



**BARGE "GRIFCO 3010"
GRIFCO TRANSPORTATION COMPANY**

TANK NO.
1 PORT OR STAR

OUTAGE TABLE

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

HULL NO. 4606

	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	4,884.30	4,563.01	4,218.39	3,856.15	3,490.58	3,125.21	2,759.83	2,394.46	2,029.08	1,663.70	1,298.33	932.95	567.65	224.46	0
1/4	1/4	4,879.02	4,558.01	4,213.39	3,851.15	3,485.58	3,120.21	2,754.83	2,389.46	2,024.08	1,658.70	1,293.33	927.64	562.08	219.76	0.47
1/2	1/2	4,873.75	4,552.01	4,207.39	3,846.15	3,476.58	3,110.21	2,749.83	2,384.46	2,019.08	1,653.70	1,288.33	922.95	556.76	215.04	0.43
3/4	3/4	4,868.47	4,547.01	4,197.39	3,837.15	3,467.58	3,101.21	2,744.83	2,379.46	2,014.08	1,648.70	1,283.33	918.24	552.04	210.32	0.40
1	1	4,863.20	4,535.01	4,188.39	3,828.15	3,459.58	3,094.21	2,739.83	2,374.46	2,009.08	1,643.70	1,278.33	913.52	547.12	205.60	0.36
1/4	1/4	4,858.40	4,530.01	4,183.39	3,819.15	3,450.58	3,085.21	2,734.83	2,369.46	2,004.08	1,638.70	1,273.33	908.80	542.20	200.88	0.32
1/2	1/2	4,849.60	4,521.01	4,174.39	3,810.15	3,441.58	3,076.21	2,729.83	2,364.46	2,000.08	1,634.70	1,268.33	904.08	537.28	196.16	0.29
3/4	3/4	4,842.79	4,514.01	4,166.64	3,802.70	3,433.30	3,067.92	2,724.16	2,359.75	1,995.81	1,630.42	1,263.33	899.56	532.24	191.52	0.25
2	2	4,835.99	4,507.01	4,158.25	3,795.06	3,424.69	3,058.34	2,719.46	2,355.16	1,991.16	1,626.16	1,258.33	895.04	527.20	186.88	0.22
1/4	1/4	4,829.29	4,499.21	4,149.21	3,785.45	3,415.08	3,048.70	2,714.16	2,350.46	1,986.46	1,622.16	1,253.33	890.52	522.16	182.24	0.18
1/2	1/2	4,822.58	4,492.21	4,142.21	3,776.45	3,407.08	3,040.70	2,709.16	2,345.76	1,981.76	1,618.16	1,248.33	886.00	517.12	177.60	0.14
3/4	3/4	4,815.87	4,485.21	4,135.21	3,768.45	3,400.08	3,032.70	2,703.83	2,341.06	1,977.06	1,614.16	1,243.33	881.48	512.08	173.04	0.11
3	3	4,809.16	4,478.21	4,128.29	3,759.45	3,391.01	3,024.70	2,698.56	2,336.36	1,972.36	1,610.16	1,238.33	876.96	507.04	168.48	0.07
1/4	1/4	4,802.46	4,471.21	4,121.29	3,750.45	3,382.01	3,016.70	2,693.86	2,331.66	1,967.66	1,606.16	1,233.33	872.44	502.00	163.84	0.04
1/2	1/2	4,795.75	4,464.21	4,114.29	3,741.45	3,373.01	3,008.70	2,689.16	2,326.96	1,962.96	1,602.16	1,228.33	867.92	496.96	159.20	0.00
3/4	3/4	4,789.04	4,457.21	4,107.29	3,732.45	3,364.01	3,000.70	2,684.46	2,322.26	1,958.26	1,598.16	1,223.33	863.40	491.92	154.56	0.00
