



**BARGE "GRIFCO 3003"**  
**GRIFCO TRANSPORTATION COMPANY**  
**OUTAGE TABLE**

**TANK NO.**  
**1 PORT**

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

HULL NO. 2141-1

	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.	17 FT.
0		3,904.89	3,721.64	3,454.00	3,186.35	2,918.70	2,651.05	2,383.40	2,115.76	1,848.11	1,580.46	1,312.81	1,045.36	778.33	511.17	243.52	10.45
1/4	1/4	3,904.58	3,716.07	3,448.42	3,180.77	2,913.12	2,645.48	2,377.83	2,110.18	1,842.53	1,574.88	1,307.24	1,039.80	772.77	505.59	237.94	8.30
1/2	1/2	3,903.66	3,710.49	3,442.84	3,175.20	2,907.55	2,639.90	2,372.25	2,104.60	1,836.96	1,569.31	1,301.66	1,034.23	767.21	500.02	232.54	6.90
3/4	3/4	3,902.73	3,704.92	3,437.27	3,169.62	2,901.97	2,634.32	2,366.68	2,099.03	1,831.38	1,563.73	1,296.08	1,028.67	761.65	494.44	227.14	5.51
1	1	3,901.80	3,699.34	3,431.69	3,164.04	2,896.40	2,628.75	2,361.10	2,093.45	1,825.80	1,558.16	1,290.51	1,023.11	756.08	488.86	221.73	4.11
1/4	1/4	3,900.87	3,693.76	3,426.12	3,158.47	2,890.82	2,623.17	2,355.52	2,087.88	1,820.23	1,552.58	1,284.93	1,017.54	750.52	483.29	216.33	2.72
1/2	1/2	3,899.32	3,688.19	3,420.54	3,152.89	2,885.24	2,617.60	2,349.95	2,082.30	1,814.65	1,547.00	1,279.36	1,011.98	744.96	477.71	210.92	2.25
3/4	3/4	3,897.77	3,682.61	3,414.96	3,147.32	2,879.67	2,612.02	2,344.37	2,076.72	1,809.08	1,541.43	1,273.78	1,006.42	739.39	472.14	205.52	1.79
2	2	3,896.22	3,677.04	3,409.39	3,141.74	2,874.09	2,606.44	2,338.80	2,071.15	1,803.50	1,535.85	1,268.20	1,000.85	733.83	466.56	200.12	1.32
1/4	1/4	3,894.67	3,671.46	3,403.81	3,136.16	2,868.52	2,600.87	2,333.22	2,065.57	1,797.92	1,530.28	1,262.63	995.29	728.27	460.98	194.71	0.86
1/2	1/2	3,892.50	3,665.88	3,398.24	3,130.59	2,862.94	2,595.29	2,327.64	2,060.00	1,792.35	1,524.70	1,257.05	989.73	722.70	455.41	189.31	0.82
3/4	3/4	3,890.33	3,660.31	3,392.66	3,125.01	2,857.36	2,589.72	2,322.07	2,054.42	1,786.77	1,519.12	1,251.48	984.17	717.14	449.83	183.90	0.77
3	3	3,888.17	3,654.73	3,387.08	3,119.44	2,851.79	2,584.14	2,316.49	2,048.84	1,781.20	1,513.55	1,245.90	978.60	711.58	444.26	178.50	0.73
1/4	1/4	3,886.00	3,649.16	3,381.51	3,113.86	2,846.21	2,578.56	2,310.92	2,043.27	1,775.62	1,507.97	1,240.32	973.04	706.02	438.68	173.10	0.69
1/2	1/2	3,883.21	3,643.58	3,375.93	3,108.28	2,840.64	2,572.99	2,305.34	2,037.69	1,770.04	1,502.40	1,234.75	967.48	700.45	433.10	167.69	0.64
3/4	3/4	3,880.42	3,638.00	3,370.36	3,102.71	2,835.06	2,567.41	2,299.76	2,032.12	1,764.47	1,496.82	1,229.17	961.91	694.89	427.53	162.29	0.60
4	4	3,877.63	3,632.43	3,364.78	3,097.13	2,829.48	2,561.84	2,294.19	2,026.54	1,758.89	1,491.24	1,223.60	956.35	689.33	421.95	156.88	0.56
1/4	1/4	3,874.84	3,626.85	3,359.20	3,091.56	2,823.91	2,556.26	2,288.61	2,020.96	1,753.32	1,485.67	1,218.02	950.79	683.76	416.38	151.48	0.52
1/2	1/2	3,871.39	3,621.28	3,353.63	3,085.98	2,818.33	2,550.68	2,283.04	2,015.39	1,747.74	1,480.09	1,212.44	945.22	678.20	410.80	146.08	0.47
3/4	3/4	3,867.94	3,615.70	3,348.05	3,080.40	2,812.76	2,545.11	2,277.46	2,009.81	1,742.16	1,474.52	1,206.87	939.66	672.64	405.22	140.67	0.43
5	5	3,864.50	3,610.12	3,342.48	3,074.83	2,807.18	2,539.53	2,271.88	2,004.24	1,736.59	1,468.94	1,201.29	934.10	667.07	399.65	135.27	0.39
1/4	1/4	3,861.05	3,604.55	3,336.90	3,069.25	2,801.60	2,533.96	2,266.31	1,998.66	1,731.01	1,463.36	1,195.72	928.54	661.51	394.07	129.86	0.34
1/2	1/2	3,857.02	3,600.00	3,333.32	3,063.68	2,796.03	2,528.38	2,260.73	1,993.08	1,725.44	1,457.79	1,190.14	922.97	655.95	388.50	124.46	0.30
3/4	3/4	3,852.99	3,593.40	3,325.75	3,058.10	2,790.45	2,522.80	2,255.16	1,987.51	1,719.86	1,452.21	1,184.56	917.41	650.39	382.92	119.06	0.26
6	6	3,848.97	3,587.82	3,320.17	3,052.52	2,784.88	2,517.23	2,249.58	1,981.93	1,714.28	1,446.64	1,178.99	911.85	644.82	377.34	113.65	0.21
1/4	1/4	3,844.94	3,582.24	3,314.60	3,046.95	2,779.30	2,511.65	2,244.00	1,976.36	1,708.71	1,441.06	1,173.41	906.28	639.26	371.77	108.25	0.17
1/2	1/2	3,840.29	3,576.67	3,309.02	3,041.37	2,773.72	2,506.08	2,238.43	1,970.78	1,703.13	1,435.48	1,167.84	900.72	633.70	366.19	102.84	0.13
3/4	3/4	3,835.65	3,571.09	3,303.44	3,035.80	2,768.15	2,500.50	2,232.85	1,965.20	1,697.56	1,429.91	1,162.26	895.16	628.13	360.62	97.44	0.09
7	7	3,831.00	3,565.52	3,297.87	3,030.22	2,762.57	2,494.92	2,227.28	1,959.63	1,691.98	1,424.33	1,156.68	889.59	622.57	355.04	92.04	0.04
1/4	1/4	3,826.35	3,559.94	3,292.29	3,024.64	2,757.00	2,489.35	2,221.70	1,954.05	1,686.40	1,418.76	1,151.11	884.03	617.01	349.46	86.63	0.00
1/2	1/2	3,821.09	3,554.36	3,286.72	3,019.07	2,751.42	2,483.77	2,216.12	1,948.48	1,680.83	1,413.18	1,145.53	878.47	611.44	343.89	81.23	0.00
3/4	3/4	3,815.82	3,548.79	3,281.14	3,013.49	2,745.84	2,478.20	2,210.55	1,942.90	1,675.25	1,407.60	1,139.96	872.91	605.88	338.31	75.82	0.00
8	8	3,810.55	3,543.21	3,275.56	3,007.92	2,740.27	2,472.62	2,204.97	1,937.32	1,669.68	1,402.03	1,134.38	867.34	600.32	332.74	70.42	0.00
1/4	1/4	3,805.28	3,537.64	3,269.99	3,002.34	2,734.69	2,467.04	2,199.40	1,931.75	1,664.10	1,396.45	1,128.80	861.78	594.76	327.16	65.02	0.00
1/2	1/2	3,799.71	3,532.06	3,264.41	2,996.76	2,729.12	2,461.47	2,193.82	1,926.17	1,658.52	1,390.88	1,123.24	856.22	589.19	321.58	60.08	0.00
3/4	3/4	3,794.13	3,526.48	3,258.84	2,991.19	2,723.54	2,455.89	2,188.24	1,920.60	1,652.95	1,385.30	1,117.68	850.65	583.63	316.01	55.14	0.00
9	9	3,788.56	3,520.91	3,253.26	2,985.61	2,717.96	2,450.32	2,182.67	1,915.02	1,647.37	1,379.72	1,112.11	845.09	578.07	310.43	50.20	0.00
1/4	1/4	3,782.98	3,515.33	3,247.68	2,980.04	2,712.39	2,444.74	2,177.09	1,909.44	1,641.80	1,374.15	1,106.55	839.53	572.50	304.86	45.26	0.00
1/2	1/2	3,777.40	3,509.76	3,242.11	2,974.46	2,706.81	2,438.16	2,171.52	1,903.87	1,636.22	1,368.57	1,100.99	833.96	566.93	299.28	41.25	0.00
3/4	3/4	3,771.83	3,504.18	3,236.53	2,968.88	2,701.24	2,433.59	2,165.94	1,898.29	1,630.64	1,363.00	1,095.43	828.40	561.35	293.70	37.24	0.00
10	10	3,766.25	3,498.60	3,230.96	2,963.31	2,695.66	2,428.01	2,160.36	1,892.72	1,625.07	1,357.42	1,089.86	822.84	555.78	288.13	33.23	0.00
1/4	1/4	3,760.68	3,493.03	3,225.38	2,957.73	2,690.08	2,422.44	2,154.79	1,887.14	1,619.49	1,351.84	1,084.30	817.28	550.20	282.55	29.22	0.00
1/2	1/2	3,755.10	3,487.45	3,219.80	2,952.16	2,684.51	2,416.86	2,149.21	1,881.56	1,613.92	1,346.27	1,078.74	811.71	544.62	276.98	26.14	0.00
3/4	3/4	3,749.52	3,481.88	3,214.23	2,946.58	2,678.93	2,411.28	2,143.64	1,875.99	1,608.34	1,340.69	1,073.17	806.15	539.05	271.40	23.06	0.00
11	11	3,743.95	3,476.30	3,208.65	2,941.00	2,673.36	2,405.71	2,138.06	1,870.41	1,602.76	1,335.12	1,067.61	800.59	533.47	265.82	19.98	0.00
1/4	1/4	3,738.37	3,470.72	3,203.08	2,935.43	2,667.78	2,400.13	2,132.48	1,864.84	1,597.19	1,329.54	1,062.05	795.02	527.90	260.25	16.90	0.00
1/2	1/2	3,732.80	3,465.15	3,197.50	2,929.85	2,662.20	2,394.56	2,126.91	1,859.26	1,591.61	1,323.96	1,056.48	789.46	522.32	254.67	14.75	0.00
3/4	3/4	3,727.22	3,459.57	3,191.92	2,924.28	2,656.63	2,388.98	2,121.33	1,853.68	1,586.04	1,318.39	1,050.92	783.90	516.74	249.10	12.60	0.00

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

STRAPPED: 6/30/05

REFERENCE GAUGE HEIGHT : 17'-7 1/4" (TO 10" DIAMETER HATCH LOCATED  
 NEAR EXPANSION TRUNK)

WE CERTIFY ALL MEASUREMENTS AND COMPUTATIONS ARE  
 IN ACCORDANCE WITH APPLICABLE API STANDARDS AND  
 ARE TRUE AND CORRECT TO THE BEST OF OUR KNOWLEDGE.

