



BARGE "KIRBY 28723"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-3/8	- 00-3/8	00-7/8	- 00-7/8	01-1/4	- 01-1/4	01-3/4	- 01-3/4	02-1/8	- 02-1/8	02-5/8	- 02-5/8
1 STBD	00-3/8	- 00-3/8	00-7/8	- 00-7/8	01-1/4	- 01-1/4	01-3/4	- 01-3/4	02-1/8	- 02-1/8	02-5/8	- 02-5/8
2 PORT	00-3/8	- 00-3/8	00-7/8	- 00-7/8	01-1/4	- 01-1/4	01-3/4	- 01-3/4	02-1/8	- 02-1/8	02-5/8	- 02-5/8
2 STBD	00-3/8	- 00-3/8	00-7/8	- 00-7/8	01-1/4	- 01-1/4	01-3/4	- 01-3/4	02-1/8	- 02-1/8	02-5/8	- 02-5/8
3 PORT	00-1/2	- 00-1/2	00-7/8	- 00-7/8	01-3/8	- 01-3/8	01-3/4	- 01-3/4	02-1/4	- 02-1/4	02-3/4	- 02-3/4
3 STBD	00-1/2	- 00-1/2	00-7/8	- 00-7/8	01-3/8	- 01-3/8	01-3/4	- 01-3/4	02-1/4	- 02-1/4	02-3/4	- 02-3/4

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 4'-00"
 DIFF. = 2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 2 PORT IS - 00-7/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 1/8"

LENGTH BETWEEN DRAFT MARKS: 241'-03"

February 2, 2007

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28723"

1 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-08 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0		0	4,544.89	0	4,202.18	0	3,841.37	0	3,475.28	0	3,109.19	0	2,743.08
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,537.95	1/4	4,194.86	1/4	3,833.74	1/4	3,467.65	1/4	3,101.57	1/4	2,735.45
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,530.98	1/2	4,187.50	1/2	3,826.11	1/2	3,460.03	1/2	3,093.94	1/2	2,727.82
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,842.57	3/4	4,524.01	3/4	4,180.14	3/4	3,818.49	3/4	3,452.40	3/4	3,086.31
1		1		1		1		1	4,838.12	1	4,517.04	1	4,172.78	1	3,810.86	1	3,444.77	1	3,078.69
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,833.67	1/4	4,510.08	1/4	4,165.42	1/4	3,803.23	1/4	3,437.15	1/4	3,071.06
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,827.95	1/2	4,503.07	1/2	4,158.03	1/2	3,795.61	1/2	3,429.52	1/2	3,063.43
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,822.22	3/4	4,496.07	3/4	4,150.64	3/4	3,787.98	3/4	3,421.89	3/4	3,055.81
2		2		2		2		2	4,816.50	2	4,489.07	2	4,143.25	2	3,780.35	2	3,414.27	2	3,048.18
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,810.78	1/4	4,482.07	1/4	4,135.86	1/4	3,772.72	1/4	3,406.64	1/4	3,040.55
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,803.78	1/2	4,475.03	1/2	4,128.43	1/2	3,765.10	1/2	3,399.01	1/2	3,032.93
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,796.79	3/4	4,468.00	3/4	4,121.01	3/4	3,757.47	3/4	3,391.38	3/4	3,025.30
3		3		3		3		3	4,789.80	3	4,460.97	3	4,113.59	3	3,749.84	3	3,383.76	3	3,017.67
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,782.81	1/4	4,453.93	1/4	4,106.16	1/4	3,742.22	1/4	3,376.13	1/4	3,010.04
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,776.16	1/2	4,446.86	1/2	4,098.71	1/2	3,734.59	1/2	3,368.50	1/2	3,002.42
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,769.52	3/4	4,439.80	3/4	4,091.25	3/4	3,726.96	3/4	3,360.88	3/4	2,994.79
4		4		4		4		4	4,762.88	4	4,432.73	4	4,083.79	4	3,719.34	4	3,353.25	4	2,987.16
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,756.24	1/4	4,425.67	1/4	4,076.34	1/4	3,711.71	1/4	3,345.62	1/4	2,979.54
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,749.54	1/2	4,418.57	1/2	4,068.85	1/2	3,704.08	1/2	3,338.00	1/2	2,971.91
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,742.84	3/4	4,411.47	3/4	4,061.36	3/4	3,696.46	3/4	3,330.37	3/4	2,964.28
5		5		5		5		5	4,736.14	5	4,404.37	5	4,053.87	5	3,688.83	5	3,322.74	5	2,956.66
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,729.45	1/4	4,397.27	1/4	4,046.38	1/4	3,681.20	1/4	3,315.12	1/4	2,949.03
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,722.71	1/2	4,390.14	1/2	4,038.86	1/2	3,673.58	1/2	3,307.49	1/2	2,941.40
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,715.97	3/4	4,383.01	3/4	4,031.34	3/4	3,665.95	3/4	3,299.86	3/4	2,933.78
6		6		6		6		6	4,709.23	6	4,375.87	6	4,023.82	6	3,658.32	6	3,292.24	6	2,926.15
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,702.49	1/4	4,368.74	1/4	4,016.30	1/4	3,650.70	1/4	3,284.61	1/4	2,918.52
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,695.71	1/2	4,361.58	1/2	4,008.74	1/2	3,643.07	1/2	3,276.98	1/2	2,910.90
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,688.94	3/4	4,354.41	3/4	4,001.19	3/4	3,635.44	3/4	3,269.36	3/4	2,903.27
7		7		7		7		7	4,682.16	7	4,347.25	7	3,993.64	7	3,627.82	7	3,261.73	7	2,895.64
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,675.39	1/4	4,340.09	1/4	3,986.08	1/4	3,620.19	1/4	3,254.10	1/4	2,888.02
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,668.58	1/2	4,332.89	1/2	3,978.50	1/2	3,612.56	1/2	3,246.48	1/2	2,880.39
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,661.77	3/4	4,325.69	3/4	3,970.91	3/4	3,604.94	3/4	3,238.85	3/4	2,872.76
8		8		8		8		8	4,654.97	8	4,318.50	8	3,963.32	8	3,597.31	8	3,231.22	8	2,865.14
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,648.16	1/4	4,311.30	1/4	3,955.74	1/4	3,589.68	1/4	3,223.60	1/4	2,857.51
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,641.32	1/2	4,304.07	1/2	3,948.12	1/2	3,582.05	1/2	3,215.97	1/2	2,849.88
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,634.48	3/4	4,296.84	3/4	3,940.50	3/4	3,574.43	3/4	3,208.34	3/4	2,842.26
9		9		9		9		9	4,627.64	9	4,289.61	9	3,932.88	9	3,566.80	9	3,200.71	9	2,834.63
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,620.80	1/4	4,282.38	1/4	3,925.26	1/4	3,559.17	1/4	3,193.09	1/4	2,827.00
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,613.93	1/2	4,275.12	1/2	3,917.63	1/2	3,551.55	1/2	3,185.46	1/2	2,819.37
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,607.06	3/4	4,267.86	3/4	3,910.01	3/4	3,543.92	3/4	3,177.83	3/4	2,811.75
10		10		10		10		10	4,600.19	10	4,260.60	10	3,902.38	10	3,536.29	10	3,170.21	10	2,804.12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,593.32	1/4	4,253.34	1/4	3,894.75	1/4	3,528.67	1/4	3,162.58	1/4	2,796.49
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,586.41	1/2	4,246.04	1/2	3,887.13	1/2	3,521.04	1/2	3,154.95	1/2	2,788.86
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,579.51	3/4	4,238.75	3/4	3,879.50	3/4	3,513.41	3/4	3,147.33	3/4	2,781.23
11		11		11		11		11	4,572.60	11	4,231.46	11	3,871.87	11	3,505.79	11	3,139.70	11	2,773.60
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,565.70	1/4	4,224.16	1/4	3,864.25	1/4	3,498.16	1/4	3,132.07	1/4	2,765.97
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,558.76	1/2	4,216.84	1/2	3,856.62	1/2	3,490.53	1/2	3,124.45	1/2	2,758.34
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,551.83	3/4	4,209.51	3/4	3,848.99	3/4	3,482.91	3/4	3,116.82	3/4	2,750.71

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 52'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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<http://www.pmacorp.net>



BARGE "KIRBY 28723"