4	4	4,782.34	4,450.21	4,099.33	3,723.45	3,355.01	2,992.70	2,679.76	2,317.56	1,953.56	1,594.16	1,218.33	858.88	486.96	150.00	0.00
1/4	1/4	4,775.63	4,443.21	4,092.33	3,714.45	3,346.01	2,984.70	2,675.06	2,312.86	1,948.86	1,590.16	1,213.33	854.36	481.92	145.36	0.00
1/2	1/2	4,768.92	4,436.21	4,085.33	3,705.45	3,337.01	2,976.70	2,670.36	2,308.16	1,944.16	1,586.16	1,208.33	849.84	476.96	140.72	0.00
3/4	3/4	4,762.22	4,429.21	4,078.33	3,696.45	3,328.01	2,968.70	2,665.66	2,303.46	1,939.46	1,582.16	1,203.33	845.32	471.92	136.08	0.00
5	5	4,755.51	4,422.21	4,069.33	3,687.45	3,319.01	2,960.70	2,660.96	2,298.76	1,934.76	1,578.16	1,198.33	840.80	466.96	131.44	0.00
1/4	1/4	4,748.80	4,415.21	4,061.33	3,678.45	3,310.01	2,952.70	2,656.26	2,294.06	1,930.06	1,574.16	1,193.33	836.28	461.92	126.80	0.00
1/2	1/2	4,742.10	4,408.21	4,052.33	3,669.45	3,301.01	2,944.70	2,651.56	2,289.36	1,925.36	1,570.16	1,188.33	831.76	456.96	122.16	0.00
3/4	3/4	4,735.40	4,401.21	4,043.33	3,660.45	3,292.01	2,936.70	2,646.86	2,284.66	1,920.66	1,566.16	1,183.33	827.24	451.92	117.52	0.00
6	6	4,728.69	4,394.21	4,034.33	3,651.45	3,283.01	2,928.70	2,642.16	2,280.06	1,915.96	1,562.16	1,178.33	822.72	446.96	112.88	0.00
1/4	1/4	4,722.00	4,387.21	4,025.33	3,642.45	3,274.01	2,920.70	2,637.46	2,275.36	1,911.26	1,558.16	1,173.33	818.20	441.92	108.24	0.00
1/2	1/2	4,715.30	4,380.21	4,016.33	3,633.45	3,265.01	2,912.70	2,632.76	2,270.66	1,906.56	1,554.16	1,168.33	813.68	436.96	103.60	0.00
3/4	3/4	4,708.60	4,373.21	4,007.33	3,624.45	3,256.01	2,904.70	2,628.06	2,265.96	1,901.86	1,550.16	1,163.33	809.16	431.92	98.96	0.00
7	7	4,701.89	4,366.21	3,998.33	3,615.45	3,247.01	2,896.70	2,623.36	2,261.26	1,897.16	1,546.16	1,158.33	804.64	426.96	94.32	0.00
1/4	1/4	4,695.19	4,359.21	3,989.33	3,606.45	3,238.01	2,888.70	2,618.66	2,256.56	1,892.46	1,542.16	1,153.33	800.12	421.92	89.68	0.00
1/2	1/2	4,688.49	4,352.21	3,980.33	3,597.45	3,229.01	2,880.70	2,613.96	2,251.86	1,887.76	1,538.16	1,148.33	795.60	416.96	85.04	0.00
3/4	3/4	4,681.79	4,345.21	3,971.33	3,588.45	3,220.01	2,872.70	2,609.26	2,247.16	1,883.06	1,534.16	1,143.33	791.08	411.92	80.40	0.00
8	8	4,675.08	4,338.21	3,962.33	3,579.45	3,211.01	2,864.70	2,604.56	2,242.46	1,878.36	1,530.16	1,138.33	786.56	406.96	75.76	0.00
1/4	1/4	4,668.38	4,331.21	3,953.33	3,570.45	3,202.01	2,856.70	2,600.86	2,237.76	1,873.66	1,526.16	1,133.33	782.04	401.92	71.12	0.00
1/2	1/2	4,661.68	4,324.21	3,944.33	3,561.45	3,193.01	2,848.70	2,596.16	2,233.06	1,868.96	1,522.16	1,128.33	777.52	396.96	66.48	0.00
