



BARGE "KIRBY 10243"

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 CENTER	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4	00-7/8	- 00-7/8
2 CENTER	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8
3 CENTER	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2

(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 1 CENTER IS - 00-1/4"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED ULLAGE IS 3'-11 3/4"

LENGTH BETWEEN DRAFT MARKS: 163'-06"

August 29, 2012

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 10243"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
							3,759.28		3,534.45		3,281.83		3,029.20		2,768.26		2,472.94		2,176.97		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,758.25	1/4	3,529.19	1/4	3,276.56	1/4	3,023.94	1/4	2,762.11	1/4	2,466.77	1/4	2,170.80		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,757.22	1/2	3,523.93	1/2	3,271.30	1/2	3,018.68	1/2	2,755.96	1/2	2,460.61	1/2	2,164.64		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,756.18	3/4	3,518.66	3/4	3,266.04	3/4	3,013.41	3/4	2,749.81	3/4	2,454.44	3/4	2,158.47		
1	1	1	1	1	1	1	3,753.09	1	3,513.40	1	3,260.78	1	3,008.15	1	2,743.67	1	2,448.28	1	2,152.30		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,749.99	1/4	3,508.14	1/4	3,255.51	1/4	3,002.89	1/4	2,737.52	1/4	2,442.11	1/4	2,146.14		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,746.90	1/2	3,502.87	1/2	3,250.25	1/2	2,997.63	1/2	2,731.37	1/2	2,435.94	1/2	2,139.97		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,743.80	3/4	3,497.61	3/4	3,244.99	3/4	2,992.36	3/4	2,725.22	3/4	2,429.78	3/4	2,133.80		
2	2	2	2	2	2	2	3,739.66	2	3,492.35	2	3,239.72	2	2,987.10	2	2,719.08	2	2,423.61	2	2,127.64		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,735.51	1/4	3,487.08	1/4	3,234.46	1/4	2,981.84	1/4	2,712.93	1/4	2,417.45	1/4	2,121.47		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,731.37	1/2	3,481.82	1/2	3,229.20	1/2	2,976.57	1/2	2,706.78	1/2	2,411.28	1/2	2,115.31		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,727.22	3/4	3,476.56	3/4	3,223.93	3/4	2,971.31	3/4	2,700.63	3/4	2,405.11	3/4	2,109.14		
3	3	3	3	3	3	3	3,722.09	3	3,471.30	3	3,218.67	3	2,966.05	3	2,694.49	3	2,398.95	3	2,102.97		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,716.96	1/4	3,466.03	1/4	3,213.41	1/4	2,960.78	1/4	2,688.34	1/4	2,392.78	1/4	2,096.81		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,711.84	1/2	3,460.77	1/2	3,208.15	1/2	2,955.52	1/2	2,682.19	1/2	2,386.61	1/2	2,090.64		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,706.71	3/4	3,455.51	3/4	3,202.88	3/4	2,950.26	3/4	2,676.05	3/4	2,380.45	3/4	2,084.48		
4	4	4	4	4	4	4	3,701.54	4	3,450.24	4	3,197.62	4	2,945.00	4	2,669.90	4	2,374.28	4	2,078.31		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,696.38	1/4	3,444.98	1/4	3,192.36	1/4	2,939.73	1/4	2,663.75	1/4	2,368.12	1/4	2,072.14		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,691.21	1/2	3,439.72	1/2	3,187.09	1/2	2,934.47	1/2	2,657.60	1/2	2,361.95	1/2	2,065.98		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,686.05	3/4	3,434.45	3/4	3,181.83	3/4	2,929.21	3/4	2,651.46	3/4	2,355.78	3/4	2,059.81		
5	5	5	5	5	5	5	3,680.87	5	3,429.19	5	3,176.57	5	2,923.94	5	2,645.31	5	2,349.62	5	2,053.65		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,675.69	1/4	3,423.93	1/4	3,171.30	1/4	2,918.68	1/4	2,639.16	1/4	2,343.45	1/4	2,047.48		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,670.51	1/2	3,418.67	1/2	3,166.04	1/2	2,913.42	1/2	2,633.01	1/2	2,337.29	1/2	2,041.31		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,665.33	3/4	3,413.40	3/4	3,160.78	3/4	2,908.15	3/4	2,626.87	3/4	2,331.12	3/4	2,035.15		
6	6	6	6	6	6	6	3,660.16	6	3,408.14	6	3,155.52	6	2,902.89	6	2,620.72	6	2,324.95	6	2,028.98		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,654.98	1/4	3,402.88	1/4	3,150.25	1/4	2,897.63	1/4	2,614.57	1/4	2,318.79	1/4	2,022.82		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,649.81	1/2	3,397.61	1/2	3,144.99	1/2	2,892.37	1/2	2,608.43	1/2	2,312.62	1/2	2,016.65		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,644.63	3/4	3,392.35	3/4	3,139.73	3/4	2,887.10	3/4	2,602.28	3/4	2,306.46	3/4	2,010.48		
7	7	7	7	7	7	7	3,639.45	7	3,387.09	7	3,134.46	7	2,881.84	7	2,596.13	7	2,300.29	7	2,004.32		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,634.28	1/4	3,381.82	1/4	3,129.20	1/4	2,876.58	1/4	2,589.98	1/4	2,294.12	1/4	1,998.15		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,629.10	1/2	3,376.56	1/2	3,123.94	1/2	2,871.31	1/2	2,583.84	1/2	2,287.96	1/2	1,991.98		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,623.92	3/4	3,371.30	3/4	3,118.67	3/4	2,866.05	3/4	2,577.69	3/4	2,281.79	3/4	1,985.82		
8	8	8	8	8	8	8	3,618.66	8	3,366.04	8	3,113.41	8	2,860.76	8	2,571.54	8	2,275.63	8	1,979.65		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,613.40	1/4	3,360.77	1/4	3,108.15	1/4	2,855.47	1/4	2,565.39	1/4	2,269.46	1/4	1,973.49		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,608.13	1/2	3,355.51	1/2	3,102.89	1/2	2,850.19	1/2	2,559.25	1/2	2,263.29	1/2	1,967.32		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,602.87	3/4	3,350.25	3/4	3,097.62	3/4	2,844.90	3/4	2,553.10	3/4	2,257.13	3/4	1,961.15		
9	9	9	9	9	9	9	3,597.61	9	3,344.98	9	3,092.36	9	2,839.61	9	2,546.93	9	2,250.96	9	1,954.99		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,592.34	1/4	3,339.72	1/4	3,087.10	1/4	2,834.32	1/4	2,540.77	1/4	2,244.79	1/4	1,948.82		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,587.08	1/2	3,334.46	1/2	3,081.83	1/2	2,829.03	1/2	2,534.60	1/2	2,238.63	1/2	1,942.66		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,581.82	3/4	3,329.19	3/4	3,076.57	3/4	2,823.75	3/4	2,528.44	3/4	2,232.46	3/4	1,936.49		
10	10	10	10	10	10	10	3,576.56	10	3,323.93	10	3,071.31	10	2,817.56	10	2,522.27	10	2,226.30	10	1,930.32		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,571.29	1/4	3,318.67	1/4	3,066.04	1/4	2,811.37	1/4	2,516.10	1/4	2,220.13	1/4	1,924.16		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,566.03	1/2	3,313.41	1/2	3,060.78	1/2	2,805.18	1/2	2,509.94	1/2	2,213.96	1/2	1,917.99		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,560.77	3/4	3,308.14	3/4	3,055.52	3/4	2,798.99	3/4	2,503.77	3/4	2,207.80	3/4	1,911.83		
11	11	11	11	11	11	11	3,555.50	11	3,302.88	11	3,050.26	11	2,792.84	11	2,497.60	11	2,201.63	11	1,905.66		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,550.24	1/4	3,297.62	1/4	3,044.99	1/4	2,786.70	1/4	2,491.44	1/4	2,195.47	1/4	1,899.49		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,544.98	1/2	3,292.35	1/2	3,039.73	1/2	2,780.55	1/2	2,485.27	1/2	2,189.30	1/2	1,893.33		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,760.31	3/4	3,539.71	3/4	3,287.09	3/4	3,034.47	3/4	2,774.40	3/4	2,479.11	3/4	2,183.13	3/4	1,887.16