1 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-08 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,376.80	0	2,010.52	0	1,644.24	0	1,277.97	0	912.47	0	546.34	0	194.15	0		0		0	
1/4	2,369.17	1/4	2,002.89	1/4	1,636.61	1/4	1,270.33	1/4	904.86	1/4	538.70	1/4	187.30	1/4		1/4		1/4	
1/2	2,361.54	1/2	1,995.26	1/2	1,628.98	1/2	1,262.70	1/2	897.24	1/2	531.07	1/2	180.79	1/2		1/2		1/2	
3/4	2,353.91	3/4	1,987.63	3/4	1,621.35	3/4	1,255.07	3/4	889.63	3/4	523.44	3/4	174.28	3/4		3/4		3/4	
1	2,346.28	1	1,980.00	1	1,613.72	1	1,247.44	1	882.01	1	515.81	1	167.76	1		1		1	
1/4	2,338.65	1/4	1,972.37	1/4	1,606.09	1/4	1,239.81	1/4	874.40	1/4	508.18	1/4	161.25	1/4		1/4		1/4	
1/2	2,331.02	1/2	1,964.74	1/2	1,598.46	1/2	1,232.18	1/2	866.78	1/2	500.55	1/2	154.83	1/2		1/2		1/2	
3/4	2,323.38	3/4	1,957.11	3/4	1,590.83	3/4	1,224.55	3/4	859.16	3/4	492.92	3/4	148.41	3/4		3/4		3/4	
2	2,315.75	2	1,949.48	2	1,583.20	2	1,216.92	2	851.55	2	485.29	2	141.99	2		2		2	
1/4	2,308.12	1/4	1,941.84	1/4	1,575.57	1/4	1,209.29	1/4	843.93	1/4	477.66	1/4	135.57	1/4		1/4		1/4	
1/2	2,300.49	1/2	1,934.21	1/2	1,567.94	1/2	1,201.66	1/2	836.30	1/2	470.03	1/2	129.25	1/2		1/2		1/2	
3/4	2,292.86	3/4	1,926.58	3/4	1,560.30	3/4	1,194.03	3/4	828.67	3/4	462.40	3/4	122.93	3/4		3/4		3/4	
3	2,285.23	3	1,918.95	3	1,552.67	3	1,186.40	3	821.04	3	454.77	3	116.61	3		3		3	
1/4	2,277.60	1/4	1,911.32	1/4	1,545.04	1/4	1,178.76	1/4	813.41	1/4	447.14	1/4	110.29	1/4		1/4		1/4	
1/2	2,269.97	1/2	1,903.69	1/2	1,537.41	1/2	1,171.13	1/2	805.78	1/2	439.55	1/2	104.07	1/2		1/2		1/2	
3/4	2,262.34	3/4	1,896.06	3/4	1,529.78	3/4	1,163.50	3/4	798.15	3/4	431.97	3/4	97.86	3/4		3/4		3/4	
4	2,254.71	4	1,888.43	4	1,522.15	4	1,155.87	4	790.51	4	424.38	4	91.65	4		4		4	
1/4	2,247.08	1/4	1,880.80	1/4	1,514.52	1/4	1,148.24	1/4	782.88	1/4	416.80	1/4	85.43	1/4		1/4		1/4	
1/2	2,239.45	1/2	1,873.17	1/2	1,506.89	1/2	1,140.65	1/2	775.25	1/2	409.30	1/2	79.32	1/2		1/2		1/2	
3/4	2,231.82	3/4	1,865.54	3/4	1,499.26	3/4	1,133.06	3/4	767.62	3/4	401.81	3/4	73.21	3/4		3/4		3/4	
5	2,224.18	5	1,857.91	5	1,491.63	5	1,125.48	5	759.99	5	394.31	5	67.09	5		5		5	
1/4	2,216.55	1/4	1,850.28	1/4	1,484.00	1/4	1,117.89	1/4	752.36	1/4	386.82	1/4	60.98	1/4		1/4		1/4	
1/2	2,208.92	1/2	1,842.64	1/2	1,476.37	1/2	1,110.30	1/2	744.73	1/2	379.42	1/2	55.00	1/2		1/2		1/2	
3/4	2,201.29	3/4	1,835.01	3/4	1,468.74	3/4	1,102.71	3/4	737.10	3/4	372.01	3/4	49.02	3/4		3/4		3/4	
6	2,193.66	6	1,827.38	6	1,461.10	6	1,095.12	6	729.47	6	364.61	6	43.04	6		6		6	
1/4	2,186.03	1/4	1,819.75	1/4	1,453.47	1/4	1,087.54	1/4	721.84	1/4	357.20	1/4	37.06	1/4		1/4		1/4	
1/2	2,178.40	1/2	1,812.12	1/2	1,445.84	1/2	1,079.92	1/2	714.21	1/2	349.89	1/2	31.80	1/2		1/2		1/2	
3/4	2,170.77	3/4	1,804.49	3/4	1,438.21	3/4	1,072.31	3/4	706.58	3/4	342.58	3/4	26.53	3/4		3/4		3/4	
7	2,163.14	7	1,796.86	7	1,430.58	7	1,064.70	7	698.95	7	335.27	7	21.27	7		7		7	
1/4	2,155.51	1/4	1,789.23	1/4	1,422.95	1/4	1,057.09	1/4	691.32	1/4	327.95	1/4	16.01	1/4		1/4		1/4	
1/2	2,147.88	1/2	1,781.60	1/2	1,415.32	1/2	1,049.48	1/2	683.69	1/2	320.73	1/2	12.73	1/2		1/2		1/2	
3/4	2,140.25	3/4	1,773.97	3/4	1,407.69	3/4	1,041.87	3/4	676.06	3/4	313.51	3/4	9.46	3/4		3/4		3/4	
8	2,132.61	8	1,766.34	8	1,400.06	8	1,034.26	8	668.42	8	306.29	8	6.19	8		8		8	
1/4	2,124.98	1/4	1,758.71	1/4	1,392.43	1/4	1,026.64	1/4	660.79	1/4	299.06	1/4	2.92	1/4		1/4		1/4	
1/2	2,117.35	1/2	1,751.07	1/2	1,384.80	1/2	1,019.03	1/2	653.16	1/2	291.93	1/2		1/2		1/2		1/2	
3/4	2,109.72	3/4	1,743.44	3/4	1,377.17	3/4	1,011.42	3/4	645.53	3/4	284.80	3/4		3/4		3/4		3/4	
9	2,102.09	9	1,735.81	9	1,369.53	9	1,003.81	9	637.90	9	277.67	9		9		9		9	
1/4	2,094.46	1/4	1,728.18	1/4	1,361.90	1/4	996.20	1/4	630.27	1/4	270.54	1/4		1/4		1/4		1/4	
1/2	2,086.83	1/2	1,720.55	1/2	1,354.27	1/2	988.59	1/2	622.64	1/2	263.51	1/2		1/2		1/2		1/2	
3/4	2,079.20	3/4	1,712.92	3/4	1,346.64	3/4	980.98	3/4	615.01	3/4	256.49	3/4		3/4		3/4		3/4	
10	2,071.57	10	1,705.29	10	1,339.01	10	973.36	10	607.38	10	249.46	10		10		10		10	
1/4	2,063.94	1/4	1,697.66	1/4	1,331.38	1/4	965.75	1/4	599.75	1/4	242.43	1/4		1/4		1/4		1/4	
1/2	2,056.31	1/2	1,690.03	1/2	1,323.75	1/2	958.14	1/2	592.12	1/2	235.49	1/2		1/2		1/2		1/2	
3/4	2,048.68	3/4	1,682.40	3/4	1,316.12	3/4	950.53	3/4	584.49	3/4	228.56	3/4		3/4		3/4		3/4	
11	2,041.05	11	1,674.77	11	1,308.49	11	942.92	11	576.86	11	221.62	11		11		11		11	
1/4	2,033.41	1/4	1,667.14	1/4	1,300.86	1/4	935.31	1/4	569.23	1/4	214.69	1/4		1/4		1/4		1/4	
1/2	2,025.78	1/2	1,659.51	1/2	1,293.23	1/2	927.70	1/2	561.60	1/2	207.84	1/2		1/2		1/2		1/2	
3/4	2,018.15	3/4	1,651.87	3/4	1,285.60	3/4	920.08	3/4	553.97	3/4	201.00	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/01/2007 CL - SW
CALCULATED: 02/02/2007 CL
PRINTED: 02/02/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2007

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



BARGE "KIRBY 28723"

1 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-08 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0		0	4,560.13	0	4,218.16	0	3,857.89	0	3,491.75	0	3,125.60	0	2,759.44
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,553.19	1/4	4,210.83	1/4	3,850.26	1/4	3,484.12	1/4	3,117.98	1/4	2,751.81
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,546.26	1/2	4,203.50	1/2	3,842.64	1/2	3,476.49	1/2	3,110.35	1/2	2,744.18
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,539.32	3/4	4,196.17	3/4	3,835.01	3/4	3,468.86	3/4	3,102.72	3/4	2,736.54
1		1		1		1		1	4,532.35	1	4,188.81	1	3,827.38	1	3,461.24	1	3,095.09	1	2,728.91
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,843.98	1/4	4,525.38	1/4	4,181.45	1/4	3,819.75	1/4	3,453.61	1/4	3,087.46
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,839.53	1/2	4,518.41	1/2	4,174.09	1/2	3,812.12	1/2	3,445.98	1/2	3,079.84
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,835.08	3/4	4,511.44	3/4	4,166.73	3/4	3,804.50	3/4	3,438.35	3/4	3,072.21
2		2		2		2		2	4,829.35	2	4,504.43	2	4,159.34	2	3,796.87	2	3,430.72	2	3,064.58
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,823.63	1/4	4,497.43	1/4	4,151.95	1/4	3,789.24	1/4	3,423.10	1/4	3,056.95
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,817.91	1/2	4,490.43	1/2	4,144.56	1/2	3,781.61	1/2	3,415.47	1/2	3,049.32
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,812.18	3/4	4,483.43	3/4	4,137.16	3/4	3,773.98	3/4	3,407.84	3/4	3,041.70
3		3		3		3		3	4,805.19	3	4,476.39	3	4,129.74	3	3,766.36	3	3,400.21	3	3,034.07
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,798.19	1/4	4,469.36	1/4	4,122.31	1/4	3,758.73	1/4	3,392.58	1/4	3,026.44
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,791.20	1/2	4,462.32	1/2	4,114.89	1/2	3,751.10	1/2	3,384.96	1/2	3,018.81
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,784.21	3/4	4,455.29	3/4	4,107.46	3/4	3,743.47	3/4	3,377.33	3/4	3,011.18
4		4		4		4		4	4,777.56	4	4,448.22	4	4,100.01	4	3,735.84	4	3,369.70	4	3,003.56
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,770.92	1/4	4,441.15	1/4	4,092.55	1/4	3,728.22	1/4	3,362.07	1/4	2,995.93
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,764.28	1/2	4,434.08	1/2	4,085.09	1/2	3,720.59	1/2	3,354.44	1/2	2,988.30
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,757.64	3/4	4,427.01	3/4	4,077.63	3/4	3,712.96	3/4	3,346.82	3/4	2,980.67
5		5		5		5		5	4,750.94	5	4,419.91	5	4,070.14	5	3,705.33	5	3,339.19	5	2,973.04
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,744.24	1/4	4,412.81	1/4	4,062.65	1/4	3,697.70	1/4	3,331.56	1/4	2,965.42
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,737.54	1/2	4,405.71	1/2	4,055.16	1/2	3,690.08	1/2	3,323.93	1/2	2,957.79
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,730.84	3/4	4,398.61	3/4	4,047.67	3/4	3,682.45	3/4	3,316.30	3/4	2,950.16
6		6		6		6		6	4,724.10	6	4,391.48	6	4,040.15	6	3,674.82	6	3,308.68	6	2,942.53
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,717.36	1/4	4,384.35	1/4	4,032.63	1/4	3,667.19	1/4	3,301.05	1/4	2,934.90
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,710.62	1/2	4,377.22	1/2	4,025.11	1/2	3,659.56	1/2	3,293.42	1/2	2,927.28
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,703.88	3/4	4,370.08	3/4	4,017.59	3/4	3,651.94	3/4	3,285.79	3/4	2,919.65
7		7		7		7		7	4,697.10	7	4,362.92	7	4,010.03	7	3,644.31	7	3,278.16	7	2,912.02
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,690.33	1/4	4,355.75	1/4	4,002.48	1/4	3,636.68	1/4	3,270.54	1/4	2,904.39
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,683.55	1/2	4,348.59	1/2	3,994.92	1/2	3,629.05	1/2	3,262.91	1/2	2,896.76
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,676.77	3/4	4,341.42	3/4	3,987.37	3/4	3,621.42	3/4	3,255.28	3/4	2,889.14
8		8		8		8		8	4,669.97	8	4,334.23	8	3,979.78	8	3,613.80	8	3,247.65	8	2,881.51
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,663.16	1/4	4,327.03	1/4	3,972.19	1/4	3,606.17	1/4	3,240.02	1/4	2,873.88
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,656.35	1/2	4,319.83	1/2	3,964.60	1/2	3,598.54	1/2	3,232.40	1/2	2,866.25
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,649.54	3/4	4,312.63	3/4	3,957.02	3/4	3,590.91	3/4	3,224.77	3/4	2,858.62
9		9		9		9		9	4,642.70	9	4,305.40	9	3,949.40	9	3,583.28	9	3,217.14	9	2,851.00
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,635.86	1/4	4,298.17	1/4	3,941.78	1/4	3,575.66	1/4	3,209.51	1/4	2,843.37
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,629.02	1/2	4,290.94	1/2	3,934.16	1/2	3,568.03	1/2	3,201.88	1/2	2,835.74
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,622.18	3/4	4,283.71	3/4	3,926.54	3/4	3,560.40	3/4	3,194.26	3/4	2,828.11
10		10		10		10		10	4,615.31	10	4,276.45	10	3,918.92	10	3,552.77	10	3,186.63	10	2,820.48
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,608.44	1/4	4,269.19	1/4	3,911.29	1/4	3,545.14	1/4	3,179.00	1/4	2,812.86
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,601.56	1/2	4,261.93	1/2	3,903.66	1/2	3,537.52	1/2	3,171.37	1/2	2,805.23
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,594.69	3/4	4,254.66	3/4	3,896.03	3/4	3,529.89	3/4	3,163.74	3/4	2,797.60
11		11		11		11		11	4,587.78	11	4,247.37	11	3,888.40	11	3,522.26	11	3,156.12	11	2,789.97
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,580.88	1/4	4,240.07	1/4	3,880.78	1/4	3,514.63	1/4	3,148.49	1/4	2,782.34
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,573.97	1/2	4,232.78	1/2	3,873.15	1/2	3,507.00	1/2	3,140.86	1/2	2,774.70
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,567.07	3/4	4,225.48	3/4	3,865.52	3/4	3,499.38	3/4	3,133.23	3/4	2,767.07

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 52'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28723"