3/4	3/4	4,655.00	4,317.21	3,935.33	3,552.45	3,184.01	2,840.70	2,591.46	2,228.36	1,864.26	1,518.16	1,123.33	773.00	391.92	61.84	0.00
9	9	4,648.29	4,310.21	3,926.33	3,543.45	3,175.01	2,832.70	2,586.76	2,223.66	1,859.56	1,514.16	1,118.33	768.48	386.96	57.20	0.00
1/4	1/4	4,641.59	4,303.21	3,917.33	3,534.45	3,166.01	2,824.70	2,582.06	2,218.96	1,854.86	1,510.16	1,113.33	763.96	381.92	52.56	0.00
1/2	1/2	4,634.89	4,296.21	3,908.33	3,525.45	3,157.01	2,816.70	2,577.36	2,214.26	1,850.16	1,506.16	1,108.33	759.44	376.96	47.92	0.00
3/4	3/4	4,628.19	4,289.21	3,899.33	3,516.45	3,148.01	2,808.70	2,572.66	2,209.56	1,845.46	1,502.16	1,103.33	754.92	371.92	43.28	0.00
10	10	4,621.48	4,282.21	3,890.33	3,507.45	3,139.01	2,800.70	2,567.96	2,204.86	1,840.76	1,498.16	1,098.33	750.40	366.96	38.64	0.00
1/4	1/4	4,614.78	4,275.21	3,881.33	3,498.45	3,130.01	2,792.70	2,563.26	2,200.16	1,836.06	1,494.16	1,093.33	745.88	361.92	34.00	0.00
1/2	1/2	4,608.08	4,268.21	3,872.33	3,489.45	3,121.01	2,784.70	2,558.56	2,195.46	1,831.36	1,490.16	1,088.33	741.36	356.96	29.36	0.00
3/4	3/4	4,601.38	4,261.21	3,863.33	3,480.45	3,112.01	2,776.70	2,553.86	2,190.76	1,826.66	1,486.16	1,083.33	736.84	351.92	24.72	0.00
11	11	4,594.67	4,254.21	3,854.33	3,471.45	3,103.01	2,768.70	2,549.16	2,186.06	1,821.96	1,482.16	1,078.33	732.32	346.96	20.08	0.00
1/4	1/4	4,587.97	4,247.21	3,845.33	3,462.45	3,094.01	2,760.70	2,544.46	2,181.36	1,817.26	1,478.16	1,073.33	727.80	341.92	15.44	0.00
1/2	1/2	4,581.27	4,240.21	3,836.33	3,453.45	3,085.01	2,752.70	2,539.76	2,176.66	1,812.56	1,474.16	1,068.33	723.28	336.96	10.80	0.00
3/4	3/4	4,574.57	4,233.21	3,827.33	3,444.45	3,076.01	2,744.70	2,535.06	2,171.96	1,807.86	1,470.16	1,063.33	718.76	331.92	6.16	0.00
12	12	4,567.86	4,226.21	3,818.33	3,435.45	3,067.01	2,736.70	2,530.36	2,167.26	1,803.16	1,466.16	1,058.33	714.24	326.96	1.52	0.00
1/4	1/4	4,561.16	4,219.21	3,809.33	3,426.45	3,058.01	2,728.70	2,525.66	2,162.56	1,798.46	1,462.16	1,053.33	709.72	321.92	0.88	0.00
1/2	1/2	4,554.46	4,212.21	3,800.33	3,417.45	3,049.01	2,720.70	2,520.96	2,157.86	1,793.76	1,458.16	1,048.33	705.20	316.96	0.24	0.00
3/4	3/4	4,547.75	4,205.21	3,791.33	3,408.45	3,040.01	2,712.70	2,516.26	2,153.16	1,789.06	1,454.16	1,043.33	700.68	311.92	0.60	0.00
13	13	4,541.05	4,198.21	3,782.33	3,399.45	3,031.01	2,704.70	2,511.56	2,148.46	1,784.36	1,450.16	1,038.33	696.16			



