



BARGE "GRIFCO 3011" GRIFCO TRANSPORTATION COMPANY

TANK NO.
1 PORT

OUTAGE TABLE

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL NO. 4604

#	1 FT.	#	2 FT.	#	3 FT.	#	4 FT.	#	5 FT.	#	6 FT.	#	7 FT.	#	8 FT.	#	9 FT.	#	10 FT.	#	11 FT.	#	12 FT.	#	13 FT.	#	14 FT.	#	15 FT.	#	16 FT.
0	0	4,891.82	0	4,568.61	0	4,223.60	0	3,841.12	0	3,494.30	0	3,127.44	0	2,760.68	0	2,393.71	0	2,026.85	0	1,659.98	0	1,293.12	0	926.25	0	559.60	0	217.14	0	0	0.16
1/4	1/4	4,886.35	1/4	4,561.61	1/4	4,216.21	1/4	3,853.48	1/4	3,486.66	1/4	3,119.80	1/4	2,752.93	1/4	2,386.07	1/4	2,019.20	1/4	1,652.34	1/4	1,285.48	1/4	918.61	1/4	552.02	1/4	210.28	1/4	0	0.14
1/2	1/2	4,881.08	1/2	4,554.61	1/2	4,208.81	1/2	3,845.85	1/2	3,479.02	1/2	3,112.15	1/2	2,745.29	1/2	2,378.42	1/2	2,011.56	1/2	1,644.70	1/2	1,277.83	1/2	910.97	1/2	544.45	1/2	203.42	1/2	0	0.13
3/4	3/4	4,875.80	3/4	4,547.61	3/4	4,201.42	3/4	3,838.21	3/4	3,471.37	3/4	3,104.51	3/4	2,737.65	3/4	2,370.78	3/4	2,003.92	3/4	1,637.05	3/4	1,270.19	3/4	903.33	3/4	536.88	3/4	186.56	3/4	0	0.12
1	1	4,869.00	1	4,540.61	1	4,194.03	1	3,830.57	1	3,463.73	1	3,096.87	1	2,730.00	1	2,363.14	1	1,996.27	1	1,629.41	1	1,262.55	1	895.68	1	529.30	1	189.70	1	0	0.11
1 1/4	1 1/4	4,862.20	1 1/4	4,533.61	1 1/4	4,186.64	1 1/4	3,822.94	1 1/4	3,456.09	1 1/4	3,089.22	1 1/4	2,722.36	1 1/4	2,355.50	1 1/4	1,988.63	1 1/4	1,621.77	1 1/4	1,254.90	1 1/4	888.04	1 1/4	521.73	1 1/4	182.84	1 1/4	0	0.10
1 1/2	1 1/2	4,855.40	1 1/2	4,526.61	1 1/2	4,179.25	1 1/2	3,815.30	1 1/2	3,448.45	1 1/2	3,081.58	1 1/2	2,714.72	1 1/2	2,347.85	1 1/2	1,980.99	1 1/2	1,614.12	1 1/2	1,247.26	1 1/2	880.40	1 1/2	514.31	1 1/2	176.16	1 1/2	0	0.08
1 3/4	1 3/4	4,848.59	1 3/4	4,519.61	1 3/4	4,171.85	1 3/4	3,807.67	1 3/4	3,440.80	1 3/4	3,073.94	1 3/4	2,707.07	1 3/4	2,340.21	1 3/4	1,973.35	1 3/4	1,606.48	1 3/4	1,239.62	1 3/4	872.75	1 3/4	506.89	1 3/4	169.49	1 3/4	0	0.07
2	2	4,841.89	2	4,512.52	2	4,164.36	2	3,800.02	2	3,433.16	2	3,066.30	2	2,699.43	2	2,332.57	2	1,965.70	2	1,598.84	2	1,231.97	2	865.11	2	499.47	2	162.81	2	0	0.06
2 1/4	2 1/4	4,835.18	2 1/4	4,505.42	2 1/4	4,156.87	2 1/4	3,792.38	2 1/4	3,425.52	2 1/4	3,058.65	2 1/4	2,691.79	2 1/4	2,324.92	2 1/4	1,958.06	2 1/4	1,591.20	2 1/4	1,224.33	2 1/4	857.47	2 1/4	492.06	2 1/4	156.14	2 1/4	0	0.05