INSPECTORATE AMERICA CORPORATION



# BARGE "GRIFCO 3003" GRIFCO TRANSPORTATION COMPANY

## OUTAGE TABLE

TANK NO.  
**1 STAR**

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

HULL NO. 2141-1

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.		17 FT.	
0	0	3,903.66	0	3,710.49	0	3,442.84	0	3,175.20	0	2,907.55	0	2,639.90	0	2,372.25	0	2,104.60	0	1,836.96	0	1,569.31	0	1,301.66	0	1,034.23	0	767.21	0	500.02	0	232.54	0	6.90	
1/4	1/4	3,902.73	1/4	3,704.92	1/4	3,437.27	1/4	3,169.62	1/4	2,901.97	1/4	2,634.32	1/4	2,366.68	1/4	2,099.03	1/4	1,831.38	1/4	1,563.73	1/4	1,296.08	1/4	1,028.67	1/4	761.65	1/4	494.44	1/4	227.14	1/4	5.51	
1/2	1/2	3,901.80	1/2	3,699.34	1/2	3,431.69	1/2	3,164.04	1/2	2,896.40	1/2	2,628.75	1/2	2,361.10	1/2	2,093.45	1/2	1,825.80	1/2	1,558.16	1/2	1,290.51	1/2	1,023.11	1/2	756.08	1/2	488.86	1/2	221.73	1/2	4.11	
3/4	3/4	3,900.87	3/4	3,693.76	3/4	3,426.12	3/4	3,158.47	3/4	2,890.82	3/4	2,623.17	3/4	2,355.52	3/4	2,087.88	3/4	1,820.23	3/4	1,552.58	3/4	1,284.93	3/4	1,017.54	3/4	750.52	3/4	483.29	3/4	216.33	3/4	2.72	
1	1	3,899.32	1	3,688.19	1	3,420.54	1	3,152.89	1	2,885.24	1	2,617.60	1	2,349.95	1	2,082.30	1	1,814.65	1	1,547.00	1	1,279.36	1	1,011.98	1	744.96	1	477.71	1	210.92	1	2.25	
1/4	1/4	3,897.77	1/4	3,682.61	1/4	3,414.96	1/4	3,147.32	1/4	2,879.67	1/4	2,612.02	1/4	2,344.37	1/4	2,076.72	1/4	1,809.08	1/4	1,541.43	1/4	1,273.78	1/4	1,006.42	1/4	739.39	1/4	472.14	1/4	205.52	1/4	1.79	
1/2	1/2	3,896.22	1/2	3,677.04	1/2	3,409.39	1/2	3,141.74	1/2	2,874.09	1/2	2,606.44	1/2	2,338.80	1/2	2,071.15	1/2	1,803.50	1/2	1,535.85	1/2	1,268.20	1/2	1,000.85	1/2	733.83	1/2	466.56	1/2	200.12	1/2	1.32	
3/4	3/4	3,894.67	3/4	3,671.46	3/4	3,403.81	3/4	3,136.16	3/4	2,866.52	3/4	2,600.87	3/4	2,332.22	3/4	2,065.57	3/4	1,797.92	3/4	1,530.28	3/4	1,262.63	3/4	995.29	3/4	728.27	3/4	460.98	3/4	194.71	3/4	0.86	
2	2	3,892.50	2	3,665.88	2	3,398.24	2	3,130.59	2	2,862.94	2	2,595.29	2	2,327.64	2	2,060.00	2	1,792.35	2	1,524.70	2	1,257.05	2	989.73	2	722.70	2	455.41	2	189.31	2	0.82	
1/4	1/4	3,890.33	1/4	3,660.31	1/4	3,392.66	1/4	3,125.01	1/4	2,857.36	1/4	2,589.72	1/4	2,322.07	1/4	2,054.42	1/4	1,786.77	1/4	1,519.12	1/4	1,251.48	1/4	984.17	1/4	717.14	1/4	449.83	1/4	183.90	1/4	0.77	
1/2	1/2	3,888.17	1/2	3,654.73	1/2	3,387.08	1/2	3,119.44	1/2	2,851.79	1/2	2,584.14	1/2	2,316.49	1/2	2,048.84	1/2	1,781.20	1/2	1,513.55	1/2	1,245.90	1/2	978.60	1/2	711.58	1/2	444.26	1/2	178.50	1/2	0.73	
3/4	3/4	3,886.00	3/4	3,649.16	3/4	3,381.51	3/4	3,113.86	3/4	2,846.21	3/4	2,578.56	3/4	2,310.92	3/4	2,043.27	3/4	1,775.62	3/4	1,507.97	3/4	1,240.32	3/4	973.04	3/4	706.02	3/4	438.68	3/4	173.10	3/4	0.69	
3	3	3,883.21	3	3,643.58	3	3,375.93	3	3,108.28	3	2,840.64	3	2,572.99	3	2,305.34	3	2,037.69	3	1,770.04	3	1,502.40	3	1,234.75	3	967.48	3	700.45	3	433.10	3	167.69	3	0.64	
1/4	1/4	3,880.42	1/4	3,638.00	1/4	3,370.36	1/4	3,102.71	1/4	2,835.06	1/4	2,567.41	1/4	2,299.76	1/4	2,032.12	1/4	1,764.47	1/4	1,496.82	1/4	1,229.17	1/4	961.91	1/4	694.89	1/4	427.53	1/4	162.29	1/4	0.60	
1/2	1/2	3,877.63	1/2	3,632.43	1/2	3,364.78	1/2	3,097.13	1/2	2,828.48	1/2	2,561.84	1/2	2,294.19	1/2	2,026.54	1/2	1,758.89	1/2	1,491.24	1/2	1,223.60	1/2	956.35	1/2	689.33	1/2	421.95	1/2	156.88	1/2	0.56	
3/4	3/4	3,874.84	3/4	3,628.85	3/4	3,359.20	3/4	3,091.56	3/4	2,823.91	3/4	2,556.26	3/4	2,288.61	3/4	2,020.96	3/4	1,753.32	3/4	1,485.67	3/4	1,218.02	3/4	950.79	3/4	683.76	3/4	416.38	3/4	151.48	3/4	0.52	
4	4	3,871.39	4	3,621.28	4	3,353.63	4	3,085.98	4	2,818.33	4	2,550.68	4	2,283.04	4	2,015.39	4	1,747.74	4	1,480.09	4	1,212.44	4	945.22	4	678.20	4	410.80	4	146.08	4	0.47	
1/4	1/4	3,867.94	1/4	3,615.70	1/4	3,348.05	1/4	3,080.40	1/4	2,812.76	1/4	2,545.11	1/4	2,277.46	1/4	2,009.81	1/4	1,742.16	1/4	1,474.52	1/4	1,206.87	1/4	939.66	1/4	672.64	1/4	405.22	1/4	140.67	1/4	0.43	
1/2	1/2	3,864.50	1/2	3,610.12	1/2	3,342.48	1/2	3,074.83	1/2	2,807.18	1/2	2,539.53	1/2	2,271.88	1/2	2,004.24	1/2	1,736.59	1/2	1,468.94	1/2	1,201.29	1/2	934.10	1/2	667.07	1/2	399.65	1/2	135.27	1/2	0.39	
3/4	3/4	3,861.05	3/4	3,604.55	3/4	3,336.90	3/4	3,069.25	3/4	2,801.60	3/4	2,533.96	3/4	2,266.31	3/4	1,998.66	3/4	1,731.01	3/4	1,463.36	3/4	1,195.72	3/4	928.54	3/4	661.51	3/4	394.07	3/4	129.86	3/4	0.34	
5	5	3,857.02	5	3,598.97	5	3,331.32	5	3,063.68	5	2,796.03	5	2,528.38	5	2,260.73	5	1,993.08	5	1,725.44	5	1,457.79	5	1,190.14	5	922.57	5	655.95	5	388.50	5	124.46	5	0.30	
1/4	1/4	3,852.99	1/4	3,593.40	1/4	3,325.75	1/4	3,058.10	1/4	2,790.45	1/4	2,522.80	1/4	2,255.16	1/4	1,987.51	1/4	1,719.86	1/4	1,452.21	1/4	1,184.56	1/4	917.41	1/4	650.39	1/4	382.82	1/4	119.06	1/4	0.26	
1/2	1/2	3,848.97	1/2	3,587.82	1/2	3,320.17	1/2	3,052.52	1/2	2,784.88	1/2	2,517.23	1/2	2,249.58	1/2	1,981.93	1/2	1,714.28	1/2	1,446.64	1/2	1,178.99	1/2	911.85	1/2	644.82	1/2	377.34	1/2	113.65	1/2	0.21	
3/4	3/4	3,844.94	3/4	3,582.24	3/4	3,314.60	3/4	3,046.95	3/4	2,779.30	3/4	2,511.65	3/4	2,244.00	3/4	1,976.36	3/4	1,708.71	3/4	1,441.06	3/4	1,173.41	3/4	906.28	3/4	639.26	3/4	371.77	3/4	108.25	3/4	0.17	
6	6	3,840.29	6	3,576.67	6	3,309.02	6	3,041.37	6	2,773.72	6	2,506.08	6	2,238.43	6	1,970.78	6	1,703.13	6	1,435.48	6	1,167.84	6	900.72	6	633.70	6	366.19	6	102.84	6	0.13	
1/4	1/4	3,835.65	1/4	3,571.09	1/4	3,303.44	1/4	3,035.80	1/4	2,768.15	1/4	2,500.50	1/4	2,232.85	1/4	1,965.20	1/4	1,697.56	1/4	1,429.91	1/4	1,162.26	1/4	895.16	1/4	628.13	1/4	360.62	1/4	97.44	1/4	0.09	
1/2	1/2	3,831.00	1/2	3,565.52	1/2	3,297.87	1/2	3,030.22	1/2	2,762.57	1/2	2,494.92	1/2	2,227.28	1/2	1,959.63	1/2	1,691.98	1/2	1,424.33	1/2	1,156.68	1/2	889.59	1/2	622.57	1/2	355.04	1/2	92.04	1/2	0.04	
3/4	3/4	3,826.35	3/4	3,559.94	3/4	3,292.29	3/4	3,024.64	3/4	2,757.00	3/4	2,489.35	3/4	2,221.70	3/4	1,954.05	3/4	1,686.40	3/4	1,418.76	3/4	1,151.11	3/4	884.03	3/4	617.01	3/4	349.46	3/4	86.63	3/4	0.00	
7	7	3,821.09	7	3,554.36	7	3,286.72	7	3,019.07	7	2,751.42	7	2,483.77	7	2,216.12	7	1,948.48	7	1,680.83	7	1,413.18	7	1,145.53	7	878.47	7	611.44	7	343.89	7	81.23	7		
1/4	1/4	3,815.82	1/4	3,548.79	1/4	3,281.14	1/4	3,013.49	1/4	2,745.84	1/4	2,478.20	1/4	2,210.55	1/4	1,942.90	1/4	1,675.25	1/4	1,407.60	1/4	1,139.96	1/4	872.91	1/4	605.88	1/4	338.31	1/4	75.82	1/4		
1/2	1/2	3,810.55	1/2	3,543.21	1/2	3,275.56	1/2	3,007.92	1/2	2,740.27	1/2	2,472.62	1/2	2,204.97	1/2	1,937.32	1/2	1,669.68	1/2	1,402.03	1/2	1,134.38	1/2	867.34	1/2	600.32	1/2	332.74	1/2	70.42	1/2		
3/4	3/4	3,805.28	3/4	3,537.64	3/4	3,269.99	3/4	3,002.34	3/4	2,734.69	3/4	2,467.04	3/4	2,199.40	3/4	1,931.75	3/4	1,664.10	3/4	1,396.45	3/4	1,128.80	3/4	861.78	3/4	594.76	3/4	327.16	3/4	65.02	3/4		
8	8	3,799.71	8	3,532.06	8	3,264.41	8	2,996.76	8	2,729.12	8	2,461.47	8	2,193.82	8	1,926.17	8	1,658.52	8	1,390.88	8	1,123.24	8	856.22	8	589.19	8	321.58	8	60.08	8		
1/4	1/4	3,794.13	1/4	3,526.48	1/4	3,258.84	1/4	2,991.19	1/4	2,723.54	1/4	2,455.89	1/4	2,188.24	1/4	1,920.60	1/4	1,652.95	1/4	1,385.30	1/4	1,117.68	1/4	850.65	1/4	583.63	1/4	316.01	1/4	55.14	1/4		
1/2	1/2	3,788.56	1/2	3,520.91	1/2	3,253.26	1/2	2,985.61	1/2	2,717.96	1/2	2,450.32	1/2	2,182.67	1/2	1,915.02	1/2	1,647.37	1/2	1,379.72	1/2	1,112.11	1/2	845.09	1/2	578.07	1/2	310.43	1/2	50.20	1/2		
3/4	3/4	3,782.98	3/4	3,515.33	3/4	3,247.68	3/4	2,980.04	3/4	2,712.39	3/4	2,444.74	3/4	2,177.09	3/4	1,909																	