**BERGE "GRIFCO 3010"
GRIFCO TRANSPORTATION COMPANY**

**TANK NO.
2 PORT OR STAR**

OUTAGE TABLE

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

HULL NO. 4606

	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	4,954.56	4,633.42	4,288.91	3,926.43	3,558.99	3,191.55	2,824.11	2,456.67	2,089.23	1,721.79	1,354.35	986.91	619.47	256.45	0	
1/4	1/4	4,949.29	4,628.42	4,281.52	3,918.77	3,551.33	3,183.89	2,816.45	2,449.01	2,081.57	1,714.13	1,346.69	979.25	614.81	248.82	0.47	
1/2	1/2	4,944.02	4,619.42	4,274.13	3,911.12	3,543.68	3,176.24	2,808.80	2,441.36	2,073.92	1,706.48	1,339.04	971.60	604.16	241.16	0.43	
3/4	3/4	4,938.74	4,614.42	4,266.74	3,903.46	3,536.02	3,168.58	2,801.14	2,433.70	2,066.26	1,698.82	1,331.38	963.94	606.80	233.55	0.40	
1	1	4,933.47	4,605.43	4,259.35	3,895.81	3,528.37	3,160.93	2,793.49	2,426.05	2,058.61	1,691.17	1,323.73	956.29	598.85	225.91	0.36	
1/4	1/4	4,926.67	4,598.43	4,251.96	3,888.15	3,520.71	3,153.27	2,785.83	2,418.39	2,050.95	1,683.51	1,316.07	948.63	591.19	218.28	0.32	
1/2	1/2	4,919.87	4,591.43	4,244.57	3,880.50	3,513.06	3,145.62	2,778.18	2,410.74	2,043.30	1,675.86	1,308.42	940.98	573.54	210.64	0.29	
3/4	3/4	4,913.07	4,584.43	4,237.18	3,872.84	3,505.40	3,137.96	2,770.52	2,403.08	2,035.64	1,668.20	1,300.76	933.32	565.88	203.01	0.25	
2	2	4,906.27	4,577.43	4,229.79	3,865.19	3,497.75	3,130.31	2,762.87	2,395.43	2,027.99	1,660.56	1,293.11	925.67	558.23	195.37	0.22	
1/4	1/4	4,899.57	4,569.34	4,222.31	3,857.53	3,490.09	3,122.65	2,755.21	2,387.77	2,020.33	1,652.89	1,285.45	918.01	550.57	187.74	0.18	
1/2	1/2	4,892.86	4,563.24	4,214.82	3,849.88	3,482.44	3,115.00	2,747.56	2,380.12	2,012.68	1,645.24	1,277.80	910.36	542.92	180.10	0.14	
3/4	3/4	4,886.16	4,556.15	4,207.33	3,842.22	3,474.78	3,107.34	2,739.90	2,372.46	2,005.02	1,637.88	1,270.14	902.70	535.26	172.47	0.11	
3	3	4,879.45	4,549.05	4,199.84	3,834.57	3,467.13	3,099.69	2,732.25	2,365.81	1,997.37	1,629.93	1,262.49	895.05	527.61	164.83	0.07	
1/4	1/4	4,872.75	4,541.96	4,192.35	3,826.91	3,459.47	3,092.03	2,724.59	2,357.15	1,989.71	1,622.27	1,254.83	887.39	519.95	157.20	0.04	
1/2	1/2	4,866.05	4,534.86	4,184.87	3,819.26	3,451.82	3,084.38	2,716.94	2,349.50	1,982.06	1,614.62	1,247.18	879.74	512.30	149.56	0.00	
3/4	3/4	4,859.34	4,527.77	4,177.38	3,811.60	3,444.16	3,076.72	2,709.28	2,341.84	1,974.40	1,606.96	1,239.52	872.08	504.64	141.93	0.00	
4	4	4,852.64	4,520.67	4,169.89	3,803.95	3,436.51	3,069.07	2,701.63	2,334.19	1,966.75	1,600.31	1,231.87	864.43	496.99	134.29	0.00	
1/4	1/4	4,845.93	4,513.58	4,162.40	3,796.29	3,428.85	3,061.41	2,693.97	2,326.53	1,959.09	1,591.65	1,224.21	856.77	489.33	126.66	0.00	
1/2	1/2	4,839.23	4,506.48	4,154.91	3,788.64	3,421.20	3,053.76	2,686.32	2,318.88	1,951.44	1,584.00	1,216.56	849.12	481.68	119.02	0.00	
3/4	3/4	4,832.53	4,499.39	4,147.43	3,780.98	3,413.54	3,046.10	2,678.66	2,311.22	1,943.78	1,576.34	1,208.90	841.46	474.36	111.71	0.00	
5	5	4,825.82	4,492.29	4,139.94	3,773.33	3,405.89	3,038.45	2,671.01	2,303.57	1,936.13	1,568.69	1,201.25	833.81	467.04	104.39	0.00	
1/4	1/4	4,819.02	4,485.10	4,132.35	3,765.67	3,398.23	3,030.79	2,663.35	2,295.81	1,928.47	1,561.03	1,193.59	826.15	459.73	97.08	0.00	
1/2	1/2	4,812.22	4,477.91	4,124.77	3,758.02	3,390.58	3,023.14	2,655.70	2,288.26	1,920.82	1,553.38	1,185.94	818.50	452.14	89.76	0.00	
