/2
3/4	3465.41	3/4	3212.82	3/4	2960.22	3/4	2707.63	3/4	2455.04	3/4	2202.40	3/4	1949.31	3/4	1696.23	3/4
9	3460.15	9	3207.55	9	2954.96	9	2702.36	9	2449.78	9	2197.12	9	1944.04	9	1690.95	9
1/4	3454.89	1/4	3202.29	1/4	2949.70	1/4	2697.10	1/4	2444.52	1/4	2191.85	1/4	1938.77	1/4	1685.68	1/4
1/2	3449.62	1/2	3197.03	1/2	2944.43	1/2	2691.84	1/2	2439.26	1/2	2186.58	1/2	1933.49	1/2	1680.41	1/2
3/4	3444.36	3/4	3191.77	3/4	2939.17	3/4	2686.58	3/4	2433.99	3/4	2181.31	3/4	1928.22	3/4	1675.14	3/4
10	3439.10	10	3186.50	10	2933.91	10	2681.31	10	2428.73	10	2176.03	10	1922.95	10	1669.86	10
1/4	3433.84	1/4	3181.24	1/4	2928.65	1/4	2676.05	1/4	2423.47	1/4	2170.76	1/4	1917.68	1/4	1664.59	1/4
1/2	3428.57	1/2	3175.98	1/2	2923.38	1/2	2670.79	1/2	2418.21	1/2	2165.49	1/2	1912.40	1/2	1659.32	1/2
3/4	3423.31	3/4	3170.72	3/4	2918.12	3/4	2665.53	3/4	2412.94	3/4	2160.22	3/4	1907.13	3/4	1654.05	3/4
11	3418.05	11	3165.45	11	2912.86	11	2660.26	11	2407.68	11	2154.94	11	1901.86	11	1648.77	11
1/4	3412.79	1/4	3160.19	1/4	2907.60	1/4	2655.00	1/4	2402.42	1/4	2149.67	1/4	1896.59	1/4	1643.50	1/4
1/2	3407.52	1/2	3154.93	1/2	2902.33	1/2	2649.74	1/2	2397.16	1/2	2144.40	1/2	1891.31	1/2	1638.23	1/2
3/4	3402.26	3/4	3149.67	3/4	2897.07	3/4	2644.48	3/4	2391.89	3/4	2139.13	3/4	1886.04	3/4	1632.96	3/4

NOTE: GAUGE POINT: TO TOP LIP OF 10" GAUGE HATCH ON EXPANSION TRUNK
NOTE: GAUGE POINT LOCATED NEAR AFT OF TANK - TFM CORRECTION REQUIRED
REFERENCE GAUGE HEIGHT STABOARD: 7' 1 1/4"
NOTE: FOR ULLAGES LESS THAN 2" DP USE INNAKE TABLE (ULLAGE BY INNAKE)



Calibrated: JF 11-25-2008
Calculation: WHF 12/16/2009
Re-issued: August 6, 2009
SUMP GAUGING

Intertek
Caleb Brett

BARGE GRIFCO 3807

ULLAGE TABLE
TANK: 3 Stbd

CAPACITIES IN U.S. BARRELS

FOR MANUAL GAUGING AT 10" GAUGE HATCH LOCATED ON EXPANSION TRUNK

HULL No. 05-2538

IN	10 FT		11 FT		12 FT		13 FT		14 FT		15 FT		16 FT		17 FT	
	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	1627.68	0	1374.61	0	1121.54	0	868.55	0	616.35	0	364.94	0	113.51	0	0.23	
1/4	1622.41	1/4	1369.33	1/4	1116.27	1/4	863.29	1/4	611.12	1/4	359.70	1/4	108.28	1/4	0.19	
1/2	1617.14	1/2	1364.06	1/2	1111.00	1/2	858.03	1/2	605.89	1/2	354.46	1/2	103.04	1/2	0.14	
3/4	1611.87	3/4	1358.79	3/4	1105.72	3/4	852.77	3/4	600.65	3/4	349.22	3/4	97.80	3/4	0.09	
1	1606.59	1	1353.52	1	1100.45	1	847.51	1	595.41	1	343.99	1	92.56	1	0.05	
1/4	1601.32	1/4	1348.25	1/4	1095.18	1/4	842.25	1/4	590.17	1/4	338.75	1/4	87.32	1/4	0.00	
1/2	1596.05	1/2	1342.97	1/2	1089.91	1/2	836.99	1/2	584.93	1/2	333.51	1/2	82.09	1/2		
3/4	1590.77	3/4	1337.70	3/4	1084.63	3/4	831.73	3/4	579.70	3/4	328.27	3/4	76.85	3/4		
2	1585.50	2	1332.43	2	1079.36	2	826.48	2	574.46	2	323.03	2	71.61	2		
1/4	1580.23	1/4	1327.16	1/4	1074.09	1/4	821.22	1/4	569.22	1/4	317.80	1/4	66.37	1/4		
1/2	1574.96	1/2	1321.89	1/2	1068.82	1/2	815.96	1/2	563.98	1/2	312.56	1/2	61.13	1/2		
3/4	1569.68	3/4	1316.61	3/4	1063.55	3/4	810.70	3/4	558.74	3/4	307.32	3/4	55.89	3/4		
3	1564.41	3	1311.34	3	1058.27	3	805.44	3	553.51	3	302.08	3	50.66	3		
1/4	1559.14	1/4	1306.07	1/4	1053.00	1/4	800.18	1/4	548.27	1/4	296.84	1/4	45.42	1/4		
1/2	1553.87	1/2	1300.80	1/2	1047.73	1/2	794.92	1/2	543.03	1/2	291.61	1/2	40.18	1/2		
3/4	1548.59	3/4	1295.53	3/4	1042.46	3/4	789.66	3/4	537.79	3/4	286.37	3/4	35.27	3/4		
4	1543.32	4	1290.25	4	1037.18	4	784.40	4	532.55	4	281.13	4	30.69	4		
1/4	1538.05	1/4	1284.98	1/4	1031.91	1/4	779.14	1/4	527.32	1/4	275.89	1/4	26.44	1/4		
1/2	1532.78	1/2	1279.71	1/2	1026.64	1/2	773.89	1/2	522.08	1/2	270.65	1/2	22.52	1/2		
3/4	1527.50	3/4	1274.44	3/4	1021.37	3/4	768.63	3/4	516.84	3/4	265.42	3/4	18.93	3/4		
5	1522.23	5	1269.17	5	1016.09	5	763.37	5	511.60	5	260.18	5	15.67	5		
1/4	1516.96	1/4	1263.89	1/4	1010.82	1/4	758.11	1/4	506.36	1/4	254.94	1/4	12.74	1/4		
1/2	1511.69	1/2	1258.62	1/2	1005.55	1/2	752.85	1/2	501.13	1/2	249.70	1/2	10.14	1/2		
3/4	1506.41	3/4	1253.35	3/4	1000.28	3/4	747.59	3/4	495.89	3/4	244.46	3/4	7.87	3/4		
6	1501.14	6	1248.08	6	995.01	6	742.33	6	490.65	6	239.23	6	5.92	6		
1/4	1495.87	1/4	1242.80	1/4	989.73	1/4	737.07	1/4	485.41	1/4	233.99	1/4	4.31	1/4		
1/2	1490.60	1/2	1237.53	1/2	984.46	1/2	731.81	1/2	480.17	1/2	228.75	1/2	3.03	1/2		
3/4	1485.32	3/4	1232.26	3/4	979.19	3/4	726.55	3/4	474.94	3/4	223.51	3/4	2.07	3/4		
7	1480.05	7	1226.99	7	973.92	7	721.30	7	469.70	7	218.27	7	1.43	7		
1/4	1474.78	1/4	1221.71	1/4	968.64	1/4	716.04	1/4	464.46	1/4	213.03	1/4	1.12	1/4		
1/2	1469.50	1/2	1216.44	1/2	963.37	1/2	710.78	1/2	459.22	1/2	207.80	1/2	1.07	1/2		
3/4	1464.23	3/4	1211.17	3/4	958.10	3/4	705.52	3/4	453.98	3/4	202.56	3/4	1.03	3/4		
8	1458.96	8	1205.90	8	952.83	8	700.26	8	448.75	8	197.32	8	0.98	8		
1/4	1453.69	1/4	1200.63	1/4	947.55	1/4	695.00	1/4	443.51	1/4	192.08	1/4	0.93	1/4		
1/2	1448.42	1/2	1195.35	1/2	942.28	1/2	689.73	1/2	438.27	1/2	186.85	1/2	0.89	1/2		
3/4	1443.14	3/4	1190.08	3/4	937.01	3/4	684.45	3/4	433.03	3/4	181.61	3/4	0.84	3/4		
9	1437.87	9	1184.81	9	931.74	9	679.18	9	427.79	9	176.37	9	0.79	9		
1/4	1432.60	1/4	1179.54	1/4	926.47	1/4	673.91	1/4	422.56	1/4	171.13	1/4	0.75	1/4		
1/2	1427.33	1/2	1174.26	1/2	921.19	1/2	668.63	1/2	417.32	1/2	165.90	1/2	0.70	1/2		
3/4	1422.06	3/4	1168.99	3/4	915.92	3/4	663.41	3/4	412.08	3/4	160.66	3/4	0.65	3/4		
10	1416.78	10	1163.72	10	910.65	10	658.18	10	406.84	10	155.42	10	0.61	10		
1/4	1411.51	1/4	1158.45	1/4	905.38	1/4	652.95	1/4	401.60	1/4	150.18	1/4	0.56	1/4		
1/2	1406.24	1/2	1153.17	1/2	900.10	1/2	647.72	1/2	396.37	1/2	144.94	1/2	0.51	1/2		
3/4	1400.97	3/4	1147.90	3/4	894.84	3/4	642.49	3/4	391.13	3/4	139.71	3/4	0.47	3/4		
11	1395.70	11	1142.63	11	889.58	11	637.27	11	385.89	11	134.47	11	0.42	11		
1/4	1390.42	1/4	1137.36	1/4	884.33	1/4	632.04	1/4	380.65	1/4	129.23	1/4	0.37	1/4		
1/2	1385.15	1/2	1132.09	1/2	879.07	1/2	626.81	1/2	375.41	1/2	123.99	1/2	0.33	1/2		
3/4	1379.88	3/4	1126.81	3/4	873.81	3/4	621.58	3/4	370.18	3/4	118.75	3/4	0.28	3/4		