# BARGE "GRIFCO 3003" GRIFCO TRANSPORTATION COMPANY

TANK NO.  
**2 PORT**

## OUTAGE TABLE

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

HULL NO. 2141-1

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.		17 FT.	
0		0	4,108.09	0	3,900.04	0	3,618.28	0	3,336.52	0	3,054.76	0	2,773.00	0	2,491.24	0	2,209.48	0	1,927.72	0	1,645.96	0	1,364.20	0	1,082.71	0	801.67	0	520.42	0	239.02	0	5.75
1/4	1/4	1/4	4,107.11	1/4	3,894.17	1/4	3,612.41	1/4	3,330.65	1/4	3,048.89	1/4	2,767.13	1/4	2,485.37	1/4	2,203.61	1/4	1,921.85	1/4	1,640.09	1/4	1,358.33	1/4	1,076.86	1/4	795.82	1/4	514.55	1/4	233.34	1/4	4.26
1/2	1/2	1/2	4,106.14	1/2	3,888.30	1/2	3,606.54	1/2	3,324.78	1/2	3,043.02	1/2	2,761.26	1/2	2,479.50	1/2	2,197.74	1/2	1,915.98	1/2	1,634.22	1/2	1,352.46	1/2	1,071.00	1/2	789.96	1/2	508.68	1/2	227.85	1/2	2.82
3/4	3/4	3/4	4,104.51	3/4	3,882.43	3/4	3,600.67	3/4	3,318.91	3/4	3,037.15	3/4	2,755.39	3/4	2,473.63	3/4	2,191.87	3/4	1,910.11	3/4	1,628.35	3/4	1,346.59	3/4	1,065.15	3/4	784.11	3/4	502.81	3/4	221.96	3/4	2.33
1	1	1	4,102.88	1	3,876.56	1	3,594.80	1	3,313.04	1	3,031.28	1	2,749.52	1	2,467.76	1	2,186.00	1	1,904.24	1	1,622.48	1	1,340.72	1	1,059.29	1	778.25	1	496.94	1	216.27	1	1.84
1/4	1/4	1/4	4,101.25	1/4	3,870.69	1/4	3,588.93	1/4	3,307.17	1/4	3,025.41	1/4	2,743.65	1/4	2,461.89	1/4	2,180.13	1/4	1,898.37	1/4	1,616.61	1/4	1,334.85	1/4	1,053.44	1/4	772.40	1/4	491.07	1/4	210.58	1/4	1.35
1/2	1/2	1/2	4,099.62	1/2	3,864.82	1/2	3,583.06	1/2	3,301.30	1/2	3,019.54	1/2	2,737.78	1/2	2,456.02	1/2	2,174.26	1/2	1,892.50	1/2	1,610.74	1/2	1,328.98	1/2	1,047.58	1/2	766.54	1/2	485.20	1/2	204.90	1/2	0.86
3/4	3/4	3/4	4,097.33	3/4	3,858.95	3/4	3,577.19	3/4	3,295.43	3/4	3,013.67	3/4	2,731.91	3/4	2,450.15	3/4	2,168.39	3/4	1,886.63	3/4	1,604.87	3/4	1,323.11	3/4	1,041.73	3/4	760.69	3/4	479.33	3/4	199.21	3/4	0.82
2	2	2	4,095.05	2	3,853.08	2	3,571.32	2	3,289.56	2	3,007.80	2	2,726.04	2	2,444.28	2	2,162.52	2	1,880.76	2	1,599.00	2	1,317.24	2	1,035.87	2	754.83	2	473.46	2	193.52	2	0.77
1/4	1/4	1/4	4,092.77	1/4	3,847.21	1/4	3,565.45	1/4	3,283.69	1/4	3,001.93	1/4	2,720.17	1/4	2,438.41	1/4	2,156.65	1/4	1,874.89	1/4	1,593.13	1/4	1,311.37	1/4	1,030.02	1/4	748.98	1/4	467.59	1/4	187.83	1/4	0.73
1/2	1/2	1/2	4,090.48	1/2	3,841.34	1/2	3,559.58	1/2	3,277.82	1/2	2,996.06	1/2	2,714.30	1/2	2,432.54	1/2	2,150.78	1/2	1,869.02	1/2	1,587.26	1/2	1,305.50	1/2	1,024.16	1/2	743.12	1/2	461.72	1/2	182.14	1/2	0.69
3/4	3/4	3/4	4,087.55	3/4	3,835.47	3/4	3,553.71	3/4	3,271.95	3/4	2,990.19	3/4	2,708.43	3/4	2,426.67	3/4	2,144.91	3/4	1,863.15	3/4	1,581.39	3/4	1,299.63	3/4	1,018.31	3/4	737.27	3/4	455.85	3/4	176.46	3/4	0.65
3	3	3	4,084.61	3	3,829.60	3	3,547.84	3	3,266.08	3	2,984.32	3	2,702.56	3	2,420.80	3	2,139.04	3	1,857.28	3	1,575.52	3	1,293.76	3	1,012.45	3	731.41	3	449.96	3	170.77	3	0.60
1/4	1/4	1/4	4,081.68	1/4	3,823.73	1/4	3,541.97	1/4	3,260.21	1/4	2,978.45	1/4	2,696.69	1/4	2,414.93	1/4	2,133.17	1/4	1,851.41	1/4	1,569.65	1/4	1,287.89	1/4	1,006.60	1/4	725.56	1/4	444.11	1/4	165.08	1/4	0.56
1/2	1/2	1/2	4,078.74	1/2	3,817.86	1/2	3,536.10	1/2	3,254.34	1/2	2,972.58	1/2	2,690.82	1/2	2,409.06	1/2	2,127.30	1/2	1,845.54	1/2	1,563.78	1/2	1,282.02	1/2	1,000.74	1/2	719.70	1/2	438.24	1/2	159.39	1/2	0.52
3/4	3/4	3/4	4,075.16	3/4	3,811.99	3/4	3,530.23	3/4	3,248.47	3/4	2,966.71	3/4	2,684.95	3/4	2,403.19	3/4	2,121.43	3/4	1,839.67	3/4	1,557.91	3/4	1,276.15	3/4	994.89	3/4	713.85	3/4	432.37	3/4	153.70	3/4	0.47
4	4	4	4,071.57	4	3,806.12	4	3,524.36	4	3,242.60	4	2,960.84	4	2,679.08	4	2,397.32	4	2,115.56	4	1,833.80	4	1,552.04	4	1,270.28	4	989.03	4	707.99	4	426.50	4	148.02	4	0.43
1/4	1/4	1/4	4,067.98	1/4	3,800.25	1/4	3,518.49	1/4	3,236.73	1/4	2,954.97	1/4	2,673.21	1/4	2,391.45	1/4	2,109.69	1/4	1,827.93	1/4	1,546.17	1/4	1,264.41	1/4	983.18	1/4	702.14	1/4	420.63	1/4	142.33	1/4	0.39
1/2	1/2	1/2	4,064.40	1/2	3,794.38	1/2	3,512.62	1/2	3,230.86	1/2	2,949.10	1/2	2,667.34	1/2	2,385.58	1/2	2,103.82	1/2	1,822.06	1/2	1,540.30	1/2	1,258.54	1/2	977.32	1/2	696.28	1/2	414.76	1/2	136.64	1/2	0.34
3/4	3/4	3/4	4,060.16	3/4	3,788.51	3/4	3,506.75	3/4	3,224.99	3/4	2,943.23	3/4	2,661.47	3/4	2,379.71	3/4	2,097.95	3/4	1,816.19	3/4	1,534.43	3/4	1,252.67	3/4	971.47	3/4	690.43	3/4	408.89	3/4	130.95	3/4	0.30
5	5	5	4,055.92	5	3,782.64	5	3,500.88	5	3,219.12	5	2,937.36	5	2,655.60	5	2,373.84	5	2,092.08	5	1,810.32	5	1,528.56	5	1,246.80	5	965.61	5	684.57	5	403.02	5	125.26	5	0.26
1/4	1/4	1/4	4,051.68	1/4	3,776.77	1/4	3,495.01	1/4	3,213.25	1/4	2,931.49	1/4	2,649.73	1/4	2,367.97	1/4	2,086.21	1/4	1,804.45	1/4	1,522.69	1/4	1,240.93	1/4	959.76	1/4	678.72	1/4	397.15	1/4	119.58	1/4	0.22
1/2	1/2	1/2	4,047.44	1/2	3,770.90	1/2	3,489.14	1/2	3,207.38	1/2	2,925.62	1/2	2,643.86	1/2	2,362.10	1/2	2,080.34	1/2	1,798.58	1/2	1,516.82	1/2	1,235.06	1/2	953.90	1/2	672.86	1/2	391.28	1/2	113.89	1/2	0.17
3/4	3/4	3/4	4,042.55	3/4	3,765.03	3/4	3,483.27	3/4	3,201.51	3/4	2,919.75	3/4	2,637.99	3/4	2,356.23	3/4	2,074.47	3/4	1,792.71	3/4	1,510.95	3/4	1,229.19	3/4	948.05	3/4	667.01	3/4	385.41	3/4	108.20	3/4	0.13
6	6	6	4,037.66	6	3,759.16	6	3,477.40	6	3,195.64	6	2,913.88	6	2,632.12	6	2,350.36	6	2,068.60	6	1,786.84	6	1,505.08	6	1,223.32	6	942.19	6	661.15	6	379.54	6	102.51	6	0.09
1/4	1/4	1/4	4,032.77	1/4	3,753.29	1/4	3,471.53	1/4	3,189.77	1/4	2,908.01	1/4	2,626.25	1/4	2,344.49	1/4	2,062.73	1/4	1,780.97	1/4	1,499.21	1/4	1,217.45	1/4	936.34	1/4	655.30	1/4	373.67	1/4	96.82	1/4	0.04
1/2	1/2	1/2	4,027.88	1/2	3,747.42	1/2	3,465.66	1/2	3,183.90	1/2	2,902.14	1/2	2,620.38	1/2	2,338.62	1/2	2,056.86	1/2	1,775.10	1/2	1,493.34	1/2	1,211.58	1/2	930.48	1/2	649.44	1/2	367.80	1/2	91.14	1/2	0.00
3/4	3/4	3/4	4,022.33	3/4	3,741.55	3/4	3,459.79	3/4	3,178.03	3/4	2,896.27	3/4	2,614.51	3/4	2,332.75	3/4	2,050.99	3/4	1,769.23	3/4	1,487.47	3/4	1,205.71	3/4	924.63	3/4	643.59	3/4	361.93	3/4	85.45	3/4	
7	7	7	4,016.79	7	3,735.68	7	3,453.92	7	3,172.16	7	2,890.40	7	2,608.64	7	2,326.88	7	2,045.12	7	1,763.36	7	1,481.60	7	1,199.84	7	918.77	7	637.73	7	356.06	7	79.76	7	
1/4	1/4	1/4	4,011.24	1/4	3,729.81	1/4	3,448.05	1/4	3,166.29	1/4	2,884.53	1/4	2,602.77	1/4	2,321.01	1/4	2,039.25	1/4	1,757.49	1/4	1,475.73	1/4	1,193.97	1/4	912.92	1/4	631.88	1/4	350.19	1/4	74.07	1/4	
1/2	1/2	1/2	4,005.70	1/2	3,723.94	1/2	3,442.18	1/2	3,160.42	1/2	2,878.66	1/2	2,596.90	1/2	2,315.14	1/2	2,033.38	1/2	1,751.62	1/2	1,469.86	1/2	1,188.10	1/2	907.06	1/2	626.02	1/2	344.32	1/2	68.38	1/2	
3/4	3/4	3/4	3,999.83	3/4	3,718.07	3/4	3,436.31	3/4	3,154.55	3/4	2,872.79	3/4	2,591.03	3/4	2,309.27	3/4	2,027.51	3/4	1,745.75	3/4	1,463.99	3/4	1,182.25	3/4	901.21	3/4	620.17	3/4	338.45	3/4	63.19	3/4	
8	8	8	3,993.96	8	3,712.20	8	3,430.44	8	3,148.68	8	2,866.92	8	2,585.16	8	2,303.40	8	2,021.64	8	1,739.88	8	1,458.12	8	1,176.36	8	895.35	8	614.31	8	332.58	8	57.99	8	
1/4	1/4	1/4	3,988.09	1/4	3,706.33	1/4	3,424.57	1/4	3,142.81	1/4	2,861.05	1/4	2,579.29	1/4	2,297.53	1/4	2,015.77	1/4	1,734.01	1/4	1,452.25	1/4	1,170.54	1/4	889.50	1/4	608.46	1/4	326.71	1/4	52.79	1/4	
1/2	1/2	1/2	3,982.22	1/2	3,700.46	1/2	3,418.70	1/2	3,136.94	1/2	2,855.18	1/2	2,573.42	1/2	2,291.66	1/2	2,009.90	1/2	1,728.14	1/2	1,446.38	1/2	1,164										