2 1/2	2 1/2	4,828.47	2 1/2	4,498.32	2 1/2	4,149.38	2 1/2	3,784.74	2 1/2	3,417.87	2 1/2	3,051.01	2 1/2	2,684.15	2 1/2	2,317.28	2 1/2	1,950.42	2 1/2	1,583.55	2 1/2	1,216.69	2 1/2	849.82	2 1/2	484.63	2 1/2	149.47	2 1/2	0	0.04
2 3/4	2 3/4	4,821.77	2 3/4	4,491.22	2 3/4	4,141.89	2 3/4	3,777.09	2 3/4	3,410.23	2 3/4	3,043.37	2 3/4	2,676.50	2 3/4	2,309.64	2 3/4	1,942.77	2 3/4	1,575.91	2 3/4	1,209.05	2 3/4	842.18	2 3/4	477.21	2 3/4	142.79	2 3/4	0	0.02
3	3	4,815.06	3	4,484.12	3	4,134.40	3	3,769.45	3	3,402.59	3	3,035.72	3	2,668.86	3	2,301.99	3	1,935.13	3	1,568.27	3	1,201.40	3	834.54	3	466.79	3	136.12	3	0	0.01
3 1/4	3 1/4	4,808.35	3 1/4	4,477.03	3 1/4	4,126.91	3 1/4	3,761.81	3 1/4	3,394.94	3 1/4	3,028.08	3 1/4	2,661.22	3 1/4	2,294.35	3 1/4	1,927.49	3 1/4	1,560.62	3 1/4	1,193.76	3 1/4	828.90	3 1/4	462.38	3 1/4	125.44	3 1/4	0	0.00
3 1/2	3 1/2	4,801.65	3 1/2	4,469.93	3 1/2	4,119.42	3 1/2	3,754.17	3 1/2	3,387.30	3 1/2	3,020.44	3 1/2	2,653.57	3 1/2	2,286.71	3 1/2	1,919.84	3 1/2	1,552.98	3 1/2	1,186.12	3 1/2	819.25	3 1/2	454.66	3 1/2	122.77	3 1/2	0	0.00
3 3/4	3 3/4	4,794.94	3 3/4	4,462.83	3 3/4	4,111.93	3 3/4	3,746.52	3 3/4	3,379.65	3 3/4	3,012.79	3 3/4	2,645.93	3 3/4	2,279.07	3 3/4	1,912.20	3 3/4	1,545.34	3 3/4	1,178.47	3 3/4	811.61	3 3/4	447.54	3 3/4	116.10	3 3/4	0	0.00
4	4	4,788.23	4	4,455.73	4	4,104.44	4	3,738.88	4	3,372.02	4	3,005.16	4	2,638.29	4	2,271.42	4	1,904.56	4	1,537.69	4	1,170.83	4	803.97	4	440.12	4	109.42	4	0	0.00
4 1/4	4 1/4	4,781.52	4 1/4	4,448.63	4 1/4	4,096.95	4 1/4	3,731.24	4 1/4	3,364.37	4 1/4	2,997.51	4 1/4	2,630.64	4 1/4	2,263.78	4 1/4	1,896.92	4 1/4	1,530.05	4 1/4	1,163.19	4 1/4	796.32	4 1/4	432.70	4 1/4	102.75	4 1/4	0	0.00
4 1/2	4 1/2	4,774.82	4 1/2	4,441.54	4 1/2	4,089.46	4 1/2	3,723.58	4 1/2	3,356.73	4 1/2	2,989.87	4 1/2	2,623.00	4 1/2	2,256.14	4 1/2	1,889.27	4 1/2	1,522.41	4 1/2	1,155.54	4 1/2	788.68	4 1/2	425.78	4 1/2	96.58	4 1/2	0	0.00
4 3/4	4 3/4	4,768.11	4 3/4	4,434.44	4 3/4	4,081.97	4 3/4	3,715.95	4 3/4	3,349.09	4 3/4	2,982.22	4 3/4	2,615.36	4 3/4	2,248.49	4 3/4	1,881.63	4 3/4	1,514.77	4 3/4	1,147.90	4 3/4	781.04	4 3/4	418.87	4 3/4	90.41	4 3/4	0	0.00
5	5	4,761.31	5	4,427.24	5	4,074.39	5	3,708.31	5	3,341.44	5	2,974.58	5	2,607.72	5	2,240.85	5	1,873.99	5	1,507.12	5	1,140.26	5	773.39	5	411.95	5	84.24	5	0	0.00