1 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-08 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,393.10	0	2,026.77	0	1,660.64	0	1,294.28	0	928.07	0	561.73	0	207.89	0		0		0	
1/4	2,385.47	1/4	2,019.14	1/4	1,653.01	1/4	1,286.64	1/4	920.44	1/4	554.10	1/4	201.04	1/4		1/4		1/4	
1/2	2,377.84	1/2	2,011.50	1/2	1,645.38	1/2	1,279.01	1/2	912.81	1/2	546.46	1/2	194.20	1/2		1/2		1/2	
3/4	2,370.21	3/4	2,003.87	3/4	1,637.74	3/4	1,271.38	3/4	905.19	3/4	538.83	3/4	187.35	3/4		3/4		3/4	
1	2,362.58	1	1,996.24	1	1,630.11	1	1,263.75	1	897.55	1	531.20	1	180.83	1		1		1	
1/4	2,354.94	1/4	1,988.61	1/4	1,622.48	1/4	1,256.11	1/4	889.92	1/4	523.57	1/4	174.32	1/4		1/4		1/4	
1/2	2,347.31	1/2	1,980.98	1/2	1,614.85	1/2	1,248.48	1/2	882.29	1/2	515.93	1/2	167.80	1/2		1/2		1/2	
3/4	2,339.68	3/4	1,973.34	3/4	1,607.21	3/4	1,240.85	3/4	874.66	3/4	508.30	3/4	161.28	3/4		3/4		3/4	
2	2,332.05	2	1,965.71	2	1,599.58	2	1,233.22	2	867.02	2	500.67	2	154.86	2		2		2	
1/4	2,324.42	1/4	1,958.08	1/4	1,591.95	1/4	1,225.58	1/4	859.39	1/4	493.04	1/4	148.44	1/4		1/4		1/4	
1/2	2,316.78	1/2	1,950.45	1/2	1,584.32	1/2	1,217.95	1/2	851.76	1/2	485.40	1/2	142.02	1/2		1/2		1/2	
3/4	2,309.15	3/4	1,942.82	3/4	1,576.68	3/4	1,210.32	3/4	844.13	3/4	477.77	3/4	135.60	3/4		3/4		3/4	
3	2,301.52	3	1,935.18	3	1,569.05	3	1,202.69	3	836.50	3	470.14	3	129.28	3		3		3	
1/4	2,293.89	1/4	1,927.55	1/4	1,561.42	1/4	1,195.05	1/4	828.86	1/4	462.51	1/4	122.96	1/4		1/4		1/4	
1/2	2,286.26	1/2	1,919.92	1/2	1,553.79	1/2	1,187.42	1/2	821.23	1/2	454.88	1/2	116.63	1/2		1/2		1/2	
3/4	2,278.62	3/4	1,912.29	3/4	1,546.15	3/4	1,179.79	3/4	813.60	3/4	447.24	3/4	110.31	3/4		3/4		3/4	
4	2,270.99	4	1,904.66	4	1,538.52	4	1,172.16	4	805.97	4	439.66	4	104.10	4		4		4	
1/4	2,263.36	1/4	1,897.02	1/4	1,530.89	1/4	1,164.52	1/4	798.33	1/4	432.07	1/4	97.88	1/4		1/4		1/4	
1/2	2,255.73	1/2	1,889.39	1/2	1,523.25	1/2	1,156.89	1/2	790.70	1/2	424.48	1/2	91.67	1/2		1/2		1/2	
3/4	2,248.10	3/4	1,881.76	3/4	1,515.62	3/4	1,149.26	3/4	783.07	3/4	416.89	3/4	85.45	3/4		3/4		3/4	
5	2,240.46	5	1,874.13	5	1,507.99	5	1,141.63	5	775.44	5	409.40	5	79.34	5		5		5	
1/4	2,232.83	1/4	1,866.50	1/4	1,500.36	1/4	1,134.00	1/4	767.80	1/4	401.90	1/4	73.22	1/4		1/4		1/4	
1/2	2,225.20	1/2	1,858.86	1/2	1,492.72	1/2	1,126.38	1/2	760.17	1/2	394.41	1/2	67.11	1/2		1/2		1/2	
3/4	2,217.57	3/4	1,851.23	3/4	1,485.09	3/4	1,118.75	3/4	752.54	3/4	386.91	3/4	61.00	3/4		3/4		3/4	
6	2,209.94	6	1,843.61	6	1,477.46	6	1,111.12	6	744.91	6	379.50	6	55.02	6		6		6	
1/4	2,202.30	1/4	1,835.98	1/4	1,469.83	1/4	1,103.49	1/4	737.27	1/4	372.10	1/4	49.03	1/4		1/4		1/4	
1/2	2,194.67	1/2	1,828.36	1/2	1,462.19	1/2	1,095.87	1/2	729.64	1/2	364.69	1/2	43.05	1/2		1/2		1/2	
3/4	2,187.04	3/4	1,820.73	3/4	1,454.56	3/4	1,088.24	3/4	722.01	3/4	357.29	3/4	37.07	3/4		3/4		3/4	
7	2,179.41	7	1,813.11	7	1,446.93	7	1,080.61	7	714.38	7	349.97	7	31.81	7		7		7	
1/4	2,171.78	1/4	1,805.49	1/4	1,439.30	1/4	1,072.99	1/4	706.74	1/4	342.66	1/4	26.54	1/4		1/4		1/4	
1/2	2,164.14	1/2	1,797.88	1/2	1,431.66	1/2	1,065.36	1/2	699.11	1/2	335.34	1/2	21.27	1/2		1/2		1/2	
3/4	2,156.51	3/4	1,790.26	3/4	1,424.03	3/4	1,057.73	3/4	691.48	3/4	328.03	3/4	16.01	3/4		3/4		3/4	
8	2,148.88	8	1,782.64	8	1,416.40	8	1,050.10	8	683.85	8	320.81	8	12.74	8		8		8	
1/4	2,141.25	1/4	1,775.02	1/4	1,408.77	1/4	1,042.48	1/4	676.21	1/4	313.58	1/4	9.46	1/4		1/4		1/4	
1/2	2,133.62	1/2	1,767.40	1/2	1,401.13	1/2	1,034.85	1/2	668.58	1/2	306.36	1/2	6.19	1/2		1/2		1/2	
3/4	2,125.98	3/4	1,759.78	3/4	1,393.50	3/4	1,027.22	3/4	660.95	3/4	299.13	3/4	2.92	3/4		3/4		3/4	
9	2,118.35	9	1,752.16	9	1,385.87	9	1,019.59	9	653.32	9	292.00	9		9		9		9	
1/4	2,110.72	1/4	1,744.55	1/4	1,378.24	1/4	1,011.97	1/4	645.69	1/4	284.87	1/4		1/4		1/4		1/4	
1/2	2,103.09	1/2	1,736.93	1/2	1,370.60	1/2	1,004.34	1/2	638.05	1/2	277.74	1/2		1/2		1/2		1/2	
3/4	2,095.46	3/4	1,729.31	3/4	1,362.97	3/4	996.71	3/4	630.42	3/4	270.60	3/4		3/4		3/4		3/4	
10	2,087.82	10	1,721.68	10	1,355.34	10	989.09	10	622.79	10	262.57	10		10		10		10	
1/4	2,080.19	1/4	1,714.06	1/4	1,347.70	1/4	981.46	1/4	615.16	1/4	256.55	1/4		1/4		1/4		1/4	
1/2	2,072.56	1/2	1,706.43	1/2	1,340.07	1/2	973.83	1/2	607.52	1/2	249.52	1/2		1/2		1/2		1/2	
3/4	2,064.93	3/4	1,698.80	3/4	1,332.44	3/4	966.20	3/4	599.89	3/4	242.49	3/4		3/4		3/4		3/4	
11	2,057.30	11	1,691.17	11	1,324.81	11	958.58	11	592.26	11	235.55	11		11		11		11	
1/4	2,049.66	1/4	1,683.54	1/4	1,317.17	1/4	950.95	1/4	584.63	1/4	228.61	1/4		1/4		1/4		1/4	
1/2	2,042.03	1/2	1,675.91	1/2	1,309.54	1/2	943.32	1/2	576.99	1/2	221.67	1/2		1/2		1/2		1/2	
3/4	2,034.40	3/4	1,668.27	3/4	1,301.91	3/4	935.70	3/4	569.36	3/4	214.74	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/01/2007 CL - SW
CALCULATED: 02/02/2007 CL
PRINTED: 02/02/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2007

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



BARGE "KIRBY 28723"

2 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-08 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0		0	4,565.10	0	4,224.75	0	3,866.28	0	3,502.54	0	3,138.81	0	2,775.05
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,558.21	1/4	4,217.47	1/4	3,858.70	1/4	3,494.97	1/4	3,131.23	1/4	2,767.46
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,551.29	1/2	4,210.16	1/2	3,851.12	1/2	3,487.39	1/2	3,123.65	1/2	2,759.88
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,860.68	3/4	4,544.37	3/4	4,202.85	3/4	3,843.54	3/4	3,479.81	3/4	3,116.08
1		1		1		1		1	4,856.26	1	4,537.45	1	4,195.54	1	3,835.97	1	3,472.23	1	3,108.50
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,851.83	1/4	4,530.53	1/4	4,188.23	1/4	3,828.39	1/4	3,464.65	1/4	3,100.92
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,846.15	1/2	4,523.58	1/2	4,180.89	1/2	3,820.81	1/2	3,457.08	1/2	3,093.34
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,840.46	3/4	4,516.63	3/4	4,173.55	3/4	3,813.23	3/4	3,449.50	3/4	3,085.76
2		2		2		2		2	4,834.78	2	4,509.68	2	4,166.21	2	3,805.66	2	3,441.92	2	3,078.19
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,829.09	1/4	4,502.72	1/4	4,158.86	1/4	3,798.08	1/4	3,434.34	1/4	3,070.61
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,822.14	1/2	4,495.74	1/2	4,151.49	1/2	3,790.50	1/2	3,426.76	1/2	3,063.03
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,815.19	3/4	4,488.75	3/4	4,144.12	3/4	3,782.92	3/4	3,419.19	3/4	3,055.45
3		3		3		3		3	4,808.24	3	4,481.77	3	4,136.74	3	3,775.34	3	3,411.61	3	3,047.87
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,801.30	1/4	4,474.78	1/4	4,129.37	1/4	3,767.77	1/4	3,404.03	1/4	3,040.30
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,794.70	1/2	4,467.76	1/2	4,121.96	1/2	3,760.19	1/2	3,396.45	1/2	3,032.72
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,788.11	3/4	4,460.75	3/4	4,114.55	3/4	3,752.61	3/4	3,388.88	3/4	3,025.14
4		4		4		4		4	4,781.52	4	4,453.73	4	4,107.14	4	3,745.03	4	3,381.30	4	3,017.56
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,774.93	1/4	4,446.71	1/4	4,099.74	1/4	3,737.45	1/4	3,373.72	1/4	3,009.99
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,768.28	1/2	4,439.66	1/2	4,092.30	1/2	3,729.88	1/2	3,366.14	1/2	3,002.41
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,761.63	3/4	4,432.61	3/4	4,084.86	3/4	3,722.30	3/4	3,358.56	3/4	2,994.83
5		5		5		5		5	4,754.98	5	4,425.56	5	4,077.42	5	3,714.72	5	3,350.99	5	2,987.25
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,748.33	1/4	4,418.51	1/4	4,069.98	1/4	3,707.14	1/4	3,343.41	1/4	2,979.67
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,741.64	1/2	4,411.43	1/2	4,062.50	1/2	3,699.57	1/2	3,335.83	1/2	2,972.10
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,734.95	3/4	4,404.35	3/4	4,055.03	3/4	3,691.99	3/4	3,328.25	3/4	2,964.52
6		6		6		6		6	4,728.26	6	4,397.26	6	4,047.56	6	3,684.41	6	3,320.68	6	2,956.94
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,721.57	1/4	4,390.18	1/4	4,040.09	1/4	3,676.83	1/4	3,313.10	1/4	2,949.36
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,714.84	1/2	4,383.07	1/2	4,032.58	1/2	3,669.25	1/2	3,305.52	1/2	2,941.79
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,708.12	3/4	4,375.95	3/4	4,025.08	3/4	3,661.68	3/4	3,297.94	3/4	2,934.21
7		7		7		7		7	4,701.39	7	4,368.84	7	4,017.57	7	3,654.10	7	3,290.36	7	2,926.63
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,694.67	1/4	4,361.72	1/4	4,010.07	1/4	3,646.52	1/4	3,282.79	1/4	2,919.05
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,687.91	1/2	4,354.57	1/2	4,002.53	1/2	3,638.94	1/2	3,275.21	1/2	2,911.47
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,681.15	3/4	4,347.43	3/4	3,994.99	3/4	3,631.37	3/4	3,267.63	3/4	2,903.90
8		8		8		8		8	4,674.40	8	4,340.28	8	3,987.46	8	3,623.79	8	3,260.05	8	2,896.32
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,667.64	1/4	4,333.13	1/4	3,979.92	1/4	3,616.21	1/4	3,252.48	1/4	2,888.74
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,660.85	1/2	4,325.95	1/2	3,972.35	1/2	3,608.63	1/2	3,244.90	1/2	2,881.16
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,654.06	3/4	4,318.77	3/4	3,964.78	3/4	3,601.05	3/4	3,237.32	3/4	2,873.59
9		9		9		9		9	4,647.27	9	4,311.59	9	3,957.20	9	3,593.48	9	3,229.74	9	2,866.01
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,640.48	1/4	4,304.41	1/4	3,949.63	1/4	3,585.90	1/4	3,222.16	1/4	2,858.43
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,633.65	1/2	4,297.20	1/2	3,942.06	1/2	3,578.32	1/2	3,214.59	1/2	2,850.85
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,626.83	3/4	4,289.99	3/4	3,934.48	3/4	3,570.74	3/4	3,207.01	3/4	2,843.27
10		10		10		10		10	4,620.01	10	4,282.78	10	3,926.90	10	3,563.17	10	3,199.43	10	2,835.70
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,613.19	1/4	4,275.56	1/4	3,919.32	1/4	3,555.59	1/4	3,191.85	1/4	2,828.12
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,606.33	1/2	4,268.32	1/2	3,911.74	1/2	3,548.01	1/2	3,184.28	1/2	2,820.54
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,599.48	3/4	4,261.07	3/4	3,904.17	3/4	3,540.43	3/4	3,176.70	3/4	2,812.95
11		11		11		11		11	4,592.62	11	4,253.83	11	3,896.59	11	3,532.85	11	3,169.12	11	2,805.37
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,585.76	1/4	4,246.58	1/4	3,889.01	1/4	3,525.28	1/4	3,161.54	1/4	2,797.79
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,578.88	1/2	4,239.31	1/2	3,881.43	1/2	3,517.70	1/2	3,153.96	1/2	2,790.21
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,571.99	3/4	4,232.03	3/4	3,873.86	3/4	3,510.12	3/4	3,146.39	3/4	2,782.63