**BARGE "GRIFCO 3003"**  
**GRIFCO TRANSPORTATION COMPANY**

**TANK NO.**  
**2 STAR**

**OUTAGE TABLE**

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

HULL NO. 2141-1

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.		17 FT.	
0		0	4,109.07	0	3,905.91	0	3,624.15	0	3,342.39	0	3,060.63	0	2,778.87	0	2,497.11	0	2,215.35	0	1,933.59	0	1,651.83	0	1,370.07	0	1,088.57	0	807.53	0	526.29	0	244.71	0	7.22
1/4		1/4	4,108.09	1/4	3,900.04	1/4	3,618.28	1/4	3,336.52	1/4	3,054.76	1/4	2,773.00	1/4	2,491.24	1/4	2,209.48	1/4	1,927.72	1/4	1,645.96	1/4	1,364.20	1/4	1,082.71	1/4	801.67	1/4	520.42	1/4	239.02	1/4	5.75
1/2		1/2	4,107.11	1/2	3,894.17	1/2	3,612.41	1/2	3,330.65	1/2	3,048.89	1/2	2,767.13	1/2	2,485.37	1/2	2,203.61	1/2	1,921.85	1/2	1,640.09	1/2	1,358.33	1/2	1,076.86	1/2	795.82	1/2	514.55	1/2	233.34	1/2	4.28
3/4		3/4	4,106.14	3/4	3,888.30	3/4	3,606.54	3/4	3,324.78	3/4	3,043.02	3/4	2,761.26	3/4	2,479.50	3/4	2,197.74	3/4	1,915.98	3/4	1,634.22	3/4	1,352.46	3/4	1,071.00	3/4	789.96	3/4	508.68	3/4	227.65	3/4	2.82
1		1	4,104.51	1	3,882.43	1	3,600.67	1	3,318.91	1	3,037.15	1	2,755.39	1	2,473.63	1	2,191.87	1	1,910.11	1	1,628.35	1	1,346.59	1	1,065.15	1	784.11	1	502.81	1	221.96	1	2.33
1/4		1/4	4,102.88	1/4	3,876.56	1/4	3,594.80	1/4	3,313.04	1/4	3,031.28	1/4	2,749.52	1/4	2,467.76	1/4	2,186.00	1/4	1,904.24	1/4	1,622.48	1/4	1,340.72	1/4	1,059.29	1/4	778.25	1/4	496.94	1/4	216.27	1/4	1.84
1/2		1/2	4,101.25	1/2	3,870.69	1/2	3,588.93	1/2	3,307.17	1/2	3,025.41	1/2	2,743.65	1/2	2,461.89	1/2	2,180.13	1/2	1,898.37	1/2	1,616.61	1/2	1,334.85	1/2	1,053.44	1/2	772.40	1/2	491.07	1/2	210.58	1/2	1.35
3/4		3/4	4,099.62	3/4	3,864.82	3/4	3,583.06	3/4	3,301.30	3/4	3,019.54	3/4	2,737.78	3/4	2,456.02	3/4	2,174.26	3/4	1,892.50	3/4	1,610.74	3/4	1,328.98	3/4	1,047.58	3/4	766.54	3/4	485.20	3/4	204.90	3/4	0.86
2		2	4,097.33	2	3,858.95	2	3,577.19	2	3,295.43	2	3,013.67	2	2,731.91	2	2,450.15	2	2,168.39	2	1,886.63	2	1,604.87	2	1,323.11	2	1,041.73	2	760.69	2	479.33	2	199.21	2	0.82
1/4		1/4	4,095.05	1/4	3,853.08	1/4	3,571.32	1/4	3,289.56	1/4	3,007.80	1/4	2,726.04	1/4	2,444.28	1/4	2,162.52	1/4	1,880.76	1/4	1,599.00	1/4	1,317.24	1/4	1,035.87	1/4	754.83	1/4	473.46	1/4	193.52	1/4	0.77
1/2		1/2	4,092.77	1/2	3,847.21	1/2	3,565.45	1/2	3,283.69	1/2	3,001.93	1/2	2,720.17	1/2	2,438.41	1/2	2,156.65	1/2	1,874.89	1/2	1,593.13	1/2	1,311.37	1/2	1,030.02	1/2	748.98	1/2	467.59	1/2	187.83	1/2	0.73
3/4		3/4	4,090.48	3/4	3,841.34	3/4	3,559.58	3/4	3,277.82	3/4	2,996.06	3/4	2,714.30	3/4	2,432.54	3/4	2,150.78	3/4	1,869.02	3/4	1,587.26	3/4	1,305.50	3/4	1,024.16	3/4	743.12	3/4	461.72	3/4	182.14	3/4	0.69
3		3	4,087.55	3	3,835.47	3	3,553.71	3	3,271.95	3	2,990.19	3	2,708.43	3	2,426.67	3	2,144.91	3	1,863.15	3	1,581.39	3	1,299.63	3	1,018.31	3	737.27	3	455.85	3	176.46	3	0.65
1/4		1/4	4,084.61	1/4	3,829.60	1/4	3,547.84	1/4	3,266.08	1/4	2,984.32	1/4	2,702.56	1/4	2,420.80	1/4	2,139.04	1/4	1,857.28	1/4	1,575.52	1/4	1,293.76	1/4	1,012.45	1/4	731.41	1/4	449.98	1/4	170.77	1/4	0.60
1/2		1/2	4,081.68	1/2	3,823.73	1/2	3,541.97	1/2	3,260.21	1/2	2,978.45	1/2	2,696.69	1/2	2,414.93	1/2	2,133.17	1/2	1,851.41	1/2	1,569.65	1/2	1,287.89	1/2	1,006.60	1/2	725.56	1/2	444.11	1/2	165.08	1/2	0.56
3/4		3/4	4,078.74	3/4	3,817.86	3/4	3,536.10	3/4	3,254.34	3/4	2,972.58	3/4	2,690.82	3/4	2,409.06	3/4	2,127.30	3/4	1,845.54	3/4	1,563.78	3/4	1,282.02	3/4	1,000.74	3/4	719.70	3/4	438.24	3/4	159.39	3/4	0.52
4		4	4,075.16	4	3,811.99	4	3,530.23	4	3,248.47	4	2,966.71	4	2,684.95	4	2,403.19	4	2,121.43	4	1,839.67	4	1,557.91	4	1,276.15	4	994.89	4	713.85	4	432.37	4	153.70	4	0.47
1/4		1/4	4,071.57	1/4	3,806.12	1/4	3,524.36	1/4	3,242.60	1/4	2,960.84	1/4	2,679.08	1/4	2,397.32	1/4	2,115.56	1/4	1,833.80	1/4	1,552.04	1/4	1,270.28	1/4	989.03	1/4	707.99	1/4	426.50	1/4	148.02	1/4	0.43
1/2		1/2	4,067.98	1/2	3,800.25	1/2	3,518.49	1/2	3,236.73	1/2	2,954.97	1/2	2,673.21	1/2	2,391.45	1/2	2,109.69	1/2	1,827.93	1/2	1,546.17	1/2	1,264.41	1/2	983.18	1/2	702.14	1/2	420.63	1/2	142.33	1/2	0.39
3/4		3/4	4,064.40	3/4	3,794.38	3/4	3,512.62	3/4	3,230.86	3/4	2,949.10	3/4	2,667.34	3/4	2,385.58	3/4	2,103.82	3/4	1,822.06	3/4	1,540.30	3/4	1,268.54	3/4	977.32	3/4	696.28	3/4	414.76	3/4	136.64	3/4	0.34
5		5	4,060.16	5	3,788.51	5	3,506.75	5	3,224.99	5	2,943.23	5	2,661.47	5	2,379.71	5	2,097.95	5	1,816.19	5	1,534.43	5	1,252.67	5	971.47	5	690.43	5	408.89	5	130.95	5	0.30
1/4		1/4	4,055.92	1/4	3,782.64	1/4	3,500.88	1/4	3,219.12	1/4	2,937.36	1/4	2,655.60	1/4	2,373.84	1/4	2,092.08	1/4	1,810.32	1/4	1,528.56	1/4	1,246.80	1/4	965.61	1/4	684.57	1/4	403.02	1/4	125.26	1/4	0.26
1/2		1/2	4,051.68	1/2	3,776.77	1/2	3,495.01	1/2	3,213.25	1/2	2,931.49	1/2	2,649.73	1/2	2,367.97	1/2	2,086.21	1/2	1,804.45	1/2	1,522.69	1/2	1,240.93	1/2	959.76	1/2	678.72	1/2	397.15	1/2	119.58	1/2	0.22
3/4		3/4	4,047.44	3/4	3,770.90	3/4	3,489.14	3/4	3,207.38	3/4	2,925.62	3/4	2,643.86	3/4	2,362.10	3/4	2,080.34	3/4	1,798.58	3/4	1,516.82	3/4	1,235.06	3/4	953.90	3/4	672.86	3/4	381.28	3/4	113.89	3/4	0.17
6		6	4,042.55	6	3,765.03	6	3,483.27	6	3,201.51	6	2,919.75	6	2,637.99	6	2,356.23	6	2,074.47	6	1,792.71	6	1,510.95	6	1,229.19	6	948.05	6	667.01	6	385.41	6	108.20	6	0.13
1/4		1/4	4,037.66	1/4	3,759.16	1/4	3,477.40	1/4	3,195.64	1/4	2,913.88	1/4	2,632.12	1/4	2,350.36	1/4	2,068.60	1/4	1,786.84	1/4	1,505.08	1/4	1,223.32	1/4	942.19	1/4	661.15	1/4	379.54	1/4	102.51	1/4	0.09
1/2		1/2	4,032.77	1/2	3,753.29	1/2	3,471.53	1/2	3,189.77	1/2	2,908.01	1/2	2,626.25	1/2	2,344.49	1/2	2,062.73	1/2	1,780.97	1/2	1,499.21	1/2	1,217.45	1/2	936.34	1/2	655.30	1/2	373.67	1/2	96.82	1/2	0.04
3/4		3/4	4,027.88	3/4	3,747.42	3/4	3,465.66	3/4	3,183.90	3/4	2,902.14	3/4	2,620.38	3/4	2,338.62	3/4	2,056.86	3/4	1,775.10	3/4	1,493.34	3/4	1,211.58	3/4	930.48	3/4	649.44	3/4	367.80	3/4	91.14	3/4	0.00
7		7	4,022.33	7	3,741.55	7	3,459.79	7	3,178.03	7	2,896.27	7	2,614.51	7	2,332.75	7	2,050.99	7	1,769.23	7	1,487.47	7	1,205.71	7	924.63	7	643.59	7	361.93	7	85.45	7	
1/4		1/4	4,016.79	1/4	3,735.68	1/4	3,453.92	1/4	3,172.16	1/4	2,890.40	1/4	2,608.64	1/4	2,326.88	1/4	2,045.12	1/4	1,763.36	1/4	1,481.60	1/4	1,199.84	1/4	918.77	1/4	637.73	1/4	356.06	1/4	79.76	1/4	
1/2		1/2	4,011.24	1/2	3,729.81	1/2	3,448.05	1/2	3,166.29	1/2	2,884.53	1/2	2,602.77	1/2	2,321.01	1/2	2,039.25	1/2	1,757.49	1/2	1,475.73	1/2	1,193.97	1/2	912.92	1/2	631.88	1/2	350.19	1/2	74.07	1/2	
3/4		3/4	4,005.70	3/4	3,723.94	3/4	3,442.18	3/4	3,160.42	3/4	2,878.66	3/4	2,596.90	3/4	2,315.14	3/4	2,033.38	3/4	1,751.62	3/4	1,469.86	3/4	1,188.10	3/4	907.06	3/4	626.02	3/4	344.32	3/4	68.38	3/4	
8		8	3,999.83	8	3,718.07	8	3,436.31	8	3,154.55	8	2,872.79	8	2,591.03	8	2,309.27	8	2,027.51	8	1,745.75	8	1,463.99	8	1,182.25	8	901.21	8	620.17	8	338.45	8	63.19	8	
1/4		1/4	3,993.96	1/4	3,712.20	1/4	3,430.44	1/4	3,148.68	1/4	2,866.92	1/4	2,585.16	1/4	2,303.40	1/4	2,021.64																