Trim Correction

NOTE: GAUGE POINT: TO TOP OF 10" GAUGE HATCH, ON EXPANSION TRUNK
NOTE: GAUGE POINT LOCATED NEAR AFT OF TANK - TRIM CORRECTION REQUIRED.
REFERENCE GAUGE HEIGHT STAIRBOARD: 17' 1 1/4"
NOTE: FOR ULLAGES LESS THAN 2'00" USE INNAUGE TABLE (ULLAGE BY INNAUGE)



Calibrated: JF 11-25-2008
Calculation: WHF 12/16/2009
Issued: August 6, 2009
FOR SUMP GAUGING

ULLAGE TABLE
TANK: 4 Port

CAPACITIES IN U.S. BARRELS FOR MANUAL GAUGING AT 10" GAUGE HATCH LOCATED ON EXPANSION TRUNK HULL No. 05-2538

IN	2 FT		3 FT		4 FT		5 FT		6 FT		7 FT		8 FT		9 FT	
	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	3640.80	0	3410.32	0	3157.91	0	2905.50	0	2653.08	0	2400.68	0	2148.12	0	1895.21	0
1/4	3640.80	1/4	3405.06	1/4	3152.65	1/4	2900.24	1/4	2647.83	1/4	2395.43	1/4	2142.85	1/4	1889.95	1/4
1/2	3640.80	1/2	3399.80	1/2	3147.39	1/2	2894.98	1/2	2642.57	1/2	2390.17	1/2	2137.58	1/2	1884.68	1/2
3/4	3637.30	3/4	3394.55	3/4	3142.13	3/4	2889.72	3/4	2637.31	3/4	2384.91	3/4	2132.31	3/4	1879.41	3/4
1	3633.65	1	3389.29	1	3136.87	1	2884.46	1	2632.05	1	2379.65	1	2127.04	1	1874.14	1
1/4	3629.86	1/4	3384.03	1/4	3131.62	1/4	2879.20	1/4	2626.79	1/4	2374.39	1/4	2121.77	1/4	1868.87	1/4
1/2	3625.91	1/2	3378.77	1/2	3126.36	1/2	2873.94	1/2	2621.53	1/2	2369.13	1/2	2116.50	1/2	1863.60	1/2
3/4	3621.83	3/4	3373.51	3/4	3121.10	3/4	2868.69	3/4	2616.27	3/4	2363.88	3/4	2111.24	3/4	1858.33	3/4
2	3617.59	2	3368.25	2	3115.84	2	2863.43	2	2611.02	2	2358.62	2	2105.97	2	1853.06	2
1/4	3613.21	1/4	3362.99	1/4	3110.58	1/4	2858.17	1/4	2605.76	1/4	2353.36	1/4	2100.70	1/4	1847.80	1/4
1/2	3608.69	1/2	3357.74	1/2	3105.32	1/2	2852.91	1/2	2600.50	1/2	2348.10	1/2	2095.43	1/2	1842.53	1/2
3/4	3604.01	3/4	3352.48	3/4	3100.06	3/4	2847.65	3/4	2595.24	3/4	2342.84	3/4	2090.16	3/4	1837.26	3/4
3	3599.19	3	3347.22	3	3094.81	3	2842.39	3	2589.98	3	2337.58	3	2084.89	3	1831.99	3
1/4	3594.23	1/4	3341.96	1/4	3089.55	1/4	2837.13	1/4	2584.72	1/4	2332.33	1/4	2079.62	1/4	1826.72	1/4
1/2	3589.11	1/2	3336.70	1/2	3084.29	1/2	2831.88	1/2	2579.47	1/2	2327.07	1/2	2074.35	1/2	1821.45	1/2
3/4	3583.86	3/4	3331.44	3/4	3079.03	3/4	2826.62	3/4	2574.21	3/4	2321.81	3/4	2069.09	3/4	1816.18	3/4
4	3578.60	4	3326.18	4	3073.77	4	2821.36	4	2568.95	4	2316.55	4	2063.82	4	1810.91	4
1/4	3573.34	1/4	3320.93	1/4	3068.51	1/4	2816.10	1/4	2563.69	1/4	2311.29	1/4	2058.55	1/4	1805.65	1/4
1/2	3568.08	1/2	3315.67	1/2	3063.25	1/2	2810.84	1/2	2558.43	1/2	2306.03	1/2	2053.28	1/2	1800.38	1/2
3/4	3562.82	3/4	3310.41	3/4	3058.00	3/4	2805.58	3/4	2553.17	3/4	2300.78	3/4	2048.01	3/4	1795.11	3/4
5	3557.56	5	3305.15	5	3052.74	5	2800.32	5	2547.92	5	2295.52	5	2042.74	5	1789.84	5
1/4	3552.30	1/4	3299.89	1/4	3047.48	1/4	2795.07	1/4	2542.66	1/4	2290.26	1/4	2037.47	1/4	1784.57	1/4
1/2	3547.05	1/2	3294.63	1/2	3042.22	1/2	2789.81	1/2	2537.40	1/2	2285.00	1/2	2032.20	1/2	1779.30	1/2
3/4	3541.79	3/4	3289.37	3/4	3036.96	3/4	2784.55	3/4	2532.14	3/4	2279.74	3/4	2026.93	3/4	1774.03	3/4
6	3536.53	6	3284.12	6	3031.70	6	2779.29	6	2526.88	6	2274.48	6	2021.67	6	1768.76	6
1/4	3531.27	1/4	3278.86	1/4	3026.44	1/4	2774.03	1/4	2521.62	1/4	2269.23	1/4	2016.40	1/4	1763.49	1/4
1/2	3526.01	1/2	3273.60	1/2	3021.19	1/2	2768.77	1/2	2516.37	1/2	2263.97	1/2	2011.13	1/2	1758.23	1/2
3/4	3520.75	3/4	3268.34	3/4	3015.93	3/4	2763.51	3/4	2511.11	3/4	2258.71	3/4	2005.86	3/4	1752.96	3/4
7	3515.49	7	3263.08	7	3010.67	7	2758.26	7	2505.85	7	2253.45	7	2000.59	7	1747.69	7
1/4	3510.24	1/4	3257.82	1/4	3005.41	1/4	2753.00	1/4	2500.59	1/4	2248.19	1/4	1995.32	1/4	1742.42	1/4
1/2	3504.98	1/2	3252.56	1/2	3000.15	1/2	2747.74	1/2	2495.33	1/2	2242.93	1/2	1990.05	1/2	1737.15	1/2
3/4	3499.72	3/4	3247.31	3/4	2994.89	3/4	2742.48	3/4	2490.07	3/4	2237.68	3/4	1984.78	3/4	1731.88	3/4
8	3494.46	8	3242.05	8	2989.63	8	2737.22	8	2484.82	8	2232.42	8	1979.52	8	1726.61	8
1/4	3489.20	1/4	3236.79	1/4	2984.38	1/4	2731.96	1/4	2479.56	1/4	2227.15	1/4	1974.25	1/4	1721.34	1/4
1/2	3483.94	1/2	3231.53	1/2	2979.12	1/2	2726.70	1/2	2474.30	1/2	2221.88	1/2	1968.98	1/2	1716.08	1/2
3/4	3478.68	3/4	3226.27	3/4	2973.86	3/4	2721.45	3/4	2469.04	3/4	2216.61	3/4	1963.71	3/4	1710.81	3/4
9	3473.43	9	3221.01	9	2968.60	9	2716.19	9	2463.78	9	2211.34	9	1958.44	9	1705.54	9
1/4	3468.17	1/4	3215.75	1/4	2963.34	1/4	2710.93	1/4	2458.53	1/4	2206.07	1/4	1953.17	1/4	1700.27	1/4
1/2	3462.91	1/2	3210.50	1/2	2958.08	1/2	2705.67	1/2	2453.27	1/2	2200.81	1/2	1947.90	1/2	1695.00	1/2
3/4	3457.65	3/4	3205.24	3/4	2952.82	3/4	2700.41	3/4	2448.01	3/4	2195.54	3/4	1942.63	3/4	1689.73	3/4
10	3452.39	10	3199.98	10	2947.57	10	2695.15	10	2442.75	10	2190.27	10	1937.37	10	1684.46	10
1/4	3447.13	1/4	3194.72	1/4	2942.31	1/4	2689.89	1/4	2437.49	1/4	2185.00	1/4	1932.10	1/4	1679.19	1/4
1/2	3441.87	1/2	3189.46	1/2	2937.05	1/2	2684.64	1/2	2432.23	1/2	2179.73	1/2	1926.83	1/2	1673.93	1/2
3/4	3436.62	3/4	3184.20	3/4	2931.79	3/4	2679.38	3/4	2426.98	3/4	2174.46	3/4	1921.56	3/4	1668.66	3/4
11	3431.36	11	3178.94	11	2926.53	11	2674.12	11	2421.72	11	2169.19	11	1916.29	11	1663.39	11
1/4	3426.10	1/4	3173.69	1/4	2921.27	1/4	2668.86	1/4	2416.46	1/4	2163.92	1/4	1911.02	1/4	1658.12	1/4
1/2	3420.84	1/2	3168.43	1/2	2916.01	1/2	2663.60	1/2	2411.20	1/2	2158.65	1/2	1905.75	1/2	1652.85	1/2
3/4	3415.58	3/4	3163.17	3/4	2910.76	3/4	2658.34	3/4	2405.94	3/4	2153.39	3/4	1900.48	3/4	1647.58	3/4

NOTE: GAUGE POINT: TO TOP LIP OF GAUGE HATCH, ON EXPANSION TRUNK
NOTE: GAUGE POINT LOCATED NEAR AFT OF TANK - TRIM CORRECTION REQUIRED
REFERENCE GAUGE HEIGHT PORT 11' 2"
NOTE: FOR ULLAGE'S LESS THAN 2' 00" USE IMAGE TABLE (ULLAGE BY IMAGE)

Calibrated: JF 11-25-2008
Calculation: WHF 12/16/2009
Re-issued: August 6, 2009
SUMP GAUGING