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 52'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28723"

2 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-08 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,411.11	0	2,047.18	0	1,683.25	0	1,320.30	0	971.71	0	607.92	0	244.15	0		0		0	
1/4	2,403.53	1/4	2,039.60	1/4	1,675.67	1/4	1,313.05	1/4	964.15	1/4	600.34	1/4	236.58	1/4	1/4	1/4		1/4	1/4
1/2	2,395.95	1/2	2,032.02	1/2	1,668.09	1/2	1,305.79	1/2	956.58	1/2	592.76	1/2	229.25	1/2	1/2	1/2		1/2	1/2
3/4	2,388.37	3/4	2,024.44	3/4	1,660.51	3/4	1,298.54	3/4	949.01	3/4	585.18	3/4	221.92	3/4	3/4	3/4		3/4	3/4
1	2,380.79	1	2,016.86	1	1,652.92	1	1,291.28	1	941.44	1	577.59	1	214.60	1		1		1	
1/4	2,373.20	1/4	2,009.27	1/4	1,645.34	1/4	1,284.03	1/4	933.88	1/4	570.01	1/4	207.27	1/4	1/4	1/4		1/4	1/4
1/2	2,365.62	1/2	2,001.69	1/2	1,637.76	1/2	1,276.78	1/2	926.31	1/2	562.43	1/2	199.94	1/2	1/2	1/2		1/2	1/2
3/4	2,358.04	3/4	1,994.11	3/4	1,630.18	3/4	1,269.52	3/4	918.74	3/4	554.85	3/4	192.62	3/4	3/4	3/4		3/4	3/4
2	2,350.46	2	1,986.53	2	1,622.60	2	1,262.27	2	911.17	2	547.27	2	185.30	2		2		2	
1/4	2,342.88	1/4	1,978.95	1/4	1,615.01	1/4	1,255.01	1/4	903.61	1/4	539.69	1/4	177.97	1/4	1/4	1/4		1/4	1/4
1/2	2,335.30	1/2	1,971.36	1/2	1,607.43	1/2	1,247.76	1/2	896.03	1/2	532.10	1/2	170.66	1/2	1/2	1/2		1/2	1/2
3/4	2,327.71	3/4	1,963.78	3/4	1,599.85	3/4	1,240.50	3/4	888.44	3/4	524.52	3/4	163.34	3/4	3/4	3/4		3/4	3/4
3	2,320.13	3	1,956.20	3	1,592.27	3	1,233.25	3	880.86	3	516.94	3	156.03	3		3		3	
1/4	2,312.55	1/4	1,948.62	1/4	1,584.69	1/4	1,225.99	1/4	873.28	1/4	509.36	1/4	148.71	1/4	1/4	1/4		1/4	1/4
1/2	2,304.97	1/2	1,941.04	1/2	1,577.11	1/2	1,218.74	1/2	865.70	1/2	501.78	1/2	141.41	1/2	1/2	1/2		1/2	1/2
3/4	2,297.39	3/4	1,933.45	3/4	1,569.52	3/4	1,211.49	3/4	858.12	3/4	494.19	3/4	134.11	3/4	3/4	3/4		3/4	3/4
4	2,289.80	4	1,925.87	4	1,561.94	4	1,204.23	4	850.53	4	486.61	4	126.81	4		4		4	
1/4	2,282.22	1/4	1,918.29	1/4	1,554.36	1/4	1,196.98	1/4	842.95	1/4	479.03	1/4	119.51	1/4	1/4	1/4		1/4	1/4
1/2	2,274.64	1/2	1,910.71	1/2	1,546.78	1/2	1,189.74	1/2	835.37	1/2	471.45	1/2	112.22	1/2	1/2	1/2		1/2	1/2
3/4	2,267.06	3/4	1,903.13	3/4	1,539.20	3/4	1,182.51	3/4	827.79	3/4	463.87	3/4	104.93	3/4	3/4	3/4		3/4	3/4
5	2,259.48	5	1,895.55	5	1,531.61	5	1,175.27	5	820.21	5	456.29	5	97.64	5		5		5	
1/4	2,251.89	1/4	1,887.96	1/4	1,524.03	1/4	1,168.04	1/4	812.63	1/4	448.70	1/4	90.36	1/4	1/4	1/4		1/4	1/4
1/2	2,244.31	1/2	1,880.38	1/2	1,516.45	1/2	1,160.80	1/2	805.04	1/2	441.12	1/2	83.11	1/2	1/2	1/2		1/2	1/2
3/4	2,236.73	3/4	1,872.80	3/4	1,508.87	3/4	1,153.57	3/4	797.46	3/4	433.54	3/4	75.86	3/4	3/4	3/4		3/4	3/4
6	2,229.15	6	1,865.22	6	1,501.29	6	1,146.33	6	789.88	6	425.96	6	68.61	6		6		6	
1/4	2,221.57	1/4	1,857.64	1/4	1,493.70	1/4	1,139.10	1/4	782.30	1/4	418.38	1/4	61.37	1/4	1/4	1/4		1/4	1/4
1/2	2,213.98	1/2	1,850.05	1/2	1,486.12	1/2	1,131.86	1/2	774.72	1/2	410.80	1/2	54.74	1/2	1/2	1/2		1/2	1/2
3/4	2,206.40	3/4	1,842.47	3/4	1,478.54	3/4	1,124.63	3/4	767.14	3/4	403.21	3/4	48.11	3/4	3/4	3/4		3/4	3/4
7	2,198.82	7	1,834.89	7	1,470.96	7	1,117.39	7	759.55	7	395.63	7	41.48	7		7		7	
1/4	2,191.24	1/4	1,827.31	1/4	1,463.38	1/4	1,110.16	1/4	751.97	1/4	388.05	1/4	34.85	1/4	1/4	1/4		1/4	1/4
1/2	2,183.66	1/2	1,819.73	1/2	1,455.79	1/2	1,102.92	1/2	744.39	1/2	380.47	1/2	30.11	1/2	1/2	1/2		1/2	1/2
3/4	2,176.08	3/4	1,812.14	3/4	1,448.21	3/4	1,095.69	3/4	736.81	3/4	372.89	3/4	25.37	3/4	3/4	3/4		3/4	3/4
8	2,168.49	8	1,804.56	8	1,440.63	8	1,088.45	8	729.23	8	365.31	8	20.63	8		8		8	
1/4	2,160.91	1/4	1,796.98	1/4	1,433.05	1/4	1,081.22	1/4	721.65	1/4	357.72	1/4	15.89	1/4	1/4	1/4		1/4	1/4
1/2	2,153.33	1/2	1,789.40	1/2	1,425.47	1/2	1,073.98	1/2	714.06	1/2	350.14	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,145.75	3/4	1,781.82	3/4	1,417.89	3/4	1,066.75	3/4	706.48	3/4	342.56	3/4		3/4	3/4	3/4		3/4	3/4
9	2,138.17	9	1,774.23	9	1,410.30	9	1,059.51	9	698.90	9	334.98	9		9		9		9	
1/4	2,130.58	1/4	1,766.65	1/4	1,402.72	1/4	1,052.28	1/4	691.32	1/4	327.40	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,123.00	1/2	1,759.07	1/2	1,395.14	1/2	1,045.04	1/2	683.74	1/2	319.83	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,115.42	3/4	1,751.49	3/4	1,387.56	3/4	1,037.81	3/4	676.16	3/4	312.26	3/4		3/4	3/4	3/4		3/4	3/4
10	2,107.84	10	1,743.91	10	1,379.98	10	1,030.57	10	668.57	10	304.69	10		10		10		10	
1/4	2,100.26	1/4	1,736.33	1/4	1,372.39	1/4	1,023.34	1/4	660.99	1/4	297.13	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,092.67	1/2	1,728.74	1/2	1,364.81	1/2	1,016.10	1/2	653.41	1/2	289.56	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,085.09	3/4	1,721.16	3/4	1,357.23	3/4	1,008.87	3/4	645.83	3/4	281.99	3/4		3/4	3/4	3/4		3/4	3/4
11	2,077.51	11	1,713.58	11	1,349.65	11	1,001.63	11	638.25	11	274.42	11		11		11		11	
1/4	2,069.93	1/4	1,706.00	1/4	1,342.07	1/4	994.40	1/4	630.67	1/4	266.85	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,062.35	1/2	1,698.42	1/2	1,334.81	1/2	986.83	1/2	623.08	1/2	259.28	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,054.76	3/4	1,690.83	3/4	1,327.56	3/4	979.27	3/4	615.50	3/4	251.72	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/01/2007 CL - SW
CALCULATED: 02/02/2007 CL
PRINTED: 02/02/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2007

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



BARGE "KIRBY 28723"