**BARGE "GRIFCO 3003"**  
**GRIFCO TRANSPORTATION COMPANY**  
**OUTAGE TABLE**

**TANK NO.**  
**3 PORT OR STAR**

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

HULL NO. 2141-1

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.		17 FT.	
0		0	4,120.26	0	3,927.12	0	3,644.64	0	3,362.16	0	3,079.68	0	2,797.20	0	2,514.72	0	2,232.24	0	1,949.76	0	1,667.28	0	1,384.80	0	1,102.58	0	820.91	0	539.10	0	256.82	0	10.97
1/4		1/4	4,119.94	1/4	3,921.24	1/4	3,638.76	1/4	3,356.28	1/4	3,073.80	1/4	2,791.32	1/4	2,508.84	1/4	2,226.36	1/4	1,943.88	1/4	1,661.40	1/4	1,378.92	1/4	1,096.71	1/4	815.04	1/4	533.22	1/4	250.94	1/4	8.70
1/2		1/2	4,118.96	1/2	3,915.35	1/2	3,632.87	1/2	3,350.39	1/2	3,067.91	1/2	2,785.43	1/2	2,502.95	1/2	2,220.47	1/2	1,937.99	1/2	1,655.51	1/2	1,373.83	1/2	1,090.84	1/2	809.18	1/2	527.34	1/2	245.24	1/2	7.23
3/4		3/4	4,117.98	3/4	3,909.47	3/4	3,626.99	3/4	3,344.51	3/4	3,062.03	3/4	2,779.55	3/4	2,497.07	3/4	2,214.59	3/4	1,932.11	3/4	1,649.63	3/4	1,367.15	3/4	1,084.97	3/4	803.31	3/4	521.46	3/4	239.54	3/4	5.76
1		1	4,117.00	1	3,903.58	1	3,621.10	1	3,338.62	1	3,056.14	1	2,773.66	1	2,491.18	1	2,208.70	1	1,926.22	1	1,643.74	1	1,361.26	1	1,079.10	1	797.44	1	515.58	1	233.84	1	4.29
1/4		1/4	4,116.02	1/4	3,897.70	1/4	3,615.22	1/4	3,332.74	1/4	3,050.26	1/4	2,767.78	1/4	2,485.30	1/4	2,202.82	1/4	1,920.34	1/4	1,637.86	1/4	1,355.38	1/4	1,073.24	1/4	791.57	1/4	509.70	1/4	228.14	1/4	2.82
1/2		1/2	4,114.38	1/2	3,891.81	1/2	3,609.33	1/2	3,326.85	1/2	3,044.37	1/2	2,761.89	1/2	2,479.41	1/2	2,196.93	1/2	1,914.45	1/2	1,631.97	1/2	1,349.49	1/2	1,067.37	1/2	785.70	1/2	503.82	1/2	222.44	1/2	2.33
3/4		3/4	4,112.75	3/4	3,885.93	3/4	3,603.45	3/4	3,320.97	3/4	3,038.49	3/4	2,756.01	3/4	2,473.53	3/4	2,191.05	3/4	1,908.57	3/4	1,626.09	3/4	1,343.61	3/4	1,061.50	3/4	779.84	3/4	497.94	3/4	216.74	3/4	1.84
2		2	4,111.12	2	3,880.04	2	3,597.56	2	3,315.08	2	3,032.60	2	2,750.12	2	2,467.64	2	2,185.16	2	1,902.68	2	1,620.20	2	1,337.72	2	1,055.63	2	773.97	2	492.06	2	211.04	2	1.35
1/4		1/4	4,109.48	1/4	3,874.16	1/4	3,591.68	1/4	3,309.20	1/4	3,026.72	1/4	2,744.24	1/4	2,461.76	1/4	2,179.28	1/4	1,896.80	1/4	1,614.32	1/4	1,331.84	1/4	1,049.76	1/4	768.10	1/4	486.18	1/4	205.34	1/4	0.86
1/2		1/2	4,107.20	1/2	3,868.27	1/2	3,585.79	1/2	3,303.31	1/2	3,020.83	1/2	2,738.35	1/2	2,455.87	1/2	2,173.39	1/2	1,890.91	1/2	1,608.43	1/2	1,325.95	1/2	1,043.90	1/2	762.23	1/2	480.29	1/2	199.64	1/2	0.82
3/4		3/4	4,104.91	3/4	3,862.39	3/4	3,579.91	3/4	3,297.43	3/4	3,014.95	3/4	2,732.47	3/4	2,449.99	3/4	2,167.51	3/4	1,885.03	3/4	1,602.55	3/4	1,320.97	3/4	1,038.03	3/4	756.36	3/4	474.41	3/4	193.94	3/4	0.77
3		3	4,102.62	3	3,856.50	3	3,574.02	3	3,291.54	3	3,009.06	3	2,726.58	3	2,444.10	3	2,161.62	3	1,879.14	3	1,596.66	3	1,314.18	3	1,032.16	3	750.50	3	468.53	3	188.24	3	0.73
1/4		1/4	4,100.34	1/4	3,850.62	1/4	3,568.14	1/4	3,285.66	1/4	3,003.18	1/4	2,720.70	1/4	2,438.22	1/4	2,155.74	1/4	1,873.26	1/4	1,590.78	1/4	1,308.30	1/4	1,026.29	1/4	744.63	1/4	462.65	1/4	182.54	1/4	0.69
1/2		1/2	4,097.40	1/2	3,844.73	1/2	3,562.25	1/2	3,279.77	1/2	2,997.29	1/2	2,714.81	1/2	2,432.33	1/2	2,149.85	1/2	1,867.37	1/2	1,584.89	1/2	1,302.41	1/2	1,020.42	1/2	738.76	1/2	456.77	1/2	176.84	1/2	0.64
3/4		3/4	4,094.46	3/4	3,838.85	3/4	3,558.37	3/4	3,273.89	3/4	2,991.41	3/4	2,708.93	3/4	2,426.45	3/4	2,143.97	3/4	1,861.49	3/4	1,579.01	3/4	1,296.53	3/4	1,014.56	3/4	732.89	3/4	450.89	3/4	171.14	3/4	0.60
4		4	4,091.52	4	3,832.96	4	3,550.48	4	3,268.00	4	2,985.52	4	2,703.04	4	2,420.56	4	2,138.08	4	1,855.60	4	1,573.12	4	1,290.64	4	1,008.69	4	727.02	4	445.01	4	165.44	4	0.56
1/4		1/4	4,088.58	1/4	3,827.08	1/4	3,544.60	1/4	3,262.12	1/4	2,979.64	1/4	2,697.16	1/4	2,414.68	1/4	2,132.20	1/4	1,849.72	1/4	1,567.24	1/4	1,284.76	1/4	1,002.82	1/4	721.16	1/4	439.13	1/4	159.74	1/4	0.52
1/2		1/2	4,084.98	1/2	3,821.19	1/2	3,538.71	1/2	3,256.23	1/2	2,973.75	1/2	2,691.27	1/2	2,408.79	1/2	2,126.31	1/2	1,843.83	1/2	1,561.35	1/2	1,278.87	1/2	996.95	1/2	715.29	1/2	433.25	1/2	154.04	1/2	0.47
3/4		3/4	4,081.39	3/4	3,815.31	3/4	3,532.83	3/4	3,250.35	3/4	2,967.87	3/4	2,685.39	3/4	2,402.91	3/4	2,120.43	3/4	1,837.95	3/4	1,555.47	3/4	1,272.99	3/4	991.08	3/4	709.42	3/4	427.37	3/4	148.34	3/4	0.43
5		5	4,077.79	5	3,809.42	5	3,526.94	5	3,244.46	5	2,961.98	5	2,679.50	5	2,397.02	5	2,114.54	5	1,832.06	5	1,549.58	5	1,267.10	5	985.22	5	703.55	5	421.48	5	142.64	5	0.39
1/4		1/4	4,074.20	1/4	3,803.54	1/4	3,521.06	1/4	3,238.58	1/4	2,956.10	1/4	2,673.62	1/4	2,391.14	1/4	2,108.66	1/4	1,826.18	1/4	1,543.70	1/4	1,261.22	1/4	979.35	1/4	697.68	1/4	415.60	1/4	136.94	1/4	0.34
1/2		1/2	4,069.95	1/2	3,797.65	1/2	3,515.17	1/2	3,232.69	1/2	2,950.21	1/2	2,667.73	1/2	2,385.25	1/2	2,102.77	1/2	1,820.29	1/2	1,537.81	1/2	1,255.33	1/2	973.48	1/2	691.82	1/2	409.72	1/2	131.24	1/2	0.30
3/4		3/4	4,065.71	3/4	3,791.77	3/4	3,509.29	3/4	3,226.81	3/4	2,944.33	3/4	2,661.85	3/4	2,379.37	3/4	2,096.89	3/4	1,814.41	3/4	1,531.93	3/4	1,249.45	3/4	967.61	3/4	685.95	3/4	403.84	3/4	125.54	3/4	0.26
6		6	4,061.46	6	3,785.88	6	3,503.40	6	3,220.92	6	2,938.44	6	2,655.96	6	2,373.48	6	2,091.00	6	1,808.52	6	1,526.04	6	1,243.56	6	961.74	6	680.08	6	397.96	6	119.84	6	0.21
1/4		1/4	4,057.21	1/4	3,780.00	1/4	3,497.52	1/4	3,215.04	1/4	2,932.56	1/4	2,650.08	1/4	2,367.60	1/4	2,085.12	1/4	1,802.64	1/4	1,520.16	1/4	1,237.68	1/4	955.88	1/4	674.21	1/4	392.08	1/4	114.14	1/4	0.17
1/2		1/2	4,052.31	1/2	3,774.11	1/2	3,491.63	1/2	3,209.15	1/2	2,926.67	1/2	2,644.19	1/2	2,361.71	1/2	2,079.23	1/2	1,796.75	1/2	1,514.27	1/2	1,231.79	1/2	950.01	1/2	668.34	1/2	386.20	1/2	108.44	1/2	0.13
3/4		3/4	4,047.41	3/4	3,768.23	3/4	3,485.75	3/4	3,203.27	3/4	2,920.79	3/4	2,638.31	3/4	2,355.83	3/4	2,073.35	3/4	1,790.87	3/4	1,508.39	3/4	1,225.91	3/4	944.14	3/4	662.48	3/4	380.32	3/4	102.74	3/4	0.09
7		7	4,042.51	7	3,762.34	7	3,479.86	7	3,197.38	7	2,914.90	7	2,632.42	7	2,349.94	7	2,067.46	7	1,784.98	7	1,502.50	7	1,220.02	7	938.27	7	656.61	7	374.44	7	97.04	7	0.04
1/4		1/4	4,037.61	1/4	3,756.46	1/4	3,473.98	1/4	3,191.50	1/4	2,909.02	1/4	2,626.54	1/4	2,344.06	1/4	2,061.58	1/4	1,779.10	1/4	1,496.62	1/4	1,214.14	1/4	932.40	1/4	650.74	1/4	368.56	1/4	91.34	1/4	0.00
1/2		1/2	4,032.06	1/2	3,750.57	1/2	3,468.09	1/2	3,185.61	1/2	2,903.13	1/2	2,620.65	1/2	2,338.17	1/2	2,055.69	1/2	1,773.21	1/2	1,490.73	1/2	1,208.25	1/2	926.54	1/2	644.87	1/2	362.67	1/2	85.64	1/2	0.00
3/4		3/4	4,026.50	3/4	3,744.69	3/4	3,462.21	3/4	3,179.73	3/4	2,897.25	3/4	2,614.77	3/4	2,332.29	3/4	2,049.81	3/4	1,767.33	3/4	1,484.85	3/4	1,202.37	3/4	920.67	3/4	639.00	3/4	356.79	3/4	79.94	3/4	0.00
8		8	4,020.95	8	3,738.80	8	3,456.32	8	3,173.84	8	2,891.36	8	2,608.88	8	2,326.40	8	2,043.92	8	1,761.44	8	1,478.96	8	1,196.48	8	914.80	8	633.14	8	350.91	8	74.24	8	0.00
1/4		1/4	4,015.40	1/4	3,732.92	1/4	3,450.44	1/4	3,167.96	1/4	2,885.48	1/4	2,603.00	1/4	2,320.52	1/4	2,038.04	1/4	1,755.56	1/4	1,473.08	1/4	1,190.60	1/4	908.93	1/4	627.27	1/4	345.03	1/4	68.54	1/4	0.00
1/2		1/2	4,009.51	1/2	3,727.03	1/2	3,444.55	1/2	3,162.07	1/2	2,879.59	1/2	2,597.11	1/2	2,314.63	1/2	2,032.15	1/2	1,749.67	1/2	1,467.19	1/2	1,184.73	1/2	903.06	1/2	621.40	1/2	339.15	1/2	63.33	1/2	0.00
3/4		3/4	4,003.6																														