Intertek
Caleb Brett

BARGE GRIFCO 3807

ULLAGE TABLE TANK: 4 Port

CAPACITIES IN U.S. BARRELS FOR MANUAL GAUGING AT 10" GAUGE HATCH LOCATED ON EXPANSION TRUNK HULL No. 05-2538

IN	10 FT		11 FT		12 FT		13 FT		14 FT		15 FT		16 FT		17 FT	
	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	1642.31	0	1389.42	0	1136.53	0	883.68	0	631.58	0	380.38	0	129.14	0	0.37	
1/4	1637.04	1/4	1384.15	1/4	1131.27	1/4	878.43	1/4	626.35	1/4	375.14	1/4	123.90	1/4	0.33	
1/2	1631.77	1/2	1378.88	1/2	1126.00	1/2	873.17	1/2	621.13	1/2	369.91	1/2	118.67	1/2	0.28	
3/4	1626.51	3/4	1373.51	3/4	1120.73	3/4	867.92	3/4	615.91	3/4	364.67	3/4	113.43	3/4	0.23	
1	1621.24	1	1368.34	1	1115.46	1	862.66	1	610.68	1	359.44	1	108.20	1	0.19	
1/4	1615.97	1/4	1363.08	1/4	1110.19	1/4	857.41	1/4	605.45	1/4	354.21	1/4	102.96	1/4	0.14	
1/2	1610.70	1/2	1357.81	1/2	1104.92	1/2	852.15	1/2	600.21	1/2	348.97	1/2	97.73	1/2	0.09	
3/4	1605.43	3/4	1352.54	3/4	1099.65	3/4	846.90	3/4	594.98	3/4	343.74	3/4	92.49	3/4	0.05	
2	1600.16	2	1347.27	2	1094.39	2	841.64	2	589.74	2	338.50	2	87.26	2	0.00	
1/4	1594.89	1/4	1342.00	1/4	1089.12	1/4	836.39	1/4	584.51	1/4	333.27	1/4	82.03	1/4		
1/2	1589.62	1/2	1336.73	1/2	1083.85	1/2	831.13	1/2	579.28	1/2	328.03	1/2	76.79	1/2		
3/4	1584.36	3/4	1331.47	3/4	1078.58	3/4	825.88	3/4	574.04	3/4	322.80	3/4	71.56	3/4		
3	1579.09	3	1326.20	3	1073.31	3	820.62	3	568.81	3	317.57	3	66.32	3		
1/4	1573.82	1/4	1320.93	1/4	1068.04	1/4	815.37	1/4	563.57	1/4	312.33	1/4	61.09	1/4		
1/2	1568.55	1/2	1315.66	1/2	1062.78	1/2	810.11	1/2	558.34	1/2	307.10	1/2	55.85	1/2		
3/4	1563.28	3/4	1310.39	3/4	1057.51	3/4	804.86	3/4	553.11	3/4	301.86	3/4	50.62	3/4		
4	1558.01	4	1305.12	4	1052.24	4	799.60	4	547.87	4	296.63	4	45.39	4		
1/4	1552.74	1/4	1299.86	1/4	1046.97	1/4	794.35	1/4	542.64	1/4	291.39	1/4	40.15	1/4		
1/2	1547.47	1/2	1294.59	1/2	1041.70	1/2	789.09	1/2	537.40	1/2	286.16	1/2	35.25	1/2		
3/4	1542.21	3/4	1289.32	3/4	1036.43	3/4	783.83	3/4	532.17	3/4	280.93	3/4	30.67	3/4		
5	1536.94	5	1284.05	5	1031.16	5	778.58	5	526.93	5	275.69	5	26.42	5		
1/4	1531.67	1/4	1278.78	1/4	1025.90	1/4	773.32	1/4	521.70	1/4	270.46	1/4	22.51	1/4		
1/2	1526.40	1/2	1273.52	1/2	1020.63	1/2	768.07	1/2	516.47	1/2	265.22	1/2	18.92	1/2		
3/4	1521.13	3/4	1268.25	3/4	1015.36	3/4	762.81	3/4	511.23	3/4	259.99	3/4	15.66	3/4		
6	1515.86	6	1262.98	6	1010.09	6	757.56	6	506.00	6	254.76	6	12.73	6		
1/4	1510.59	1/4	1257.71	1/4	1004.82	1/4	752.30	1/4	500.76	1/4	249.52	1/4	10.13	1/4		
1/2	1505.32	1/2	1252.44	1/2	999.55	1/2	747.05	1/2	495.53	1/2	244.29	1/2	7.86	1/2		
3/4	1500.05	3/4	1247.17	3/4	994.28	3/4	741.79	3/4	490.29	3/4	239.05	3/4	5.92	3/4		
7	1494.79	7	1241.90	7	989.02	7	736.54	7	485.06	7	233.82	7	4.31	7		
1/4	1489.52	1/4	1236.64	1/4	983.75	1/4	731.28	1/4	479.83	1/4	228.58	1/4	3.03	1/4		
1/2	1484.25	1/2	1231.37	1/2	978.48	1/2	726.03	1/2	474.59	1/2	223.35	1/2	2.07	1/2		
3/4	1478.98	3/4	1226.10	3/4	973.21	3/4	720.77	3/4	469.36	3/4	218.11	3/4	1.43	3/4		
8	1473.71	8	1220.83	8	967.94	8	715.52	8	464.12	8	212.88	8	1.12	8		
1/4	1468.44	1/4	1215.56	1/4	962.67	1/4	710.26	1/4	458.89	1/4	207.65	1/4	1.07	1/4		
1/2	1463.17	1/2	1210.29	1/2	957.41	1/2	705.01	1/2	453.66	1/2	202.41	1/2	1.03	1/2		
3/4	1457.91	3/4	1205.02	3/4	952.14	3/4	699.75	3/4	448.42	3/4	197.18	3/4	0.98	3/4		
9	1452.64	9	1199.76	9	946.87	9	694.49	9	443.19	9	191.95	9	0.93	9		
1/4	1447.37	1/4	1194.49	1/4	941.60	1/4	689.23	1/4	437.95	1/4	186.71	1/4	0.89	1/4		
1/2	1442.10	1/2	1189.22	1/2	936.33	1/2	683.96	1/2	432.72	1/2	181.48	1/2	0.84	1/2		
3/4	1436.83	3/4	1183.95	3/4	931.06	3/4	678.69	3/4	427.48	3/4	176.24	3/4	0.79	3/4		
10	1431.56	10	1178.68	10	925.79	10	673.42	10	422.25	10	171.01	10	0.75	10		
1/4	1426.30	1/4	1173.41	1/4	920.53	1/4	668.15	1/4	417.02	1/4	165.78	1/4	0.70	1/4		
1/2	1421.03	1/2	1168.15	1/2	915.26	1/2	662.92	1/2	411.78	1/2	160.54	1/2	0.65	1/2		
3/4	1415.76	3/4	1162.88	3/4	909.99	3/4	657.70	3/4	406.55	3/4	155.31	3/4	0.61	3/4		
11	1410.49	11	1157.61	11	904.72	11	652.48	11	401.31	11	150.07	11	0.56	11		
1/4	1405.22	1/4	1152.34	1/4	899.45	1/4	647.25	1/4	396.08	1/4	144.84	1/4	0.51	1/4		
1/2	1399.95	1/2	1147.07	1/2	894.20	1/2	642.03	1/2	390.84	1/2	139.60	1/2	0.47	1/2		
3/4	1394.69	3/4	1141.80	3/4	888.94	3/4	636.80	3/4	385.61	3/4	134.37	3/4	0.42	3/4		

Trim Correction

NOTE: GAUGE POINT: TO TOP OF 10" GAUGE HATCH, ON EXPANSION TRUNK.
NOTE: GAUGE POINT LOCATED NEAR AFT OF TANK - TRIM CORRECTION REQUIRED.
REFERENCE GAUGE HEIGHT PORT 17"
NOTE: FOR ULLAGES LESS THAN 2 00" USE INNAE TABLE (ULLAGE BY INNAE)

Calibrated: JF 11-25-2008
Calculation: WHF 12/16/2009
Issued: August 6, 2009
FOR SUMP GAUGING