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 ON CENTERLINE AND 32'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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BARGE "KIRBY 10243"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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	1,880.99	0	1,584.78	0	1,288.40	0	992.02	0	701.67	0	405.14	0	108.59	0		0		0	
1/4	1,874.83	1/4	1,578.60	1/4	1,282.22	1/4	985.84	1/4	695.51	1/4	398.96	1/4	102.44	1/4		1/4		1/4	
1/2	1,868.66	1/2	1,572.43	1/2	1,276.05	1/2	979.67	1/2	689.35	1/2	392.78	1/2	96.29	1/2		1/2		1/2	
3/4	1,862.50	3/4	1,566.25	3/4	1,269.87	3/4	973.49	3/4	683.19	3/4	386.60	3/4	90.14	3/4		3/4		3/4	
1	1,856.33	1	1,560.08	1	1,263.70	1	967.38	1	677.01	1	380.43	1	84.02	1		1		1	
1/4	1,850.16	1/4	1,553.90	1/4	1,257.52	1/4	961.27	1/4	670.83	1/4	374.25	1/4	77.90	1/4		1/4		1/4	
1/2	1,844.00	1/2	1,547.73	1/2	1,251.35	1/2	955.16	1/2	664.65	1/2	368.07	1/2	71.78	1/2		1/2		1/2	
3/4	1,837.83	3/4	1,541.56	3/4	1,245.17	3/4	949.04	3/4	658.47	3/4	361.89	3/4	65.66	3/4		3/4		3/4	
2	1,831.67	2	1,535.38	2	1,239.00	2	943.00	2	652.30	2	355.71	2	59.60	2		2		2	
1/4	1,825.50	1/4	1,529.21	1/4	1,232.83	1/4	936.95	1/4	646.12	1/4	349.53	1/4	53.54	1/4		1/4		1/4	
1/2	1,819.33	1/2	1,523.03	1/2	1,226.65	1/2	930.90	1/2	639.94	1/2	343.35	1/2	47.47	1/2		1/2		1/2	
3/4	1,813.17	3/4	1,516.86	3/4	1,220.48	3/4	924.85	3/4	633.76	3/4	337.17	3/4	41.41	3/4		3/4		3/4	
3	1,806.99	3	1,510.68	3	1,214.30	3	918.80	3	627.58	3	330.99	3	36.26	3		3		3	
1/4	1,800.82	1/4	1,504.51	1/4	1,208.13	1/4	912.75	1/4	621.40	1/4	324.82	1/4	31.11	1/4		1/4		1/4	
1/2	1,794.64	1/2	1,498.33	1/2	1,201.95	1/2	906.70	1/2	615.22	1/2	318.64	1/2	25.96	1/2		1/2		1/2	
3/4	1,788.47	3/4	1,492.16	3/4	1,195.78	3/4	900.66	3/4	609.05	3/4	312.46	3/4	20.81	3/4		3/4		3/4	
4	1,782.30	4	1,485.98	4	1,189.60	4	894.62	4	602.87	4	306.28	4	17.72	4		4		4	
1/4	1,776.12	1/4	1,479.81	1/4	1,183.43	1/4	888.59	1/4	596.69	1/4	300.10	1/4	14.62	1/4		1/4		1/4	
1/2	1,769.95	1/2	1,473.63	1/2	1,177.25	1/2	882.56	1/2	590.51	1/2	293.92	1/2	11.53	1/2		1/2		1/2	
3/4	1,763.77	3/4	1,467.46	3/4	1,171.08	3/4	876.53	3/4	584.33	3/4	287.74	3/4	8.43	3/4		3/4		3/4	
5	1,757.60	5	1,461.29	5	1,164.90	5	870.51	5	578.15	5	281.56	5	7.40	5		5		5	
1/4	1,751.42	1/4	1,455.11	1/4	1,158.73	1/4	864.50	1/4	571.97	1/4	275.38	1/4	6.37	1/4		1/4		1/4	
1/2	1,745.25	1/2	1,448.94	1/2	1,152.56	1/2	858.48	1/2	565.79	1/2	269.21	1/2	5.34	1/2		1/2		1/2	
3/4	1,739.07	3/4	1,442.76	3/4	1,146.38	3/4	852.46	3/4	559.61	3/4	263.03	3/4	4.31	3/4		3/4		3/4	
6	1,732.90	6	1,436.59	6	1,140.21	6	846.45	6	553.44	6	256.85	6		6		6		6	
1/4	1,726.73	1/4	1,430.41	1/4	1,134.03	1/4	840.43	1/4	547.26	1/4	250.67	1/4		1/4		1/4		1/4	
1/2	1,720.55	1/2	1,424.24	1/2	1,127.86	1/2	834.42	1/2	541.08	1/2	244.49	1/2		1/2		1/2		1/2	
3/4	1,714.38	3/4	1,418.06	3/4	1,121.68	3/4	828.40	3/4	534.90	3/4	238.31	3/4		3/4		3/4		3/4	
7	1,708.21	7	1,411.89	7	1,115.51	7	822.39	7	528.72	7	232.13	7		7		7		7	
1/4	1,702.04	1/4	1,405.71	1/4	1,109.33	1/4	816.37	1/4	522.54	1/4	225.95	1/4		1/4		1/4		1/4	
1/2	1,695.87	1/2	1,399.54	1/2	1,103.16	1/2	810.35	1/2	516.36	1/2	219.77	1/2		1/2		1/2		1/2	
3/4	1,689.70	3/4	1,393.36	3/4	1,096.98	3/4	804.34	3/4	510.18	3/4	213.60	3/4		3/4		3/4		3/4	
8	1,683.52	8	1,387.19	8	1,090.81	8	798.32	8	504.00	8	207.42	8		8		8		8	
1/4	1,677.35	1/4	1,381.02	1/4	1,084.63	1/4	792.31	1/4	497.83	1/4	201.24	1/4		1/4		1/4		1/4	
1/2	1,671.18	1/2	1,374.84	1/2	1,078.46	1/2	786.29	1/2	491.65	1/2	195.06	1/2		1/2		1/2		1/2	
3/4	1,665.01	3/4	1,368.67	3/4	1,072.29	3/4	780.27	3/4	485.47	3/4	188.88	3/4		3/4		3/4		3/4	
9	1,658.84	9	1,362.49	9	1,066.11	9	774.26	9	479.29	9	182.70	9		9		9		9	
1/4	1,652.67	1/4	1,356.32	1/4	1,059.94	1/4	768.24	1/4	473.11	1/4	176.52	1/4		1/4		1/4		1/4	
1/2	1,646.50	1/2	1,350.14	1/2	1,053.76	1/2	762.23	1/2	466.93	1/2	170.35	1/2		1/2		1/2		1/2	
3/4	1,640.32	3/4	1,343.97	3/4	1,047.59	3/4	756.21	3/4	460.75	3/4	164.17	3/4		3/4		3/4		3/4	
10	1,634.15	10	1,337.79	10	1,041.41	10	750.20	10	454.57	10	157.98	10		10		10		10	
1/4	1,627.98	1/4	1,331.62	1/4	1,035.24	1/4	744.18	1/4	448.39	1/4	151.80	1/4		1/4		1/4		1/4	
1/2	1,621.81	1/2	1,325.44	1/2	1,029.06	1/2	738.16	1/2	442.21	1/2	145.61	1/2		1/2		1/2		1/2	
3/4	1,615.64	3/4	1,319.27	3/4	1,022.89	3/4	732.15	3/4	436.04	3/4	139.43	3/4		3/4		3/4		3/4	
11	1,609.47	11	1,313.10	11	1,016.71	11	726.07	11	429.86	11	133.26	11		11		11		11	
1/4	1,603.30	1/4	1,306.92	1/4	1,010.54	1/4	719.99	1/4	423.68	1/4	127.09	1/4		1/4		1/4		1/4	
1/2	1,597.12	1/2	1,300.75	1/2	1,004.37	1/2	713.91	1/2	417.50	1/2	120.91	1/2		1/2		1/2		1/2	
3/4	1,590.95	3/4	1,294.57	3/4	998.19	3/4	707.83	3/4	411.32	3/4	114.74	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/29/2012 CL
CALCULATED: 08/29/2012 CL
PRINTED: 08/29/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2012

