



BARGE "KIRBY 21853"

PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

FORMERLY "KEX 2500"

GAUGE HEIGHT 22'-09"

4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		10 FT.		11 FT.		12 FT.		13 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN			
0		0	10,888.79	0	10,602.43	0	10,157.40	0	9,609.14	0	8,985.14	0	8,304.19	0	7,580.95	0	6,828.00	0	6,056.57		
1/4		1/4	10,885.15	1/4	10,594.39	1/4	10,146.85	1/4	9,596.79	1/4	8,971.44	1/4	8,289.48	1/4	7,565.51	1/4	6,812.07	1/4	6,040.37		
1/2		1/2	10,881.51	1/2	10,586.35	1/2	10,136.29	1/2	9,584.44	1/2	8,957.74	1/2	8,274.76	1/2	7,550.06	1/2	6,796.14	1/2	6,024.17		
3/4		3/4	10,877.87	3/4	10,578.30	3/4	10,125.73	3/4	9,572.09	3/4	8,944.04	3/4	8,260.05	3/4	7,534.61	3/4	6,780.21	3/4	6,007.96		
1		1	10,874.24	1	10,570.26	1	10,115.17	1	9,559.74	1	8,930.33	1	8,245.33	1	7,519.17	1	6,764.29	1	5,991.76		
1/4		1/4	10,870.03	1/4	10,561.98	1/4	10,104.45	1/4	9,547.26	1/4	8,916.54	1/4	8,230.55	1/4	7,503.67	1/4	6,748.32	1/4	5,975.55		
1/2		1/2	10,865.82	1/2	10,553.69	1/2	10,093.73	1/2	9,534.79	1/2	8,902.74	1/2	8,215.77	1/2	7,488.18	1/2	6,732.36	1/2	5,959.35		
3/4		3/4	10,861.61	3/4	10,545.40	3/4	10,083.01	3/4	9,522.31	3/4	8,888.94	3/4	8,200.99	3/4	7,472.68	3/4	6,716.39	3/4	5,943.14		
2		2	10,857.40	2	10,537.12	2	10,072.29	2	9,509.83	2	8,875.14	2	8,186.21	2	7,457.19	2	6,700.43	2	5,926.93		
1/4		1/4	10,852.71	1/4	10,528.58	1/4	10,061.39	1/4	9,497.23	1/4	8,861.26	1/4	8,171.36	1/4	7,441.65	1/4	6,684.43	1/4	5,910.71		
1/2		1/2	10,848.01	1/2	10,520.05	1/2	10,050.50	1/2	9,484.62	1/2	8,847.37	1/2	8,156.51	1/2	7,426.11	1/2	6,668.43	1/2	5,894.49		
3/4		3/4	10,843.32	3/4	10,511.51	3/4	10,039.61	3/4	9,472.01	3/4	8,833.48	3/4	8,141.66	3/4	7,410.57	3/4	6,652.43	3/4	5,878.27		
3		3	10,838.62	3	10,502.98	3	10,028.71	3	9,459.40	3	8,819.60	3	8,126.81	3	7,395.02	3	6,636.43	3	5,862.05		
1/4		1/4	10,833.43	1/4	10,494.21	1/4	10,017.66	1/4	9,446.68	1/4	8,805.62	1/4	8,111.89	1/4	7,379.44	1/4	6,620.41	1/4	5,845.82		
1/2		1/2	10,828.24	1/2	10,485.45	1/2	10,006.61	1/2	9,433.95	1/2	8,791.64	1/2	8,096.98	1/2	7,363.86	1/2	6,604.39	1/2	5,829.60		
3/4		3/4	10,823.05	3/4	10,476.69	3/4	9,995.55	3/4	9,421.23	3/4	8,777.67	3/4	8,082.06	3/4	7,348.27	3/4	6,588.38	3/4	5,813.37		
4		4	10,817.86	4	10,467.93	4	9,984.50	4	9,408.50	4	8,763.69	4	8,067.14	4	7,332.69	4	6,572.36	4	5,797.14		
1/4		1/4	10,812.31	1/4	10,458.94	1/4	9,973.29	1/4	9,395.65	1/4	8,749.63	1/4	8,052.16	1/4	7,317.06	1/4	6,556.32	1/4	5,780.90		
1/2		1/2	10,806.76	1/2	10,449.95	1/2	9,962.07	1/2	9,382.81	1/2	8,735.56	1/2	8,037.18	1/2	7,301.43	1/2	6,540.27	1/2	5,764.67		
3/4		3/4	10,801.21	3/4	10,440.96	3/4	9,950.86	3/4	9,369.96	3/4	8,721.49	3/4	8,022.20	3/4	7,285.80	3/4	6,524.23	3/4	5,748.43		
5		5	10,795.67	5	10,431.98	5	9,939.64	5	9,357.12	5	8,707.43	5	8,007.21	5	7,270.17	5	6,508.19	5	5,732.19		
1/4		1/4	10,789.74	1/4	10,422.77	1/4	9,928.27	1/4	9,344.16	1/4	8,693.27	1/4	7,992.17	1/4	7,254.49	1/4	6,492.13	1/4	5,715.95		
1/2		1/2	10,783.82	1/2	10,413.56	1/2	9,916.90	1/2	9,331.20	1/2	8,679.12	1/2	7,977.12	1/2	7,238.82	1/2	6,476.06	1/2	5,699.70		