ULLAGE TABLE
TANK: 4 Stbd

CAPACITIES IN U.S. BARRELS
FOR MANUAL GAUGING AT 10" GAUGE HATCH LOCATED ON EXPANSION TRUNK
HULL No. 05-2538

IN	2 FT	IN	3 FT	IN	4 FT	IN	5 FT	IN	6 FT	IN	7 FT	IN	8 FT	IN	9 FT
0	3640.80	0	3410.32	0	3157.91	0	2905.50	0	2653.08	0	2400.68	0	2148.12	0	1895.21
1/4	3640.80	1/4	3405.06	1/4	3152.65	1/4	2900.24	1/4	2647.83	1/4	2395.43	1/4	2142.85	1/4	1889.95
1/2	3640.80	1/2	3399.80	1/2	3147.39	1/2	2894.98	1/2	2642.57	1/2	2390.17	1/2	2137.58	1/2	1884.68
3/4	3637.30	3/4	3394.55	3/4	3142.13	3/4	2889.72	3/4	2637.31	3/4	2384.91	3/4	2132.30	3/4	1879.41
1	3633.65	1	3389.29	1	3136.87	1	2884.46	1	2632.05	1	2379.65	1	2127.04	1	1874.14
1/4	3629.86	1/4	3384.03	1/4	3131.62	1/4	2879.20	1/4	2626.79	1/4	2374.39	1/4	2121.77	1/4	1868.87
1/2	3626.91	1/2	3378.77	1/2	3126.36	1/2	2873.94	1/2	2621.53	1/2	2369.13	1/2	2116.50	1/2	1863.60
3/4	3621.83	3/4	3373.51	3/4	3121.10	3/4	2868.69	3/4	2616.27	3/4	2363.88	3/4	2111.24	3/4	1858.33
2	3617.59	2	3368.25	2	3115.84	2	2863.43	2	2611.02	2	2358.62	2	2105.97	2	1853.06
1/4	3613.21	1/4	3362.99	1/4	3110.58	1/4	2858.17	1/4	2605.76	1/4	2353.36	1/4	2100.70	1/4	1847.80
1/2	3608.69	1/2	3357.74	1/2	3105.32	1/2	2852.91	1/2	2600.50	1/2	2348.10	1/2	2095.43	1/2	1842.53
3/4	3604.01	3/4	3352.48	3/4	3100.06	3/4	2847.65	3/4	2595.24	3/4	2342.84	3/4	2090.16	3/4	1837.26
3	3599.19	3	3347.22	3	3094.81	3	2842.39	3	2589.98	3	2337.58	3	2084.89	3	1831.99
1/4	3594.23	1/4	3341.96	1/4	3089.55	1/4	2837.13	1/4	2584.72	1/4	2332.33	1/4	2079.62	1/4	1826.72
1/2	3589.11	1/2	3336.70	1/2	3084.29	1/2	2831.88	1/2	2579.47	1/2	2327.07	1/2	2074.35	1/2	1821.45
3/4	3583.86	3/4	3331.44	3/4	3079.03	3/4	2826.62	3/4	2574.21	3/4	2321.81	3/4	2069.09	3/4	1816.18
4	3578.60	4	3326.18	4	3073.77	4	2821.36	4	2568.95	4	2316.55	4	2063.82	4	1810.91
1/4	3573.34	1/4	3320.93	1/4	3068.51	1/4	2816.10	1/4	2563.69	1/4	2311.29	1/4	2058.55	1/4	1805.65
1/2	3568.08	1/2	3315.67	1/2	3063.25	1/2	2810.84	1/2	2558.43	1/2	2306.03	1/2	2053.28	1/2	1800.38
3/4	3562.82	3/4	3310.41	3/4	3058.00	3/4	2805.58	3/4	2553.17	3/4	2300.78	3/4	2048.01	3/4	1795.11
5	3557.56	5	3305.15	5	3052.74	5	2800.32	5	2547.92	5	2295.52	5	2042.74	5	1789.84
1/4	3552.30	1/4	3299.89	1/4	3047.48	1/4	2795.07	1/4	2542.66	1/4	2290.26	1/4	2037.47	1/4	1784.57
1/2	3547.05	1/2	3294.63	1/2	3042.22	1/2	2789.81	1/2	2537.40	1/2	2285.00	1/2	2032.20	1/2	1779.30
3/4	3541.79	3/4	3289.37	3/4	3036.96	3/4	2784.55	3/4	2532.14	3/4	2279.74	3/4	2026.93	3/4	1774.03
6	3536.53	6	3284.12	6	3031.70	6	2779.29	6	2526.88	6	2274.48	6	2021.67	6	1768.76
1/4	3531.27	1/4	3278.86	1/4	3026.44	1/4	2774.03	1/4	2521.62	1/4	2269.23	1/4	2016.40	1/4	1763.49
1/2	3526.01	1/2	3273.60	1/2	3021.19	1/2	2768.77	1/2	2516.37	1/2	2263.97	1/2	2011.13	1/2	1758.23
3/4	3520.75	3/4	3268.34	3/4	3015.93	3/4	2763.51	3/4	2511.11	3/4	2258.71	3/4	2005.86	3/4	1752.96
7	3515.49	7	3263.08	7	3010.67	7	2758.26	7	2505.85	7	2253.45	7	2000.59	7	1747.69
1/4	3510.24	1/4	3257.82	1/4	3005.41	1/4	2753.00	1/4	2500.59	1/4	2248.19	1/4	1995.32	1/4	1742.42
1/2	3504.98	1/2	3252.56	1/2	3000.15	1/2	2747.74	1/2	2495.33	1/2	2242.93	1/2	1990.05	1/2	1737.15
3/4	3499.72	3/4	3247.31	3/4	2994.89	3/4	2742.48	3/4	2490.07	3/4	2237.68	3/4	1984.78	3/4	1731.88
8	3494.46	8	3242.05	8	2989.63	8	2737.22	8	2484.82	8	2232.42	8	1979.52	8	1726.61
1/4	3489.20	1/4	3236.79	1/4	2984.38	1/4	2731.96	1/4	2479.56	1/4	2227.15	1/4	1974.25	1/4	1721.34
1/2	3483.94	1/2	3231.53	1/2	2979.12	1/2	2726.70	1/2	2474.30	1/2	2221.88	1/2	1968.98	1/2	1716.08
3/4	3478.68	3/4	3226.27	3/4	2973.86	3/4	2721.45	3/4	2469.04	3/4	2216.61	3/4	1963.71	3/4	1710.81
9	3473.43	9	3221.01	9	2968.60	9	2716.19	9	2463.78	9	2211.34	9	1958.44	9	1705.54
1/4	3468.17	1/4	3215.75	1/4	2963.34	1/4	2710.93	1/4	2458.53	1/4	2206.07	1/4	1953.17	1/4	1700.27
1/2	3462.91	1/2	3210.50	1/2	2958.08	1/2	2705.67	1/2	2453.27	1/2	2200.81	1/2	1947.90	1/2	1695.00
3/4	3457.65	3/4	3205.24	3/4	2952.82	3/4	2700.41	3/4	2448.01	3/4	2195.54	3/4	1942.63	3/4	1689.73
10	3452.39	10	3199.98	10	2947.57	10	2695.15	10	2442.75	10	2190.27	10	1937.37	10	1684.46
1/4	3447.13	1/4	3194.72	1/4	2942.31	1/4	2689.89	1/4	2437.49	1/4	2185.00	1/4	1932.10	1/4	1679.19
1/2	3441.87	1/2	3189.46	1/2	2937.05	1/2	2684.64	1/2	2432.23	1/2	2179.73	1/2	1926.83	1/2	1673.93
3/4	3436.62	3/4	3184.20	3/4	2931.79	3/4	2679.38	3/4	2426.98	3/4	2174.46	3/4	1921.56	3/4	1668.66
11	3431.36	11	3178.94	11	2926.53	11	2674.12	11	2421.72	11	2169.19	11	1916.29	11	1663.39
1/4	3426.10	1/4	3173.69	1/4	2921.27	1/4	2668.86	1/4	2416.46	1/4	2163.92	1/4	1911.02	1/4	1658.12
1/2	3420.84	1/2	3168.43	1/2	2916.01	1/2	2663.60	1/2	2411.20	1/2	2158.65	1/2	1905.75	1/2	1652.85
3/4	3415.58	3/4	3163.17	3/4	2910.76	3/4	2658.34	3/4	2405.94	3/4	2153.39	3/4	1900.48	3/4	1647.58

NOTE: GAUGE POINT: TO TOP OF 10" GAUGE HATCH, ON EXPANSION TRUNK
NOTE: GAUGE POINT LOCATED NEAR AFT OF TANK - TANK CORRECTION REQUIRED.
REFERENCE GAUGE HEIGHT STABOARD: 17' 2"

NOTE: FOR ULLAGES LESS THAN 2' 00" USE INNAUGE TABLE (ULLAGE BY INNAUGE)
Calculated: JF 11-25-2008
Calculation: WHF 12/16/2008
Re-issued: August 6, 2009
SUMP GAUGING