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



BARGE "KIRBY 10243"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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	3,465.59	0	3,235.00	0	2,973.81	0	2,712.62	0	2,450.93	0	2,188.34	0	1,925.75
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,464.67	1/4	3,229.56	1/4	2,968.37	1/4	2,707.17	1/4	2,445.46	1/4	2,182.87	1/4	1,920.28
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,463.76	1/2	3,224.12	1/2	2,962.92	1/2	2,701.73	1/2	2,439.99	1/2	2,177.40	1/2	1,914.81
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,462.85	3/4	3,218.67	3/4	2,957.48	3/4	2,696.29	3/4	2,434.52	3/4	2,171.93	3/4	1,909.34
1		1		1		1	3,460.11	1	3,213.23	1	2,952.04	1	2,690.85	1	2,429.05	1	2,166.46	1	1,903.87
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,457.37	1/4	3,207.79	1/4	2,946.60	1/4	2,685.41	1/4	2,423.58	1/4	2,160.99	1/4	1,898.40
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,454.64	1/2	3,202.35	1/2	2,941.16	1/2	2,679.97	1/2	2,418.10	1/2	2,155.52	1/2	1,892.93
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,451.90	3/4	3,196.91	3/4	2,935.72	3/4	2,674.52	3/4	2,412.63	3/4	2,150.05	3/4	1,887.46
2		2		2		2	3,447.47	2	3,191.47	2	2,930.28	2	2,669.08	2	2,407.16	2	2,144.57	2	1,881.99
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,443.04	1/4	3,186.03	1/4	2,924.83	1/4	2,663.64	1/4	2,401.69	1/4	2,139.10	1/4	1,876.52
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,438.60	1/2	3,180.58	1/2	2,919.39	1/2	2,658.20	1/2	2,396.22	1/2	2,133.63	1/2	1,871.04
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,434.17	3/4	3,175.14	3/4	2,913.95	3/4	2,652.76	3/4	2,390.75	3/4	2,128.16	3/4	1,865.57
3		3		3		3	3,428.87	3	3,169.70	3	2,908.51	3	2,647.32	3	2,385.28	3	2,122.69	3	1,860.10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,423.57	1/4	3,164.26	1/4	2,903.07	1/4	2,641.88	1/4	2,379.81	1/4	2,117.22	1/4	1,854.63
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,418.26	1/2	3,158.82	1/2	2,897.63	1/2	2,636.43	1/2	2,374.34	1/2	2,111.75	1/2	1,849.16
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,412.96	3/4	3,153.38	3/4	2,892.18	3/4	2,630.99	3/4	2,368.87	3/4	2,106.28	3/4	1,843.69
4		4		4		4	3,407.63	4	3,147.94	4	2,886.74	4	2,625.55	4	2,363.40	4	2,100.81	4	1,838.22
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,402.29	1/4	3,142.49	1/4	2,881.30	1/4	2,620.11	1/4	2,357.93	1/4	2,095.34	1/4	1,832.75
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,396.96	1/2	3,137.05	1/2	2,875.86	1/2	2,614.67	1/2	2,352.46	1/2	2,089.87	1/2	1,827.28
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,391.63	3/4	3,131.61	3/4	2,870.42	3/4	2,609.23	3/4	2,346.99	3/4	2,084.40	3/4	1,821.81
5		5		5		5	3,386.28	5	3,126.17	5	2,864.98	5	2,603.79	5	2,341.52	5	2,078.93	5	1,816.34
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,380.94	1/4	3,120.73	1/4	2,859.54	1/4	2,598.34	1/4	2,336.05	1/4	2,073.46	1/4	1,810.87
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,375.59	1/2	3,115.29	1/2	2,854.09	1/2	2,592.90	1/2	2,330.58	1/2	2,067.99	1/2	1,805.40
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,370.24	3/4	3,109.84	3/4	2,848.65	3/4	2,587.46	3/4	2,325.10	3/4	2,062.52	3/4	1,799.93
6		6		6		6	3,364.90	6	3,104.40	6	2,843.21	6	2,582.02	6	2,319.63	6	2,057.05	6	1,794.46
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,359.56	1/4	3,098.96	1/4	2,837.77	1/4	2,576.58	1/4	2,314.16	1/4	2,051.57	1/4	1,788.99
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,354.22	1/2	3,093.52	1/2	2,832.33	1/2	2,571.14	1/2	2,308.69	1/2	2,046.10	1/2	1,783.52
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,348.87	3/4	3,088.08	3/4	2,826.89	3/4	2,565.69	3/4	2,303.22	3/4	2,040.63	3/4	1,778.04
7		7		7		7	3,343.53	7	3,082.64	7	2,821.45	7	2,560.25	7	2,297.75	7	2,035.16	7	1,772.57
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,338.19	1/4	3,077.20	1/4	2,816.00	1/4	2,554.81	1/4	2,292.28	1/4	2,029.69	1/4	1,767.10
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,332.85	1/2	3,071.75	1/2	2,810.56	1/2	2,549.37	1/2	2,286.81	1/2	2,024.22	1/2	1,761.63
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,327.50	3/4	3,066.31	3/4	2,805.12	3/4	2,543.93	3/4	2,281.34	3/4	2,018.75	3/4	1,756.16
8		8		8		8	3,322.06	8	3,060.87	8	2,799.68	8	2,538.46	8	2,275.87	8	2,013.28	8	1,750.69
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,316.62	1/4	3,055.43	1/4	2,794.24	1/4	2,532.99	1/4	2,270.40	1/4	2,007.81	1/4	1,745.22
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,311.18	1/2	3,049.99	1/2	2,788.80	1/2	2,527.52	1/2	2,264.93	1/2	2,002.34	1/2	1,739.75
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,305.74	3/4	3,044.55	3/4	2,783.35	3/4	2,522.05	3/4	2,259.46	3/4	1,996.87	3/4	1,734.28
9		9		9		9	3,300.30	9	3,039.11	9	2,777.91	9	2,516.58	9	2,253.99	9	1,991.40	9	1,728.81
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,294.86	1/4	3,033.66	1/4	2,772.47	1/4	2,511.10	1/4	2,248.52	1/4	1,985.93	1/4	1,723.34
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,289.41	1/2	3,028.22	1/2	2,767.03	1/2	2,505.63	1/2	2,243.05	1/2	1,980.46	1/2	1,717.87
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,283.97	3/4	3,022.78	3/4	2,761.59	3/4	2,500.16	3/4	2,237.57	3/4	1,974.99	3/4	1,712.40
10		10		10		10	3,278.53	10	3,017.34	10	2,756.15	10	2,494.69	10	2,232.10	10	1,969.52	10	1,706.93
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,273.09	1/4	3,011.90	1/4	2,750.71	1/4	2,489.22	1/4	2,226.63	1/4	1,964.04	1/4	1,701.46
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,267.65	1/2	3,006.46	1/2	2,745.26	1/2	2,483.75	1/2	2,221.16	1/2	1,958.57	1/2	1,695.99
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,262.21	3/4	3,001.01	3/4	2,739.82	3/4	2,478.28	3/4	2,215.69	3/4	1,953.10	3/4	1,690.51
11		11		11		11	3,256.77	11	2,995.57	11	2,734.38	11	2,472.81	11	2,210.22	11	1,947.63	11	1,685.04
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,251.32	1/4	2,990.13	1/4	2,728.94	1/4	2,467.34	1/4	2,204.75	1/4	1,942.16	1/4	1,679.57
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,245.88	1/2	2,984.69	1/2	2,723.50	1/2	2,461.87	1/2	2,199.28	1/2	1,936.69	1/2	1,674.10
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,240.44	3/4	2,979.25	3/4	2,718.06	3/4	2,456.40	3/4	2,193.81	3/4	1,931.22	3/4	1,668.63