5 1/4	5 1/4	4,754.50	5 1/4	4,420.05	5 1/4	4,066.80	5 1/4	3,700.66	5 1/4	3,333.80	5 1/4	2,966.94	5 1/4	2,600.07	5 1/4	2,233.21	5 1/4	1,866.34	5 1/4	1,499.48	5 1/4	1,132.62	5 1/4	765.75	5 1/4	405.04	5 1/4	78.07	5 1/4	0	0.00
5 1/2	5 1/2	4,747.70	5 1/2	4,412.85	5 1/2	4,059.21	5 1/2	3,693.02	5 1/2	3,326.16	5 1/2	2,959.29	5 1/2	2,592.43	5 1/2	2,225.56	5 1/2	1,858.70	5 1/2	1,491.84	5 1/2	1,124.97	5 1/2	758.11	5 1/2	398.12	5 1/2	71.90	5 1/2	0	0.00
5 3/4	5 3/4	4,740.89	5 3/4	4,405.69	5 3/4	4,051.63	5 3/4	3,686.38	5 3/4	3,318.51	5 3/4	2,951.65	5 3/4	2,584.79	5 3/4	2,217.92	5 3/4	1,851.06	5 3/4	1,484.19	5 3/4	1,117.33	5 3/4	750.47	5 3/4	391.20	5 3/4	65.73	5 3/4	0	0.00
6	6	4,734.09	6	4,398.46	6	4,044.04	6	3,677.74	6	3,310.87	6	2,944.01	6	2,577.14	6	2,210.28	6	1,843.41	6	1,476.55	6	1,109.69	6	742.02	6	384.29	6	59.56	6	0	0.00
6 1/4	6 1/4	4,727.28	6 1/4	4,391.26	6 1/4	4,036.45	6 1/4	3,670.09	6 1/4	3,303.23	6 1/4	2,936.35	6 1/4	2,569.49	6 1/4	2,202.64	6 1/4	1,836.77	6 1/4	1,470.91	6 1/4	1,105.04	6 1/4	735.18	6 1/4	377.37	6 1/4	53.39	6 1/4	0	0.00
6 1/2	6 1/2	4,720.48	6 1/2	4,384.07	6 1/2	4,028.87	6 1/2	3,662.45	6 1/2	3,295.59	6 1/2	2,928.72	6 1/2	2,561.86	6 1/2	2,194.99	6 1/2	1,828.13	6 1/2	1,461.26	6 1/2	1,094.40	6 1/2	727.54	6 1/2	370.46	6 1/2	47.95	6 1/2	0	0.00
6 3/4	6 3/4	4,713.67	6 3/4	4,376.87	6 3/4	4,021.26	6 3/4	3,654.81	6 3/4	3,287.94	6 3/4	2,921.08	6 3/4	2,554.21	6 3/4	2,187.35	6 3/4	1,820.49	6 3/4	1,453.62	6 3/4	1,088.76	6 3/4	718.89	6 3/4	363.54	6 3/4	42.52	6 3/4	0	0.00
7	7	4,706.37	7	4,369.67	7	4,013.69	7	3,647.16	7	3,280.30	7	2,913.44	7	2,546.57	7	2,179.71	7	1,812.84	7	1,445.98	7	1,079.11	7	712.25	7	356.62	7	37.09	7	0	0.00
7 1/4	7 1/4	4,700.06	7 1/4	4,362.48	7 1/4	4,006.10	7 1/4	3,639.52	7 1/4	3,272.66	7 1/4	2,905.79	7 1/4	2,538.93	7 1/4	2,172.06	7 1/4	1,805.20	7 1/4	1,438.34	7 1/4	1,071.47	7 1/4	704.61	7 1/4	349.71	7 1/4	31.66	7 1/4	0	0.00
7 1/2	7 1/2	4,693.25	7 1/2	4,355.28	7 1/2	3,998.52	7 1/2	3,631.88	7 1/2	3,265.01	7 1/2	2,898.15	7 1/2	2,531.29	7 1/2	2,164.42	7 1/2	1,797.56	7 1/2	1,430.69	7 1/2	1,063.83	7 1/2	696.96	7 1/2	342.66	7 1/2	27.56	7 1/2	0	0.00
7 3/4	7 3/4	4,686.45	7 3/4	4,348.09	7 3/4	3,990.93	7 3/4	3,624.23	7 3/4	3,257.37	7 3/4	2,890.51	7 3/4	2,523.64	7 3/4	2,156.78	7 3/4														