2 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-08 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0		0	4,585.82	0	4,245.90	0	3,887.78	0	3,524.10	0	3,160.42	0	2,796.72
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,578.93	1/4	4,238.62	1/4	3,880.20	1/4	3,516.52	1/4	3,152.84	1/4	2,789.14
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,572.05	1/2	4,231.35	1/2	3,872.63	1/2	3,508.95	1/2	3,145.26	1/2	2,781.56
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,565.13	3/4	4,224.04	3/4	3,865.05	3/4	3,501.37	3/4	3,137.69	3/4	2,773.98
1		1		1		1	4,874.48	1	4,558.21	1	4,216.73	1	3,857.47	1	3,493.79	1	3,130.11	1	2,766.40
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,870.06	1/4	4,551.29	1/4	4,209.42	1/4	3,849.90	1/4	3,486.22	1/4	3,122.53	1/4	2,758.82
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,865.63	1/2	4,544.37	1/2	4,202.11	1/2	3,842.32	1/2	3,478.64	1/2	3,114.96	1/2	2,751.24
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,859.95	3/4	4,537.42	3/4	4,194.77	3/4	3,834.74	3/4	3,471.06	3/4	3,107.38	3/4	2,743.66
2		2		2		2	4,854.26	2	4,530.47	2	4,187.43	2	3,827.17	2	3,463.49	2	3,099.80	2	2,736.08
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,848.58	1/4	4,523.51	1/4	4,180.09	1/4	3,819.59	1/4	3,455.91	1/4	3,092.23	1/4	2,728.50
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,842.89	1/2	4,516.56	1/2	4,172.75	1/2	3,812.01	1/2	3,448.33	1/2	3,084.65	1/2	2,720.92
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,835.95	3/4	4,509.58	3/4	4,165.37	3/4	3,804.44	3/4	3,440.76	3/4	3,077.07	3/4	2,713.34
3		3		3		3	4,829.00	3	4,502.59	3	4,158.00	3	3,796.86	3	3,433.18	3	3,069.50	3	2,705.76
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,822.05	1/4	4,495.61	1/4	4,150.62	1/4	3,789.28	1/4	3,425.60	1/4	3,061.92	1/4	2,698.18
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,815.11	1/2	4,488.62	1/2	4,143.25	1/2	3,781.71	1/2	3,418.02	1/2	3,054.34	1/2	2,690.60
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,808.51	3/4	4,481.61	3/4	4,135.84	3/4	3,774.13	3/4	3,410.45	3/4	3,046.77	3/4	2,683.02
4		4		4		4	4,801.92	4	4,474.59	4	4,128.44	4	3,766.55	4	3,402.87	4	3,039.19	4	2,675.44
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,795.33	1/4	4,467.57	1/4	4,121.03	1/4	3,758.98	1/4	3,395.29	1/4	3,031.61	1/4	2,667.86
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,788.74	1/2	4,460.56	1/2	4,113.62	1/2	3,751.40	1/2	3,387.72	1/2	3,024.04	1/2	2,660.28
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,782.09	3/4	4,453.51	3/4	4,106.19	3/4	3,743.82	3/4	3,380.14	3/4	3,016.46	3/4	2,652.70
5		5		5		5	4,775.44	5	4,446.46	5	4,098.75	5	3,736.25	5	3,372.56	5	3,008.88	5	2,645.12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,768.79	1/4	4,439.41	1/4	4,091.31	1/4	3,728.67	1/4	3,364.99	1/4	3,001.31	1/4	2,637.54
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,762.14	1/2	4,432.36	1/2	4,083.87	1/2	3,721.09	1/2	3,357.41	1/2	2,993.73	1/2	2,629.96
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,755.45	3/4	4,425.28	3/4	4,076.40	3/4	3,713.52	3/4	3,349.83	3/4	2,986.15	3/4	2,622.38
6		6		6		6	4,748.76	6	4,418.20	6	4,068.93	6	3,705.94	6	3,342.26	6	2,978.58	6	2,614.80
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,742.08	1/4	4,411.12	1/4	4,061.46	1/4	3,698.36	1/4	3,334.68	1/4	2,971.00	1/4	2,607.22
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,735.39	1/2	4,404.03	1/2	4,053.98	1/2	3,690.79	1/2	3,327.10	1/2	2,963.42	1/2	2,599.64
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,728.66	3/4	4,396.92	3/4	4,046.48	3/4	3,683.21	3/4	3,319.53	3/4	2,955.85	3/4	2,592.06
7		7		7		7	4,721.94	7	4,389.81	7	4,038.98	7	3,675.63	7	3,311.95	7	2,948.27	7	2,584.48
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,715.21	1/4	4,382.69	1/4	4,031.47	1/4	3,668.06	1/4	3,304.37	1/4	2,940.69	1/4	2,576.90
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,708.49	1/2	4,375.58	1/2	4,023.97	1/2	3,660.48	1/2	3,296.80	1/2	2,933.12	1/2	2,569.32
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,701.73	3/4	4,368.43	3/4	4,016.43	3/4	3,652.90	3/4	3,289.22	3/4	2,925.54	3/4	2,561.74
8		8		8		8	4,694.97	8	4,361.28	8	4,008.90	8	3,645.33	8	3,281.64	8	2,917.96	8	2,554.16
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,688.22	1/4	4,354.14	1/4	4,001.36	1/4	3,637.75	1/4	3,274.07	1/4	2,910.39	1/4	2,546.58
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,681.46	1/2	4,346.99	1/2	3,993.83	1/2	3,630.17	1/2	3,266.49	1/2	2,902.81	1/2	2,539.00
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,674.67	3/4	4,339.81	3/4	3,986.26	3/4	3,622.60	3/4	3,258.91	3/4	2,895.23	3/4	2,531.42
9		9		9		9	4,667.88	9	4,332.63	9	3,978.69	9	3,615.02	9	3,251.34	9	2,887.66	9	2,523.84
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,661.09	1/4	4,325.45	1/4	3,971.12	1/4	3,607.44	1/4	3,243.76	1/4	2,880.08	1/4	2,516.26
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,654.30	1/2	4,318.27	1/2	3,963.55	1/2	3,599.87	1/2	3,236.18	1/2	2,872.50	1/2	2,508.68
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,647.48	3/4	4,311.06	3/4	3,955.97	3/4	3,592.29	3/4	3,228.61	3/4	2,864.93	3/4	2,501.10
10		10		10		10	4,640.66	10	4,303.85	10	3,948.39	10	3,584.71	10	3,221.03	10	2,857.35	10	2,493.52
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,633.83	1/4	4,296.64	1/4	3,940.82	1/4	3,577.14	1/4	3,213.45	1/4	2,849.78	1/4	2,485.94
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,627.01	1/2	4,289.43	1/2	3,933.24	1/2	3,569.56	1/2	3,205.88	1/2	2,842.20	1/2	2,478.36
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,620.16	3/4	4,282.18	3/4	3,925.66	3/4	3,561.98	3/4	3,198.30	3/4	2,834.62	3/4	2,470.78
11		11		11		11	4,613.30	11	4,274.94	11	3,918.09	11	3,554.41	11	3,190.72	11	2,827.04	11	2,463.20
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,606.45	1/4	4,267.70	1/4	3,910.51	1/4	3,546.83	1/4	3,183.15	1/4	2,819.46	1/4	2,455.62
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,599.59	1/2	4,260.45	1/2	3,902.93	1/2	3,539.25	1/2	3,175.57	1/2	2,811.88	1/2	2,448.04
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,592.71	3/4	4,253.18	3/4	3,895.36	3/4	3,531.68	3/4	3,167.99	3/4	2,804.30	3/4	2,440.46

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 52'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28723"