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 ON CENTERLINE AND 27'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 10243"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	1,657.69	1/4	1,395.10	1/4	1,132.34	1/4	871.61	1/4	612.76	1/4	350.02	1/4	87.45	1/4		1/4		1/4	
1/2	1,652.22	1/2	1,389.62	1/2	1,126.86	1/2	866.22	1/2	607.29	1/2	344.55	1/2	82.01	1/2		1/2		1/2	
3/4	1,646.75	3/4	1,384.15	3/4	1,121.39	3/4	860.83	3/4	601.81	3/4	339.08	3/4	76.57	3/4		3/4		3/4	
1	1,641.28	1	1,378.67	1	1,115.92	1	855.44	1	596.34	1	333.60	1	71.16	1		1		1	
1/4	1,635.81	1/4	1,373.20	1/4	1,110.44	1/4	850.06	1/4	590.87	1/4	328.13	1/4	65.75	1/4		1/4		1/4	
1/2	1,630.34	1/2	1,367.72	1/2	1,104.97	1/2	844.67	1/2	585.39	1/2	322.66	1/2	60.34	1/2		1/2		1/2	
3/4	1,624.87	3/4	1,362.25	3/4	1,099.49	3/4	839.28	3/4	579.92	3/4	317.18	3/4	54.93	3/4		3/4		3/4	
2	1,619.40	2	1,356.78	2	1,094.02	2	833.89	2	574.45	2	311.71	2	49.57	2		2		2	
1/4	1,613.93	1/4	1,351.30	1/4	1,088.55	1/4	828.50	1/4	568.97	1/4	306.24	1/4	44.21	1/4		1/4		1/4	
1/2	1,608.46	1/2	1,345.83	1/2	1,083.07	1/2	823.11	1/2	563.50	1/2	300.76	1/2	38.85	1/2		1/2		1/2	
3/4	1,602.99	3/4	1,340.35	3/4	1,077.60	3/4	817.72	3/4	558.03	3/4	295.29	3/4	33.49	3/4		3/4		3/4	
3	1,597.51	3	1,334.88	3	1,072.12	3	812.33	3	552.55	3	289.81	3	28.93	3		3		3	
1/4	1,592.04	1/4	1,329.41	1/4	1,066.65	1/4	806.95	1/4	547.08	1/4	284.34	1/4	24.38	1/4		1/4		1/4	
1/2	1,586.57	1/2	1,323.93	1/2	1,061.18	1/2	801.57	1/2	541.60	1/2	278.87	1/2	19.82	1/2		1/2		1/2	
3/4	1,581.10	3/4	1,318.46	3/4	1,055.70	3/4	796.18	3/4	536.13	3/4	273.39	3/4	15.27	3/4		3/4		3/4	
4	1,575.63	4	1,312.98	4	1,050.23	4	790.80	4	530.66	4	267.92	4	12.53	4		4		4	
1/4	1,570.16	1/4	1,307.51	1/4	1,044.75	1/4	785.41	1/4	525.18	1/4	262.45	1/4	9.80	1/4		1/4		1/4	
1/2	1,564.69	1/2	1,302.04	1/2	1,039.28	1/2	780.03	1/2	519.71	1/2	256.97	1/2	7.06	1/2		1/2		1/2	
3/4	1,559.22	3/4	1,296.56	3/4	1,033.80	3/4	774.65	3/4	514.24	3/4	251.50	3/4	4.32	3/4		3/4		3/4	
5	1,553.75	5	1,291.09	5	1,028.33	5	769.26	5	508.76	5	246.02	5	3.41	5		5		5	
1/4	1,548.28	1/4	1,285.61	1/4	1,022.86	1/4	763.88	1/4	503.29	1/4	240.55	1/4	2.50	1/4		1/4		1/4	
1/2	1,542.81	1/2	1,280.14	1/2	1,017.38	1/2	758.49	1/2	497.81	1/2	235.08	1/2	1.59	1/2		1/2		1/2	
3/4	1,537.34	3/4	1,274.67	3/4	1,011.91	3/4	753.11	3/4	492.34	3/4	229.60	3/4	0.68	3/4		3/4		3/4	
6	1,531.87	6	1,269.19	6	1,006.48	6	747.72	6	486.87	6	224.13	6		6		6		6	
1/4	1,526.40	1/4	1,263.72	1/4	1,001.04	1/4	742.34	1/4	481.39	1/4	218.66	1/4		1/4		1/4		1/4	
1/2	1,520.93	1/2	1,258.24	1/2	995.61	1/2	736.96	1/2	475.92	1/2	213.18	1/2		1/2		1/2		1/2	
3/4	1,515.46	3/4	1,252.77	3/4	990.18	3/4	731.57	3/4	470.45	3/4	207.71	3/4		3/4		3/4		3/4	
7	1,509.99	7	1,247.29	7	984.79	7	726.19	7	464.97	7	202.23	7		7		7		7	
1/4	1,504.51	1/4	1,241.82	1/4	979.40	1/4	720.80	1/4	459.50	1/4	196.76	1/4		1/4		1/4		1/4	
1/2	1,499.04	1/2	1,236.35	1/2	974.01	1/2	715.42	1/2	454.02	1/2	191.29	1/2		1/2		1/2		1/2	
3/4	1,493.57	3/4	1,230.87	3/4	968.62	3/4	710.03	3/4	448.55	3/4	185.81	3/4		3/4		3/4		3/4	
8	1,488.10	8	1,225.40	8	963.23	8	704.65	8	443.08	8	180.34	8		8		8		8	
1/4	1,482.63	1/4	1,219.92	1/4	957.84	1/4	699.27	1/4	437.60	1/4	174.87	1/4		1/4		1/4		1/4	
1/2	1,477.16	1/2	1,214.45	1/2	952.45	1/2	693.88	1/2	432.13	1/2	169.39	1/2		1/2		1/2		1/2	
3/4	1,471.69	3/4	1,208.98	3/4	947.06	3/4	688.50	3/4	426.66	3/4	163.92	3/4		3/4		3/4		3/4	
9	1,466.22	9	1,203.50	9	941.68	9	683.11	9	421.18	9	158.45	9		9		9		9	
1/4	1,460.75	1/4	1,198.03	1/4	936.29	1/4	677.73	1/4	415.71	1/4	152.97	1/4		1/4		1/4		1/4	
1/2	1,455.28	1/2	1,192.55	1/2	930.90	1/2	672.35	1/2	410.24	1/2	147.50	1/2		1/2		1/2		1/2	
3/4	1,449.81	3/4	1,187.08	3/4	925.51	3/4	666.96	3/4	404.76	3/4	142.03	3/4		3/4		3/4		3/4	
10	1,444.34	10	1,181.61	10	920.12	10	661.58	10	399.29	10	136.56	10		10		10		10	
1/4	1,438.87	1/4	1,176.13	1/4	914.73	1/4	656.20	1/4	393.81	1/4	131.09	1/4		1/4		1/4		1/4	
1/2	1,433.40	1/2	1,170.66	1/2	909.34	1/2	650.81	1/2	388.34	1/2	125.62	1/2		1/2		1/2		1/2	
3/4	1,427.93	3/4	1,165.18	3/4	903.95	3/4	645.43	3/4	382.87	3/4	120.15	3/4		3/4		3/4		3/4	
11	1,422.46	11	1,159.71	11	898.56	11	640.00	11	377.39	11	114.70	11		11		11		11	
1/4	1,416.98	1/4	1,154.24	1/4	893.17	1/4	634.57	1/4	371.92	1/4	109.24	1/4		1/4		1/4		1/4	
1/2	1,411.51	1/2	1,148.76	1/2	887.78	1/2	629.14	1/2	366.45	1/2	103.78	1/2		1/2		1/2		1/2	
3/4	1,406.04	3/4	1,143.29	3/4	882.39	3/4	623.71	3/4	360.97	3/4	98.33	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/29/2012 CL
CALCULATED: 08/29/2012 CL
PRINTED: 08/29/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2012