Intertek
Caleb Brett

BARGE GRIFCO 3807

ULLAGE TABLE
TANK: 4 Stbd

CAPACITIES IN U.S. BARRELS

FOR MANUAL GAUGING AT 10" GAUGE HATCH LOCATED ON EXPANSION TRUNK

HULL No. 06-2638

IN	10 FT		11 FT		12 FT		13 FT		14 FT		15 FT		16 FT		17 FT	
	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	1642.31	0	1389.42	0	1136.53	0	883.68	0	631.58	0	380.38	0	129.14	0	0.37	
1/4	1637.04	1/4	1384.15	1/4	1131.27	1/4	878.43	1/4	626.35	1/4	375.14	1/4	123.90	1/4	0.33	
1/2	1631.77	1/2	1378.88	1/2	1126.00	1/2	873.17	1/2	621.13	1/2	369.91	1/2	118.67	1/2	0.28	
3/4	1626.51	3/4	1373.61	3/4	1120.73	3/4	867.92	3/4	615.91	3/4	364.67	3/4	113.43	3/4	0.23	
1	1621.24	1	1368.34	1	1115.46	1	862.66	1	610.68	1	359.44	1	108.20	1	0.19	
1/4	1615.97	1/4	1363.08	1/4	1110.19	1/4	857.41	1/4	605.45	1/4	354.21	1/4	102.96	1/4	0.14	
1/2	1610.70	1/2	1357.81	1/2	1104.92	1/2	852.15	1/2	600.21	1/2	348.97	1/2	97.73	1/2	0.09	
3/4	1605.43	3/4	1352.54	3/4	1099.65	3/4	846.90	3/4	594.98	3/4	343.74	3/4	92.49	3/4	0.05	
2	1600.16	2	1347.27	2	1094.39	2	841.64	2	589.74	2	338.50	2	87.26	2	0.00	
1/4	1594.89	1/4	1342.00	1/4	1089.12	1/4	836.39	1/4	584.51	1/4	333.27	1/4	82.03	1/4		
1/2	1589.62	1/2	1336.73	1/2	1083.85	1/2	831.13	1/2	579.28	1/2	328.03	1/2	76.79	1/2		
3/4	1584.36	3/4	1331.47	3/4	1078.58	3/4	825.98	3/4	574.04	3/4	322.80	3/4	71.56	3/4		
3	1579.09	3	1326.20	3	1073.31	3	820.62	3	568.81	3	317.57	3	66.32	3		
1/4	1573.82	1/4	1320.93	1/4	1068.04	1/4	815.37	1/4	563.57	1/4	312.33	1/4	61.09	1/4		
1/2	1568.55	1/2	1315.66	1/2	1062.78	1/2	810.11	1/2	558.34	1/2	307.10	1/2	55.85	1/2		
3/4	1563.28	3/4	1310.39	3/4	1057.51	3/4	804.86	3/4	553.11	3/4	301.86	3/4	50.62	3/4		
4	1558.01	4	1305.12	4	1052.24	4	799.60	4	547.87	4	296.63	4	45.39	4		
1/4	1552.74	1/4	1299.86	1/4	1046.97	1/4	794.35	1/4	542.64	1/4	291.39	1/4	40.15	1/4		
1/2	1547.47	1/2	1294.59	1/2	1041.70	1/2	789.09	1/2	537.40	1/2	286.16	1/2	35.25	1/2		
3/4	1542.21	3/4	1289.32	3/4	1036.43	3/4	783.83	3/4	532.17	3/4	280.93	3/4	30.67	3/4		
5	1536.94	5	1284.05	5	1031.16	5	778.58	5	526.93	5	275.69	5	26.42	5		
1/4	1531.67	1/4	1278.78	1/4	1025.90	1/4	773.32	1/4	521.70	1/4	270.46	1/4	22.51	1/4		
1/2	1526.40	1/2	1273.52	1/2	1020.63	1/2	768.07	1/2	516.47	1/2	265.22	1/2	18.92	1/2		
3/4	1521.13	3/4	1268.25	3/4	1015.36	3/4	762.81	3/4	511.23	3/4	259.99	3/4	15.66	3/4		
6	1515.86	6	1262.98	6	1010.09	6	757.56	6	506.00	6	254.76	6	12.73	6		
1/4	1510.59	1/4	1257.71	1/4	1004.82	1/4	752.30	1/4	500.76	1/4	249.52	1/4	10.13	1/4		
1/2	1505.32	1/2	1252.44	1/2	999.55	1/2	747.05	1/2	495.53	1/2	244.29	1/2	7.86	1/2		
3/4	1500.05	3/4	1247.17	3/4	994.28	3/4	741.79	3/4	490.29	3/4	239.05	3/4	5.92	3/4		
7	1494.79	7	1241.90	7	989.02	7	736.54	7	485.06	7	233.82	7	4.31	7		
1/4	1489.52	1/4	1236.64	1/4	983.75	1/4	731.28	1/4	479.83	1/4	228.58	1/4	3.03	1/4		
1/2	1484.25	1/2	1231.37	1/2	978.48	1/2	726.03	1/2	474.59	1/2	223.35	1/2	2.07	1/2		
3/4	1478.98	3/4	1226.10	3/4	973.21	3/4	720.77	3/4	469.36	3/4	218.11	3/4	1.43	3/4		
8	1473.71	8	1220.83	8	967.94	8	715.52	8	464.12	8	212.88	8	1.12	8		
1/4	1468.44	1/4	1215.56	1/4	962.67	1/4	710.26	1/4	458.89	1/4	207.65	1/4	1.07	1/4		
1/2	1463.17	1/2	1210.29	1/2	957.41	1/2	705.01	1/2	453.66	1/2	202.41	1/2	1.03	1/2		
3/4	1457.91	3/4	1205.02	3/4	952.14	3/4	699.75	3/4	448.42	3/4	197.18	3/4	0.98	3/4		
9	1452.64	9	1199.76	9	946.87	9	694.49	9	443.19	9	191.95	9	0.93	9		
1/4	1447.37	1/4	1194.49	1/4	941.60	1/4	689.23	1/4	437.95	1/4	186.71	1/4	0.89	1/4		
1/2	1442.10	1/2	1189.22	1/2	936.33	1/2	683.96	1/2	432.72	1/2	181.48	1/2	0.84	1/2		
3/4	1436.83	3/4	1183.95	3/4	931.06	3/4	678.69	3/4	427.48	3/4	176.24	3/4	0.79	3/4		
10	1431.56	10	1178.68	10	925.79	10	673.42	10	422.25	10	171.01	10	0.75	10		
1/4	1426.30	1/4	1173.41	1/4	920.53	1/4	668.15	1/4	417.02	1/4	165.78	1/4	0.70	1/4		
1/2	1421.03	1/2	1168.15	1/2	915.26	1/2	662.92	1/2	411.78	1/2	160.54	1/2	0.65	1/2		
3/4	1415.76	3/4	1162.88	3/4	909.99	3/4	657.70	3/4	406.55	3/4	155.31	3/4	0.61	3/4		
11	1410.49	11	1157.61	11	904.72	11	652.48	11	401.31	11	150.07	11	0.56	11		
1/4	1405.22	1/4	1152.34	1/4	899.45	1/4	647.25	1/4	396.08	1/4	144.84	1/4	0.51	1/4		
1/2	1399.95	1/2	1147.07	1/2	894.20	1/2	642.03	1/2	390.84	1/2	139.60	1/2	0.47	1/2		
3/4	1394.69	3/4	1141.80	3/4	888.94	3/4	636.80	3/4	385.61	3/4	134.37	3/4	0.42	3/4		

Trim Correction

NOTE: GAUGE POINT: TO TOP OF 10" GAUGE HATCH ON EXPANSION TRUNK
NOTE: GAUGE POINT LOCATED NEAR AFT OF TANK - TRIM CORRECTION REQUIRED.
REFERENCE GAUGE HEIGHT STARBOARD: 17' 2"
NOTE: FOR ULLAGES LESS THAN 2' 0" USE INNADE TABLE (ULLAGE BY INNADE)



Calibrated: JF 11-25-2008
Calculation: WHF 12/16/2008
Issued: August 6, 2008
FOR SUMP GAUGING

Intertek
Caleb Brett

ULLAGE TABLE
TANK: 5 Port

CAPACITIES IN U.S. BARRELS

FOR MANUAL GAUGING AT 10" GAUGE HATCH LOCATED ON EXPANSION TRUNK

HULL No. 05-2538

IN	2 FT		3 FT		4 FT		5 FT		6 FT		7 FT		8 FT		9 FT	
	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	3539.63	0	3493.12	0	3442.17	0	3391.22	0	3340.27	0	3289.32	0	3238.37	0	3187.42	0
1/4	3539.63	1/4	3492.06	1/4	3441.11	1/4	3390.16	1/4	3339.21	1/4	3288.26	1/4	3237.31	1/4	3186.36	1/4
1/2	3539.63	1/2	3491.00	1/2	3440.05	1/2	3389.10	1/2	3338.15	1/2	3287.20	1/2	3236.25	1/2	3185.30	1/2
3/4	3539.92	3/4	3489.94	3/4	3438.99	3/4	3388.03	3/4	3337.08	3/4	3286.13	3/4	3235.18	3/4	3184.25	3/4
1	3538.19	1	3488.88	1	3437.92	1	3386.97	1	3336.02	1	3285.07	1	3234.12	1	3183.19	1
1/4	3537.43	1/4	3487.81	1/4	3436.86	1/4	3385.91	1/4	3334.96	1/4	3284.01	1/4	3233.06	1/4	3182.14	1/4
1/2	3536.63	1/2	3486.75	1/2	3435.80	1/2	3384.85	1/2	3333.91	1/2	3282.96	1/2	3232.01	1/2	3181.09	1/2
3/4	3535.81	3/4	3485.69	3/4	3434.74	3/4	3383.79	3/4	3332.86	3/4	3281.91	3/4	3230.96	3/4	3180.04	3/4
2	3534.96	2	3484.63	2	3433.68	2	3382.73	2	3331.81	2	3280.86	2	3229.91	2	3179.04	2
1/4	3534.07	1/4	3483.57	1/4	3432.62	1/4	3381.66	1/4	3330.76	1/4	3279.81	1/4	3228.86	1/4	3178.09	1/4
1/2	3533.16	1/2	3482.51	1/2	3431.56	1/2	3380.60	1/2	3329.71	1/2	3278.76	1/2	3227.81	1/2	3177.04	1/2
3/4	3532.22	3/4	3481.45	3/4	3430.49	3/4	3379.54	3/4	3328.66	3/4	3277.71	3/4	3226.76	3/4	3176.09	3/4
3	3531.25	3	3480.38	3	3429.43	3	3378.48	3	3327.61	3	3276.66	3	3225.71	3	3175.04	3
1/4	3530.24	1/4	3479.32	1/4	3428.37	1/4	3377.42	1/4	3326.56	1/4	3275.61	1/4	3224.66	1/4	3174.09	1/4
1/2	3529.21	1/2	3478.26	1/2	3427.31	1/2	3376.36	1/2	3325.51	1/2	3274.56	1/2	3223.61	1/2	3173.04	1/2
3/4	3528.15	3/4	3477.20	3/4	3426.25	3/4	3375.30	3/4	3324.46	3/4	3273.51	3/4	3222.56	3/4	3172.09	3/4
4	3527.09	4	3476.14	4	3425.19	4	3374.23	4	3323.41	4	3272.46	4	3221.51	4	3171.04	4
1/4	3526.03	1/4	3475.08	1/4	3424.12	1/4	3373.17	1/4	3322.36	1/4	3271.41	1/4	3220.46	1/4	3170.09	1/4
1/2	3525.97	1/2	3474.02	1/2	3423.06	1/2	3372.11	1/2	3321.31	1/2	3270.36	1/2	3219.41	1/2	3169.04	1/2
3/4	3523.91	3/4	3472.95	3/4	3422.00	3/4	3371.05	3/4	3320.26	3/4	3269.31	3/4	3218.36	3/4	3168.09	3/4
5	3522.84	5	3471.89	5	3420.94	5	3370.00	5	3319.21	5	3268.26	5	3217.31	5	3167.04	5
1/4	3521.78	1/4	3470.83	1/4	3419.88	1/4	3368.93	1/4	3318.16	1/4	3267.21	1/4	3216.26	1/4	3166.09	1/4
1/2	3520.72	1/2	3469.77	1/2	3418.82	1/2	3367.87	1/2	3317.11	1/2	3266.16	1/2	3215.21	1/2	3165.04	1/2
3/4	3519.66	3/4	3468.71	3/4	3417.76	3/4	3366.81	3/4	3316.06	3/4	3265.11	3/4	3214.16	3/4	3164.09	3/4
6	3518.60	6	3467.65	6	3416.70	6	3365.75	6	3315.01	6	3264.06	6	3213.11	6	3163.04	6
1/4	3517.54	1/4	3466.58	1/4	3415.63	1/4	3364.69	1/4	3313.96	1/4	3263.01	1/4	3212.06	1/4	3162.09	1/4
1/2	3516.48	1/2	3465.52	1/2	3414.57	1/2	3363.63	1/2	3312.91	1/2	3261.96	1/2	3211.01	1/2	3161.04	1/2
3/4	3515.41	3/4	3464.46	3/4	3413.51	3/4	3362.57	3/4	3311.86	3/4	3260.91	3/4	3210.06	3/4	3160.09	3/4
7	3514.35	7	3463.40	7	3412.45	7	3361.51	7	3310.81	7	3259.86	7	3209.01	7	3159.04	7
1/4	3513.29	1/4	3462.34	1/4	3411.39	1/4	3360.45	1/4	3309.76	1/4	3257.96	1/4	3208.06	1/4	3158.09	1/4
1/2	3512.23	1/2	3461.28	1/2	3410.33	1/2	3359.39	1/2	3308.71	1/2	3257.01	1/2	3207.01	1/2	3157.04	1/2
3/4	3511.17	3/4	3460.22	3/4	3409.27	3/4	3358.33	3/4	3307.66	3/4	3256.06	3/4	3206.06	3/4	3156.09	3/4
8	3510.11	8	3459.15	8	3408.20	8	3357.27	8	3306.61	8	3255.01	8	3205.01	8	3155.04	8
1/4	3509.04	1/4	3458.09	1/4	3407.14	1/4	3356.21	1/4	3305.56	1/4	3254.06	1/4	3204.06	1/4	3154.09	1/4
1/2	3507.98	1/2	3457.03	1/2	3406.08	1/2	3355.15	1/2	3304.51	1/2	3253.01	1/2	3203.01	1/2	3153.04	1/2
3/4	3506.92	3/4	3455.97	3/4	3405.02	3/4	3354.09	3/4	3303.46	3/4	3252.06	3/4	3202.06	3/4	3152.09	3/4
9	3505.86	9	3454.91	9	3403.96	9	3353.03	9	3302.41	9	3251.01	9	3201.01	9	3151.04	9
1/4	3504.80	1/4	3453.85	1/4	3402.89	1/4	3352.07	1/4	3301.36	1/4	3250.06	1/4	3200.06	1/4	3150.09	1/4
1/2	3503.74	1/2	3452.79	1/2	3401.83	1/2	3351.01	1/2	3300.31	1/2	3249.01	1/2	3199.01	1/2	3149.04	1/2
3/4	3502.68	3/4	3451.72	3/4	3400.77	3/4	3350.05	3/4	3299.26	3/4	3248.06	3/4	3198.06	3/4	3148.09	3/4
10	3501.61	10	3450.66	10	3399.71	10	3349.00	10	3298.21	10	3247.01	10	3197.01	10	3147.04	10
1/4	3500.55	1/4	3449.60	1/4	3398.65	1/4	3348.04	1/4	3297.16	1/4	3246.06	1/4	3196.06	1/4	3146.09	1/4
1/2	3499.49	1/2	3448.54	1/2	3397.59	1/2	3347.08	1/2	3296.11	1/2	3245.01	1/2	3195.01	1/2	3145.04	1/2
3/4	3498.43	3/4	3447.48	3/4	3396.53	3/4	3346.12	3/4	3295.06	3/4	3244.06	3/4	3194.06	3/4	3144.09	3/4
11	3497.37	11	3446.42	11	3395.46	11	3345.16	11	3294.01	11	3243.01	11	3193.01	11	3143.04	11
1/4	3496.31	1/4	3445.35	1/4	3394.40	1/4	3344.20	1/4	3293.06	1/4	3242.06	1/4	3192.06	1/4	3142.09	1/4
1/2	3495.25	1/2	3444.29	1/2	3393.34	1/2	3343.24	1/2	3292.01	1/2	3241.06	1/2	3191.06	1/2	3141.04	1/2
3/4	3494.18	3/4	3443.23	3/4	3392.28	3/4	3342.28	3/4	3291.06	3/4	3240.06	3/4	3190.06	3/4	3140.09	3/4