BARGE "GRIFCO 3011" GRIFCO TRANSPORTATION COMPANY

TANK NO.

2 PORT OR STAR

OUTAGE TABLE

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL NO. 4604

#	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.														
0	0	4,944.15	0	4,621.28	0	4,276.38	0	3,913.80	0	3,546.84	0	3,179.88	0	2,812.92	0	2,445.96	0	2,079.00	0	1,712.04	0	1,345.08	0	978.12	0	611.16	0	248.34	0	0.16
1/4	1/4	4,938.86	1/4	4,614.28	1/4	4,268.99	1/4	3,906.16	1/4	3,539.20	1/4	3,172.24	1/4	2,805.28	1/4	2,438.32	1/4	2,071.36	1/4	1,704.40	1/4	1,337.44	1/4	970.48	1/4	603.52	1/4	240.70	1/4	0.14
1/2	1/2	4,933.60	1/2	4,607.28	1/2	4,261.60	1/2	3,898.51	1/2	3,531.55	1/2	3,164.59	1/2	2,797.63	1/2	2,430.67	1/2	2,063.71	1/2	1,696.75	1/2	1,329.79	1/2	962.83	1/2	595.87	1/2	233.07	1/2	0.13
3/4	3/4	4,928.33	3/4	4,600.29	3/4	4,254.21	3/4	3,890.87	3/4	3,523.91	3/4	3,156.95	3/4	2,793.99	3/4	2,423.03	3/4	2,056.07	3/4	1,689.11	3/4	1,322.15	3/4	955.19	3/4	588.23	3/4	225.43	3/4	0.12
1	1	4,921.53	1	4,593.29	1	4,246.82	1	3,883.22	1	3,516.26	1	3,149.30	1	2,782.34	1	2,415.38	1	2,048.42	1	1,681.46	1	1,314.50	1	947.54	1	580.58	1	217.80	1	0.11
1/4	1/4	4,914.73	1/4	4,586.29	1/4	4,239.43	1/4	3,875.56	1/4	3,508.62	1/4	3,141.66	1/4	2,774.70	1/4	2,407.74	1/4	2,040.78	1/4	1,673.82	1/4	1,306.86	1/4	939.90	1/4	572.94	1/4	210.16	1/4	0.10
1/2	1/2	4,907.93	1/2	4,579.29	1/2	4,232.04	1/2	3,867.93	1/2	3,500.97	1/2	3,134.01	1/2	2,767.05	1/2	2,400.09	1/2	2,033.13	1/2	1,666.17	1/2	1,299.21	1/2	932.25	1/2	566.29	1/2	202.53	1/2	0.08
3/4	3/4	4,901.13	3/4	4,572.29	3/4	4,224.65	3/4	3,860.29	3/4	3,493.33	3/4	3,126.37	3/4	2,759.41	3/4	2,392.45	3/4	2,025.49	3/4	1,658.53	3/4	1,291.57	3/4	924.61	3/4	557.65	3/4	194.89	3/4	0.07
2	2	4,894.43	2	4,565.20	2	4,217.17	2	3,852.64	2	3,485.68	2	3,118.72	2	2,751.76	2	2,384.80	2	2,017.84	2	1,650.88	2	1,283.92	2	916.96	2	550.00	2	187.26	2	0.06
1/4	1/4	4,887.72	1/4	4,558.10	1/4	4,209.68	1/4	3,845.00	1/4	3,478.04	1/4	3,111.08	1/4	2,744.12	1/4	2,377.16	1/4	2,010.20	1/4	1,643.24	1/4	1,276.28	1/4	909.32	1/4	542.36	1/4	179.62	1/4	0.05
1/2	1/2	4,881.02	1/2	4,551.01	1/2	4,202.19	1/2	3,837.35	1/2	3,470.39	1/2	3,103.43	1/2	2,736.47	1/2	2,369.51	1/2	2,002.55	1/2	1,635.59	1/2	1,268.63	1/2	901.67	1/2	534.71	1/2	171.39	1/2	0.04
3/4	3/4	4,874.31	3/4	4,543.91	3/4	4,194.70	3/4	3,829.71	3/4	3,462.75	3/4	3,095.79	3/4	2,728.83	3/4	2,361.87	3/4	1,994.91	3/4	1,627.95	3/4	1,260.99	3/4	894.03	3/4	527.07	3/4	164.35	3/4	0.02
3	3	4,867.51	3	4,536.82	3	4,187.21	3	3,822.06	3	3,455.10	3	3,088.14	3	2,721.18	3	2,354.22	3	1,987.26	3	1,620.30	3	1,253.34	3	886.38	3	519.42	3	156.72	3	0.01
1/4	1/4	4,860.91	1/4	4,529.72	1/4	4,179.73	1/4	3,814.42	1/4	3,447.46	1/4	3,080.50	1/4	2,713.54	1/4	2,346.58	1/4	1,979.62	1/4	1,612.66	1/4	1,245.70	1/4	878.74	1/4	511.78	1/4	149.08	1/4	0.00
1/2	1/2	4,854.26	1/2	4,522.63	1/2	4,172.24	1/2	3,806.77	1/2	3,439.81	1/2	3,072.85	1/2	2,705.89	1/2	2,338.93	1/2	1,971.97	1/2	1,605.01	1/2	1,238.05	1/2	871.09	1/2	504.13	1/2	141.45	1/2	
3/4	3/4	4,847.50	3/4	4,515.53	3/4	4,164.75	3/4	3,799.13	3/4	3,432.17	3/4	3,065.21	3/4	2,698.25	3/4	2,331.29	3/4	1,964.33	3/4	1,597.37	3/4	1,230.41	3/4	863.45	3/4	496.49	3/4	133.81	3/4	
4	4	4,840.79	4	4,508.44	4	4,157.26	4	3,791.48	4	3,424.52	4	3,057.56	4	2,690.60	4	2,323.64	4	1,956.68	4	1,589.72	4	1,222.76	4	855.80	4	488.54	4	126.18	4	