**BARGE "GRIFCO 3003"**  
**GRIFCO TRANSPORTATION COMPANY**  
 OUTAGE TABLE

**TANK NO.**  
**4 PORT**

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

HULL NO. 2141-1

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.		17 FT.	
0	0	3,811.56	0	3,734.48	0	3,621.77	0	3,509.07	0	3,367.26	0	3,058.93	0	2,750.10	0	2,441.27	0	2,132.44	0	1,823.61	0	1,514.77	0	1,206.15	0	897.89	0	589.88	0	280.85	0	11.82	
1/4	1/4	3,811.43	1/4	3,732.13	1/4	3,619.42	1/4	3,506.72	1/4	3,361.33	1/4	3,052.50	1/4	2,743.67	1/4	2,434.84	1/4	2,126.00	1/4	1,817.17	1/4	1,508.34	1/4	1,199.73	1/4	891.57	1/4	583.24	1/4	274.41	1/4	9.44	
1/2	1/2	3,811.04	1/2	3,729.78	1/2	3,617.08	1/2	3,504.37	1/2	3,354.90	1/2	3,046.07	1/2	2,737.23	1/2	2,428.40	1/2	2,119.57	1/2	1,810.74	1/2	1,501.91	1/2	1,193.31	1/2	885.15	1/2	576.81	1/2	268.18	1/2	7.83	
3/4	3/4	3,810.65	3/4	3,727.43	3/4	3,614.73	3/4	3,502.02	3/4	3,348.46	3/4	3,039.63	3/4	2,730.80	3/4	2,421.97	3/4	2,113.14	3/4	1,804.30	3/4	1,495.47	3/4	1,186.89	3/4	878.73	3/4	570.38	3/4	261.94	3/4	6.22	
1	1	3,810.26	1	3,725.08	1	3,612.38	1	3,499.68	1	3,342.03	1	3,033.20	1	2,724.37	1	2,415.53	1	2,106.70	1	1,797.87	1	1,489.04	1	1,180.47	1	872.31	1	563.94	1	255.71	1	4.61	
1/4	1/4	3,809.87	1/4	3,722.74	1/4	3,610.03	1/4	3,497.33	1/4	3,335.80	1/4	3,026.76	1/4	2,717.93	1/4	2,409.10	1/4	2,100.27	1/4	1,791.44	1/4	1,482.60	1/4	1,174.05	1/4	865.89	1/4	557.51	1/4	249.47	1/4	3.00	
1/2	1/2	3,809.22	1/2	3,720.39	1/2	3,607.68	1/2	3,494.98	1/2	3,329.16	1/2	3,020.33	1/2	2,711.50	1/2	2,402.67	1/2	2,093.83	1/2	1,785.00	1/2	1,476.17	1/2	1,167.63	1/2	859.47	1/2	551.07	1/2	243.24	1/2	2.47	
3/4	3/4	3,808.56	3/4	3,718.04	3/4	3,605.34	3/4	3,492.63	3/4	3,322.73	3/4	3,013.90	3/4	2,705.06	3/4	2,396.23	3/4	2,087.40	3/4	1,778.57	3/4	1,469.74	3/4	1,161.21	3/4	853.05	3/4	544.64	3/4	237.00	3/4	1.93	
2	2	3,807.91	2	3,715.69	2	3,602.99	2	3,490.28	2	3,316.29	2	3,007.46	2	2,698.63	2	2,389.80	2	2,080.97	2	1,772.13	2	1,463.30	2	1,154.79	2	846.63	2	538.21	2	230.77	2	1.40	
1/4	1/4	3,807.26	1/4	3,713.34	1/4	3,600.64	1/4	3,487.94	1/4	3,309.86	1/4	3,001.03	1/4	2,692.20	1/4	2,383.36	1/4	2,074.53	1/4	1,765.70	1/4	1,456.87	1/4	1,148.37	1/4	840.21	1/4	531.77	1/4	224.53	1/4	0.86	
1/2	1/2	3,806.35	1/2	3,711.00	1/2	3,598.29	1/2	3,485.59	1/2	3,303.43	1/2	2,994.59	1/2	2,685.76	1/2	2,376.93	1/2	2,068.10	1/2	1,759.27	1/2	1,450.43	1/2	1,141.95	1/2	833.79	1/2	525.34	1/2	218.30	1/2	0.82	
3/4	3/4	3,805.43	3/4	3,708.65	3/4	3,595.94	3/4	3,483.24	3/4	3,296.99	3/4	2,988.16	3/4	2,679.33	3/4	2,370.50	3/4	2,061.66	3/4	1,752.83	3/4	1,444.00	3/4	1,135.53	3/4	827.37	3/4	518.90	3/4	212.66	3/4	0.77	
3	3	3,804.52	3	3,706.30	3	3,593.60	3	3,480.89	3	3,290.56	3	2,981.73	3	2,672.89	3	2,364.06	3	2,055.23	3	1,746.40	3	1,437.57	3	1,129.11	3	820.95	3	512.47	3	205.83	3	0.73	
1/4	1/4	3,803.61	1/4	3,703.95	1/4	3,591.25	1/4	3,478.54	1/4	3,284.42	1/4	2,975.29	1/4	2,666.46	1/4	2,357.63	1/4	2,048.80	1/4	1,739.96	1/4	1,431.13	1/4	1,122.69	1/4	814.53	1/4	506.04	1/4	199.59	1/4	0.69	
1/2	1/2	3,802.43	1/2	3,701.60	1/2	3,588.90	1/2	3,476.20	1/2	3,277.89	1/2	2,968.86	1/2	2,660.03	1/2	2,351.19	1/2	2,042.36	1/2	1,733.53	1/2	1,424.70	1/2	1,116.27	1/2	808.11	1/2	499.80	1/2	193.36	1/2	0.84	
3/4	3/4	3,801.26	3/4	3,699.26	3/4	3,586.55	3/4	3,473.85	3/4	3,271.26	3/4	2,962.42	3/4	2,653.59	3/4	2,344.76	3/4	2,035.93	3/4	1,727.10	3/4	1,418.26	3/4	1,109.85	3/4	801.69	3/4	493.17	3/4	187.12	3/4	0.60	
4	4	3,800.09	4	3,696.91	4	3,584.20	4	3,471.50	4	3,264.82	4	2,955.99	4	2,647.16	4	2,338.33	4	2,029.49	4	1,720.66	4	1,411.83	4	1,103.43	4	795.27	4	486.73	4	180.88	4	0.56	