NOTE: GAUGE POINT: TO TOP LIP OF 10" GAUGE HATCH, ON EXPANSION TRUNK
NOTE: GAUGE POINT LOCATED FORWARD END OF TANK. APPLY TRIM CORRECTION WHEN NOT ON EVEN KEEL.
REFERENCE GAUGE HEIGHT PORT 7"
NOTE: FOR ULLAGES LESS THAN 2' DO USE INNAUGE TABLE COLLAGE BY INNAUGE

Calculated: JF 11-25-2008
Calculation: WHF 12/16/2009
Revised: August 6, 2009
SUMP GAUGING

Intertek
Caleb Brett

BARGE GRIFCO 3807

ULLAGE TABLE

TANK: 5 Port

CAPACITIES IN U.S. BARRELS

FOR MANUAL GAUGING AT 10" GAUGE HATCH LOCATED ON EXPANSION TRUNK

HULL No. 05-2538

IN	10 FT	IN	11 FT	IN	12 FT	IN	13 FT	IN	14 FT	IN	15 FT	IN	16 FT	IN	17 FT
0	1979.72	0	1878.00	0	1370.29	0	1085.81	0	761.68	0	458.65	0	155.59	0	0.37
1/4	1973.37	1/4	1668.66	1/4	1363.94	1/4	1059.28	1/4	755.38	1/4	452.34	1/4	149.27	1/4	0.33
1/2	1967.02	1/2	1662.30	1/2	1357.59	1/2	1052.94	1/2	749.07	1/2	446.03	1/2	142.96	1/2	0.28
3/4	1960.67	3/4	1655.95	3/4	1351.24	3/4	1046.61	3/4	742.77	3/4	439.71	3/4	136.65	3/4	0.23
1	1954.33	1	1649.61	1	1344.90	1	1040.27	1	736.47	1	433.40	1	130.33	1	0.19
1/4	1947.98	1/4	1643.26	1/4	1338.55	1/4	1033.94	1/4	730.15	1/4	427.09	1/4	124.02	1/4	0.14
1/2	1941.63	1/2	1636.91	1/2	1332.20	1/2	1027.60	1/2	723.84	1/2	420.77	1/2	117.70	1/2	0.09
3/4	1935.28	3/4	1630.56	3/4	1325.85	3/4	1021.27	3/4	717.52	3/4	414.46	3/4	111.39	3/4	0.05
2	1928.93	2	1624.21	2	1319.50	2	1014.93	2	711.21	2	408.14	2	105.08	2	0.00
1/4	1922.58	1/4	1617.87	1/4	1313.16	1/4	1008.60	1/4	704.90	1/4	401.83	1/4	98.76	1/4	
1/2	1916.23	1/2	1611.52	1/2	1306.81	1/2	1002.26	1/2	698.58	1/2	395.52	1/2	92.45	1/2	
3/4	1909.89	3/4	1605.17	3/4	1300.46	3/4	995.93	3/4	692.27	3/4	389.20	3/4	86.13	3/4	
3	1903.54	3	1598.82	3	1294.11	3	989.59	3	685.96	3	382.89	3	79.82	3	
1/4	1897.19	1/4	1592.47	1/4	1287.76	1/4	983.26	1/4	679.64	1/4	376.57	1/4	73.51	1/4	
1/2	1890.84	1/2	1586.13	1/2	1281.41	1/2	976.92	1/2	673.33	1/2	370.26	1/2	67.19	1/2	
3/4	1884.49	3/4	1579.78	3/4	1275.07	3/4	970.59	3/4	667.01	3/4	363.95	3/4	60.88	3/4	
4	1878.14	4	1573.43	4	1268.72	4	964.26	4	660.70	4	357.63	4	54.56	4	
1/4	1871.79	1/4	1567.08	1/4	1262.37	1/4	957.92	1/4	654.39	1/4	351.32	1/4	48.25	1/4	
1/2	1865.45	1/2	1560.73	1/2	1256.02	1/2	951.59	1/2	648.07	1/2	345.00	1/2	42.33	1/2	
3/4	1859.10	3/4	1554.39	3/4	1249.67	3/4	945.25	3/4	641.76	3/4	338.69	3/4	36.81	3/4	
5	1852.75	5	1548.04	5	1243.33	5	938.92	5	635.44	5	332.38	5	31.69	5	
1/4	1846.40	1/4	1541.69	1/4	1236.98	1/4	932.58	1/4	629.13	1/4	326.06	1/4	26.96	1/4	
1/2	1840.05	1/2	1535.34	1/2	1230.63	1/2	926.25	1/2	622.82	1/2	319.75	1/2	22.63	1/2	
3/4	1833.70	3/4	1528.99	3/4	1224.28	3/4	919.91	3/4	616.50	3/4	313.44	3/4	18.70	3/4	
6	1827.36	6	1522.65	6	1217.93	6	913.58	6	610.19	6	307.12	6	15.16	6	
1/4	1821.01	1/4	1516.30	1/4	1211.58	1/4	907.24	1/4	603.87	1/4	300.81	1/4	12.02	1/4	
1/2	1814.66	1/2	1509.95	1/2	1205.24	1/2	900.91	1/2	597.56	1/2	294.49	1/2	9.28	1/2	
3/4	1808.31	3/4	1503.60	3/4	1198.89	3/4	894.57	3/4	591.25	3/4	288.18	3/4	6.93	3/4	
7	1801.96	7	1497.25	7	1192.54	7	888.24	7	584.93	7	281.86	7	4.98	7	
1/4	1795.61	1/4	1490.91	1/4	1186.19	1/4	881.90	1/4	578.62	1/4	275.55	1/4	3.43	1/4	
1/2	1789.26	1/2	1484.56	1/2	1179.84	1/2	875.57	1/2	572.31	1/2	269.24	1/2	2.27	1/2	
3/4	1782.92	3/4	1478.21	3/4	1173.50	3/4	869.23	3/4	565.99	3/4	262.92	3/4	1.50	3/4	
8	1776.57	8	1471.86	8	1167.15	8	862.90	8	559.68	8	256.61	8	1.12	8	
1/4	1770.22	1/4	1465.51	1/4	1160.80	1/4	856.56	1/4	553.36	1/4	250.29	1/4	1.07	1/4	
1/2	1763.87	1/2	1459.16	1/2	1154.45	1/2	850.23	1/2	547.05	1/2	243.98	1/2	1.03	1/2	
3/4	1757.52	3/4	1452.82	3/4	1148.10	3/4	843.89	3/4	540.74	3/4	237.67	3/4	0.98	3/4	
9	1751.17	9	1446.47	9	1141.75	9	837.56	9	534.42	9	231.35	9	0.93	9	
1/4	1744.83	1/4	1440.12	1/4	1135.41	1/4	831.21	1/4	528.11	1/4	225.04	1/4	0.89	1/4	
1/2	1738.48	1/2	1433.77	1/2	1129.06	1/2	824.86	1/2	521.79	1/2	218.73	1/2	0.84	1/2	
3/4	1732.13	3/4	1427.42	3/4	1122.71	3/4	818.51	3/4	515.48	3/4	212.41	3/4	0.79	3/4	
10	1725.78	10	1421.08	10	1116.36	10	812.16	10	509.17	10	206.10	10	0.75	10	
1/4	1719.43	1/4	1414.73	1/4	1110.01	1/4	805.81	1/4	502.85	1/4	199.79	1/4	0.70	1/4	
1/2	1713.09	1/2	1408.38	1/2	1103.67	1/2	799.51	1/2	496.54	1/2	193.47	1/2	0.65	1/2	
3/4	1706.74	3/4	1402.03	3/4	1097.32	3/4	793.20	3/4	490.22	3/4	187.16	3/4	0.61	3/4	
11	1700.39	11	1395.68	11	1090.97	11	786.90	11	483.91	11	180.84	11	0.56	11	
1/4	1694.04	1/4	1389.33	1/4	1084.62	1/4	780.59	1/4	477.60	1/4	174.53	1/4	0.51	1/4	
1/2	1687.69	1/2	1382.99	1/2	1078.28	1/2	774.29	1/2	471.28	1/2	168.22	1/2	0.47	1/2	
3/4	1681.35	3/4	1376.64	3/4	1071.95	3/4	767.99	3/4	464.97	3/4	161.90	3/4	0.42	3/4	