3/4	3/4	4,805.42	4,470.71	4,117.18	3,750.36	3,382.92	3,015.48	2,648.04	2,280.60	1,913.16	1,545.72	1,178.28	810.84	445.10	82.44	0.00	
6	6	4,798.62	4,463.52	4,109.59	3,742.71	3,375.27	3,007.83	2,640.39	2,272.95	1,905.51	1,538.07	1,170.63	803.19	437.78	75.13	0.00	
1/4	1/4	4,791.82	4,456.32	4,102.01	3,735.05	3,367.61	3,000.17	2,632.73	2,265.29	1,897.85	1,530.41	1,162.97	795.53	430.46	67.81	0.00	
1/2	1/2	4,785.02	4,449.13	4,094.42	3,727.40	3,359.96	2,992.52	2,625.08	2,257.64	1,890.20	1,522.76	1,155.32	787.88	423.15	60.50	0.00	
3/4	3/4	4,778.22	4,441.94	4,086.64	3,719.74	3,352.30	2,984.86	2,617.42	2,249.98	1,882.54	1,515.10	1,147.66	780.22	415.83	54.13	0.00	
7	7	4,771.41	4,434.74	4,079.25	3,712.09	3,344.65	2,977.21	2,609.77	2,242.33	1,874.89	1,507.45	1,140.01	772.57	408.52	47.77	0.00	
1/4	1/4	4,764.61	4,427.55	4,071.96	3,704.43	3,336.99	2,969.55	2,602.11	2,234.67	1,867.23	1,499.79	1,132.35	764.91	401.20	41.41	0.00	
1/2	1/2	4,757.81	4,420.35	4,064.08	3,696.78	3,329.34	2,961.90	2,594.46	2,227.02	1,859.58	1,492.14	1,124.70	757.26	393.88	35.05	0.00	
3/4	3/4	4,751.01	4,413.16	4,056.49	3,689.12	3,321.68	2,954.24	2,586.80	2,219.36	1,851.92	1,484.48	1,117.04	749.60	386.25	30.28	0.00	
8	8	4,744.21	4,405.97	4,048.91	3,681.47	3,314.03	2,946.59	2,579.15	2,211.71	1,844.27	1,476.83	1,109.39	741.95	378.61	25.51	0.00	
1/4	1/4	4,737.31	4,398.68	4,041.25	3,673.81	3,306.37	2,938.93	2,571.49	2,204.05	1,836.61	1,469.17	1,101.73	734.28	370.96	20.74	0.00	
1/2	1/2	4,730.41	4,391.38	4,033.60	3,666.16	3,298.72	2,931.28	2,563.84	2,196.40	1,828.96	1,461.52	1,094.08	726.64	363.34	15.97	0.00	
3/4	3/4	4,723.51	4,384.09	4,025.94	3,658.50	3,291.06	2,923.62	2,556.18	2,188.74	1,821.30	1,453.86	1,086.42	718.98	355.71	13.11	0.00	
9	9	4,961.17	4,716.61	4,376.80	4,018.29	3,660.85	3,283.41	2,919.97	2,548.53	2,181.09	1,813.65	1,446.21	1,078.77	711.33	348.07	10.25	0.00
1/4	1/4	4,960.48	4,709.71	4,369.51	4,010.63	3,653.19	3,275.75	2,908.31	2,540.67	2,173.43	1,805.99	1,438.55	1,071.11	703.67	340.44	7.39	0.00
1/2	1/2	4,979.79	4,702.81	4,362.22	4,002.98	3,635.54	3,268.10	2,900.66	2,533.22	2,165.78	1,798.34	1,430.90	1,063.46	696.02	332.80	4.53	0.00
3/4	3/4	4,979.10	4,695.91	4,354.93	3,995.32	3,627.88	3,260.44	2,893.00	2,525.56	2,158.12	1,790.68	1,423.24	1,055.80	688.36	325.17	3.58	0.00
10	10	4,978.41	4,689.01	4,347.64	4,000.23	3,620.23	3,252.79	2,885.35	2,517.91	2,150.47	1,783.03	1,415.59	1,048.15	680.71	317.53	2.62	0.00
1/4	1/4	4,976.20	4,682.11	4,340.35	3,990.01	3,612.57	3,245.13	2,877.69	2,510.25	2,142.81	1,775.37	1,407.93	1,040.49	673.05	309.90	1.67	0.00
1/2	1/2	4,973.98	4,675.21	4,333.06	3,972.36	3,604.92	3,237.48	2,870.04	2,502.60	2,135.16	1,767.72	1,400.28	1,032.84	665.40	302.26	0.72	0.00
3/4	3/4	4,971.76	4,668.31	4,325.77	3,964.70	3,597.26	3,229.82	2,862.38	2,494.94	2,127.50	1,760.08	1,392.62	1,025.18	657.74	294.63	0.68	0.00
11	11	4,969.54	4,661.41	4,318.47	3,957.05	3,589.61	3,222.17	2,854.73	2,487.29	2,119.85	1,752.41	1,384.97	1,017.53	650.05	286.99	0.65	0.00
1/4	1/4	4,966.80	4,654.41	4,311.08	3,949.39	3,581.95	3,214.61	2,847.07	2,479.63	2,112.19	1,744.75	1,377.31	1,009.87	642.43	279.36	0.61	0.00
1/2	1/2	4,962.95	4,647.41	4,303.69	3,941.74	3,574.30	3,208.86	2,839.42	2,471.98	2,104.54	1,737.10	1,369.66	1,002.22	634.78	271.72	0.58	0.00
3/4	3/4	4,958.31	4,640.42	4,296.30	3,934.08	3,566.64	3,199.20	2,831.76	2,464.32	2,098.88	1,729.44	1,362.00	994.56	627.12	264.09	0.54	0.00