1/4	1/4	3,798.91	1/4	3,694.56	1/4	3,581.86	1/4	3,469.15	1/4	3,258.39	1/4	2,949.56	1/4	2,640.72	1/4	2,331.89	1/4	2,023.06	1/4	1,714.23	1/4	1,405.40	1/4	1,097.01	1/4	788.85	1/4	480.30	1/4	174.65	1/4	0.52	
1/2	1/2	3,797.48	1/2	3,692.21	1/2	3,579.51	1/2	3,466.80	1/2	3,251.95	1/2	2,943.12	1/2	2,634.29	1/2	2,325.46	1/2	2,016.63	1/2	1,707.79	1/2	1,398.96	1/2	1,090.59	1/2	782.43	1/2	473.87	1/2	168.42	1/2	0.47	
3/4	3/4	3,796.04	3/4	3,689.86	3/4	3,577.16	3/4	3,464.46	3/4	3,245.52	3/4	2,936.69	3/4	2,627.86	3/4	2,319.02	3/4	2,010.19	3/4	1,701.36	3/4	1,392.53	3/4	1,084.17	3/4	776.01	3/4	467.43	3/4	162.18	3/4	0.43	
5	5	3,794.61	5	3,687.52	5	3,574.81	5	3,462.11	5	3,239.09	5	2,930.25	5	2,621.42	5	2,312.59	5	2,003.76	5	1,694.93	5	1,386.09	5	1,077.75	5	769.59	5	461.00	5	155.95	5	0.39	
1/4	1/4	3,793.17	1/4	3,685.17	1/4	3,572.46	1/4	3,459.76	1/4	3,232.65	1/4	2,923.82	1/4	2,614.99	1/4	2,306.16	1/4	1,997.32	1/4	1,688.49	1/4	1,379.66	1/4	1,071.33	1/4	763.17	1/4	454.56	1/4	149.71	1/4	0.34	
1/2	1/2	3,791.48	1/2	3,682.82	1/2	3,570.12	1/2	3,457.41	1/2	3,226.22	1/2	2,917.39	1/2	2,608.55	1/2	2,297.72	1/2	1,990.89	1/2	1,682.06	1/2	1,373.23	1/2	1,064.91	1/2	756.75	1/2	448.13	1/2	143.48	1/2	0.30	
3/4	3/4	3,789.78	3/4	3,680.47	3/4	3,567.77	3/4	3,455.06	3/4	3,219.78	3/4	2,910.95	3/4	2,602.12	3/4	2,293.29	3/4	1,984.46	3/4	1,675.62	3/4	1,366.79	3/4	1,058.49	3/4	750.33	3/4	441.70	3/4	137.24	3/4	0.26	
6	6	3,788.08	6	3,678.12	6	3,565.42	6	3,452.72	6	3,213.35	6	2,904.52	6	2,595.69	6	2,286.85	6	1,978.02	6	1,669.19	6	1,360.36	6	1,052.07	6	743.91	6	435.26	6	131.01	6	0.21	
1/4	1/4	3,786.39	1/4	3,675.78	1/4	3,563.07	1/4	3,450.37	1/4	3,206.92	1/4	2,898.08	1/4	2,589.25	1/4	2,280.42	1/4	1,971.59	1/4	1,662.76	1/4	1,353.92	1/4	1,045.65	1/4	737.49	1/4	428.83	1/4	124.77	1/4	0.17	
1/2	1/2	3,784.43	1/2	3,673.43	1/2	3,560.72	1/2	3,448.02	1/2	3,200.48	1/2	2,891.65	1/2	2,582.82	1/2	2,273.99	1/2	1,965.15	1/2	1,656.32	1/2	1,347.49	1/2	1,039.23	1/2	731.07	1/2	422.39	1/2	118.54	1/2	0.13	
3/4	3/4	3,782.48	3/4	3,671.08	3/4	3,558.38	3/4	3,445.67	3/4	3,194.85	3/4	2,885.22	3/4	2,576.38	3/4	2,267.55	3/4	1,958.72	3/4	1,649.89	3/4	1,341.06	3/4	1,032.81	3/4	724.65	3/4	415.96	3/4	112.30	3/4	0.09	
7	7	3,780.52	7	3,668.73	7	3,556.03	7	3,443.32	7	3,187.61	7	2,878.78	7	2,569.95	7	2,261.12	7	1,952.29	7	1,643.45	7	1,334.62	7	1,026.39	7	718.23	7	409.53	7	106.07	7	0.04	
1/4	1/4	3,778.56	1/4	3,666.38	1/4	3,553.68	1/4	3,440.98	1/4	3,181.18	1/4	2,872.35	1/4	2,563.52	1/4	2,254.68	1/4	1,945.85	1/4	1,637.02	1/4	1,328.19	1/4	1,019.97	1/4	711.81	1/4	403.09	1/4	99.83	1/4	0.00	
1/2	1/2	3,776.35	1/2	3,664.04	1/2	3,551.33	1/2	3,438.63	1/2	3,174.75	1/2	2,865.91	1/2	2,557.08	1/2	2,248.25	1/2	1,939.42	1/2	1,630.59	1/2	1,321.75	1/2	1,013.55	1/2	705.39	1/2	396.66	1/2	93.60	1/2		
3/4	3/4	3,774.13	3/4	3,661.69	3/4	3,548.98	3/4	3,436.28	3/4	3,168.31	3/4	2,859.48	3/4	2,550.65	3/4	2,241.82	3/4	1,932.98	3/4	1,624.15	3/4	1,313.32	3/4	1,007.13	3/4	698.97	3/4	390.22	3/4	87.36	3/4		
8	8	3,771.91	8	3,659.34	8	3,546.64	8	3,433.93	8	3,161.88	8	2,853.05	8	2,544.21	8	2,235.38	8	1,926.55	8	1,617.72	8	1,308.89	8	1,000.71	8	692.55	8	383.79	8	81.13	8		
1/4	1/4	3,769.70	1/4	3,656.99	1/4	3,544.29	1/4	3,431.58	1/4	3,155.44	1/4	2,846.61	1/4	2,537.78	1/4	2,228.95	1/4	1,920.12	1/4	1,611.28	1/4	1,302.45	1/4	994.29	1/4	686.13	1/4	377.36	1/4	74.89	1/4		
1/2	1/2	3,767.35	1/2	3,654.64	1/2	3,541.94	1/2	3,428.73	1/2	3,149.01	1/2	2,840.18	1/2	2,531.35	1/2	2,222.51	1/2	1,913.68	1/2	1,604.85	1/2	1,296.03	1/2	987.87	1/2	679.71	1/2	370.82	1/2	69.19	1/2		
3/4	3/4	3,765.00	3/4	3,652.30	3/4	3,539.59	3/4	3,425.87	3/4	3,142.58	3/4	2,833.74	3/4	2,524.91	3/4	2,2																	