2 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-08 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,432.88	0	2,069.04	0	1,706.91	0	1,343.02	0	979.30	0	615.43	0	251.69	0		0		0	
1/4	2,425.30	1/4	2,061.46	1/4	1,699.33	1/4	1,335.44	1/4	971.72	1/4	607.85	1/4	244.12	1/4		1/4		1/4	
1/2	2,417.72	1/2	2,053.88	1/2	1,691.75	1/2	1,327.86	1/2	964.15	1/2	600.27	1/2	236.55	1/2		1/2		1/2	
3/4	2,410.14	3/4	2,046.30	3/4	1,684.17	3/4	1,320.28	3/4	956.57	3/4	592.69	3/4	229.23	3/4		3/4		3/4	
1	2,402.56	1	2,038.72	1	1,676.59	1	1,312.70	1	948.99	1	585.11	1	221.90	1		1		1	
1/4	2,394.98	1/4	2,031.14	1/4	1,669.01	1/4	1,305.12	1/4	941.41	1/4	577.53	1/4	214.57	1/4		1/4		1/4	
1/2	2,387.40	1/2	2,023.56	1/2	1,661.42	1/2	1,297.54	1/2	933.83	1/2	569.95	1/2	207.24	1/2		1/2		1/2	
3/4	2,379.82	3/4	2,015.98	3/4	1,653.84	3/4	1,289.96	3/4	926.24	3/4	562.37	3/4	199.92	3/4		3/4		3/4	
2	2,372.24	2	2,008.40	2	1,646.26	2	1,282.37	2	918.66	2	554.79	2	192.60	2		2		2	
1/4	2,364.66	1/4	2,000.82	1/4	1,638.68	1/4	1,274.79	1/4	911.08	1/4	547.20	1/4	185.28	1/4		1/4		1/4	
1/2	2,357.08	1/2	1,993.24	1/2	1,631.10	1/2	1,267.21	1/2	903.50	1/2	539.62	1/2	177.95	1/2		1/2		1/2	
3/4	2,349.50	3/4	1,985.66	3/4	1,623.52	3/4	1,259.63	3/4	895.92	3/4	532.04	3/4	170.64	3/4		3/4		3/4	
3	2,341.92	3	1,978.08	3	1,615.94	3	1,252.05	3	888.34	3	524.46	3	163.32	3		3		3	
1/4	2,334.34	1/4	1,970.50	1/4	1,608.36	1/4	1,244.47	1/4	880.76	1/4	516.88	1/4	156.01	1/4		1/4		1/4	
1/2	2,326.76	1/2	1,962.92	1/2	1,600.78	1/2	1,236.89	1/2	873.18	1/2	509.30	1/2	148.70	1/2		1/2		1/2	
3/4	2,319.18	3/4	1,955.34	3/4	1,593.20	3/4	1,229.31	3/4	865.60	3/4	501.72	3/4	141.40	3/4		3/4		3/4	
4	2,311.60	4	1,947.76	4	1,585.61	4	1,221.73	4	858.02	4	494.14	4	134.10	4		4		4	
1/4	2,304.02	1/4	1,940.18	1/4	1,578.03	1/4	1,214.15	1/4	850.44	1/4	486.56	1/4	126.80	1/4		1/4		1/4	
1/2	2,296.44	1/2	1,932.60	1/2	1,570.45	1/2	1,206.56	1/2	842.86	1/2	478.98	1/2	119.50	1/2		1/2		1/2	
3/4	2,288.86	3/4	1,925.02	3/4	1,562.87	3/4	1,198.99	3/4	835.27	3/4	471.40	3/4	112.21	3/4		3/4		3/4	
5	2,281.28	5	1,917.44	5	1,555.29	5	1,191.41	5	827.69	5	463.82	5	104.92	5		5		5	
1/4	2,273.70	1/4	1,909.86	1/4	1,547.71	1/4	1,183.84	1/4	820.11	1/4	456.23	1/4	97.63	1/4		1/4		1/4	
1/2	2,266.12	1/2	1,902.28	1/2	1,540.13	1/2	1,176.26	1/2	812.53	1/2	448.65	1/2	90.34	1/2		1/2		1/2	
3/4	2,258.54	3/4	1,894.76	3/4	1,532.55	3/4	1,168.69	3/4	804.95	3/4	441.07	3/4	83.10	3/4		3/4		3/4	
6	2,250.96	6	1,887.23	6	1,524.97	6	1,161.11	6	797.37	6	433.49	6	75.85	6		6		6	
1/4	2,243.38	1/4	1,879.70	1/4	1,517.39	1/4	1,153.54	1/4	789.79	1/4	425.91	1/4	68.60	1/4		1/4		1/4	
1/2	2,235.80	1/2	1,872.18	1/2	1,509.80	1/2	1,145.96	1/2	782.21	1/2	418.33	1/2	61.36	1/2		1/2		1/2	
3/4	2,228.22	3/4	1,864.71	3/4	1,502.22	3/4	1,138.39	3/4	774.63	3/4	410.75	3/4	54.73	3/4		3/4		3/4	
7	2,220.64	7	1,857.23	7	1,494.64	7	1,130.81	7	767.05	7	403.17	7	48.10	7		7		7	
1/4	2,213.06	1/4	1,849.76	1/4	1,487.06	1/4	1,123.23	1/4	759.47	1/4	395.59	1/4	41.47	1/4		1/4		1/4	
1/2	2,205.48	1/2	1,842.29	1/2	1,479.48	1/2	1,115.66	1/2	751.89	1/2	388.01	1/2	34.84	1/2		1/2		1/2	
3/4	2,197.90	3/4	1,834.81	3/4	1,471.90	3/4	1,108.08	3/4	744.31	3/4	380.43	3/4	30.11	3/4		3/4		3/4	
8	2,190.32	8	1,827.34	8	1,464.32	8	1,100.51	8	736.72	8	372.85	8	25.37	8		8		8	
1/4	2,182.74	1/4	1,819.87	1/4	1,456.74	1/4	1,092.93	1/4	729.14	1/4	365.27	1/4	20.63	1/4		1/4		1/4	
1/2	2,175.16	1/2	1,812.40	1/2	1,449.16	1/2	1,085.36	1/2	721.56	1/2	357.68	1/2	15.89	1/2		1/2		1/2	
3/4	2,167.58	3/4	1,804.92	3/4	1,441.58	3/4	1,077.78	3/4	713.98	3/4	350.10	3/4		3/4		3/4		3/4	
9	2,160.00	9	1,797.45	9	1,433.99	9	1,070.21	9	706.40	9	342.52	9		9		9		9	
1/4	2,152.42	1/4	1,789.98	1/4	1,426.41	1/4	1,062.63	1/4	698.82	1/4	334.94	1/4		1/4		1/4		1/4	
1/2	2,144.84	1/2	1,782.51	1/2	1,418.83	1/2	1,055.05	1/2	691.24	1/2	327.36	1/2		1/2		1/2		1/2	
3/4	2,137.26	3/4	1,774.98	3/4	1,411.25	3/4	1,047.48	3/4	683.66	3/4	319.79	3/4		3/4		3/4		3/4	
10	2,129.68	10	1,767.45	10	1,403.67	10	1,039.90	10	676.08	10	312.23	10		10		10		10	
1/4	2,122.10	1/4	1,759.92	1/4	1,396.09	1/4	1,032.33	1/4	668.50	1/4	304.66	1/4		1/4		1/4		1/4	
1/2	2,114.52	1/2	1,752.40	1/2	1,388.51	1/2	1,024.75	1/2	660.92	1/2	297.09	1/2		1/2		1/2		1/2	
3/4	2,106.94	3/4	1,744.82	3/4	1,380.93	3/4	1,017.18	3/4	653.34	3/4	289.53	3/4		3/4		3/4		3/4	
11	2,099.36	11	1,737.23	11	1,373.35	11	1,009.60	11	645.75	11	281.96	11		11		11		11	
1/4	2,091.78	1/4	1,729.65	1/4	1,365.77	1/4	1,002.03	1/4	638.17	1/4	274.39	1/4		1/4		1/4		1/4	
1/2	2,084.20	1/2	1,722.07	1/2	1,358.18	1/2	994.45	1/2	630.59	1/2	266.82	1/2		1/2		1/2		1/2	
3/4	2,076.62	3/4	1,714.49	3/4	1,350.60	3/4	986.88	3/4	623.01	3/4	259.26	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/01/2007 CL - SW
CALCULATED: 02/02/2007 CL
PRINTED: 02/02/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2007

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



BARGE "KIRBY 28723"

3 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-06 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN			
0		0		0		0		0	4,263.34	0	4,008.22	0	3,734.70	0	3,442.46	0	3,078.73	0	2,715.11		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,258.22	1/4	4,002.70	1/4	3,728.86	1/4	3,434.88	1/4	3,071.15	1/4	2,707.53		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,253.09	1/2	3,997.19	1/2	3,723.03	1/2	3,427.30	1/2	3,063.57	1/2	2,699.96		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,247.96	3/4	3,991.67	3/4	3,717.19	3/4	3,419.73	3/4	3,055.99	3/4	2,692.38		
1		1		1		1		1	4,242.80	1	3,986.12	1	3,711.36	1	3,412.15	1	3,048.41	1	2,684.81		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,237.64	1/4	3,980.57	1/4	3,705.53	1/4	3,404.57	1/4	3,040.84	1/4	2,677.23		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,232.48	1/2	3,975.02	1/2	3,699.69	1/2	3,396.99	1/2	3,033.26	1/2	2,669.66		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,459.93	3/4	4,227.31	3/4	3,969.47	3/4	3,693.86	3/4	3,389.42	3/4	3,025.68		
2		2		2		2		2	4,456.63	2	4,222.12	2	3,963.88	2	3,688.02	2	3,381.84	2	3,018.10	2	2,654.51
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,453.32	1/4	4,216.93	1/4	3,958.30	1/4	3,682.19	1/4	3,374.26	1/4	3,010.53	1/4	2,646.93
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,450.02	1/2	4,211.73	1/2	3,952.72	1/2	3,676.36	1/2	3,366.68	1/2	3,002.95	1/2	2,639.36
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,446.71	3/4	4,206.54	3/4	3,947.14	3/4	3,670.52	3/4	3,359.10	3/4	2,995.37	3/4	2,631.78
3		3		3		3		3	4,442.14	3	4,201.32	3	3,941.52	3	3,664.69	3	3,351.53	3	2,987.79	3	2,624.20
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,437.57	1/4	4,196.09	1/4	3,935.91	1/4	3,658.85	1/4	3,343.95	1/4	2,980.21	1/4	2,616.63
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,433.00	1/2	4,190.86	1/2	3,930.29	1/2	3,653.02	1/2	3,336.37	1/2	2,972.64	1/2	2,609.05
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,428.43	3/4	4,185.64	3/4	3,924.68	3/4	3,647.19	3/4	3,328.79	3/4	2,965.06	3/4	2,601.47
4		4		4		4		4	4,423.40	4	4,180.38	4	3,919.03	4	3,641.35	4	3,321.22	4	2,957.48	4	2,593.89
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,418.38	1/4	4,175.12	1/4	3,913.38	1/4	3,635.52	1/4	3,313.64	1/4	2,949.90	1/4	2,586.30
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,413.35	1/2	4,169.86	1/2	3,907.73	1/2	3,629.68	1/2	3,306.06	1/2	2,942.33	1/2	2,578.72
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,408.32	3/4	4,164.60	3/4	3,902.09	3/4	3,623.85	3/4	3,298.48	3/4	2,934.75	3/4	2,571.14
5		5		5		5		5	4,403.45	5	4,159.31	5	3,896.41	5	3,618.02	5	3,290.90	5	2,927.17	5	2,563.55
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,398.57	1/4	4,154.02	1/4	3,890.73	1/4	3,612.18	1/4	3,283.33	1/4	2,919.59	1/4	2,555.97
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,393.69	1/2	4,148.73	1/2	3,885.05	1/2	3,606.35	1/2	3,275.75	1/2	2,912.01	1/2	2,548.39
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,388.81	3/4	4,143.44	3/4	3,879.37	3/4	3,600.51	3/4	3,268.17	3/4	2,904.44	3/4	2,540.80
6		6		6		6		6	4,383.88	6	4,138.12	6	3,873.65	6	3,594.68	6	3,260.59	6	2,906.86	6	2,533.22
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,378.95	1/4	4,132.80	1/4	3,867.94	1/4	3,588.85	1/4	3,253.01	1/4	2,899.28	1/4	2,525.64
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,374.03	1/2	4,127.47	1/2	3,862.23	1/2	3,583.01	1/2	3,245.44	1/2	2,891.70	1/2	2,518.05
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,369.10	3/4	4,122.15	3/4	3,856.52	3/4	3,577.18	3/4	3,237.86	3/4	2,874.12	3/4	2,510.47
7		7		7		7		7	4,364.13	7	4,116.79	7	3,850.77	7	3,571.34	7	3,230.28	7	2,866.55	7	2,502.89
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,359.17	1/4	4,111.44	1/4	3,845.03	1/4	3,565.51	1/4	3,222.70	1/4	2,858.98	1/4	2,495.30
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,354.20	1/2	4,106.08	1/2	3,839.28	1/2	3,559.68	1/2	3,215.13	1/2	2,851.40	1/2	2,487.72
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,349.23	3/4	4,100.73	3/4	3,833.54	3/4	3,553.84	3/4	3,207.55	3/4	2,843.83	3/4	2,480.14
8		8		8		8		8	4,344.23	8	4,095.34	8	3,827.76	8	3,548.01	8	3,199.97	8	2,836.26	8	2,472.55
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,339.24	1/4	4,089.95	1/4	3,821.98	1/4	3,542.17	1/4	3,192.39	1/4	2,828.69	1/4	2,464.97
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,334.24	1/2	4,084.56	1/2	3,816.21	1/2	3,536.34	1/2	3,184.81	1/2	2,821.11	1/2	2,457.39
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,329.24	3/4	4,079.17	3/4	3,810.43	3/4	3,530.51	3/4	3,177.24	3/4	2,813.54	3/4	2,449.80
9		9		9		9		9	4,324.21	9	4,073.75	9	3,804.62	9	3,524.67	9	3,169.66	9	2,805.97	9	2,442.22
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,319.18	1/4	4,068.33	1/4	3,798.81	1/4	3,518.84	1/4	3,162.08	1/4	2,798.40	1/4	2,434.64
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,314.14	1/2	4,062.91	1/2	3,793.00	1/2	3,513.00	1/2	3,154.50	1/2	2,790.83	1/2	2,427.05
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,309.11	3/4	4,057.49	3/4	3,787.19	3/4	3,507.17	3/4	3,146.93	3/4	2,783.26	3/4	2,419.47
10		10		10		10		10	4,304.05	10	4,052.04	10	3,781.36	10	3,500.46	10	3,139.35	10	2,775.69	10	2,411.89
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,298.99	1/4	4,046.59	1/4	3,775.53	1/4	3,493.76	1/4	3,131.77	1/4	2,768.12	1/4	2,404.30
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,293.92	1/2	4,041.13	1/2	3,769.70	1/2	3,487.05	1/2	3,124.19	1/2	2,760.55	1/2	2,396.72
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,288.86	3/4	4,035.68	3/4	3,763.87	3/4	3,480.35	3/4	3,116.61	3/4	2,752.98	3/4	2,389.14
11		11		11		11		11	4,283.76	11	4,030.20	11	3,758.03	11	3,472.77	11	3,109.04	11	2,745.40	11	2,381.55
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,278.67	1/4	4,024.71	1/4	3,752.20	1/4	3,465.19	1/4	3,101.46	1/4	2,737.83	1/4	2,373.97
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,273.57	1/2	4,019.22	1/2	3,746.36	1/2	3,457.62	1/2	3,093.88	1/2	2,730.26	1/2	2,366.39
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,268.47	3/4	4,013.74	3/4	3,740.53	3/4	3,450.04	3/4	3,086.30	3/4	2,722.68	3/4	2,358.80