1/4	1/4	4,834.09	1/4	4,501.34	1/4	4,149.77	1/4	3,783.84	1/4	3,416.88	1/4	3,049.92	1/4	2,682.96	1/4	2,316.00	1/4	1,949.04	1/4	1,582.08	1/4	1,215.12	1/4	848.16	1/4	481.20	1/4	118.54	1/4	
1/2	1/2	4,827.39	1/2	4,494.25	1/2	4,142.29	1/2	3,776.19	1/2	3,408.23	1/2	3,042.27	1/2	2,675.31	1/2	2,308.35	1/2	1,941.39	1/2	1,574.43	1/2	1,207.47	1/2	840.51	1/2	473.88	1/2	111.23	1/2	
3/4	3/4	4,820.68	3/4	4,487.15	3/4	4,134.80	3/4	3,768.55	3/4	3,401.59	3/4	3,034.63	3/4	2,667.67	3/4	2,300.71	3/4	1,933.75	3/4	1,566.79	3/4	1,198.63	3/4	832.87	3/4	466.56	3/4	103.81	3/4	
5	5	4,813.88	5	4,479.96	5	4,127.21	5	3,760.90	5	3,393.94	5	3,026.98	5	2,660.02	5	2,293.06	5	1,926.10	5	1,559.14	5	1,192.18	5	825.22	5	459.25	5	96.60	5	
1/4	1/4	4,807.08	1/4	4,472.77	1/4	4,119.63	1/4	3,753.26	1/4	3,386.30	1/4	3,019.34	1/4	2,652.38	1/4	2,285.42	1/4	1,918.46	1/4	1,551.50	1/4	1,184.54	1/4	817.58	1/4	451.93	1/4	89.28	1/4	
1/2	1/2	4,800.28	1/2	4,465.57	1/2	4,112.04	1/2	3,745.61	1/2	3,378.65	1/2	3,011.69	1/2	2,644.73	1/2	2,277.77	1/2	1,910.81	1/2	1,543.85	1/2	1,176.89	1/2	809.93	1/2	444.62	1/2	81.96	1/2	
3/4	3/4	4,793.48	3/4	4,458.38	3/4	4,104.45	3/4	3,737.97	3/4	3,371.01	3/4	3,004.05	3/4	2,637.09	3/4	2,270.13	3/4	1,903.17	3/4	1,536.21	3/4	1,169.25	3/4	802.29	3/4	437.30	3/4	74.65	3/4	
6	6	4,786.58	6	4,451.18	6	4,095.87	6	3,730.32	6	3,363.36	6	2,996.40	6	2,629.44	6	2,262.48	6	1,895.52	6	1,528.56	6	1,161.60	6	794.64	6	429.98	6	67.33	6	
1/4	1/4	4,779.88	1/4	4,443.99	1/4	4,088.28	1/4	3,722.68	1/4	3,355.72	1/4	2,988.76	1/4	2,621.80	1/4	2,254.84	1/4	1,887.88	1/4	1,520.92	1/4	1,153.96	1/4	787.00	1/4	422.67	1/4	60.02	1/4	
1/2	1/2	4,773.08	1/2	4,436.80	1/2	4,081.70	1/2	3,715.03	1/2	3,348.07	1/2	2,981.11	1/2	2,614.15	1/2	2,247.19	1/2	1,880.23	1/2	1,513.27	1/2	1,146.31	1/2	779.35	1/2	415.35	1/2	53.66	1/2	
3/4	3/4	4,766.27	3/4	4,429.60	3/4	4,074.11	3/4	3,707.38	3/4	3,340.43	3/4	2,973.47	3/4	2,606.51	3/4	2,239.55	3/4	1,872.59	3/4	1,505.63	3/4	1,138.67	3/4	771.71	3/4	408.04	3/4	47.29	3/4	
7	7	4,759.47	7	4,422.41	7	4,066.62	7	3,699.74	7	3,332.78	7	2,965.82	7	2,598.86	7	2,231.90	7	1,864.94	7	1,497.98	7	1,131.02	7	764.06	7	400.72	7	40.93	7	
1/4	1/4	4,752.67	1/4	4,415.21	1/4	4,058.94	1/4	3,692.10	1/4	3,325.14	1/4	2,958.18	1/4	2,591.22	1/4	2,224.26	1/4	1,857.30	1/4	1,490.34	1/4	1,123.38	1/4	756.42	1/4	393.40	1/4	34.57	1/4	
1/2	1/2	4,745.87	1/2	4,408.02	1/2	4,051.35	1/2	3,684.45	1/2	3,317.49	1/2	2,950.53	1/2	2,583.57	1/2	2,216.61	1/2	1,849.65	1/2	1,482.69	1/2	1,115.73	1/2	748.77	1/2	385.77	1/2	29.80	1/2	
3/4	3/4	4,739.07	3/4	4,400.83	3/4	4,043.77	3/4	3,676.81	3/4	3,309.85	3/4	2,942.89	3/4	2,575.93	3/4	2,208.97	3/4	1,842.01	3/4	1,475.05	3/4	1,108.09	3/4	741.13	3/4	378.13	3/4	26.03	3/4	
8	8	4,732.17	8	4,393.54	8	4,036.12	8	3,669.16	8	3,302.20	8	2,935.24	8	2,568.28	8	2,201.32	8	1,834.36	8	1,467.40	8	1,100.44	8	733.48	8	370.50	8	20.26	8	
1/4	1/4	4,725.27	1/4	4,386.24	1/4	4,028.48	1/4	3,661.52	1/4	3,294.56	1/4	2,927.60	1/4	2,560.64	1/4	2,193.68	1/4	1,826.72	1/4	1,459.76	1/4	1,092.80	1/4	725.84	1/4	362.88	1/4	15.49	1/4	
1/2	1/2	4,718.37	1/2	4,378.95	1/2	4,020.83	1/2	3,653.87	1/2	3,286.91	1/2	2,919.95	1/2	2,552.99	1/2	2,186.03	1/2	1,819.07</												