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



BARGE "KIRBY 10243"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 1/2"

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	3,240.83	0	2,980.84	0	2,720.84	0	2,460.43	0	2,199.03	0	1,937.64
1/4		1/4		1/4		1/4		1/4	3,235.42	1/4	2,975.42	1/4	2,715.42	1/4	2,454.99	1/4	2,193.59	1/4	1,932.19
1/2		1/2		1/2		1/2	3,455.03	1/2	3,230.00	1/2	2,970.00	1/2	2,710.01	1/2	2,449.54	1/2	2,188.14	1/2	1,926.74
3/4		3/4		3/4		3/4	3,454.12	3/4	3,224.58	3/4	2,964.59	3/4	2,704.59	3/4	2,444.10	3/4	2,182.70	3/4	1,921.30
1		1		1		1	3,453.21	1	3,219.17	1	2,959.17	1	2,699.17	1	2,438.65	1	2,177.25	1	1,915.85
1/4		1/4		1/4		1/4	3,452.30	1/4	3,213.75	1/4	2,953.75	1/4	2,693.76	1/4	2,433.20	1/4	2,171.81	1/4	1,910.41
1/2		1/2		1/2		1/2	3,451.39	1/2	3,208.33	1/2	2,948.34	1/2	2,688.34	1/2	2,427.76	1/2	2,166.36	1/2	1,904.96
3/4		3/4		3/4		3/4	3,448.67	3/4	3,202.92	3/4	2,942.92	3/4	2,682.92	3/4	2,422.31	3/4	2,160.91	3/4	1,899.52
2		2		2		2	3,445.94	2	3,197.50	2	2,937.50	2	2,677.51	2	2,416.87	2	2,155.47	2	1,894.07
1/4		1/4		1/4		1/4	3,443.22	1/4	3,192.08	1/4	2,932.09	1/4	2,672.09	1/4	2,411.42	1/4	2,150.02	1/4	1,888.62
1/2		1/2		1/2		1/2	3,440.49	1/2	3,186.67	1/2	2,926.67	1/2	2,666.67	1/2	2,405.98	1/2	2,144.58	1/2	1,883.18
3/4		3/4		3/4		3/4	3,436.08	3/4	3,181.25	3/4	2,921.25	3/4	2,661.26	3/4	2,400.53	3/4	2,139.13	3/4	1,877.73
3		3		3		3	3,431.67	3	3,175.83	3	2,915.84	3	2,655.84	3	2,395.08	3	2,133.69	3	1,872.29
1/4		1/4		1/4		1/4	3,427.26	1/4	3,170.42	1/4	2,910.42	1/4	2,650.42	1/4	2,389.64	1/4	2,128.24	1/4	1,866.84
1/2		1/2		1/2		1/2	3,422.85	1/2	3,165.00	1/2	2,905.00	1/2	2,645.01	1/2	2,384.19	1/2	2,122.79	1/2	1,861.40
3/4		3/4		3/4		3/4	3,417.57	3/4	3,159.58	3/4	2,899.59	3/4	2,639.59	3/4	2,378.75	3/4	2,117.35	3/4	1,855.95
4		4		4		4	3,412.29	4	3,154.17	4	2,894.17	4	2,634.17	4	2,373.30	4	2,111.90	4	1,850.50
1/4		1/4		1/4		1/4	3,407.02	1/4	3,148.75	1/4	2,888.75	1/4	2,628.76	1/4	2,367.85	1/4	2,106.46	1/4	1,845.06
1/2		1/2		1/2		1/2	3,401.74	1/2	3,143.33	1/2	2,883.34	1/2	2,623.34	1/2	2,362.41	1/2	2,101.01	1/2	1,839.61
3/4		3/4		3/4		3/4	3,396.43	3/4	3,137.92	3/4	2,877.92	3/4	2,617.92	3/4	2,356.96	3/4	2,095.56	3/4	1,834.17
5		5		5		5	3,391.12	5	3,132.50	5	2,872.50	5	2,612.51	5	2,351.52	5	2,090.12	5	1,828.72
1/4		1/4		1/4		1/4	3,385.81	1/4	3,127.08	1/4	2,867.09	1/4	2,607.09	1/4	2,346.07	1/4	2,084.67	1/4	1,823.27
1/2		1/2		1/2		1/2	3,380.50	1/2	3,121.67	1/2	2,861.67	1/2	2,601.67	1/2	2,340.63	1/2	2,079.23	1/2	1,817.83