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 52'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28723"

3 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-06 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,351.22	0	1,987.97	0	1,624.88	0	1,261.04	0	905.50	0	547.77	0	183.78	0		0		0	
1/4	2,343.63	1/4	1,980.42	1/4	1,617.30	1/4	1,253.46	1/4	898.23	1/4	540.19	1/4	176.20	1/4		1/4		1/4	
1/2	2,336.05	1/2	1,972.87	1/2	1,609.72	1/2	1,245.88	1/2	890.96	1/2	532.62	1/2	168.61	1/2		1/2		1/2	
3/4	2,328.47	3/4	1,965.32	3/4	1,602.14	3/4	1,238.30	3/4	883.69	3/4	525.04	3/4	161.03	3/4		3/4		3/4	
1	2,320.88	1	1,957.77	1	1,594.56	1	1,230.72	1	876.42	1	517.47	1	153.88	1		1		1	
1/4	2,313.30	1/4	1,950.22	1/4	1,586.98	1/4	1,223.14	1/4	869.15	1/4	509.91	1/4	146.74	1/4		1/4		1/4	
1/2	2,305.72	1/2	1,942.67	1/2	1,579.40	1/2	1,215.56	1/2	861.88	1/2	502.34	1/2	139.59	1/2		1/2		1/2	
3/4	2,298.13	3/4	1,935.12	3/4	1,571.82	3/4	1,207.98	3/4	854.60	3/4	494.77	3/4	132.44	3/4		3/4		3/4	
2	2,290.55	2	1,927.57	2	1,564.24	2	1,200.40	2	847.33	2	487.20	2	126.37	2		2		2	
1/4	2,282.97	1/4	1,920.02	1/4	1,556.66	1/4	1,192.82	1/4	840.05	1/4	479.64	1/4	120.29	1/4		1/4		1/4	
1/2	2,275.38	1/2	1,912.47	1/2	1,549.08	1/2	1,185.24	1/2	832.78	1/2	472.07	1/2	114.22	1/2		1/2		1/2	
3/4	2,267.80	3/4	1,904.92	3/4	1,541.50	3/4	1,177.66	3/4	825.50	3/4	464.50	3/4	108.14	3/4		3/4		3/4	
3	2,260.22	3	1,897.37	3	1,533.92	3	1,170.08	3	818.22	3	456.94	3	103.34	3		3		3	
1/4	2,252.63	1/4	1,889.82	1/4	1,526.34	1/4	1,162.50	1/4	810.94	1/4	449.37	1/4	98.54	1/4		1/4		1/4	
1/2	2,245.05	1/2	1,882.27	1/2	1,518.76	1/2	1,154.92	1/2	803.66	1/2	441.80	1/2	93.74	1/2		1/2		1/2	
3/4	2,237.47	3/4	1,874.72	3/4	1,511.18	3/4	1,147.34	3/4	796.38	3/4	434.24	3/4	88.94	3/4		3/4		3/4	
4	2,229.88	4	1,867.17	4	1,503.60	4	1,139.76	4	789.08	4	426.66	4	85.41	4		4		4	
1/4	2,222.30	1/4	1,859.62	1/4	1,496.02	1/4	1,132.18	1/4	781.78	1/4	419.08	1/4	81.89	1/4		1/4		1/4	
1/2	2,214.72	1/2	1,852.07	1/2	1,488.44	1/2	1,124.60	1/2	774.48	1/2	411.51	1/2	78.37	1/2		1/2		1/2	
3/4	2,207.13	3/4	1,844.52	3/4	1,480.86	3/4	1,117.02	3/4	767.18	3/4	403.93	3/4	74.85	3/4		3/4		3/4	
5	2,199.55	5	1,836.97	5	1,473.28	5	1,109.58	5	759.74	5	396.34	5	72.60	5		5		5	
1/4	2,191.97	1/4	1,829.42	1/4	1,465.70	1/4	1,102.15	1/4	752.29	1/4	388.76	1/4	70.36	1/4		1/4		1/4	
1/2	2,184.38	1/2	1,821.87	1/2	1,458.12	1/2	1,094.72	1/2	744.84	1/2	381.17	1/2	68.12	1/2		1/2		1/2	
3/4	2,176.80	3/4	1,814.32	3/4	1,450.54	3/4	1,087.28	3/4	737.40	3/4	373.59	3/4	65.88	3/4		3/4		3/4	
6	2,169.23	6	1,806.75	6	1,442.96	6	1,080.01	6	729.81	6	366.00	6	64.93	6		6		6	
1/4	2,161.67	1/4	1,799.19	1/4	1,435.38	1/4	1,072.73	1/4	722.23	1/4	358.41	1/4	63.98	1/4		1/4		1/4	
1/2	2,154.10	1/2	1,791.62	1/2	1,427.80	1/2	1,065.45	1/2	714.64	1/2	350.81	1/2	63.03	1/2		1/2		1/2	
3/4	2,146.53	3/4	1,784.06	3/4	1,420.22	3/4	1,058.17	3/4	707.05	3/4	343.22	3/4	62.08	3/4		3/4		3/4	
7	2,138.98	7	1,776.48	7	1,412.64	7	1,050.90	7	699.47	7	335.63	7		7		7		7	
1/4	2,131.43	1/4	1,768.90	1/4	1,405.06	1/4	1,043.63	1/4	691.88	1/4	328.03	1/4		1/4		1/4		1/4	
1/2	2,123.88	1/2	1,761.32	1/2	1,397.48	1/2	1,036.36	1/2	684.30	1/2	320.43	1/2		1/2		1/2		1/2	
3/4	2,116.33	3/4	1,753.74	3/4	1,389.90	3/4	1,029.09	3/4	676.71	3/4	312.83	3/4		3/4		3/4		3/4	
8	2,108.78	8	1,746.16	8	1,382.32	8	1,021.82	8	669.13	8	305.24	8		8		8		8	
1/4	2,101.23	1/4	1,738.58	1/4	1,374.74	1/4	1,014.55	1/4	661.54	1/4	297.64	1/4		1/4		1/4		1/4	
1/2	2,093.68	1/2	1,731.00	1/2	1,367.16	1/2	1,007.28	1/2	653.96	1/2	290.04	1/2		1/2		1/2		1/2	
3/4	2,086.13	3/4	1,723.42	3/4	1,359.58	3/4	1,000.01	3/4	646.37	3/4	282.45	3/4		3/4		3/4		3/4	
9	2,078.58	9	1,715.84	9	1,352.00	9	992.74	9	638.78	9	274.85	9		9		9		9	
1/4	2,071.03	1/4	1,708.26	1/4	1,344.42	1/4	985.47	1/4	631.20	1/4	267.25	1/4		1/4		1/4		1/4	
1/2	2,063.48	1/2	1,700.68	1/2	1,336.84	1/2	978.20	1/2	623.61	1/2	259.66	1/2		1/2		1/2		1/2	
3/4	2,055.93	3/4	1,693.10	3/4	1,329.26	3/4	970.93	3/4	616.03	3/4	252.06	3/4		3/4		3/4		3/4	
10	2,048.38	10	1,685.52	10	1,321.68	10	963.66	10	608.44	10	244.47	10		10		10		10	
1/4	2,040.83	1/4	1,677.94	1/4	1,314.10	1/4	956.39	1/4	600.86	1/4	236.88	1/4		1/4		1/4		1/4	
1/2	2,033.28	1/2	1,670.36	1/2	1,306.52	1/2	949.12	1/2	593.27	1/2	229.29	1/2		1/2		1/2		1/2	
3/4	2,025.73	3/4	1,662.78	3/4	1,298.94	3/4	941.85	3/4	585.69	3/4	221.70	3/4		3/4		3/4		3/4	
11	2,018.18	11	1,655.20	11	1,291.36	11	934.58	11	578.10	11	214.11	11		11		11		11	
1/4	2,010.63	1/4	1,647.62	1/4	1,283.78	1/4	927.31	1/4	570.52	1/4	206.53	1/4		1/4		1/4		1/4	
1/2	2,003.08	1/2	1,640.04	1/2	1,276.20	1/2	920.04	1/2	562.93	1/2	198.95	1/2		1/2		1/2		1/2	
3/4	1,995.52	3/4	1,632.46	3/4	1,268.62	3/4	912.77	3/4	555.34	3/4	191.36	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/01/2007 CL - SW
CALCULATED: 02/02/2007 CL
PRINTED: 02/02/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2007

PRECISION MEASUREMENT
& ANALYSIS, INC.
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<http://www.pmacorp.net>



BARGE "KIRBY 28723"