3/4		3/4	10,777.90	3/4	10,404.35	3/4	9,905.54	3/4	9,318.24	3/4	8,664.96	3/4	7,962.07	3/4	7,223.15	3/4	6,459.99	3/4	5,683.46		
6		6	10,771.98	6	10,395.14	6	9,894.17	6	9,305.29	6	8,650.81	6	7,947.02	6	7,207.48	6	6,443.93	6	5,667.21		
1/4		1/4	10,765.70	1/4	10,385.73	1/4	9,882.64	1/4	9,292.21	1/4	8,636.57	1/4	7,931.92	1/4	7,191.76	1/4	6,427.83	1/4	5,650.96		
1/2		1/2	10,759.42	1/2	10,376.31	1/2	9,871.12	1/2	9,279.14	1/2	8,622.32	1/2	7,916.81	1/2	7,176.04	1/2	6,411.74	1/2	5,634.71		
3/4		3/4	10,753.14	3/4	10,366.89	3/4	9,859.60	3/4	9,266.07	3/4	8,608.08	3/4	7,901.70	3/4	7,160.32	3/4	6,395.64	3/4	5,618.46		
7		7	10,746.86	7	10,357.48	7	9,848.07	7	9,253.00	7	8,593.83	7	7,886.60	7	7,144.60	7	6,379.55	7	5,602.21		
1/4		1/4	10,740.25	1/4	10,347.86	1/4	9,836.40	1/4	9,239.82	1/4	8,579.51	1/4	7,871.43	1/4	7,128.84	1/4	6,363.43	1/4	5,585.98		
1/2		1/2	10,733.64	1/2	10,338.24	1/2	9,824.74	1/2	9,226.64	1/2	8,565.18	1/2	7,856.26	1/2	7,113.08	1/2	6,347.32	1/2	5,569.75		
3/4		3/4	10,727.04	3/4	10,328.62	3/4	9,813.07	3/4	9,213.46	3/4	8,550.85	3/4	7,841.10	3/4	7,097.33	3/4	6,331.21	3/4	5,553.52		
8		8	10,720.43	8	10,319.00	8	9,801.40	8	9,200.29	8	8,536.52	8	7,825.93	8	7,081.57	8	6,315.10	8	5,537.29		
1/4		1/4	10,713.50	1/4	10,309.18	1/4	9,789.60	1/4	9,186.99	1/4	8,522.12	1/4	7,810.70	1/4	7,065.77	1/4	6,298.96	1/4	5,521.07		
1/2		1/2	10,706.57	1/2	10,299.36	1/2	9,777.79	1/2	9,173.70	1/2	8,507.71	1/2	7,795.48	1/2	7,049.98	1/2	6,282.83	1/2	5,504.84		
3/4		3/4	10,699.64	3/4	10,289.54	3/4	9,765.98	3/4	9,160.41	3/4	8,493.31	3/4	7,780.25	3/4	7,034.18	3/4	6,266.70	3/4	5,488.62		
9		9	10,692.71	9	10,279.71	9	9,754.17	9	9,147.12	9	8,478.90	9	7,765.02	9	7,018.38	9	6,250.57	9	5,472.40		
1/4		1/4	10,685.42	1/4	10,269.71	1/4	9,742.21	1/4	9,133.73	1/4	8,464.42	1/4	7,749.74	1/4	7,002.55	1/4	6,234.42	1/4	5,456.18		
1/2		1/2	10,910.95	1/2	10,678.13	1/2	10,259.70	1/2	9,730.26	1/2	9,120.33	1/2	8,449.94	1/2	7,734.45	1/2	6,986.73	1/2	6,218.27	1/2	5,439.96
3/4		3/4	10,909.95	3/4	10,670.84	3/4	10,249.70	3/4	9,718.31	3/4	9,106.94	3/4	8,435.46	3/4	7,719.17	3/4	6,970.90	3/4	6,202.13	3/4	5,423.74
10		10	10,908.95	10	10,663.55	10	10,239.69	10	9,706.36	10	9,093.55	10	8,420.98	10	7,703.88	10	6,955.07	10	6,185.98	10	5,407.52
1/4		1/4	10,906.88	1/4	10,656.04	1/4	10,229.49	1/4	9,694.27	1/4	9,080.05	1/4	8,406.42	1/4	7,688.54	1/4	6,939.20	1/4	6,169.80	1/4	5,391.30
1/2		1/2	10,904.81	1/2	10,648.54	1/2	10,219.30	1/2	9,682.19	1/2	9,066.55	1/2	8,391.86	1/2	7,673.20	1/2	6,923.33	1/2	6,153.63	1/2	5,375.08
3/4		3/4	10,902.74	3/4	10,641.03	3/4	10,209.10	3/4	9,670.11	3/4	9,053.05	3/4	8,377.30	3/4	7,657.86	3/4	6,907.46	3/4	6,137.46	3/4	5,358.86
11		11	10,900.67	11	10,633.52	11	10,198.90	11	9,658.02	11	9,039.55	11	8,362.74	11	7,642.52	11	6,891.60	11	6,121.29	11	5,342.64
1/4		1/4	10,897.70	1/4	10,625.75	1/4	10,188.53	1/4	9,645.80	1/4	9,025.95	1/4	8,348.10	1/4	7,627.13	1/4	6,875.70	1/4	6,105.11	1/4	5,326.39
1/2		1/2	10,894.73	1/2	10,617.98	1/2	10,178.15	1/2	9,633.58	1/2	9,012.35	1/2	8,333.46	1/2	7,611.74	1/2	6,859.80	1/2	6,088.93	1/2	5,310.14
3/4		3/4	10,891.76	3/4	10,610.20	3/4	10,167.78	3/4	9,621.36	3/4	8,998.74	3/4	8,318.83	3/4	7,596.35	3/4	6,843.90	3/4	6,072.75	3/4	5,293.89