3/4		3/4		3/4		3/4	3,375.18	3/4	3,116.25	3/4	2,856.25	3/4	2,596.26	3/4	2,335.18	3/4	2,073.78	3/4	1,812.38
6		6		6		6	3,369.86	6	3,110.83	6	2,850.84	6	2,590.84	6	2,329.73	6	2,068.34	6	1,806.94
1/4		1/4		1/4		1/4	3,364.53	1/4	3,105.42	1/4	2,845.42	1/4	2,585.42	1/4	2,324.29	1/4	2,062.89	1/4	1,801.49
1/2		1/2		1/2		1/2	3,359.21	1/2	3,100.00	1/2	2,840.00	1/2	2,580.01	1/2	2,318.84	1/2	2,057.44	1/2	1,796.05
3/4		3/4		3/4		3/4	3,353.89	3/4	3,094.58	3/4	2,834.59	3/4	2,574.59	3/4	2,313.40	3/4	2,052.00	3/4	1,790.60
7		7		7		7	3,348.57	7	3,089.17	7	2,829.17	7	2,569.17	7	2,307.95	7	2,046.55	7	1,785.15
1/4		1/4		1/4		1/4	3,343.26	1/4	3,083.75	1/4	2,823.75	1/4	2,563.76	1/4	2,302.51	1/4	2,041.11	1/4	1,779.71
1/2		1/2		1/2		1/2	3,337.94	1/2	3,078.33	1/2	2,818.34	1/2	2,558.34	1/2	2,297.06	1/2	2,035.66	1/2	1,774.26
3/4		3/4		3/4		3/4	3,332.62	3/4	3,072.92	3/4	2,812.92	3/4	2,552.92	3/4	2,291.61	3/4	2,030.22	3/4	1,768.82
8		8		8		8	3,327.30	8	3,067.50	8	2,807.50	8	2,547.51	8	2,286.17	8	2,024.77	8	1,763.37
1/4		1/4		1/4		1/4	3,321.98	1/4	3,062.08	1/4	2,802.09	1/4	2,542.09	1/4	2,280.72	1/4	2,019.32	1/4	1,757.93
1/2		1/2		1/2		1/2	3,316.66	1/2	3,056.67	1/2	2,796.67	1/2	2,536.67	1/2	2,275.28	1/2	2,013.88	1/2	1,752.48
3/4		3/4		3/4		3/4	3,311.25	3/4	3,051.25	3/4	2,791.25	3/4	2,531.23	3/4	2,269.83	3/4	2,008.43	3/4	1,747.03
9		9		9		9	3,305.83	9	3,045.83	9	2,785.84	9	2,525.78	9	2,264.38	9	2,002.99	9	1,741.59
1/4		1/4		1/4		1/4	3,300.42	1/4	3,040.42	1/4	2,780.42	1/4	2,520.34	1/4	2,258.94	1/4	1,997.54	1/4	1,736.14
1/2		1/2		1/2		1/2	3,295.00	1/2	3,035.00	1/2	2,775.00	1/2	2,514.89	1/2	2,253.49	1/2	1,992.09	1/2	1,730.70
3/4		3/4		3/4		3/4	3,289.58	3/4	3,029.59	3/4	2,769.59	3/4	2,509.45	3/4	2,248.05	3/4	1,986.65	3/4	1,725.25
10		10		10		10	3,284.17	10	3,024.17	10	2,764.17	10	2,504.00	10	2,242.60	10	1,981.20	10	1,719.80
1/4		1/4		1/4		1/4	3,278.75	1/4	3,018.75	1/4	2,758.76	1/4	2,498.55	1/4	2,237.16	1/4	1,975.76	1/4	1,714.36
1/2		1/2		1/2		1/2	3,273.33	1/2	3,013.34	1/2	2,753.34	1/2	2,493.11	1/2	2,231.71	1/2	1,970.31	1/2	1,708.91
3/4		3/4		3/4		3/4	3,267.92	3/4	3,007.92	3/4	2,747.92	3/4	2,487.66	3/4	2,226.26	3/4	1,964.87	3/4	1,703.47
11		11		11		11	3,262.50	11	3,002.50	11	2,742.51	11	2,482.22	11	2,220.82	11	1,959.42	11	1,698.02
1/4		1/4		1/4		1/4	3,257.08	1/4	2,997.09	1/4	2,737.09	1/4	2,476.77	1/4	2,215.37	1/4	1,953.97	1/4	1,692.58
1/2		1/2		1/2		1/2	3,251.67	1/2	2,991.67	1/2	2,731.67	1/2	2,471.32	1/2	2,209.93	1/2	1,948.53	1/2	1,687.13
3/4		3/4		3/4		3/4	3,246.25	3/4	2,986.25	3/4	2,726.26	3/4	2,465.88	3/4	2,204.48	3/4	1,943.08	3/4	1,681.68