Trim Correction

+12" 1 3/8

+9" 1

+6" 3/4

+3" 3/8

EVEN 0

-3" -3/8

-6" -3/4

-9" -1

-12" -1 3/8

-15" -1 3/4

-18" -2 1/8

-21" -2 1/2

-24" -2 3/4

-27" -3 1/8

-30" -3 1/2

-33" -3 3/4

-36" -4 1/4

-39" -4 1/2

-42" -4 3/4

-45" -5 1/4

-48" -5 1/2

-51" -5 3/4

-54" -6 1/4

-57" -6 1/2

-60" -6 3/4

-63" -7 1/8

-66" -7 3/4

-69" -8 1/8

-72" -8 3/8

-75" -8 3/4

-78" -9 1/8

-81" -9 1/2

NOTE: GAUGE POINT TO TOP OF GAUGE HATCH, ON EXPANSION TRUNK.
NOTE: GAUGE POINT LOCATED FORWARD END OF TANK. APPLY TRIM CORRECTION WHEN NOT ON EVEN KEEL.
REFERENCE GAUGE HEIGHT PORT: 17.2"
NOTE: FOR ULLAGES LESS THAN 2.00' USE INNAUGE TABLE (ULLAGE BY INNAUGE)

Calibrated: JF 11-25-2008
Calculation: WHF 12/16/2008
Issued: August 6, 2009
FOR SUMP GAUGING

Intertek
Caleb Brett

ULLAGE TABLE
TANK: 5 Stbd

CAPACITIES IN U.S. BARRELS

FOR MANUAL GAUGING AT 10" GAUGE HATCH LOCATED ON EXPANSION TRUNK

HULL No. 05-2538

IN	2 FT	IN	3 FT	IN	4 FT	IN	5 FT	IN	6 FT	IN	7 FT	IN	8 FT	IN	9 FT
0	3539.63	0	3493.12	0	3442.17	0	3391.22	0	3342.19	0	3291.22	0	3242.19	0	3191.22
1/4	3539.63	1/4	3492.06	1/4	3441.11	1/4	3390.16	1/4	3341.11	1/4	3290.16	1/4	3241.11	1/4	3191.11
1/2	3539.63	1/2	3491.00	1/2	3440.05	1/2	3389.10	1/2	3338.05	1/2	3287.00	1/2	3236.05	1/2	3185.00
3/4	3538.92	3/4	3489.94	3/4	3438.89	3/4	3387.84	3/4	3336.79	3/4	3285.74	3/4	3234.69	3/4	3183.64
1	3538.19	1	3488.88	1	3437.82	1	3386.77	1	3335.72	1	3284.67	1	3233.62	1	3182.57
1/4	3537.43	1/4	3487.81	1/4	3436.76	1/4	3385.71	1/4	3334.66	1/4	3283.61	1/4	3232.56	1/4	3181.51
1/2	3536.63	1/2	3486.75	1/2	3435.70	1/2	3384.65	1/2	3333.60	1/2	3282.55	1/2	3231.50	1/2	3180.46
3/4	3535.81	3/4	3485.69	3/4	3434.64	3/4	3383.59	3/4	3332.54	3/4	3281.49	3/4	3230.44	3/4	3179.40
2	3534.96	2	3484.63	2	3433.58	2	3382.53	2	3331.48	2	3280.43	2	3229.38	2	3178.35
1/4	3534.07	1/4	3483.57	1/4	3432.52	1/4	3381.47	1/4	3330.42	1/4	3279.37	1/4	3228.32	1/4	3177.30
1/2	3533.16	1/2	3482.51	1/2	3431.46	1/2	3380.41	1/2	3329.36	1/2	3278.31	1/2	3227.26	1/2	3176.25
3/4	3532.22	3/4	3481.45	3/4	3430.40	3/4	3379.35	3/4	3328.30	3/4	3277.25	3/4	3226.21	3/4	3175.20
3	3531.25	3	3480.38	3	3429.34	3	3378.29	3	3327.24	3	3276.19	3	3225.16	3	3174.15
1/4	3530.24	1/4	3479.32	1/4	3428.28	1/4	3377.23	1/4	3326.18	1/4	3275.13	1/4	3224.10	1/4	3173.10
1/2	3529.21	1/2	3478.26	1/2	3427.22	1/2	3376.17	1/2	3325.12	1/2	3274.07	1/2	3223.05	1/2	3172.05
3/4	3528.15	3/4	3477.20	3/4	3426.16	3/4	3375.11	3/4	3324.06	3/4	3273.01	3/4	3222.00	3/4	3171.00
4	3527.09	4	3476.14	4	3425.10	4	3374.05	4	3323.00	4	3271.95	4	3220.94	4	3170.00
1/4	3526.03	1/4	3475.08	1/4	3424.04	1/4	3372.99	1/4	3321.94	1/4	3270.89	1/4	3219.89	1/4	3169.00
1/2	3524.97	1/2	3474.02	1/2	3422.98	1/2	3371.93	1/2	3320.88	1/2	3269.83	1/2	3218.83	1/2	3168.00
3/4	3523.91	3/4	3472.95	3/4	3421.92	3/4	3370.87	3/4	3319.82	3/4	3268.77	3/4	3217.77	3/4	3167.00
5	3522.84	5	3471.89	5	3420.86	5	3369.81	5	3318.76	5	3267.71	5	3216.71	5	3166.00
1/4	3521.78	1/4	3470.83	1/4	3419.80	1/4	3368.75	1/4	3317.70	1/4	3266.65	1/4	3215.65	1/4	3165.00
1/2	3520.72	1/2	3469.77	1/2	3418.74	1/2	3367.69	1/2	3316.64	1/2	3265.59	1/2	3214.59	1/2	3164.00
3/4	3519.66	3/4	3468.71	3/4	3417.68	3/4	3366.63	3/4	3315.58	3/4	3264.53	3/4	3213.53	3/4	3163.00
6	3518.60	6	3467.65	6	3416.62	6	3365.57	6	3314.52	6	3263.47	6	3212.47	6	3162.00
1/4	3517.54	1/4	3466.58	1/4	3415.56	1/4	3364.51	1/4	3313.46	1/4	3262.41	1/4	3211.41	1/4	3161.00
1/2	3516.48	1/2	3465.52	1/2	3414.50	1/2	3363.45	1/2	3312.40	1/2	3261.35	1/2	3210.35	1/2	3160.00
3/4	3515.41	3/4	3464.46	3/4	3413.44	3/4	3362.39	3/4	3311.34	3/4	3260.29	3/4	3209.29	3/4	3159.00
7	3514.35	7	3463.40	7	3412.38	7	3361.33	7	3310.28	7	3259.23	7	3208.23	7	3158.00
1/4	3513.29	1/4	3462.34	1/4	3411.32	1/4	3360.27	1/4	3309.22	1/4	3258.17	1/4	3207.17	1/4	3157.00
1/2	3512.23	1/2	3461.28	1/2	3410.26	1/2	3359.21	1/2	3308.16	1/2	3257.11	1/2	3206.11	1/2	3156.00
3/4	3511.17	3/4	3460.22	3/4	3409.20	3/4	3358.15	3/4	3307.10	3/4	3256.05	3/4	3205.05	3/4	3155.00
8	3510.11	8	3459.15	8	3408.14	8	3357.09	8	3306.04	8	3255.00	8	3204.00	8	3154.00
1/4	3509.04	1/4	3458.09	1/4	3407.08	1/4	3356.03	1/4	3305.03	1/4	3254.00	1/4	3203.00	1/4	3153.00
1/2	3507.98	1/2	3457.03	1/2	3406.02	1/2	3355.02	1/2	3304.02	1/2	3253.00	1/2	3202.00	1/2	3152.00
3/4	3506.92	3/4	3455.97	3/4	3405.02	3/4	3354.01	3/4	3303.01	3/4	3252.00	3/4	3201.00	3/4	3151.00
9	3505.86	9	3454.91	9	3403.96	9	3353.00	9	3302.00	9	3251.00	9	3200.00	9	3150.00
1/4	3504.80	1/4	3453.85	1/4	3402.89	1/4	3352.00	1/4	3301.00	1/4	3250.00	1/4	3199.00	1/4	3149.00
1/2	3503.74	1/2	3452.79	1/2	3401.83	1/2	3351.00	1/2	3300.00	1/2	3249.00	1/2	3198.00	1/2	3148.00
3/4	3502.68	3/4	3451.72	3/4	3400.77	3/4	3350.00	3/4	3299.00	3/4	3248.00	3/4	3197.00	3/4	3147.00
10	3501.61	10	3450.66	10	3399.71	10	3349.00	10	3298.00	10	3247.00	10	3196.00	10	3146.00
1/4	3500.55	1/4	3449.60	1/4	3398.65	1/4	3348.00	1/4	3297.00	1/4	3246.00	1/4	3195.00	1/4	3145.00
1/2	3499.49	1/2	3448.54	1/2	3397.59	1/2	3347.00	1/2	3296.00	1/2	3245.00	1/2	3194.00	1/2	3144.00
3/4	3498.43	3/4	3447.48	3/4	3396.53	3/4	3346.00	3/4	3295.00	3/4	3244.00	3/4	3193.00	3/4	3143.00
11	3497.37	11	3446.42	11	3395.46	11	3345.00	11	3294.00	11	3243.00	11	3192.00	11	3142.00
1/4	3496.31	1/4	3445.35	1/4	3394.40	1/4	3344.00	1/4	3293.00	1/4	3242.00	1/4	3191.00	1/4	3141.00
1/2	3495.25	1/2	3444.29	1/2	3393.34	1/2	3343.00	1/2	3292.00	1/2	3241.00	1/2	3190.00	1/2	3140.00
3/4	3494.18	3/4	3443.23	3/4	3392.28	3/4	3342.00	3/4	3291.00	3/4	3240.00	3/4	3189.00	3/4	3139.00

NOTE: GAUGE POINT: TO TOP UP OR TO GAUGE HATCH, ON EXPANSION TRUNK.