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE
 CAPACITY TABLE RECOMPUTED DUE TO CHANGE IN GAUGE HEIGHT ELEVATION SUBMITTED 3-21-01
 GAUGE POINT: (HERMETIC) LOCATED AT CENTER OF TANK.
 CAPACITIES ALLOW FOR OPERATING TEMPERATURE OF -28 DEGREES F

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BARGE "KIRBY 21853"

PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

FORMERLY "KEX 2500"

GAUGE HEIGHT 22'-09"

14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.		20 FT.		21 FT.		22 FT.		23 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	5,277.64	0	4,500.62	0	3,736.33	0	2,995.55	0	2,290.05	0	1,633.21	0	1,041.24	0	536.05	0	152.60	0	
1/4	5,261.39	1/4	4,484.53	1/4	3,720.61	1/4	2,980.44	1/4	2,275.80	1/4	1,620.14	1/4	1,029.71	1/4	526.63	1/4	146.49	1/4	
1/2	5,245.14	1/2	4,468.44	1/2	3,704.89	1/2	2,965.33	1/2	2,261.56	1/2	1,607.07	1/2	1,018.19	1/2	517.21	1/2	140.38	1/2	
3/4	5,228.89	3/4	4,452.35	3/4	3,689.17	3/4	2,950.23	3/4	2,247.32	3/4	1,594.00	3/4	1,006.67	3/4	507.80	3/4	134.27	3/4	
1	5,212.64	1	4,436.26	1	3,673.45	1	2,935.12	1	2,233.07	1	1,580.93	1	995.14	1	498.38	1	128.17	1	
1/4	5,196.40	1/4	4,420.22	1/4	3,657.82	1/4	2,920.14	1/4	2,219.01	1/4	1,568.08	1/4	983.93	1/4	489.39	1/4	122.43	1/4	
1/2	5,180.17	1/2	4,404.18	1/2	3,642.19	1/2	2,905.15	1/2	2,204.94	1/2	1,555.24	1/2	972.71	1/2	480.39	1/2	116.69	1/2	
3/4	5,163.93	3/4	4,388.14	3/4	3,626.56	3/4	2,890.17	3/4	2,190.88	3/4	1,542.39	3/4	961.50	3/4	471.40	3/4	110.95	3/4	
2	5,147.69	2	4,372.10	2	3,610.93	2	2,875.19	2	2,176.81	2	1,529.55	2	950.29	2	462.40	2	105.21	2	
1/4	5,131.46	1/4	4,356.05	1/4	3,595.30	1/4	2,860.21	1/4	2,162.74	1/4	1,516.70	1/4	939.07	1/4	453.42	1/4	99.86	1/4	
1/2	5,115.23	1/2	4,340.00	1/2	3,579.67	1/2	2,845.23	1/2	2,148.67	1/2	1,503.86	1/2	927.86	1/2	444.43	1/2	94.50	1/2	
3/4	5,098.99	3/4	4,323.95	3/4	3,564.04	3/4	2,830.24	3/4	2,134.60	3/4	1,491.01	3/4	916.64	3/4	435.44	3/4	89.14	3/4	
3	5,082.76	3	4,307.90	3	3,548.40	3	2,815.26	3	2,120.52	3	1,478.17	3	905.43	3	426.45	3	83.79	3	
1/4	5,066.54	1/4	4,291.91	1/4	3,532.86	1/4	2,800.41	1/4	2,106.64	1/4	1,465.56	1/4	894.54	1/4	417.92	1/4	78.86	1/4	
1/2	5,050.31	1/2	4,275.92	1/2	3,517.32	1/2	2,785.56	1/2	2,092.75	1/2	1,452.95	1/2	883.64	1/2	409.38	1/2	73.94	1/2	
3/4	5,034.08	3/4	4,259.92	3/4	3,501.78	3/4	2,770.71	3/4	2,078.86	3/4	1,440.35	3/4	872.75	3/4	400.85	3/4	69.02	3/4	
4	5,017.86	4	4,243.93	4	3,486.24	4	2,755.86	4	2,064.98	4	1,427.74	4	861.86	4	392.31	4	64.10	4	
1/4	5,001.64	1/4	4,227.93	1/4	3,470.70	1/4	2,741.00	1/4	2,051.09	1/4	1,415.14	1/4	850.97	1/4	383.78	1/4	59.64	1/4	
1/2	4,985.42	1/2	4,211.94	1/2	3,455.17	1/2	2,726.14	1/2	2,037.20	1/2	1,402.54	1/2	840.08	1/2	375.25	1/2	55.18	1/2	
3/4	4,969.20	3/4	4,195.95	3/4	3,439.63	3/4	2,711.29	3/4	2,023.32	3/4	1,389.93	3/4	829.20	3/4	366.72	3/4	50.72	3/4	
5	4,952.98	5	4,179.95	5	3,424.10	5	2,696.43	5	2,009.43	5	1,377.33	5	818.31	5	358.19	5	46.26	5	
1/4	4,936.78	1/4	4,164.02	1/4	3,408.65	1/4	2,681.72	1/4	1,995.73	1/4	1,364.98	1/4	807.75	1/4	350.15	1/4	42.33	1/4	
