



BARGE "KIRBY 10238"

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	00-1/8	- 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
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	00-1/2	- 00-1/2	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"

June 20, 2012

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

<http://www.pmacorp.net>



BARGE "KIRBY 10238"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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	3,754.15	0	3,525.34	0	3,272.99	0	3,020.64	0	2,759.10	0	2,464.08	0	2,168.43		
1/4		1/4		1/4		1/4	3,753.12	1/4	3,520.09	1/4	3,267.74	1/4	3,015.39	1/4	2,752.95	1/4	2,457.92	1/4	2,162.27		
1/2		1/2		1/2		1/2	3,752.09	1/2	3,514.83	1/2	3,262.48	1/2	3,010.13	1/2	2,746.81	1/2	2,451.76	1/2	2,156.11		
3/4		3/4		3/4		3/4	3,748.99	3/4	3,509.57	3/4	3,257.22	3/4	3,004.87	3/4	2,740.67	3/4	2,445.60	3/4	2,149.95		
1		1		1		1	3,745.90	1	3,504.31	1	3,251.96	1	2,999.61	1	2,734.53	1	2,439.44	1	2,143.79		
1/4		1/4		1/4		1/4	3,742.81	1/4	3,499.06	1/4	3,246.71	1/4	2,994.36	1/4	2,728.39	1/4	2,433.28	1/4	2,137.63		
1/2		1/2		1/2		1/2	3,739.72	1/2	3,493.80	1/2	3,241.45	1/2	2,989.10	1/2	2,722.25	1/2	2,427.12	1/2	2,131.47		
3/4		3/4		3/4		3/4	3,735.58	3/4	3,488.54	3/4	3,236.19	3/4	2,983.84	3/4	2,716.11	3/4	2,420.96	3/4	2,125.31		
2		2		2		2	3,731.44	2	3,483.29	2	3,230.94	2	2,978.58	2	2,709.97	2	2,414.80	2	2,119.15		
1/4		1/4		1/4		1/4	3,727.30	1/4	3,478.03	1/4	3,225.68	1/4	2,973.33	1/4	2,703.83	1/4	2,408.64	1/4	2,112.99		
1/2		1/2		1/2		1/2	3,723.16	1/2	3,472.77	1/2	3,220.42	1/2	2,968.07	1/2	2,697.69	1/2	2,402.48	1/2	2,106.84		
3/4		3/4		3/4		3/4	3,718.03	3/4	3,467.51	3/4	3,215.16	3/4	2,962.81	3/4	2,691.55	3/4	2,396.32	3/4	2,100.68		
3		3		3		3	3,712.91	3	3,462.26	3	3,209.91	3	2,957.56	3	2,685.41	3	2,390.16	3	2,094.52		
1/4		1/4		1/4		1/4	3,707.79	1/4	3,457.00	1/4	3,204.65	1/4	2,952.30	1/4	2,679.26	1/4	2,384.00	1/4	2,088.36		
1/2		1/2		1/2		1/2	3,702.66	1/2	3,451.74	1/2	3,199.39	1/2	2,947.04	1/2	2,673.12	1/2	2,377.84	1/2	2,082.20		
3/4		3/4		3/4		3/4	3,697.51	3/4	3,446.48	3/4	3,194.13	3/4	2,941.78	3/4	2,666.98	3/4	2,371.69	3/4	2,076.04		
4		4		4		4	3,692.35	4	3,441.23	4	3,188.88	4	2,936.53	4	2,660.84	4	2,365.53	4	2,069.88		
1/4		1/4		1/4		1/4	3,687.19	1/4	3,435.97	1/4	3,183.62	1/4	2,931.27	1/4	2,654.70	1/4	2,359.37	1/4	2,063.72		
1/2		1/2		1/2		1/2	3,682.03	1/2	3,430.71	1/2	3,178.36	1/2	2,926.01	1/2	2,648.56	1/2	2,353.21	1/2	2,057.56		
3/4		3/4		3/4		3/4	3,676.86	3/4	3,425.46	3/4	3,173.10	3/4	2,920.75	3/4	2,642.42	3/4	2,347.05	3/4	2,051.40		
5		5		5		5	3,671.68	5	3,420.20	5	3,167.85	5	2,915.50	5	2,636.28	5	2,340.89	5	2,045.24		
1/4		1/4		1/4		1/4	3,666.51	1/4	3,414.94	1/4	3,162.59	1/4	2,910.24	1/4	2,630.14	1/4	2,334.73	1/4	2,039.08		