NOTE: GAUGE POINT LOCATED FORWARD END OF TANK--APPLY TRIM CORRECTION WHEN NOT ON EVEN KEEL.

REFERENCE GAUGE HEIGHT: STABBOARD: 17.2'

NOTE: FOR ULLAGES LESS THAN 2.00' USE ULLAGE TABLE (ULLAGE BY INNGAGE)

Calculated: JF 11-25-2008
 Calculation: WHF 12/16/2009
 Re-issued: August 6, 2009
 SWMP GAUGING

Intertek
Caleb Brett

BARGE GRIFCO 3807

ULLAGE TABLE TANK: 5 Stbd

CAPACITIES IN U.S. BARRELS

FOR MANUAL GAUGING AT 1ST GAUGE HATCH LOCATED ON EXPANSION TRUNK

HULL No. 05-2538

IN	10 FT		11 FT		12 FT		13 FT		14 FT		15 FT		16 FT		17 FT	
	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	1979.72	0	1676.00	0	1376.29	0	1065.61	0	761.68	0	458.85	0	155.59	0	0.37	
1/4	1973.37	1/4	1668.65	1/4	1363.94	1/4	1059.28	1/4	755.38	1/4	452.34	1/4	149.27	1/4	0.33	
1/2	1967.02	1/2	1662.30	1/2	1357.59	1/2	1052.94	1/2	749.07	1/2	446.03	1/2	142.96	1/2	0.28	
3/4	1960.67	3/4	1655.95	3/4	1351.24	3/4	1046.61	3/4	742.77	3/4	439.71	3/4	136.65	3/4	0.23	
1	1954.33	1	1649.61	1	1344.90	1	1040.27	1	736.47	1	433.40	1	130.33	1	0.19	
1/4	1947.98	1/4	1643.26	1/4	1338.55	1/4	1033.94	1/4	730.15	1/4	427.09	1/4	124.02	1/4	0.14	
1/2	1941.63	1/2	1636.91	1/2	1332.20	1/2	1027.60	1/2	723.84	1/2	420.77	1/2	117.70	1/2	0.09	
3/4	1935.28	3/4	1630.56	3/4	1325.85	3/4	1021.27	3/4	717.52	3/4	414.46	3/4	111.39	3/4	0.05	
2	1928.93	2	1624.21	2	1319.50	2	1014.93	2	711.21	2	408.14	2	105.08	2	0.00	
1/4	1922.58	1/4	1617.87	1/4	1313.16	1/4	1008.60	1/4	704.90	1/4	401.83	1/4	98.76	1/4		
1/2	1916.23	1/2	1611.52	1/2	1306.81	1/2	1002.26	1/2	698.58	1/2	395.52	1/2	92.45	1/2		
3/4	1909.89	3/4	1605.17	3/4	1300.46	3/4	995.93	3/4	692.27	3/4	389.20	3/4	86.13	3/4		
3	1903.54	3	1598.82	3	1294.11	3	989.59	3	685.96	3	382.89	3	79.82	3		
1/4	1897.19	1/4	1592.47	1/4	1287.76	1/4	983.26	1/4	679.64	1/4	376.57	1/4	73.51	1/4		
1/2	1890.84	1/2	1586.13	1/2	1281.41	1/2	976.92	1/2	673.33	1/2	370.26	1/2	67.19	1/2		
3/4	1884.49	3/4	1579.78	3/4	1275.07	3/4	970.59	3/4	667.01	3/4	363.95	3/4	60.88	3/4		
4	1878.14	4	1573.43	4	1268.72	4	964.26	4	660.70	4	357.63	4	54.56	4		
1/4	1871.79	1/4	1567.08	1/4	1262.37	1/4	957.92	1/4	654.39	1/4	351.32	1/4	48.25	1/4		
1/2	1865.45	1/2	1560.73	1/2	1256.02	1/2	951.59	1/2	648.07	1/2	345.00	1/2	42.33	1/2		
3/4	1859.10	3/4	1554.39	3/4	1249.67	3/4	945.25	3/4	641.76	3/4	338.69	3/4	36.81	3/4		
5	1852.75	5	1548.04	5	1243.33	5	938.92	5	635.44	5	332.38	5	31.69	5		
1/4	1846.40	1/4	1541.69	1/4	1236.98	1/4	932.58	1/4	629.13	1/4	326.06	1/4	26.96	1/4		
1/2	1840.05	1/2	1535.34	1/2	1230.63	1/2	926.25	1/2	622.82	1/2	319.75	1/2	22.63	1/2		
3/4	1833.70	3/4	1528.99	3/4	1224.28	3/4	919.91	3/4	616.50	3/4	313.44	3/4	18.70	3/4		
6	1827.36	6	1522.65	6	1217.93	6	913.58	6	610.19	6	307.12	6	15.16	6		
1/4	1821.01	1/4	1516.30	1/4	1211.58	1/4	907.24	1/4	603.87	1/4	300.81	1/4	12.02	1/4		
1/2	1814.66	1/2	1509.95	1/2	1205.24	1/2	900.91	1/2	597.56	1/2	294.49	1/2	9.28	1/2		
3/4	1808.31	3/4	1503.60	3/4	1198.89	3/4	894.57	3/4	591.25	3/4	288.18	3/4	6.93	3/4		
7	1801.96	7	1497.25	7	1192.54	7	888.24	7	584.93	7	281.86	7	4.98	7		
1/4	1795.61	1/4	1490.91	1/4	1186.19	1/4	881.90	1/4	578.62	1/4	275.55	1/4	3.43	1/4		
1/2	1789.26	1/2	1484.56	1/2	1179.84	1/2	875.57	1/2	572.31	1/2	269.24	1/2	2.27	1/2		
3/4	1782.92	3/4	1478.21	3/4	1173.50	3/4	869.23	3/4	565.99	3/4	262.92	3/4	1.50	3/4		
8	1776.57	8	1471.86	8	1167.15	8	862.90	8	559.68	8	256.61	8	1.12	8		
1/4	1770.22	1/4	1465.51	1/4	1160.80	1/4	856.56	1/4	553.36	1/4	250.29	1/4	1.07	1/4		
1/2	1763.87	1/2	1459.16	1/2	1154.45	1/2	850.23	1/2	547.05	1/2	243.98	1/2	1.03	1/2		
3/4	1757.52	3/4	1452.82	3/4	1148.10	3/4	843.89	3/4	540.74	3/4	237.67	3/4	0.98	3/4		
9	1751.17	9	1446.47	9	1141.75	9	837.56	9	534.42	9	231.35	9	0.93	9		
1/4	1744.83	1/4	1440.12	1/4	1135.41	1/4	831.21	1/4	528.11	1/4	225.04	1/4	0.89	1/4		
1/2	1738.48	1/2	1433.77	1/2	1129.06	1/2	824.86	1/2	521.79	1/2	218.73	1/2	0.84	1/2		
3/4	1732.13	3/4	1427.42	3/4	1122.71	3/4	818.51	3/4	515.48	3/4	212.41	3/4	0.79	3/4		
10	1725.78	10	1421.08	10	1116.36	10	812.16	10	509.17	10	206.10	10	0.75	10		
1/4	1719.43	1/4	1414.73	1/4	1110.01	1/4	805.81	1/4	502.85	1/4	199.79	1/4	0.70	1/4		
1/2	1713.09	1/2	1408.38	1/2	1103.67	1/2	799.51	1/2	496.54	1/2	193.47	1/2	0.65	1/2		
3/4	1706.74	3/4	1402.03	3/4	1097.32	3/4	793.20	3/4	490.22	3/4	187.16	3/4	0.61	3/4		
11	1700.39	11	1395.68	11	1090.97	11	786.90	11	483.91	11	180.84	11	0.56	11		
1/4	1694.04	1/4	1389.33	1/4	1084.62	1/4	780.59	1/4	477.60	1/4	174.53	1/4	0.51	1/4		
1/2	1687.69	1/2	1382.99	1/2	1078.28	1/2	774.29	1/2	471.28	1/2	168.22	1/2	0.47	1/2		
3/4	1681.35	3/4	1376.64	3/4	1071.95	3/4	767.99	3/4	464.97	3/4	161.90	3/4	0.42	3/4		

Trim Correction	IN	IN
+12"	1 3/8	
+9"	1	
+6"	3/4	
+3"	3/8	
EVEN	0	
-3"	-3/8	
-6"	-3/4	
-9"	-1	
-12"	-1 3/8	
-15"	-1 3/4	
-18"	-2 1/8	
-21"	-2 1/2	
-24"	-3 1/8	
-27"	-3 1/2	
-30"	-4 1/8	
-33"	-4 1/2	
-36"	-5 1/8	
-39"	-5 1/2	
-42"	-6 1/8	
-45"	-6 1/2	
-48"	-7 1/8	
-51"	-7 1/2	
-54"	-8 1/8	
-57"	-8 1/2	
-60"	-9 1/8	
-63"	-9 1/2	
-66"	-10 1/8	
-69"	-10 1/2	

NOTE: GAUGE POINT: TO TOP LIP OF 1ST GAUGE HATCH ON EXPANSION TRUNK
 NOTE: GAUGE POINT LOCATED FORWARD END OF TANK - APPLY TRIM CORRECTION WHEN NOT ON EVEN KEEL.
 REFERENCE GAUGE HEIGHT: STABBOARD 17 2"
 NOTE FOR ULLAGES LESS THAN 2' 0" USE IMAGINE TABLE (ULLAGE BY IMAGINE)

Calibrated: JF 11-25-2008
 Calculation: WHF 12/16/2009
 Issued: August 6, 2008
 FOR SUMP GAUGING