## BARGE "GRIFCO 3003" GRIFCO TRANSPORTATION COMPANY OUTAGE TABLE

TANK NO.  
**4 STAR**

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

HULL NO. 2141-1

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.		17 FT.	
0		0	3,811.43	0	3,732.13	0	3,619.42	0	3,506.72	0	3,361.33	0	3,052.50	0	2,743.67	0	2,434.84	0	2,126.00	0	1,817.17	0	1,508.34	0	1,199.73	0	891.57	0	583.24	0	274.41	0	9.44
1/4	1/4	1/4	3,811.04	1/4	3,729.78	1/4	3,617.08	1/4	3,504.37	1/4	3,354.90	1/4	3,046.07	1/4	2,737.23	1/4	2,428.40	1/4	2,119.57	1/4	1,810.74	1/4	1,501.91	1/4	1,193.31	1/4	885.15	1/4	576.81	1/4	268.18	1/4	7.83
1/2	1/2	1/2	3,810.65	1/2	3,727.43	1/2	3,614.73	1/2	3,502.02	1/2	3,348.46	1/2	3,039.63	1/2	2,730.80	1/2	2,421.97	1/2	2,113.14	1/2	1,804.30	1/2	1,495.47	1/2	1,186.89	1/2	878.73	1/2	570.38	1/2	261.94	1/2	6.22
3/4	3/4	3/4	3,810.26	3/4	3,725.08	3/4	3,612.38	3/4	3,499.68	3/4	3,342.03	3/4	3,033.20	3/4	2,724.37	3/4	2,415.53	3/4	2,106.70	3/4	1,797.87	3/4	1,489.04	3/4	1,180.47	3/4	872.31	3/4	563.94	3/4	255.71	3/4	4.61
1	1	1	3,809.87	1	3,722.74	1	3,610.03	1	3,497.33	1	3,335.60	1	3,026.76	1	2,717.93	1	2,409.10	1	2,100.27	1	1,791.44	1	1,482.60	1	1,174.05	1	865.89	1	557.51	1	249.47	1	3.00
1/4	1/4	1/4	3,809.22	1/4	3,720.39	1/4	3,607.68	1/4	3,494.98	1/4	3,329.16	1/4	3,020.33	1/4	2,711.50	1/4	2,402.67	1/4	2,093.83	1/4	1,785.00	1/4	1,476.17	1/4	1,167.63	1/4	859.47	1/4	551.07	1/4	243.24	1/4	2.47
1/2	1/2	1/2	3,808.56	1/2	3,718.04	1/2	3,605.34	1/2	3,492.63	1/2	3,322.73	1/2	3,013.90	1/2	2,705.06	1/2	2,396.23	1/2	2,087.40	1/2	1,778.57	1/2	1,469.74	1/2	1,161.21	1/2	853.05	1/2	544.64	1/2	237.00	1/2	1.93
3/4	3/4	3/4	3,807.91	3/4	3,715.69	3/4	3,602.99	3/4	3,490.28	3/4	3,316.29	3/4	3,007.46	3/4	2,698.63	3/4	2,389.80	3/4	2,080.97	3/4	1,772.13	3/4	1,463.30	3/4	1,154.79	3/4	846.63	3/4	538.21	3/4	230.77	3/4	1.40
2	2	2	3,807.26	2	3,713.34	2	3,600.64	2	3,487.94	2	3,309.86	2	2,998.03	2	2,689.20	2	2,380.36	2	2,071.53	2	1,762.70	2	1,453.87	2	1,145.04	2	840.21	2	531.77	2	224.53	2	0.86
1/4	1/4	1/4	3,806.35	1/4	3,711.00	1/4	3,598.29	1/4	3,485.59	1/4	3,303.43	1/4	2,991.59	1/4	2,682.76	1/4	2,373.93	1/4	2,065.10	1/4	1,756.27	1/4	1,447.43	1/4	1,138.60	1/4	833.79	1/4	525.34	1/4	218.30	1/4	0.82
1/2	1/2	1/2	3,805.43	1/2	3,708.65	1/2	3,595.94	1/2	3,483.24	1/2	3,296.99	1/2	2,985.16	1/2	2,676.33	1/2	2,367.50	1/2	2,058.67	1/2	1,750.83	1/2	1,442.00	1/2	1,130.17	1/2	827.37	1/2	518.90	1/2	212.06	1/2	0.77
3/4	3/4	3/4	3,804.52	3/4	3,706.30	3/4	3,593.60	3/4	3,480.89	3/4	3,290.56	3/4	2,981.73	3/4	2,672.89	3/4	2,364.06	3/4	2,055.23	3/4	1,746.40	3/4	1,437.57	3/4	1,121.91	3/4	820.85	3/4	512.47	3/4	205.83	3/4	0.73
3	3	3	3,803.61	3	3,703.95	3	3,591.25	3	3,478.54	3	3,284.12	3	2,975.29	3	2,666.46	3	2,357.63	3	2,048.80	3	1,739.96	3	1,431.13	3	1,122.69	3	814.53	3	506.04	3	199.59	3	0.69
1/4	1/4	1/4	3,802.43	1/4	3,701.60	1/4	3,588.90	1/4	3,476.20	1/4	3,277.69	1/4	2,968.86	1/4	2,660.03	1/4	2,351.19	1/4	2,042.36	1/4	1,733.53	1/4	1,424.70	1/4	1,116.27	1/4	808.11	1/4	499.60	1/4	193.36	1/4	0.64
1/2	1/2	1/2	3,801.26	1/2	3,699.26	1/2	3,586.55	1/2	3,473.85	1/2	3,271.26	1/2	2,962.42	1/2	2,653.59	1/2	2,344.76	1/2	2,035.93	1/2	1,727.10	1/2	1,418.26	1/2	1,109.85	1/2	801.69	1/2	493.17	1/2	187.12	1/2	0.60
3/4	3/4	3/4	3,800.09	3/4	3,698.91	3/4	3,584.20	3/4	3,471.50	3/4	3,264.82	3/4	2,955.99	3/4	2,647.16	3/4	2,338.33	3/4	2,029.49	3/4	1,720.66	3/4	1,411.83	3/4	1,103.43	3/4	795.27	3/4	486.73	3/4	180.89	3/4	0.56
4	4	4	3,798.91	4	3,694.56	4	3,581.86	4	3,469.15	4	3,258.39	4	2,949.56	4	2,640.72	4	2,331.89	4	2,023.06	4	1,714.23	4	1,405.40	4	1,097.01	4	788.85	4	480.30	4	174.65	4	0.52
1/4	1/4	1/4	3,797.48	1/4	3,692.21	1/4	3,579.51	1/4	3,466.80	1/4	3,251.95	1/4	2,943.12	1/4	2,634.29	1/4	2,325.46	1/4	2,016.63	1/4	1,707.79	1/4	1,398.96	1/4	1,090.59	1/4	782.43	1/4	473.87	1/4	168.42	1/4	0.47
1/2	1/2	1/2	3,796.04	1/2	3,689.86	1/2	3,577.16	1/2	3,464.46	1/2	3,245.52	1/2	2,936.69	1/2	2,627.86	1/2	2,318.02	1/2	2,010.19	1/2	1,701.36	1/2	1,389.53	1/2	1,082.21	1/2	776.01	1/2	467.43	1/2	162.18	1/2	0.43
3/4	3/4	3/4	3,794.61	3/4	3,687.52	3/4	3,574.81	3/4	3,462.11	3/4	3,239.09	3/4	2,930.25	3/4	2,621.42	3/4	2,312.59	3/4	2,003.76	3/4	1,694.93	3/4	1,386.09	3/4	1,077.75	3/4	769.59	3/4	461.00	3/4	155.95	3/4	0.39
5	5	5	3,793.17	5	3,685.17	5	3,572.46	5	3,459.76	5	3,232.65	5	2,923.82	5	2,614.99	5	2,306.16	5	1,997.32	5	1,688.49	5	1,379.66	5	1,071.33	5	763.17	5	454.56	5	149.71	5	0.34
1/4	1/4	1/4	3,791.48	1/4	3,682.82	1/4	3,570.12	1/4	3,457.41	1/4	3,226.22	1/4	2,917.39	1/4	2,608.55	1/4	2,299.72	1/4	1,990.89	1/4	1,682.06	1/4	1,373.23	1/4	1,064.91	1/4	756.75	1/4	448.13	1/4	143.48	1/4	0.30
1/2	1/2	1/2	3,789.78	1/2	3,680.47	1/2	3,567.77	1/2	3,455.06	1/2	3,219.78	1/2	2,910.95	1/2	2,602.12	1/2	2,293.29	1/2	1,984.46	1/2	1,675.62	1/2	1,366.79	1/2	1,058.49	1/2	750.33	1/2	441.70	1/2	137.24	1/2	0.26
3/4	3/4	3/4	3,788.08	3/4	3,678.12	3/4	3,565.42	3/4	3,452.72	3/4	3,213.35	3/4	2,904.52	3/4	2,595.69	3/4	2,286.85	3/4	1,978.02	3/4	1,669.19	3/4	1,360.36	3/4	1,052.07	3/4	743.91	3/4	435.26	3/4	131.01	3/4	0.21
6	6	6	3,786.39	6	3,675.78	6	3,563.07	6	3,450.37	6	3,206.92	6	2,898.08	6	2,589.25	6	2,280.42	6	1,971.59	6	1,662.76	6	1,353.92	6	1,045.65	6	737.49	6	428.63	6	124.77	6	0.17
1/4	1/4	1/4	3,784.43	1/4	3,673.43	1/4	3,560.72	1/4	3,448.02	1/4	3,200.48	1/4	2,891.65	1/4	2,582.82	1/4	2,273.99	1/4	1,965.15	1/4	1,656.32	1/4	1,347.49	1/4	1,039.23	1/4	731.07	1/4	422.39	1/4	118.54	1/4	0.13
1/2	1/2	1/2	3,782.48	1/2	3,671.08	1/2	3,558.38	1/2	3,445.67	1/2	3,194.05	1/2	2,885.22	1/2	2,576.38	1/2	2,267.55	1/2	1,958.72	1/2	1,649.89	1/2	1,341.06	1/2	1,032.81	1/2	724.65	1/2	415.96	1/2	112.30	1/2	0.09
3/4	3/4	3/4	3,780.52	3/4	3,668.73	3/4	3,556.03	3/4	3,443.32	3/4	3,187.61	3/4	2,878.78	3/4	2,569.95	3/4	2,261.12	3/4	1,952.29	3/4	1,643.45	3/4	1,334.62	3/4	1,026.39	3/4	718.23	3/4	409.53	3/4	106.07	3/4	0.04
7	7	7	3,778.56	7	3,666.38	7	3,553.68	7	3,440.98	7	3,181.18	7	2,872.35	7	2,563.52	7	2,254.68	7	1,945.85	7	1,637.02	7	1,328.19	7	1,019.97	7	711.81	7	403.09	7	99.83	7	0.00
1/4	1/4	1/4	3,776.35	1/4	3,664.04	1/4	3,551.33	1/4	3,438.63	1/4	3,174.75	1/4	2,865.91	1/4	2,557.08	1/4	2,248.25	1/4	1,939.42	1/4	1,630.59	1/4	1,321.76	1/4	1,013.55	1/4	705.39	1/4	396.66	1/4	93.60	1/4	
1/2	1/2	1/2	3,774.13	1/2	3,661.69	1/2	3,548.98	1/2	3,436.28	1/2	3,168.31	1/2	2,859.48	1/2	2,550.65	1/2	2,241.82	1/2	1,932.98	1/2	1,624.15	1/2	1,315.32	1/2	1,007.13	1/2	698.97	1/2	390.22	1/2	87.36	1/2	
3/4	3/4	3/4	3,771.91	3/4	3,659.34	3/4	3,546.64	3/4	3,433.93	3/4	3,161.88	3/4	2,853.05	3/4	2,544.21	3/4	2,235.38	3/4	1,926.55	3/4	1,617.72	3/4	1,308.89	3/4	1,000.71	3/4	692.55	3/4	383.79	3/4	81.13	3/4	
8	8	8	3,769.70	8	3,656.99	8	3,544.29	8	3,431.58	8	3,155.44	8	2,846.61	8	2,537.78	8	2,228.95	8	1,920.12	8	1,611.28	8	1,302.45	8	994.29	8	686.13	8	377.36	8	74.89	8	
1/4	1/4	1/4	3,767.35	1/4	3,654.64	1/4	3,541.94	1/4	3,428.73	1/4	3,149.01	1/4	2,840.18	1/4	2,531.35	1/4	2,222.51	1/4	1,913.68	1/4	1,604.85	1/4	1,296.03	1/4	987.87	1/4	679.71	1/4	370.92	1/4	69.19	1/4	
1/2	1/2	1/2	3,765.00	1/2	3,652.30	1/2	3,539.59	1/2	3,425.87	1/2	3,142.58	1/2	2,833.74	1/2	2,524.91	1/2	2,216.08	1/2	1,907.25	1/2	1,598.42	1/2	1,28										