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

STRAPPED: 84/08

REFERENCE GAUGE HEIGHT: 16'-3 1/2" (TO RIM OF HATCH LOCATED ON 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.

[Signature]
INSPECTORATE AMERICA CORPORATION



BARGE "GRIFCO 3010"
GRIFCO TRANSPORTATION COMPANY

TANK NO.
3 PORT OR STAR

OUTAGE TABLE

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

HULL NO. 4806

	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	4,233.20	4,059.43	3,873.46	3,678.08	3,472.88	3,122.32	2,757.04	2,381.76	2,026.48	1,661.20	1,295.92	930.64	565.36	204.42	0
1/4	1/4	4,230.32	4,055.65	3,869.47	3,673.96	3,467.32	3,114.71	2,749.43	2,384.15	2,018.87	1,653.59	1,288.31	923.03	557.75	196.83	0.43
1/2	1/2	4,227.45	4,051.87	3,865.48	3,669.84	3,461.75	3,107.10	2,741.82	2,376.54	2,011.26	1,645.98	1,280.70	916.42	550.14	189.24	0.43
3/4	3/4	4,224.58	4,048.09	3,861.49	3,665.73	3,455.61	3,099.49	2,734.21	2,368.93	2,003.65	1,638.37	1,273.09	907.81	542.53	181.64	0.40
1	1	4,221.67	4,044.31	3,857.50	3,661.61	3,449.46	3,091.88	2,726.60	2,361.32	1,996.04	1,630.76	1,268.48	900.20	534.92	174.05	0.36
1/4	1/4	4,217.96	4,040.53	3,853.52	3,657.49	3,443.32	3,084.27	2,719.99	2,353.71	1,988.43	1,623.15	1,257.87	892.59	527.31	166.46	0.32
1/2	1/2	4,214.26	4,036.75	3,849.53	3,653.37	3,437.17	3,076.66	2,711.39	2,346.10	1,980.62	1,615.56	1,250.26	884.98	519.70	158.86	0.29
3/4	3/4	4,210.55	4,032.98	3,845.54	3,649.25	3,430.45	3,069.05	2,703.77	2,336.49	1,973.21	1,607.93	1,242.65	877.37	512.09	151.27	0.25
2	2	4,206.84	4,028.20	3,841.55	3,645.14	3,423.72	3,061.44	2,696.16	2,330.88	1,965.60	1,600.32	1,235.04	869.76	504.48	143.68	0.22
1/4	1/4	4,203.22	4,024.37	3,837.51	3,641.02	3,417.00	3,053.83	2,688.55	2,323.27	1,957.99	1,592.74	1,227.43	862.15	496.87	136.09	0.18
1/2	1/2	4,199.60	4,021.53	3,833.47	3,636.90	3,410.28	3,046.22	2,680.94	2,315.66	1,950.38	1,585.10	1,219.82	854.54	489.26	128.49	0.14
3/4	3/4	4,195.98	4,017.70	3,829.43	3,632.78	3,402.97	3,038.61	2,673.33	2,308.05	1,942.77	1,577.49	1,212.21	846.93	481.65	120.90	0.11
3	3	4,192.35	4,013.87	3,825.39	3,628.66	3,395.67	3,031.00	2,665.72	2,300.44	1,935.16	1,569.88	1,204.60	839.32	474.04	113.31	0.07
1/4	1/4	4,188.73	4,010.04	3,821.35	3,624.55	3,388.37	3,023.39	2,658.11	2,292.83	1,927.55	1,562.27	1,196.99	831.71	466.43	105.71	0.04