1/2	4,920.58	1/2	4,148.08	1/2	3,393.20	1/2	2,667.01	1/2	1,982.02	1/2	1,352.63	1/2	797.19	1/2	342.11	1/2	38.39	1/2	
3/4	4,904.39	3/4	4,132.15	3/4	3,377.76	3/4	2,652.30	3/4	1,968.32	3/4	1,340.28	3/4	786.63	3/4	334.07	3/4	34.46	3/4	
6	4,888.19	6	4,116.21	6	3,362.31	6	2,637.60	6	1,954.62	6	1,327.93	6	776.07	6	326.02	6	30.52	6	
1/4	4,871.99	1/4	4,100.29	1/4	3,346.86	1/4	2,622.89	1/4	1,940.92	1/4	1,315.58	1/4	765.51	1/4	317.98	1/4	27.21	1/4	
1/2	4,855.80	1/2	4,084.36	1/2	3,331.42	1/2	2,608.18	1/2	1,927.23	1/2	1,303.23	1/2	754.95	1/2	309.94	1/2	23.89	1/2	
3/4	4,839.60	3/4	4,068.43	3/4	3,315.97	3/4	2,593.47	3/4	1,913.53	3/4	1,290.88	3/4	744.39	3/4	301.90	3/4	20.58	3/4	
7	4,823.40	7	4,052.50	7	3,300.52	7	2,578.76	7	1,899.83	7	1,278.52	7	733.83	7	293.86	7	17.26	7	
1/4	4,807.24	1/4	4,036.63	1/4	3,285.18	1/4	2,564.20	1/4	1,886.33	1/4	1,266.43	1/4	723.64	1/4	286.35	1/4	14.70	1/4	
1/2	4,791.07	1/2	4,020.76	1/2	3,269.85	1/2	2,549.63	1/2	1,872.83	1/2	1,254.35	1/2	713.44	1/2	278.85	1/2	12.14	1/2	
3/4	4,774.90	3/4	4,004.89	3/4	3,254.51	3/4	2,535.07	3/4	1,859.33	3/4	1,242.26	3/4	703.24	3/4	271.34	3/4	9.58	3/4	
8	4,758.74	8	3,989.02	8	3,239.17	8	2,520.50	8	1,845.83	8	1,230.17	8	693.05	8	263.83	8	7.02	8	
1/4	4,742.57	1/4	3,973.16	1/4	3,223.83	1/4	2,505.94	1/4	1,832.33	1/4	1,218.08	1/4	682.85	1/4	256.33	1/4	5.62	1/4	
1/2	4,726.39	1/2	3,957.30	1/2	3,208.49	1/2	2,491.38	1/2	1,818.83	1/2	1,206.00	1/2	672.65	1/2	248.82	1/2	4.21	1/2	
3/4	4,710.22	3/4	3,941.43	3/4	3,193.15	3/4	2,476.82	3/4	1,805.33	3/4	1,193.92	3/4	662.46	3/4	241.32	3/4	2.81	3/4	
9	4,694.05	9	3,925.57	9	3,177.81	9	2,462.26	9	1,791.83	9	1,181.83	9	652.26	9	233.81	9	1.40	9	
1/4	4,677.92	1/4	3,909.77	1/4	3,162.58	1/4	2,447.86	1/4	1,778.54	1/4	1,170.02	1/4	642.45	1/4	226.73	1/4		1/4	
1/2	4,661.79	1/2	3,893.98	1/2	3,147.35	1/2	2,433.45	1/2	1,765.25	1/2	1,158.20	1/2	632.63	1/2	219.64	1/2		1/2	
3/4	4,645.66	3/4	3,878.18	3/4	3,132.11	3/4	2,419.05	3/4	1,751.96	3/4	1,146.39	3/4	622.82	3/4	212.56	3/4		3/4	
10	4,629.52	10	3,862.38	10	3,116.88	10	2,404.64	10	1,738.67	10	1,134.57	10	613.00	10	205.48	10		10	
1/4	4,613.39	1/4	3,846.58	1/4	3,101.65	1/4	2,390.24	1/4	1,725.38	1/4	1,122.76	1/4	603.17	1/4	198.71	1/4		1/4	
1/2	4,597.26	1/2	3,830.79	1/2	3,086.43	1/2	2,375.83	1/2	1,712.08	1/2	1,110.95	1/2	593.35	1/2	191.94	1/2		1/2	
3/4	4,581.13	3/4	3,814.99	3/4	3,071.20	3/4	2,361.43	3/4	1,698.79	3/4	1,099.14	3/4	583.52	3/4	185.17	3/4		3/4	
11	4,565.00	11	3,799.19	11	3,055.98	11	2,347.02	11	1,685.50	11	1,087.33	11	573.69	11	178.40	11		11	
1/4	4,548.90	1/4	3,783.48	1/4	3,040.87	1/4	2,332.78	1/4	1,672.43	1/4	1,075.81	1/4	564.28	1/4	171.95	1/4		1/4	
1/2	4,532.81	1/2	3,767.76	1/2	3,025.76	1/2	2,318.54	1/2	1,659.36	1/2	1,064.29	1/2	554.87	1/2	165.50	1/2		1/2	
3/4	4,516.71	3/4	3,752.05	3/4	3,010.65	3/4	2,304.29	3/4	1,646.29	3/4	1,052.76	3/4	545.46	3/4	159.05	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/31/1997 SI
REPRINTED: 03/21/2006 SW