1/2		1/2		1/2		1/2	3,661.34	1/2	3,409.68	1/2	3,157.33	1/2	2,904.98	1/2	2,624.00	1/2	2,328.57	1/2	2,032.92		
3/4		3/4		3/4		3/4	3,656.17	3/4	3,404.43	3/4	3,152.08	3/4	2,899.73	3/4	2,617.86	3/4	2,322.41	3/4	2,026.76		
6		6		6		6	3,651.00	6	3,399.17	6	3,146.82	6	2,894.47	6	2,611.71	6	2,316.25	6	2,020.61		
1/4		1/4		1/4		1/4	3,645.83	1/4	3,393.91	1/4	3,141.56	1/4	2,889.21	1/4	2,605.57	1/4	2,310.09	1/4	2,014.45		
1/2		1/2		1/2		1/2	3,640.66	1/2	3,388.65	1/2	3,136.30	1/2	2,883.95	1/2	2,599.43	1/2	2,303.93	1/2	2,008.29		
3/4		3/4		3/4		3/4	3,635.49	3/4	3,383.40	3/4	3,131.05	3/4	2,878.70	3/4	2,593.29	3/4	2,297.77	3/4	2,002.13		
7		7		7		7	3,630.32	7	3,378.14	7	3,125.79	7	2,873.44	7	2,587.15	7	2,291.61	7	1,995.97		
1/4		1/4		1/4		1/4	3,625.15	1/4	3,372.88	1/4	3,120.53	1/4	2,868.18	1/4	2,581.01	1/4	2,285.46	1/4	1,989.81		
1/2		1/2		1/2		1/2	3,619.98	1/2	3,367.62	1/2	3,115.27	1/2	2,862.92	1/2	2,574.87	1/2	2,279.30	1/2	1,983.65		
3/4		3/4		3/4		3/4	3,614.72	3/4	3,362.37	3/4	3,110.02	3/4	2,857.64	3/4	2,568.73	3/4	2,273.14	3/4	1,977.49		
8		8		8		8	3,609.46	8	3,357.11	8	3,104.76	8	2,852.36	8	2,562.59	8	2,266.98	8	1,971.33		
1/4		1/4		1/4		1/4	3,604.20	1/4	3,351.85	1/4	3,099.50	1/4	2,847.08	1/4	2,556.45	1/4	2,260.82	1/4	1,965.17		
1/2		1/2		1/2		1/2	3,598.95	1/2	3,346.60	1/2	3,094.25	1/2	2,841.80	1/2	2,550.31	1/2	2,254.66	1/2	1,959.01		
3/4		3/4		3/4		3/4	3,593.69	3/4	3,341.34	3/4	3,088.99	3/4	2,836.51	3/4	2,544.15	3/4	2,248.50	3/4	1,952.85		
9		9		9		9	3,588.43	9	3,336.08	9	3,083.73	9	2,831.23	9	2,537.99	9	2,242.34	9	1,946.69		
1/4		1/4		1/4		1/4	3,583.17	1/4	3,330.82	1/4	3,078.47	1/4	2,825.95	1/4	2,531.83	1/4	2,236.18	1/4	1,940.53		
1/2		1/2		1/2		1/2	3,577.92	1/2	3,325.57	1/2	3,073.22	1/2	2,820.67	1/2	2,525.67	1/2	2,230.02	1/2	1,934.38		
3/4		3/4		3/4		3/4	3,572.66	3/4	3,320.31	3/4	3,067.96	3/4	2,814.49	3/4	2,519.51	3/4	2,223.86	3/4	1,928.22		
10		10		10		10	3,567.40	10	3,315.05	10	3,062.70	10	2,808.30	10	2,513.35	10	2,217.70	10	1,922.06		
1/4		1/4		1/4		1/4	3,562.15	1/4	3,309.79	1/4	3,057.44	1/4	2,802.12	1/4	2,507.19	1/4	2,211.54	1/4	1,915.90		
1/2		1/2		1/2		1/2	3,556.89	1/2	3,304.54	1/2	3,052.19	1/2	2,795.94	1/2	2,501.03	1/2	2,205.38	1/2	1,909.74		
3/4		3/4		3/4		3/4	3,551.63	3/4	3,299.28	3/4	3,046.93	3/4	2,789.80	3/4	2,494.87	3/4	2,199.23	3/4	1,903.58		
11		11		11		11	3,546.37	11	3,294.02	11	3,041.67	11	2,783.66	11	2,488.71	11	2,193.07	11	1,897.42		
1/4		1/4		1/4		1/4	3,541.12	1/4	3,288.77	1/4	3,036.41	1/4	2,777.52	1/4	2,482.55	1/4	2,186.91	1/4	1,891.26		
1/2		1/2		1/2		1/2	3,756.21	1/2	3,535.86	1/2	3,283.51	1/2	3,031.16	1/2	2,771.38	1/2	2,476.39	1/2	2,180.75	1/2	1,885.10
3/4		3/4		3/4		3/4	3,755.18	3/4	3,530.60	3/4	3,278.25	3/4	3,025.90	3/4	2,765.24	3/4	2,470.23	3/4	2,174.59	3/4	1,878.94