BARGE "GRIFCO 3011"
GRIFCO TRANSPORTATION COMPANY

TANK NO.

3 PORT OR STAR

OUTAGE TABLE

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL NO. 4604

	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.														
0	0	4,230.78	0	4,057.01	0	3,871.04	0	3,675.66	0	3,470.46	0	3,120.67	0	2,755.03	0	2,589.99	0	2,024.96	0	1,659.91	0	1,284.87	0	928.83	0	564.79	0	203.84	0	0.77
1/4	1/4	4,227.90	1/4	4,053.23	1/4	3,867.05	1/4	3,671.54	1/4	3,464.90	1/4	3,112.47	1/4	2,747.43	1/4	2,582.39	1/4	2,017.35	1/4	1,652.31	1/4	1,287.27	1/4	922.23	1/4	557.19	1/4	196.35	1/4	0.16
1/2	1/2	4,225.01	1/2	4,049.45	1/2	3,863.06	1/2	3,667.42	1/2	3,459.33	1/2	3,104.86	1/2	2,739.82	1/2	2,574.78	1/2	2,009.74	1/2	1,644.70	1/2	1,279.66	1/2	914.62	1/2	549.58	1/2	188.76	1/2	0.14
3/4	3/4	4,222.13	3/4	4,045.67	3/4	3,859.07	3/4	3,663.31	3/4	3,453.19	3/4	3,097.26	3/4	2,732.22	3/4	2,567.18	3/4	2,002.14	3/4	1,637.10	3/4	1,272.06	3/4	907.02	3/4	541.98	3/4	181.16	3/4	0.13
1	1	4,219.25	1	4,041.89	1	3,855.08	1	3,659.19	1	3,447.04	1	3,089.65	1	2,724.61	1	2,559.57	1	1,994.53	1	1,629.49	1	1,264.45	1	899.41	1	534.37	1	173.57	1	0.12
1 1/4	1 1/4	4,215.84	1 1/4	4,038.11	1 1/4	3,851.10	1 1/4	3,655.07	1 1/4	3,440.90	1 1/4	3,082.05	1 1/4	2,717.01	1 1/4	2,551.97	1 1/4	1,986.93	1 1/4	1,621.89	1 1/4	1,256.85	1 1/4	891.81	1 1/4	526.77	1 1/4	165.98	1 1/4	0.11
1 1/2	1 1/2	4,211.54	1 1/2	4,034.33	1 1/2	3,847.11	1 1/2	3,650.95	1 1/2	3,434.75	1 1/2	3,074.44	1 1/2	2,709.40	1 1/2	2,544.36	1 1/2	1,979.32	1 1/2	1,614.28	1 1/2	1,249.24	1 1/2	884.20	1 1/2	519.16	1 1/2	158.38	1 1/2	0.10
3 1/4	3 1/4	4,206.13	3 1/4	4,030.56	3 1/4	3,843.12	3 1/4	3,646.83	3 1/4	3,428.63	3 1/4	3,066.84	3 1/4	2,701.80	3 1/4	2,536.76	3 1/4	1,971.72	3 1/4	1,606.68	3 1/4	1,241.64	3 1/4	876.60	3 1/4	511.56	3 1/4	150.79	3 1/4	0.08
2	2	4,204.42	2	4,026.78	2	3,839.13	2	3,642.72	2	3,421.30	2	3,059.23	2	2,694.19	2	2,529.15	2	1,964.11	2	1,599.07	2	1,234.03	2	868.59	2	503.95	2	143.20	2	0.07
1 1/4	1 1/4	4,200.80	1 1/4	4,022.99	1 1/4	3,835.09	1 1/4	3,638.60	1 1/4	3,414.58	1 1/4	3,051.63	1 1/4	2,686.59	1 1/4	2,521.55	1 1/4	1,956.51	1 1/4	1,591.47	1 1/4	1,226.43	1 1/4	861.39	1 1/4	496.35	1 1/4	135.61	1 1/4	0.06