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BARGE "KIRBY 21853"

STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

FORMERLY "KEX 2500"

GAUGE HEIGHT 22'-08 3/4"

4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		10 FT.		11 FT.		12 FT.		13 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0	10,882.93	0	10,592.35	0	10,144.91	0	9,594.95	0	8,969.72	0	8,287.89	0	7,564.05	0	6,810.77	0	6,039.21
1/4		1/4	10,879.38	1/4	10,584.32	1/4	10,134.35	1/4	9,582.60	1/4	8,956.02	1/4	8,273.18	1/4	7,548.61	1/4	6,794.85	1/4	6,023.01
1/2		1/2	10,875.82	1/2	10,576.28	1/2	10,123.80	1/2	9,570.25	1/2	8,942.32	1/2	8,258.47	1/2	7,533.17	1/2	6,778.92	1/2	6,006.81
3/4		3/4	10,871.98	3/4	10,568.15	3/4	10,113.18	3/4	9,557.85	3/4	8,928.59	3/4	8,243.74	3/4	7,517.71	3/4	6,762.98	3/4	5,990.61
1		1	10,867.84	1	10,559.92	1	10,102.50	1	9,545.41	1	8,914.82	1	8,228.98	1	7,502.23	1	6,747.02	1	5,974.41
1/4		1/4	10,863.71	1/4	10,551.70	1/4	10,091.81	1/4	9,532.97	1/4	8,901.06	1/4	8,214.21	1/4	7,486.75	1/4	6,731.07	1/4	5,958.21
1/2		1/2	10,859.57	1/2	10,543.47	1/2	10,081.13	1/2	9,520.53	1/2	8,887.29	1/2	8,199.45	1/2	7,471.26	1/2	6,715.12	1/2	5,942.01
3/4		3/4	10,855.18	3/4	10,535.09	3/4	10,070.34	3/4	9,508.01	3/4	8,873.46	3/4	8,184.65	3/4	7,455.75	3/4	6,699.15	3/4	5,925.80
2		2	10,850.54	2	10,526.56	2	10,059.46	2	9,495.41	2	8,859.57	2	8,169.80	2	7,440.20	2	6,683.15	2	5,909.58
1/4		1/4	10,845.91	1/4	10,518.03	1/4	10,048.57	1/4	9,482.81	1/4	8,845.69	1/4	8,154.96	1/4	7,424.65	1/4	6,667.16	1/4	5,893.37
1/2		1/2	10,841.27	1/2	10,509.50	1/2	10,037.68	1/2	9,470.21	1/2	8,831.80	1/2	8,140.11	1/2	7,409.11	1/2	6,651.16	1/2	5,877.15
3/4		3/4	10,836.39	3/4	10,500.89	3/4	10,026.73	3/4	9,457.56	3/4	8,817.88	3/4	8,125.24	3/4	7,393.55	3/4	6,635.16	3/4	5,860.93
3		3	10,831.27	3	10,492.18	3	10,015.72	3	9,444.86	3	8,803.93	3	8,110.34	3	7,377.99	3	6,619.15	3	5,844.71
1/4		1/4	10,826.14	1/4	10,483.48	1/4	10,004.71	1/4	9,432.16	1/4	8,789.98	1/4	8,095.44	1/4	7,362.43	1/4	6,603.14	1/4	5,828.48
1/2		1/2	10,821.02	1/2	10,474.78	1/2	9,993.70	1/2	9,419.47	1/2	8,776.02	1/2	8,080.54	1/2	7,346.88	1/2	6,587.13	1/2	5,812.26
3/4		3/4	10,815.71	3/4	10,465.93	3/4	9,982.58	3/4	9,406.70	3/4	8,762.02	3/4	8,065.60	3/4	7,331.28	3/4	6,571.10	3/4	5,796.02
4		4	10,810.21	4	10,456.95	4	9,971.37	4	9,393.86	4	8,747.95	4	8,050.62	4	7,315.66	4	6,555.06	4	5,779.79
1/4		1/4	10,804.72	1/4	10,447.96	1/4	9,960.15	1/4	9,381.02	1/4	8,733.88	1/4	8,035.64	1/4	7,300.03	1/4	6,539.02	1/4	5,763.55
1/2		1/2	10,799.22	1/2	10,438.97	1/2	9,948.94	1/2	9,368.18	1/2	8,719.82	1/2	8,020.66	1/2	7,284.41	1/2	6,522.97	1/2	5,747.31
3/4		3/4	10,793.54	3/4	10,429.90	3/4	9,937.67	3/4	9,355.30	3/4	8,705.72	3/4	8,005.65	3/4	7,268.76	3/4	6,506.93	3/4	5,731.07
5		5	10,787.65	5	10,420.74	5	9,926.34	5	9,342.37	5	8,691.59	5	7,990.63	5	7,253.10	5	6,490.87	5	5,714.83
1/4		1/4	10,781.77	1/4	10,411.59	1/4	9,915.02	1/4	9,329.44	1/4	8,677.46	1/4	7,975.61	1/4	7,237.44	1/4	6,474.82	1/4	5,698.60
1/2		1/2	10,775.89	1/2	10,402.43	1/2	9,903.69	1/2	9,316.51	1/2	8,663.33	1/2	7,960.58	1/2	7,221.78	1/2	6,458.76	1/2	5,682.36