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

PRECISION MEASUREMENT
& ANALYSIS, INC.

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BARGE "KIRBY 10238"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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	1,872.78	0	1,576.88	0	1,280.83	0	984.77	0	694.75	0	398.53	0	102.33	0		0		0	
1/4	1,866.62	1/4	1,570.72	1/4	1,274.66	1/4	978.60	1/4	688.60	1/4	392.36	1/4	96.18	1/4	1/4	1/4		1/4	
1/2	1,860.46	1/2	1,564.55	1/2	1,268.49	1/2	972.43	1/2	682.44	1/2	386.18	1/2	90.04	1/2	1/2	1/2		1/2	
3/4	1,854.30	3/4	1,558.38	3/4	1,262.32	3/4	966.32	3/4	676.27	3/4	380.01	3/4	83.93	3/4	3/4	3/4		3/4	
1	1,848.15	1	1,552.21	1	1,256.15	1	960.22	1	670.10	1	373.84	1	77.81	1	1	1		1	
1/4	1,841.99	1/4	1,546.04	1/4	1,249.99	1/4	954.11	1/4	663.93	1/4	367.67	1/4	71.70	1/4	1/4	1/4		1/4	
1/2	1,835.83	1/2	1,539.88	1/2	1,243.82	1/2	948.01	1/2	657.76	1/2	361.50	1/2	65.59	1/2	1/2	1/2		1/2	
3/4	1,829.67	3/4	1,533.71	3/4	1,237.65	3/4	941.97	3/4	651.59	3/4	355.32	3/4	59.53	3/4	3/4	3/4		3/4	
2	1,823.51	2	1,527.54	2	1,231.48	2	935.92	2	645.41	2	349.15	2	53.48	2	2	2		2	
1/4	1,817.35	1/4	1,521.37	1/4	1,225.31	1/4	929.88	1/4	639.24	1/4	342.98	1/4	47.42	1/4	1/4	1/4		1/4	
1/2	1,811.19	1/2	1,515.21	1/2	1,219.15	1/2	923.84	1/2	633.07	1/2	336.81	1/2	41.36	1/2	1/2	1/2		1/2	
3/4	1,805.02	3/4	1,509.04	3/4	1,212.98	3/4	917.80	3/4	626.90	3/4	330.63	3/4	36.22	3/4	3/4	3/4		3/4	
3	1,798.85	3	1,502.87	3	1,206.81	3	911.76	3	620.73	3	324.46	3	31.08	3	3	3		3	
1/4	1,792.69	1/4	1,496.70	1/4	1,200.64	1/4	905.72	1/4	614.56	1/4	318.29	1/4	25.93	1/4	1/4	1/4		1/4	
1/2	1,786.52	1/2	1,490.53	1/2	1,194.47	1/2	899.67	1/2	608.38	1/2	312.12	1/2	20.79	1/2	1/2	1/2		1/2	
3/4	1,780.35	3/4	1,484.37	3/4	1,188.31	3/4	893.65	3/4	602.21	3/4	305.95	3/4	17.70	3/4	3/4	3/4		3/4	
4	1,774.18	4	1,478.20	4	1,182.14	4	887.62	4	596.04	4	299.77	4	14.60	4	4	4		4	
1/4	1,768.02	1/4	1,472.03	1/4	1,175.97	1/4	881.60	1/4	589.87	1/4	293.60	1/4	11.51	1/4	1/4	1/4		1/4	
1/2	1,761.85	1/2	1,465.86	1/2	1,169.80	1/2	875.57	1/2	583.69	1/2	287.43	1/2	8.42	1/2	1/2	1/2		1/2	
3/4	1,755.68	3/4	1,459.69	3/4	1,163.63	3/4	869.56	3/4	577.52	3/4	281.26	3/4	7.39	3/4	3/4	3/4		3/4	
5	1,749.51	5	1,453.53	5	1,157.47	5	863.55	5	571.35	5	275.08	5	6.36	5	5	5		5	
1/4	1,743.34	1/4	1,447.36	1/4	1,151.30	1/4	857.54	1/4	565.18	1/4	268.91	1/4	5.33	1/4	1/4	1/4		1/4	
1/2	1,737.18	1/2	1,441.19	1/2	1,145.13	1/2	851.54	1/2	559.01	1/2	262.74	1/2	4.30	1/2	1/2	1/2		1/2	