1 1/2	1 1/2	4,197.16	1 1/2	4,019.11	1 1/2	3,831.25	1 1/2	3,634.46	1 1/2	3,407.88	1 1/2	3,044.42	1 1/2	2,678.98	1 1/2	2,513.94	1 1/2	1,948.90	1 1/2	1,583.86	1 1/2	1,218.82	1 1/2	853.78	1 1/2	486.74	1 1/2	128.01	1 1/2	0.05
3 1/4	3 1/4	4,193.56	3 1/4	4,015.20	3 1/4	3,827.01	3 1/4	3,630.36	3 1/4	3,403.55	3 1/4	3,039.42	3 1/4	2,671.98	3 1/4	2,506.94	3 1/4	1,941.20	3 1/4	1,575.26	3 1/4	1,211.22	3 1/4	846.18	3 1/4	481.14	3 1/4	120.42	3 1/4	0.04
1	1	4,189.83	1	4,011.45	1	3,822.97	1	3,626.24	1	3,393.25	1	3,028.81	1	2,663.77	1	2,498.73	1	1,933.69	1	1,568.65	1	1,203.61	1	838.57	1	473.53	1	117.83	1	0.02
1 1/4	1 1/4	4,186.31	1 1/4	4,007.62	1 1/4	3,818.93	1 1/4	3,622.13	1 1/4	3,389.95	1 1/4	3,024.21	1 1/4	2,659.17	1 1/4	2,494.13	1 1/4	1,929.09	1 1/4	1,564.05	1 1/4	1,199.01	1 1/4	830.97	1 1/4	465.83	1 1/4	105.23	1 1/4	0.01
1 1/2	1 1/2	4,182.69	1 1/2	4,003.79	1 1/2	3,814.89	1 1/2	3,618.01	1 1/2	3,378.64	1 1/2	3,013.60	1 1/2	2,648.56	1 1/2	2,483.52	1 1/2	1,918.48	1 1/2	1,553.44	1 1/2	1,188.40	1 1/2	823.36	1 1/2	458.32	1 1/2	97.64	1 1/2	0.00
3 1/4	3 1/4	4,179.05	3 1/4	3,999.96	3 1/4	3,810.85	3 1/4	3,613.89	3 1/4	3,371.04	3 1/4	3,006.60	3 1/4	2,640.96	3 1/4	2,475.92	3 1/4	1,910.88	3 1/4	1,545.84	3 1/4	1,180.80	3 1/4	815.76	3 1/4	450.72	3 1/4	90.05	3 1/4	
4	4	4,175.44	4	3,996.13	4	3,806.81	4	3,609.77	4	3,363.43	4	2,998.39	4	2,633.35	4	2,468.31	4	1,903.27	4	1,538.23	4	1,173.19	4	808.15	4	443.11	4	82.45	4	
1 1/4	1 1/4	4,171.82	1 1/4	3,992.30	1 1/4	3,802.77	1 1/4	3,605.65	1 1/4	3,358.83	1 1/4	2,993.79	1 1/4	2,628.75	1 1/4	2,463.71	1 1/4	1,898.67	1 1/4	1,533.63	1 1/4	1,168.59	1 1/4	800.55	1 1/4	435.51	1 1/4	74.86	1 1/4	
1 1/2	1 1/2	4,168.19	1 1/2	3,988.47	1 1/2	3,798.73	1 1/2	3,601.54	1 1/2	3,348.22	1 1/2	2,983.18	1 1/2	2,618.14	1 1/2	2,453.10	1 1/2	1,888.06	1 1/2	1,523.02	1 1/2	1,157.98	1 1/2	792.94	1 1/2	427.90	1 1/2	67.27	1 1/2	
3 1/4	3 1/4	4,164.57	3 1/4	3,984.64	3 1/4	3,794.69	3 1/4	3,597.42	3 1/4	3,340.62	3 1/4	2,975.58	3 1/4	2,610.54	3 1/4	2,445.50	3 1/4	1,880.46	3 1/4	1,515.42	3 1/4	1,150.38	3 1/4	785.34	3 1/4	420.63	3 1/4	62.17	3 1/4	
5	5	4,160.95	5	3,980.80	5	3,790.65	5	3,593.30	5	3,333.01	5	2,967.97	5	2,602.93	5	2,437.89	5	1,872.85	5	1,507.81	5	1,142.77	5	777.73	5	413.36	5	57.08	5	
1 1/4	1 1/4	4,157.27	1 1/4	3,976.92	1 1/4	3,786.56	1 1/4	3,588.18	1 1/4	3,328.41	1 1/4	2,963.37	1 1/4	2,598.33	1 1/4	2,433.29	1 1/4	1,868.25	1 1/4	1,503.21	1 1/4	1,138.17	1 1/4	770.13	1 1/4	406.08	1 1/4	51.99	1 1/4	