3/4		3/4	10,769.84	3/4	10,393.15	3/4	9,892.27	3/4	9,303.51	3/4	8,649.14	3/4	7,945.52	3/4	7,206.10	3/4	6,442.69	3/4	5,666.12
6		6	10,763.60	6	10,383.73	6	9,880.75	6	9,290.44	6	8,634.90	6	7,930.41	6	7,190.38	6	6,426.60	6	5,649.87
1/4		1/4	10,757.37	1/4	10,374.32	1/4	9,869.23	1/4	9,277.37	1/4	8,620.67	1/4	7,915.30	1/4	7,174.67	1/4	6,410.51	1/4	5,633.63
1/2		1/2	10,751.14	1/2	10,364.90	1/2	9,857.71	1/2	9,264.30	1/2	8,606.43	1/2	7,900.20	1/2	7,158.95	1/2	6,394.43	1/2	5,617.38
3/4		3/4	10,744.74	3/4	10,355.41	3/4	9,846.14	3/4	9,251.19	3/4	8,592.16	3/4	7,885.07	3/4	7,143.22	3/4	6,378.33	3/4	5,601.15
7		7	10,738.18	7	10,345.84	7	9,834.51	7	9,238.04	7	8,577.85	7	7,869.92	7	7,127.48	7	6,362.22	7	5,584.91
1/4		1/4	10,731.61	1/4	10,336.28	1/4	9,822.88	1/4	9,224.89	1/4	8,563.55	1/4	7,854.77	1/4	7,111.74	1/4	6,346.11	1/4	5,568.68
1/2		1/2	10,725.04	1/2	10,326.71	1/2	9,811.24	1/2	9,211.74	1/2	8,549.25	1/2	7,839.62	1/2	7,095.99	1/2	6,330.01	1/2	5,552.45
3/4		3/4	10,718.32	3/4	10,317.02	3/4	9,799.52	3/4	9,198.52	3/4	8,534.89	3/4	7,824.43	3/4	7,080.22	3/4	6,313.89	3/4	5,536.22
8		8	10,711.43	8	10,307.21	8	9,787.71	8	9,185.24	8	8,520.49	8	7,809.21	8	7,064.42	8	6,297.76	8	5,520.00
1/4		1/4	10,704.54	1/4	10,297.39	1/4	9,775.90	1/4	9,171.95	1/4	8,506.08	1/4	7,793.98	1/4	7,048.63	1/4	6,281.63	1/4	5,503.78
1/2		1/2	10,697.66	1/2	10,287.57	1/2	9,764.10	1/2	9,158.67	1/2	8,491.68	1/2	7,778.76	1/2	7,032.83	1/2	6,265.49	1/2	5,487.56
3/4		3/4	10,690.60	3/4	10,277.69	3/4	9,752.24	3/4	9,145.34	3/4	8,477.25	3/4	7,763.51	3/4	7,017.02	3/4	6,249.36	3/4	5,471.35
9		9	10,683.36	9	10,267.73	9	9,740.32	9	9,131.97	9	8,462.79	9	7,748.24	9	7,001.21	9	6,233.21	9	5,455.13
1/4	10,908.86	1/4	10,676.12	1/4	10,257.77	1/4	9,728.41	1/4	9,118.60	1/4	8,448.33	1/4	7,732.97	1/4	6,985.39	1/4	6,217.07	1/4	5,438.92
1/2	10,907.86	1/2	10,668.88	1/2	10,247.81	1/2	9,716.50	1/2	9,105.23	1/2	8,433.87	1/2	7,717.71	1/2	6,969.57	1/2	6,200.93	1/2	5,422.70
3/4	10,906.40	3/4	10,661.51	3/4	10,237.74	3/4	9,704.51	3/4	9,091.80	3/4	8,419.36	3/4	7,702.40	3/4	6,953.74	3/4	6,184.78	3/4	5,406.49
10	10,904.50	10	10,653.99	10	10,227.54	10	9,692.42	10	9,078.30	10	8,404.80	10	7,687.06	10	6,937.87	10	6,168.62	10	5,390.27
1/4	10,902.60	1/4	10,646.48	1/4	10,217.34	1/4	9,680.34	1/4	9,064.80	1/4	8,390.24	1/4	7,671.72	1/4	6,922.01	1/4	6,152.46	1/4	5,374.04
1/2	10,900.69	1/2	10,638.97	1/2	10,207.15	1/2	9,668.26	1/2	9,051.30	1/2	8,375.68	1/2	7,656.38	1/2	6,906.15	1/2	6,136.29	1/2	5,357.82
3/4	10,898.30	3/4	10,631.36	3/4	10,196.88	3/4	9,656.12	3/4	9,037.76	3/4	8,361.10	3/4	7,641.03	3/4	6,890.27	3/4	6,120.13	3/4	5,341.60
11	10,895.43	11	10,623.66	11	10,186.56	11	9,643.94	11	9,024.19	11	8,346.49	11	7,625.65	11	6,874.38	11	6,103.95	11	5,325.36
1/4	10,892.57	1/4	10,615.96	1/4	10,176.23	1/4	9,631.75	1/4	9,010.62	1/4	8,331.87	1/4	7,610.28	1/4	6,858.50	1/4	6,087.77	1/4	5,309.12
1/2	10,889.70	1/2	10,608.26	1/2	10,165.90	1/2	9,619.57	1/2	8,997.05	1/2	8,317.26	1/2	7,594.90	1/2	6,842.61	1/2	6,071.59	1/2	5,292.88
3/4	10,886.49	3/4	10,600.39	3/4	10,155.46	3/4	9,607.30	3/4	8,983.41	3/4	8,302.60	3/4	7,579.49	3/4	6,826.70	3/4	6,055.40	3/4	5,276.64