3/4	1,731.01	3/4	1,435.02	3/4	1,138.96	3/4	845.53	3/4	552.83	3/4	256.57	3/4		3/4	3/4	3/4		3/4	
6	1,724.84	6	1,428.85	6	1,132.80	6	839.52	6	546.66	6	250.40	6		6	6	6		6	
1/4	1,718.68	1/4	1,422.69	1/4	1,126.63	1/4	833.51	1/4	540.49	1/4	244.22	1/4		1/4	1/4	1/4		1/4	
1/2	1,712.51	1/2	1,416.52	1/2	1,120.46	1/2	827.50	1/2	534.32	1/2	238.05	1/2		1/2	1/2	1/2		1/2	
3/4	1,706.35	3/4	1,410.35	3/4	1,114.29	3/4	821.49	3/4	528.15	3/4	231.88	3/4		3/4	3/4	3/4		3/4	
7	1,700.18	7	1,404.18	7	1,108.12	7	815.48	7	521.97	7	225.71	7		7	7	7		7	
1/4	1,694.02	1/4	1,398.02	1/4	1,101.96	1/4	809.47	1/4	515.80	1/4	219.54	1/4		1/4	1/4	1/4		1/4	
1/2	1,687.85	1/2	1,391.85	1/2	1,095.79	1/2	803.46	1/2	509.63	1/2	213.36	1/2		1/2	1/2	1/2		1/2	
3/4	1,681.69	3/4	1,385.68	3/4	1,089.62	3/4	797.45	3/4	503.46	3/4	207.19	3/4		3/4	3/4	3/4		3/4	
8	1,675.52	8	1,379.51	8	1,083.45	8	791.44	8	497.28	8	201.02	8		8	8	8		8	
1/4	1,669.36	1/4	1,373.34	1/4	1,077.28	1/4	785.43	1/4	491.11	1/4	194.85	1/4		1/4	1/4	1/4		1/4	
1/2	1,663.20	1/2	1,367.18	1/2	1,071.12	1/2	779.42	1/2	484.94	1/2	188.67	1/2		1/2	1/2	1/2		1/2	
3/4	1,657.03	3/4	1,361.01	3/4	1,064.95	3/4	773.41	3/4	478.77	3/4	182.50	3/4		3/4	3/4	3/4		3/4	
9	1,650.87	9	1,354.84	9	1,058.78	9	767.41	9	472.60	9	176.33	9		9	9	9		9	
1/4	1,644.70	1/4	1,348.67	1/4	1,052.61	1/4	761.40	1/4	466.42	1/4	170.16	1/4		1/4	1/4	1/4		1/4	
1/2	1,638.54	1/2	1,342.50	1/2	1,046.44	1/2	755.39	1/2	460.25	1/2	163.99	1/2		1/2	1/2	1/2		1/2	
3/4	1,632.37	3/4	1,336.34	3/4	1,040.28	3/4	749.38	3/4	454.08	3/4	157.81	3/4		3/4	3/4	3/4		3/4	
10	1,626.21	10	1,330.17	10	1,034.11	10	743.37	10	447.91	10	151.63	10		10	10	10		10	
1/4	1,620.04	1/4	1,324.00	1/4	1,027.94	1/4	737.36	1/4	441.73	1/4	145.46	1/4		1/4	1/4	1/4		1/4	
1/2	1,613.88	1/2	1,317.83	1/2	1,021.77	1/2	731.35	1/2	435.56	1/2	139.28	1/2		1/2	1/2	1/2		1/2	
3/4	1,607.71	3/4	1,311.66	3/4	1,015.61	3/4	725.28	3/4	429.39	3/4	133.11	3/4		3/4	3/4	3/4		3/4	
11	1,601.55	11	1,305.50	11	1,009.44	11	719.20	11	423.22	11	126.95	11		11	11	11		11	
1/4	1,595.38	1/4	1,299.33	1/4	1,003.27	1/4	713.13	1/4	417.05	1/4	120.78	1/4		1/4	1/4	1/4		1/4	
1/2	1,589.22	1/2	1,293.16	1/2	997.10	1/2	707.06	1/2	410.87	1/2	114.62	1/2		1/2	1/2	1/2		1/2	
3/4	1,583.05	3/4	1,286.99	3/4	990.93	3/4	700.90	3/4	404.70	3/4	108.47	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/20/2012 CL - SW
CALCULATED: 06/20/2012 CL
PRINTED: 06/20/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2012