1/2	1/2	4,185.11	4,006.21	3,817.31	3,620.43	3,381.06	3,018.78	2,650.50	2,285.22	1,919.94	1,554.66	1,189.38	824.10	458.82	98.12	0.00
3/4	3/4	4,181.48	4,002.38	3,813.27	3,616.31	3,373.45	3,006.17	2,642.89	2,277.61	1,912.33	1,547.05	1,181.77	816.49	451.21	90.53	0.00
4	4	4,177.86	3,998.55	3,809.23	3,612.19	3,365.84	3,000.56	2,635.28	2,270.00	1,904.72	1,539.44	1,174.16	808.88	443.60	82.93	0.00
1/4	1/4	4,174.24	3,994.72	3,805.19	3,608.07	3,359.23	2,992.95	2,627.67	2,262.39	1,897.11	1,531.83	1,166.55	801.27	435.99	75.34	0.00
1/2	1/2	4,170.61	3,990.89	3,801.15	3,603.96	3,350.62	2,985.34	2,620.06	2,254.78	1,889.50	1,524.22	1,158.94	793.66	428.38	67.75	0.00
3/4	3/4	4,166.99	3,987.06	3,797.11	3,599.84	3,343.91	2,977.73	2,612.45	2,247.47	1,881.88	1,516.61	1,151.33	786.05	421.11	60.25	0.00
5	5	4,163.37	3,983.22	3,793.07	3,595.72	3,335.40	2,970.12	2,604.84	2,239.56	1,874.28	1,509.00	1,143.72	778.44	413.84	52.56	0.00
1/4	1/4	4,159.89	3,979.34	3,788.98	3,591.60	3,327.79	2,962.51	2,597.23	2,231.95	1,866.67	1,501.39	1,136.11	770.83	406.56	45.27	0.00
1/2	1/2	4,156.02	3,975.46	3,784.89	3,587.48	3,320.18	2,954.90	2,589.62	2,224.34	1,859.06	1,493.78	1,128.50	763.22	399.29	37.37	0.00
3/4	3/4	4,152.34	3,971.58	3,780.80	3,583.37	3,312.57	2,947.29	2,582.01	2,216.73	1,851.45	1,486.17	1,120.89	755.61	392.01	30.24	0.00
6	6	4,148.67	3,967.69	3,776.70	3,579.25	3,304.96	2,939.68	2,574.40	2,209.12	1,843.94	1,478.56	1,113.28	748.00	384.74	22.56	0.00
1/4	1/4	4,144.89	3,963.81	3,772.61	3,575.13	3,297.35	2,932.07	2,566.79	2,201.51	1,836.23	1,470.95	1,105.67	740.39	377.47	15.04	0.00
1/2	1/2	4,141.32	3,959.83	3,768.52	3,571.01	3,289.74	2,924.46	2,559.18	2,193.90	1,828.62	1,463.34	1,098.06	732.78	370.19	8.03	0.00
3/4	3/4	4,137.64	3,956.04	3,764.43	3,566.89	3,282.13	2,916.85	2,551.57	2,186.29	1,821.01	1,455.73	1,090.45	725.17	362.92	1.00	0.00
7	7	4,133.97	3,952.16	3,760.34	3,562.78	3,274.52	2,909.24	2,543.96	2,178.88	1,813.40	1,448.12	1,082.84	717.56	355.64	0.00	0.00
1/4	1/4	4,130.29	3,948.28	3,756.24	3,558.66	3,266.91	2,901.63	2,536.35	2,171.07	1,805.79	1,440.51	1,075.23	709.95	348.37	0.00	0.00
1/2	1/2	4,126.52	3,944.39	3,752.15	3,554.54	3,259.36	2,894.02	2,528.74	2,163.46	1,798.18	1,432.90	1,067.62	702.34	341.10	0.00	0.00
3/4	3/4	4,122.84	3,940.51	3,748.06	3,550.42	3,251.89	2,886.41	2,521.13	2,155.85	1,790.57	1,425.29	1,060.01	694.73	333.50	0.00	0.00