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 ON CENTERLINE AND 27'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 10243"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 1/2"

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	1,676.24	0	1,414.84	0	1,153.28	0	892.51	0	631.78	0	370.24	0	108.75	0		0		0	
1/4	1,670.79	1/4	1,409.39	1/4	1,147.83	1/4	887.10	1/4	626.33	1/4	364.79	1/4	103.32	1/4	1/4		1/4		1/4
1/2	1,665.35	1/2	1,403.95	1/2	1,142.38	1/2	881.69	1/2	620.89	1/2	359.34	1/2	97.89	1/2	1/2		1/2		1/2
3/4	1,659.90	3/4	1,398.50	3/4	1,136.93	3/4	876.28	3/4	615.44	3/4	353.89	3/4	92.47	3/4	3/4		3/4		3/4
1	1,654.45	1	1,393.05	1	1,131.48	1	870.86	1	609.99	1	348.44	1	87.06	1	1		1		1
1/4	1,649.01	1/4	1,387.60	1/4	1,126.03	1/4	865.45	1/4	604.54	1/4	343.00	1/4	81.64	1/4	1/4		1/4		1/4
1/2	1,643.56	1/2	1,382.15	1/2	1,120.58	1/2	860.04	1/2	599.09	1/2	337.55	1/2	76.23	1/2	1/2		1/2		1/2
3/4	1,638.12	3/4	1,376.70	3/4	1,115.14	3/4	854.62	3/4	593.64	3/4	332.10	3/4	70.84	3/4	3/4		3/4		3/4
2	1,632.67	2	1,371.25	2	1,109.69	2	849.21	2	588.20	2	326.65	2	65.46	2	2		2		2
1/4	1,627.23	1/4	1,365.80	1/4	1,104.24	1/4	843.80	1/4	582.75	1/4	321.20	1/4	60.07	1/4	1/4		1/4		1/4
1/2	1,621.78	1/2	1,360.35	1/2	1,098.79	1/2	838.39	1/2	577.30	1/2	315.75	1/2	54.68	1/2	1/2		1/2		1/2
3/4	1,616.33	3/4	1,354.90	3/4	1,093.34	3/4	832.97	3/4	571.85	3/4	310.30	3/4	49.35	3/4	3/4		3/4		3/4
3	1,610.89	3	1,349.46	3	1,087.89	3	827.56	3	566.40	3	304.85	3	44.01	3	3		3		3
1/4	1,605.44	1/4	1,344.01	1/4	1,082.44	1/4	822.15	1/4	560.95	1/4	299.40	1/4	38.67	1/4	1/4		1/4		1/4
1/2	1,600.00	1/2	1,338.56	1/2	1,076.99	1/2	816.73	1/2	555.50	1/2	293.96	1/2	33.34	1/2	1/2		1/2		1/2
3/4	1,594.55	3/4	1,333.11	3/4	1,071.54	3/4	811.33	3/4	550.05	3/4	288.51	3/4	28.81	3/4	3/4		3/4		3/4
4	1,589.11	4	1,327.66	4	1,066.09	4	805.92	4	544.60	4	283.06	4	24.27	4	4		4		4
1/4	1,583.66	1/4	1,322.21	1/4	1,060.64	1/4	800.51	1/4	539.16	1/4	277.61	1/4	19.74	1/4	1/4		1/4		1/4
1/2	1,578.21	1/2	1,316.76	1/2	1,055.19	1/2	795.10	1/2	533.71	1/2	272.16	1/2	15.21	1/2	1/2		1/2		1/2
3/4	1,572.77	3/4	1,311.31	3/4	1,049.74	3/4	789.66	3/4	528.26	3/4	266.71	3/4	12.48	3/4	3/4		3/4		3/4
5	1,567.32	5	1,305.86	5	1,044.29	5	784.22	5	522.81	5	261.26	5	9.76	5	5		5		5
1/4	1,561.88	1/4	1,300.41	1/4	1,038.85	1/4	778.77	1/4	517.36	1/4	255.81	1/4	7.03	1/4	1/4		1/4		1/4
1/2	1,556.43	1/2	1,294.96	1/2	1,033.40	1/2	773.33	1/2	511.91	1/2	250.36	1/2	4.31	1/2	1/2		1/2		1/2