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE
 CAPACITY TABLE RECOMPUTED DUE TO CHANGE IN GAUGE HEIGHT ELEVATION SUBMITTED 3-21-01
 GAUGE POINT: (HERMETIC) LOCATED AT CENTER OF TANK
 CAPACITIES ALLOW FOR OPERATING TEMPERATURE OF -28 DEGREES F

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 21853"

STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

FORMERLY "KEX 2500"

GAUGE HEIGHT 22'-08 3/4"

14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.		20 FT.		21 FT.		22 FT.		23 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	5,260.40	0	4,483.68	0	3,719.88	0	2,979.86	0	2,275.36	0	1,619.82	0	1,029.51	0	526.52	0	146.56	0	
1/4	5,244.15	1/4	4,467.59	1/4	3,704.17	1/4	2,964.76	1/4	2,261.12	1/4	1,606.75	1/4	1,017.99	1/4	517.10	1/4	140.41	1/4	
1/2	5,227.91	1/2	4,451.50	1/2	3,688.45	1/2	2,949.65	1/2	2,246.88	1/2	1,593.68	1/2	1,006.47	1/2	507.68	1/2	134.26	1/2	
3/4	5,211.67	3/4	4,435.43	3/4	3,672.78	3/4	2,934.60	3/4	2,232.72	3/4	1,580.71	3/4	995.09	3/4	498.46	3/4	128.30	3/4	
1	5,195.43	1	4,419.38	1	3,657.14	1	2,919.60	1	2,218.63	1	1,567.84	1	983.84	1	489.41	1	122.51	1	
1/4	5,179.19	1/4	4,403.33	1/4	3,641.50	1/4	2,904.61	1/4	2,204.54	1/4	1,554.97	1/4	972.59	1/4	480.37	1/4	116.73	1/4	
1/2	5,162.95	1/2	4,387.29	1/2	3,625.87	1/2	2,889.62	1/2	2,190.45	1/2	1,542.10	1/2	961.34	1/2	471.33	1/2	110.94	1/2	
3/4	5,146.71	3/4	4,371.24	3/4	3,610.24	3/4	2,874.63	3/4	2,176.37	3/4	1,529.24	3/4	950.11	3/4	462.32	3/4	105.35	3/4	
2	5,130.48	2	4,355.20	2	3,594.61	2	2,859.65	2	2,162.31	2	1,516.40	2	938.89	2	453.33	2	99.95	2	
1/4	5,114.24	1/4	4,339.16	1/4	3,578.99	1/4	2,844.66	1/4	2,148.24	1/4	1,503.55	1/4	927.68	1/4	444.34	1/4	94.55	1/4	
1/2	5,098.00	1/2	4,323.12	1/2	3,563.36	1/2	2,829.68	1/2	2,134.18	1/2	1,490.71	1/2	916.46	1/2	435.35	1/2	89.15	1/2	
3/4	5,081.77	3/4	4,307.10	3/4	3,547.77	3/4	2,814.76	3/4	2,120.19	3/4	1,477.97	3/4	905.39	3/4	426.56	3/4	83.96	3/4	
3	5,065.55	3	4,291.10	3	3,532.23	3	2,799.90	3	2,106.29	3	1,465.34	3	894.46	3	417.97	3	78.97	3	
1/4	5,049.33	1/4	4,275.11	1/4	3,516.68	1/4	2,785.03	1/4	2,092.38	1/4	1,452.71	1/4	883.54	1/4	409.38	1/4	73.98	1/4	
1/2	5,033.11	1/2	4,259.12	1/2	3,501.13	1/2	2,770.17	1/2	2,078.48	1/2	1,440.08	1/2	872.61	1/2	400.79	1/2	68.99	1/2	
3/4	5,016.89	3/4	4,243.12	3/4	3,485.59	3/4	2,755.31	3/4	2,064.58	3/4	1,427.46	3/4	861.70	3/4	392.24	3/4	64.24	3/4	
4	5,000.68	4	4,227.13	4	3,470.04	4	2,740.46	4	2,050.70	4	1,414.86	4	850.80	4	383.71	4	59.72	4	
1/4	4,984.46	1/4	4,211.13	1/4	3,454.50	1/4	2,725.61	1/4	2,036.82	1/4	1,402.26	1/4	839.91	1/4	375.18	1/4	55.21	1/4	
1/2	4,968.25	1/2	4,195.14	1/2	3,438.96	1/2	2,710.76	1/2	2,022.94	1/2	1,389.66	1/2	829.02	1/2	366.65	1/2	50.69	1/2	
3/4	4,952.04	3/4	4,179.18	3/4	3,423.46	3/4	2,695.97	3/4	2,009.14	3/4	1,377.17	3/4	818.27	3/4	358.33	3/4	46.43	3/4	
5	4,935.85	5	4,163.24	5	3,408.01	5	2,681.25	5	1,995.41	5	1,364.79	5	807.68	5	350.23	5	42.43	5	
1/4	4,919.65	1/4	4,147.31	1/4	3,392.56	1/4	2,666.53	1/4	1,981.68	1/4	1,352.40	1/4	797.08	1/4	342.13	1/4	38.43	1/4	