1 1/2	1 1/2	4,153.60	1 1/2	3,973.04	1 1/2	3,782.47	1 1/2	3,584.06	1 1/2	3,317.80	1 1/2	2,952.76	1 1/2	2,587.72	1 1/2	2,422.68	1 1/2	1,857.64	1 1/2	1,492.60	1 1/2	1,127.56	1 1/2	762.52	1 1/2	398.81	1 1/2	46.89	1 1/2	
3 1/4	3 1/4	4,149.92	3 1/4	3,969.16	3 1/4	3,778.38	3 1/4	3,580.95	3 1/4	3,310.20	3 1/4	2,945.16	3 1/4	2,580.12	3 1/4	2,415.08	3 1/4	1,850.04	3 1/4	1,485.00	3 1/4	1,119.96	3 1/4	754.92	3 1/4	391.53	3 1/4	42.78	3 1/4	
6	6	4,146.25	6	3,965.27	6	3,774.28	6	3,576.83	6	3,302.59	6	2,937.55	6	2,572.51	6	2,407.47	6	1,842.43	6	1,477.39	6	1,112.35	6	747.31	6	384.26	6	38.67	6	
1 1/4	1 1/4	4,142.87	1 1/4	3,961.39	1 1/4	3,770.19	1 1/4	3,572.71	1 1/4	3,294.99	1 1/4	2,929.95	1 1/4	2,564.91	1 1/4	2,399.87	1 1/4	1,834.83	1 1/4	1,469.79	1 1/4	1,104.75	1 1/4	739.71	1 1/4	375.99	1 1/4	34.56	1 1/4	
1 1/2	1 1/2	4,138.90	1 1/2	3,957.51	1 1/2	3,766.10	1 1/2	3,568.59	1 1/2	3,287.38	1 1/2	2,922.34	1 1/2	2,557.30	1 1/2	2,392.26	1 1/2	1,827.22	1 1/2	1,462.18	1 1/2	1,097.14	1 1/2	732.10	1 1/2	368.71	1 1/2	30.45	1 1/2	
3 1/4	3 1/4	4,135.22	3 1/4	3,953.62	3 1/4	3,762.01	3 1/4	3,564.47	3 1/4	3,279.78	3 1/4	2,914.74	3 1/4	2,549.70	3 1/4	2,384.66	3 1/4	1,819.62	3 1/4	1,454.58	3 1/4	1,089.54	3 1/4	724.50	3 1/4	362.44	3 1/4	27.33	3 1/4	
7	7	4,131.55	7	3,949.74	7	3,757.92	7	3,560.36	7	3,272.17	7	2,907.13	7	2,542.09	7	2,377.05	7	1,812.01	7	1,446.97	7	1,081.93	7	716.89	7	356.16	7	24.20	7	
1 1/4	1 1/4	4,127.87	1 1/4	3,945.86	1 1/4	3,753.82	1 1/4	3,556.24	1 1/4	3,264.57	1 1/4	2,899.53	1 1/4	2,534.49	1 1/4	2,369.45	1 1/4	1,804.41	1 1/4	1,439.37	1 1/4	1,074.33	1 1/4	709.29	1 1/4	347.89	1 1/4	21.08	1 1/4	
1 1/2	1 1/2	4,124.20	1 1/2	3,941.97	1 1/2	3,749.73	1 1/2	3,552.12	1 1/2	3,256.96	1 1/2	2,891.92	1 1/2	2,526.88	1 1/2	2,361.84	1 1/2	1,796.80	1 1/2	1,431.76	1 1/2	1,069.72	1 1/2	701.68	1 1/2	346.62	1 1/2	17.95	1 1/2	
3 1/4	3 1/4	4,120.52	3 1/4	3,938.09	3 1/4	3,746.64	3 1/4	3,548.00	3 1/4	3,248.36	3 1/4	2,884.32	3 1/4	2,519.28	3 1/4	2,354.24	3 1/4	1,789.20	3 1/4	1,424.16	3 1/4	1,059.12	3 1/4	694.08	3 1/4	333.02	3 1/4	15.49	3 1/4	
8	8	4,116.85	8	3,934.21	8	3,741.55	8	3,543.88	8	3,241.75	8	2,876.71	8	2,511.67	8	2,346.63	8	1,781.59	8	1,416.55	8	1,051.51	8	696.47	8					