3/4	1,550.98	3/4	1,289.51	3/4	1,027.95	3/4	767.88	3/4	506.46	3/4	244.92	3/4	3.40	3/4	3/4		3/4		3/4
6	1,545.54	6	1,284.06	6	1,022.50	6	762.44	6	501.01	6	239.47	6	2.49	6	6		6		6
1/4	1,540.09	1/4	1,278.61	1/4	1,017.05	1/4	757.00	1/4	495.56	1/4	234.02	1/4	1.59	1/4	1/4		1/4		1/4
1/2	1,534.65	1/2	1,273.16	1/2	1,011.60	1/2	751.55	1/2	490.12	1/2	228.57	1/2	0.68	1/2	1/2		1/2		1/2
3/4	1,529.20	3/4	1,267.72	3/4	1,006.19	3/4	746.11	3/4	484.67	3/4	223.12	3/4		3/4	3/4		3/4		3/4
7	1,523.76	7	1,262.27	7	1,000.77	7	740.66	7	479.22	7	217.67	7		7	7		7		7
1/4	1,518.31	1/4	1,256.82	1/4	995.36	1/4	735.22	1/4	473.77	1/4	212.22	1/4		1/4	1/4		1/4		1/4
1/2	1,512.86	1/2	1,251.37	1/2	989.95	1/2	729.78	1/2	468.32	1/2	206.77	1/2		1/2	1/2		1/2		1/2
3/4	1,507.42	3/4	1,245.92	3/4	984.53	3/4	724.33	3/4	462.87	3/4	201.32	3/4		3/4	3/4		3/4		3/4
8	1,501.97	8	1,240.47	8	979.12	8	718.89	8	457.42	8	195.88	8		8	8		8		8
1/4	1,496.53	1/4	1,235.02	1/4	973.71	1/4	713.44	1/4	451.97	1/4	190.43	1/4		1/4	1/4		1/4		1/4
1/2	1,491.08	1/2	1,229.57	1/2	968.30	1/2	708.00	1/2	446.52	1/2	184.98	1/2		1/2	1/2		1/2		1/2
3/4	1,485.64	3/4	1,224.12	3/4	962.88	3/4	702.56	3/4	441.08	3/4	179.53	3/4		3/4	3/4		3/4		3/4
9	1,480.19	9	1,218.67	9	957.47	9	697.11	9	435.63	9	174.08	9		9	9		9		9
1/4	1,474.74	1/4	1,213.22	1/4	952.06	1/4	691.67	1/4	430.18	1/4	168.63	1/4		1/4	1/4		1/4		1/4
1/2	1,469.30	1/2	1,207.77	1/2	946.64	1/2	686.23	1/2	424.73	1/2	163.18	1/2		1/2	1/2		1/2		1/2
3/4	1,463.85	3/4	1,202.32	3/4	941.23	3/4	680.78	3/4	419.28	3/4	157.73	3/4		3/4	3/4		3/4		3/4
10	1,458.41	10	1,196.87	10	935.82	10	675.34	10	413.83	10	152.28	10		10	10		10		10
1/4	1,452.96	1/4	1,191.43	1/4	930.41	1/4	669.89	1/4	408.38	1/4	146.84	1/4		1/4	1/4		1/4		1/4
1/2	1,447.51	1/2	1,185.98	1/2	924.99	1/2	664.45	1/2	402.93	1/2	141.39	1/2		1/2	1/2		1/2		1/2
3/4	1,442.07	3/4	1,180.53	3/4	919.58	3/4	659.01	3/4	397.48	3/4	135.94	3/4		3/4	3/4		3/4		3/4
11	1,436.62	11	1,175.08	11	914.17	11	653.56	11	392.04	11	130.50	11		11	11		11		11
1/4	1,431.18	1/4	1,169.63	1/4	908.75	1/4	648.12	1/4	386.59	1/4	125.06	1/4		1/4	1/4		1/4		1/4
1/2	1,425.73	1/2	1,164.18	1/2	903.34	1/2	642.68	1/2	381.14	1/2	119.61	1/2		1/2	1/2		1/2		1/2
3/4	1,420.29	3/4	1,158.73	3/4	897.93	3/4	637.23	3/4	375.69	3/4	114.18	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/29/2012 CL
CALCULATED: 08/29/2012 CL
PRINTED: 08/29/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2012

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