1/2	4,903.46	1/2	4,131.37	1/2	3,377.11	1/2	2,651.81	1/2	1,967.96	1/2	1,340.02	1/2	786.49	1/2	334.03	1/2	34.43	1/2	
3/4	4,887.26	3/4	4,115.44	3/4	3,361.66	3/4	2,637.10	3/4	1,954.25	3/4	1,327.66	3/4	775.91	3/4	325.96	3/4	30.73	3/4	
6	4,871.06	6	4,099.50	6	3,346.22	6	2,622.39	6	1,940.55	6	1,315.32	6	765.36	6	317.92	6	27.33	6	
1/4	4,854.87	1/4	4,083.57	1/4	3,330.78	1/4	2,607.68	1/4	1,926.85	1/4	1,302.97	1/4	754.81	1/4	309.89	1/4	23.93	1/4	
1/2	4,838.67	1/2	4,067.63	1/2	3,315.34	1/2	2,592.97	1/2	1,913.16	1/2	1,290.63	1/2	744.25	1/2	301.85	1/2	20.53	1/2	
3/4	4,822.49	3/4	4,051.73	3/4	3,299.94	3/4	2,578.33	3/4	1,899.55	3/4	1,278.39	3/4	733.86	3/4	294.04	3/4	17.50	3/4	
7	4,806.32	7	4,035.86	7	3,284.59	7	2,563.75	7	1,886.02	7	1,266.27	7	723.62	7	286.47	7	14.84	7	
1/4	4,790.16	1/4	4,019.99	1/4	3,269.24	1/4	2,549.18	1/4	1,872.50	1/4	1,254.15	1/4	713.38	1/4	278.89	1/4	12.18	1/4	
1/2	4,773.99	1/2	4,004.13	1/2	3,253.89	1/2	2,534.60	1/2	1,858.98	1/2	1,242.04	1/2	703.14	1/2	271.31	1/2	9.52	1/2	
3/4	4,757.82	3/4	3,988.26	3/4	3,238.54	3/4	2,520.03	3/4	1,845.46	3/4	1,229.93	3/4	692.93	3/4	263.77	3/4	7.44	3/4	
8	4,741.65	8	3,972.40	8	3,223.21	8	2,505.47	8	1,831.96	8	1,217.85	8	682.73	8	256.26	8	5.93	8	
1/4	4,725.49	1/4	3,956.53	1/4	3,207.87	1/4	2,490.91	1/4	1,818.46	1/4	1,205.77	1/4	672.53	1/4	248.76	1/4	4.42	1/4	
1/2	4,709.32	1/2	3,940.67	1/2	3,192.53	1/2	2,476.35	1/2	1,804.96	1/2	1,193.68	1/2	662.34	1/2	241.25	1/2	2.91	1/2	
3/4	4,693.17	3/4	3,924.84	3/4	3,177.24	3/4	2,461.86	3/4	1,791.56	3/4	1,181.72	3/4	652.31	3/4	233.93	3/4	1.40	3/4	
9	4,677.03	9	3,909.03	9	3,162.00	9	2,447.44	9	1,778.25	9	1,169.87	9	642.44	9	226.80	9		9	
1/4	4,660.90	1/4	3,893.23	1/4	3,146.76	1/4	2,433.01	1/4	1,764.94	1/4	1,158.03	1/4	632.58	1/4	219.67	1/4		1/4	
1/2	4,644.76	1/2	3,877.43	1/2	3,131.52	1/2	2,418.59	1/2	1,751.63	1/2	1,146.18	1/2	622.72	1/2	212.54	1/2		1/2	
3/4	4,628.63	3/4	3,861.63	3/4	3,116.29	3/4	2,404.18	3/4	1,738.33	3/4	1,134.36	3/4	612.88	3/4	205.57	3/4		3/4	
10	4,612.50	10	3,845.84	10	3,101.07	10	2,389.77	10	1,725.04	10	1,122.55	10	603.06	10	198.76	10		10	
1/4	4,596.38	1/4	3,830.04	1/4	3,085.84	1/4	2,375.37	1/4	1,711.75	1/4	1,110.74	1/4	593.25	1/4	191.95	1/4		1/4	
1/2	4,580.25	1/2	3,814.25	1/2	3,070.61	1/2	2,360.96	1/2	1,698.46	1/2	1,098.93	1/2	583.43	1/2	185.14	1/2		1/2	
3/4	4,564.14	3/4	3,798.49	3/4	3,055.44	3/4	2,346.63	3/4	1,685.26	3/4	1,087.24	3/4	573.79	3/4	178.49	3/4		3/4	
11	4,548.05	11	3,782.77	11	3,040.32	11	2,332.37	11	1,672.17	11	1,075.68	11	564.32	11	172.01	11		11	
1/4	4,531.95	1/4	3,767.04	1/4	3,025.20	1/4	2,318.11	1/4	1,659.07	1/4	1,064.13	1/4	554.85	1/4	165.52	1/4		1/4	
1/2	4,515.86	1/2	3,751.32	1/2	3,010.08	1/2	2,303.85	1/2	1,645.98	1/2	1,052.57	1/2	545.38	1/2	159.03	1/2		1/2	
3/4	4,499.77	3/4	3,735.60	3/4	2,994.97	3/4	2,289.60	3/4	1,632.89	3/4	1,041.03	3/4	535.93	3/4	152.71	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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