3 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-06 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0		0	4,274.61	0	4,018.83	0	3,744.78	0	3,449.02	0	3,084.62	0	2,720.21
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,269.48	1/4	4,013.31	1/4	3,738.95	1/4	3,441.43	1/4	3,077.03	1/4	2,712.61
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,264.32	1/2	4,007.76	1/2	3,733.12	1/2	3,433.83	1/2	3,069.44	1/2	2,705.02
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,259.17	3/4	4,002.21	3/4	3,727.29	3/4	3,426.24	3/4	3,061.85	3/4	2,697.42
1		1		1		1		1	4,254.01	1	3,996.67	1	3,721.46	1	3,418.65	1	3,054.25	1	2,689.83
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,481.35	1/4	4,248.85	1/4	3,991.12	1/4	3,715.62	1/4	3,411.06	1/4	3,046.66
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,478.05	1/2	4,243.66	1/2	3,985.54	1/2	3,709.79	1/2	3,403.47	1/2	3,039.07
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,474.74	3/4	4,238.47	3/4	3,979.96	3/4	3,703.96	3/4	3,395.88	3/4	3,031.48
2		2		2		2		2	4,471.44	2	4,233.28	2	3,974.38	2	3,698.13	2	3,388.29	2	3,023.89
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,468.14	1/4	4,228.09	1/4	3,968.80	1/4	3,692.30	1/4	3,380.69	1/4	3,016.30
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,463.57	1/2	4,222.86	1/2	3,963.19	1/2	3,686.46	1/2	3,373.10	1/2	3,008.71
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,459.00	3/4	4,217.64	3/4	3,957.57	3/4	3,680.63	3/4	3,365.51	3/4	3,001.11
3		3		3		3		3	4,454.43	3	4,212.42	3	3,951.96	3	3,674.80	3	3,357.92	3	2,993.52
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,449.86	1/4	4,207.19	1/4	3,946.35	1/4	3,668.97	1/4	3,350.33	1/4	2,985.93
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,444.84	1/2	4,201.94	1/2	3,940.70	1/2	3,663.14	1/2	3,342.74	1/2	2,978.34
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,439.81	3/4	4,196.68	3/4	3,935.06	3/4	3,657.31	3/4	3,335.14	3/4	2,970.75
4		4		4		4		4	4,434.79	4	4,191.42	4	3,929.41	4	3,651.47	4	3,327.55	4	2,963.16
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,429.77	1/4	4,186.17	1/4	3,923.77	1/4	3,645.64	1/4	3,319.96	1/4	2,955.56
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,424.89	1/2	4,180.88	1/2	3,918.09	1/2	3,639.81	1/2	3,312.37	1/2	2,947.97
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,420.02	3/4	4,175.59	3/4	3,912.41	3/4	3,633.98	3/4	3,304.78	3/4	2,940.38
5		5		5		5		5	4,415.14	5	4,170.30	5	3,906.73	5	3,628.15	5	3,297.19	5	2,932.79
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,410.26	1/4	4,165.02	1/4	3,901.06	1/4	3,622.31	1/4	3,289.59	1/4	2,925.20
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,405.34	1/2	4,159.69	1/2	3,895.35	1/2	3,616.48	1/2	3,282.00	1/2	2,917.61
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,400.41	3/4	4,154.37	3/4	3,889.64	3/4	3,610.65	3/4	3,274.41	3/4	2,910.01
6		6		6		6		6	4,395.49	6	4,149.05	6	3,883.93	6	3,604.82	6	3,266.82	6	2,902.42
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,390.56	1/4	4,143.73	1/4	3,878.22	1/4	3,598.99	1/4	3,259.23	1/4	2,894.83
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,385.60	1/2	4,138.38	1/2	3,872.47	1/2	3,593.16	1/2	3,251.64	1/2	2,887.24
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,380.63	3/4	4,133.03	3/4	3,866.73	3/4	3,587.32	3/4	3,244.04	3/4	2,879.65
7		7		7		7		7	4,375.67	7	4,127.67	7	3,860.99	7	3,581.49	7	3,236.45	7	2,872.06
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,370.71	1/4	4,122.32	1/4	3,855.25	1/4	3,575.66	1/4	3,228.86	1/4	2,864.46
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,365.71	1/2	4,116.93	1/2	3,849.47	1/2	3,569.83	1/2	3,221.27	1/2	2,856.87
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,360.71	3/4	4,111.55	3/4	3,843.70	3/4	3,564.00	3/4	3,213.68	3/4	2,849.28
8		8		8		8		8	4,355.72	8	4,106.16	8	3,837.92	8	3,558.17	8	3,206.09	8	2,841.69
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,350.72	1/4	4,100.78	1/4	3,832.15	1/4	3,552.33	1/4	3,198.50	1/4	2,834.10
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,345.69	1/2	4,095.36	1/2	3,826.34	1/2	3,546.50	1/2	3,190.90	1/2	2,826.51
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,340.66	3/4	4,089.94	3/4	3,820.53	3/4	3,540.67	3/4	3,183.31	3/4	2,818.92
9		9		9		9		9	4,335.63	9	4,084.52	9	3,814.72	9	3,534.84	9	3,175.72	9	2,811.32
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,330.61	1/4	4,079.11	1/4	3,808.92	1/4	3,529.01	1/4	3,168.13	1/4	2,803.73
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,325.55	1/2	4,073.66	1/2	3,803.09	1/2	3,522.29	1/2	3,160.54	1/2	2,796.14
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,320.48	3/4	4,068.20	3/4	3,797.26	3/4	3,515.58	3/4	3,152.95	3/4	2,788.55
10		10		10		10		10	4,315.42	10	4,062.75	10	3,791.43	10	3,508.87	10	3,145.35	10	2,780.96
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,310.36	1/4	4,057.30	1/4	3,785.61	1/4	3,502.16	1/4	3,137.76	1/4	2,773.37
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,305.27	1/2	4,051.82	1/2	3,779.77	1/2	3,494.57	1/2	3,130.17	1/2	2,765.77
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,300.17	3/4	4,046.34	3/4	3,773.94	3/4	3,486.98	3/4	3,122.58	3/4	2,758.18
11		11		11		11		11	4,295.08	11	4,040.86	11	3,768.11	11	3,479.38	11	3,114.99	11	2,750.59
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,289.99	1/4	4,035.37	1/4	3,762.28	1/4	3,471.79	1/4	3,107.40	1/4	2,743.00
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,284.86	1/2	4,029.86	1/2	3,756.45	1/2	3,464.20	1/2	3,099.80	1/2	2,735.40
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,279.73	3/4	4,024.34	3/4	3,750.61	3/4	3,456.61	3/4	3,092.21	3/4	2,727.81

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 52'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28723"

3 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-06 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,355.62	0	1,991.02	0	1,626.74	0	1,262.11	0	897.64	0	533.04	0	168.55	0		0		0	
1/4	2,348.02	1/4	1,983.43	1/4	1,619.14	1/4	1,254.52	1/4	890.05	1/4	525.45	1/4	160.96	1/4		1/4		1/4	
1/2	2,340.43	1/2	1,975.83	1/2	1,611.55	1/2	1,246.92	1/2	882.46	1/2	517.85	1/2	153.82	1/2		1/2		1/2	
3/4	2,332.83	3/4	1,968.24	3/4	1,603.95	3/4	1,239.32	3/4	874.86	3/4	510.25	3/4	146.67	3/4		3/4		3/4	
1	2,325.23	1	1,960.64	1	1,596.35	1	1,231.73	1	867.27	1	502.66	1	139.53	1		1		1	
1/4	2,317.64	1/4	1,953.04	1/4	1,588.76	1/4	1,224.13	1/4	859.68	1/4	495.06	1/4	132.38	1/4		1/4		1/4	
1/2	2,310.04	1/2	1,945.45	1/2	1,581.16	1/2	1,216.53	1/2	852.08	1/2	487.46	1/2	126.31	1/2		1/2		1/2	
3/4	2,302.45	3/4	1,937.85	3/4	1,573.56	3/4	1,208.94	3/4	844.49	3/4	479.87	3/4	120.23	3/4		3/4		3/4	
2	2,294.85	2	1,930.26	2	1,565.97	2	1,201.34	2	836.89	2	472.27	2	114.16	2		2		2	
1/4	2,287.26	1/4	1,922.66	1/4	1,558.37	1/4	1,193.74	1/4	829.29	1/4	464.68	1/4	108.09	1/4		1/4		1/4	
1/2	2,279.66	1/2	1,915.07	1/2	1,550.78	1/2	1,186.15	1/2	821.70	1/2	457.08	1/2	103.29	1/2		1/2		1/2	
3/4	2,272.06	3/4	1,907.47	3/4	1,543.18	3/4	1,178.55	3/4	814.10	3/4	449.48	3/4	98.49	3/4		3/4		3/4	
3	2,264.47	3	1,899.87	3	1,535.58	3	1,170.96	3	806.51	3	441.89	3	93.69	3		3		3	
1/4	2,256.87	1/4	1,892.28	1/4	1,527.99	1/4	1,163.36	1/4	798.91	1/4	434.29	1/4	88.89	1/4		1/4		1/4	
1/2	2,249.28	1/2	1,884.68	1/2	1,520.39	1/2	1,155.76	1/2	791.31	1/2	426.70	1/2	85.37	1/2		1/2		1/2	
3/4	2,241.68	3/4	1,877.09	3/4	1,512.79	3/4	1,148.17	3/4	783.72	3/4	419.10	3/4	81.85	3/4		3/4		3/4	
4	2,234.09	4	1,869.49	4	1,505.20	4	1,140.57	4	776.12	4	411.50	4	78.33	4		4		4	
1/4	2,226.49	1/4	1,861.90	1/4	1,497.60	1/4	1,132.97	1/4	768.52	1/4	403.91	1/4	74.81	1/4		1/4		1/4	
1/2	2,218.89	1/2	1,854.30	1/2	1,490.00	1/2	1,125.38	1/2	760.93	1/2	396.31	1/2	72.57	1/2		1/2		1/2	
3/4	2,211.30	3/4	1,846.70	3/4	1,482.41	3/4	1,117.79	3/4	753.33	3/4	388.71	3/4	70.33	3/4		3/4		3/4	
5	2,203.70	5	1,839.11	5	1,474.81	5	1,110.19	5	745.74	5	381.12	5	68.09	5		5		5	
1/4	2,196.11	1/4	1,831.51	1/4	1,467.22	1/4	1,102.60	1/4	738.14	1/4	373.52	1/4	65.85	1/4		1/4		1/4	
1/2	2,188.51	1/2	1,823.92	1/2	1,459.62	1/2	1,095.01	1/2	730.54	1/2	365.93	1/2	64.90	1/2		1/2		1/2	
3/4	2,180.92	3/4	1,816.33	3/4	1,452.02	3/4	1,087.42	3/4	722.95	3/4	358.33	3/4	63.96	3/4		3/4		3/4	
6	2,173.32	6	1,808.74	6	1,444.43	6	1,079.83	6	715.35	6	350.73	6	63.01	6		6		6	
1/4	2,165.72	1/4	1,801.15	1/4	1,436.83	1/4	1,072.23	1/4	707.75	1/4	343.14	1/4	62.06	1/4		1/4		1/4	
1/2	2,158.13	1/2	1,793.57	1/2	1,429.23	1/2	1,064.64	1/2	700.16	1/2	335.54	1/2		1/2		1/2		1/2	
3/4	2,150.53	3/4	1,785.99	3/4	1,421.64	3/4	1,057.05	3/4	692.56	3/4	327.94	3/4		3/4		3/4		3/4	
7	2,142.94	7	1,778.41	7	1,414.04	7	1,049.46	7	684.97	7	320.35	7		7		7		7	
1/4	2,135.34	1/4	1,770.83	1/4	1,406.44	1/4	1,041.87	1/4	677.37	1/4	312.75	1/4		1/4		1/4		1/4	
1/2	2,127.75	1/2	1,763.25	1/2	1,398.85	1/2	1,034.28	1/2	669.77	1/2	305.16	1/2		1/2		1/2		1/2	
3/4	2,120.15	3/4	1,755.67	3/4	1,391.25	3/4	1,026.69	3/4	662.18	3/4	297.56	3/4		3/4		3/4		3/4	
8	2,112.55	8	1,748.10	8	1,383.65	8	1,019.10	8	654.58	8	289.96	8		8		8		8	
1/4	2,104.96	1/4	1,740.52	1/4	1,376.06	1/4	1,011.51	1/4	646.98	1/4	282.37	1/4		1/4		1/4		1/4	
1/2	2,097.36	1/2	1,732.95	1/2	1,368.46	1/2	1,003.92	1/2	639.39	1/2	274.77	1/2		1/2		1/2		1/2	
3/4	2,089.77	3/4	1,725.37	3/4	1,360.87	3/4	996.32	3/4	631.79	3/4	267.17	3/4		3/4		3/4		3/4	
9	2,082.17	9	1,717.79	9	1,353.27	9	988.73	9	624.20	9	259.58	9		9		9		9	
1/4	2,074.58	1/4	1,710.22	1/4	1,345.67	1/4	981.14	1/4	616.60	1/4	251.98	1/4		1/4		1/4		1/4	
1/2	2,066.98	1/2	1,702.64	1/2	1,338.08	1/2	973.55	1/2	609.00	1/2	244.39	1/2		1/2		1/2		1/2	
3/4	2,059.38	3/4	1,695.06	3/4	1,330.48	3/4	965.96	3/4	601.41	3/4	236.80	3/4		3/4		3/4		3/4	
10	2,051.79	10	1,687.48	10	1,322.88	10	958.37	10	593.81	10	229.21	10		10		10		10	
1/4	2,044.19	1/4	1,679.89	1/4	1,315.29	1/4	950.78	1/4	586.22	1/4	221.62	1/4		1/4		1/4		1/4	
1/2	2,036.60	1/2	1,672.30	1/2	1,307.69	1/2	943.19	1/2	578.62	1/2	214.04	1/2		1/2		1/2		1/2	
3/4	2,029.00	3/4	1,664.71	3/4	1,300.09	3/4	935.60	3/4	571.02	3/4	206.46	3/4		3/4		3/4		3/4	
11	2,021.41	11	1,657.12	11	1,292.50	11	928.01	11	563.43	11	198.88	11		11		11		11	
1/4	2,013.81	1/4	1,649.53	1/4	1,284.90	1/4	920.41	1/4	555.83	1/4	191.29	1/4		1/4		1/4		1/4	
1/2	2,006.21	1/2	1,641.93	1/2	1,277.31	1/2	912.82	1/2	548.23	1/2	183.71	1/2		1/2		1/2		1/2	
3/4	1,998.62	3/4	1,634.34	3/4	1,269.71	3/4	905.23	3/4	540.64	3/4	176.13	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/01/2007 CL - SW
CALCULATED: 02/02/2007 CL
PRINTED: 02/02/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2007

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