8	8	4,119.27	3,936.63	3,743.97	3,546.30	3,244.06	2,878.90	2,513.62	2,148.24	1,782.96	1,417.68	1,052.40	687.12	325.91	0.00	0.00
1/4	1/4	4,115.54	3,932.69	3,739.85	3,542.19	3,236.47	2,871.15	2,505.91	2,140.63	1,775.35	1,410.07	1,044.79	679.51	318.32	0.00	0.00
1/2	1/2	4,111.81	3,928.76	3,735.73	3,538.07	3,228.86	2,863.58	2,498.30	2,133.02	1,767.74	1,402.46	1,037.18	671.90	310.72	0.00	0.00
3/4	3/4	4,108.09	3,924.82	3,731.61	3,533.95	3,221.25	2,855.97	2,490.69	2,125.41	1,760.13	1,394.85	1,025.57	664.29	303.13	0.00	0.00
9	9	4,248.02	4,104.36	3,920.89	3,727.50	3,529.83	3,213.64	2,848.36	2,483.08	2,117.80	1,752.52	1,387.24	1,021.96	656.69	295.64	0.00
1/4	1/4	4,247.61	4,100.63	3,916.85	3,723.38	3,525.71	3,206.03	2,840.75	2,475.47	2,110.19	1,744.91	1,379.63	1,014.35	649.07	287.95	0.00
1/2	1/2	4,247.20	4,096.91	3,913.02	3,719.26	3,521.60	3,198.42	2,833.14	2,467.86	2,102.58	1,737.30	1,372.02	1,006.74	641.46	280.35	0.00
3/4	3/4	4,246.79	4,093.18	3,909.08	3,715.14	3,517.19	3,190.81	2,825.53	2,460.25	2,100.97	1,729.68	1,364.41	998.13	633.85	272.76	0.00
10	10	4,246.38	4,089.45	3,905.15	3,711.02	3,512.78	3,183.20	2,817.92	2,452.64	2,087.36	1,722.08	1,356.80	991.52	626.24	265.17	0.00
1/4	1/4	4,245.14	4,085.73	3,901.21	3,706.91	3,508.37	3,175.59	2,810.31	2,445.03	2,073.75	1,714.47	1,349.19	983.91	618.63	257.57	0.00
1/2	1/2	4,243.91	4,082.00	3,897.28	3,702.79	3,503.86	3,167.98	2,802.70	2,437.42	2,072.14	1,706.86	1,341.58	976.30	611.02	249.98	0.00
3/4	3/4	4,242.67	4,078.27	3,893.34	3,698.67	3,499.98	3,160.37	2,795.09	2,425.81	2,064.53	1,699.25	1,333.97	968.69	603.41	242.39	0.00
11	11	4,241.44	4,074.54	3,889.41	3,694.55	3,493.99	3,152.76	2,787.48	2,422.20	2,059.82	1,691.64	1,326.36	961.08	595.90	234.79	0.00
1/4	1/4	4,239.98	4,070.77	3,885.42	3,689.43	3,489.00	3,146.15	2,779.87	2,414.59	2,049.31	1,684.03	1,319.75	953.47	588.19	227.20	0.00
1/2	1/2	4,237.52	4,066.99	3,881.43	3,684.62	3,484.02	3,137.54	2,772.26	2,406.98	2,047.10	1,676.42	1,311.14	945.86	580.58	219.61	0.00
3/4	3/4	4,235.26	4,063.21	3,877.44	3,680.20	3,478.45	3,129.83	2,764.65	2,399.37	2,034.09	1,668.81	1,303.53	938.25	572.97	212.02	0.00

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

REFERENCE GAUGE HEIGHT : 16'-3 1/2" (TO RIM OF HATCH LOCATED ON EXPANSION TRUNK)

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