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



BARGE "KIRBY 10238"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06"

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	3,465.96	0	3,239.94	0	2,978.79	0	2,717.64	0	2,456.02	0	2,193.47	0	1,930.92
1/4		1/4		1/4		1/4	3,465.05	1/4	3,234.50	1/4	2,973.35	1/4	2,712.20	1/4	2,450.55	1/4	2,188.00	1/4	1,925.45
1/2		1/2		1/2		1/2	3,464.13	1/2	3,229.06	1/2	2,967.91	1/2	2,706.76	1/2	2,445.08	1/2	2,182.53	1/2	1,919.98
3/4		3/4		3/4		3/4	3,463.22	3/4	3,223.62	3/4	2,962.47	3/4	2,701.32	3/4	2,439.61	3/4	2,177.06	3/4	1,914.51
1		1		1		1	3,462.31	1	3,218.17	1	2,957.03	1	2,695.88	1	2,434.14	1	2,171.59	1	1,909.04
1/4		1/4		1/4		1/4	3,459.57	1/4	3,212.73	1/4	2,951.59	1/4	2,690.44	1/4	2,428.67	1/4	2,166.12	1/4	1,903.57
1/2		1/2		1/2		1/2	3,456.84	1/2	3,207.29	1/2	2,946.14	1/2	2,685.00	1/2	2,423.20	1/2	2,160.65	1/2	1,898.10
3/4		3/4		3/4		3/4	3,454.10	3/4	3,201.85	3/4	2,940.70	3/4	2,679.56	3/4	2,417.73	3/4	2,155.18	3/4	1,892.63
2		2		2		2	3,451.36	2	3,196.41	2	2,935.26	2	2,674.11	2	2,412.26	2	2,149.71	2	1,887.16
1/4		1/4		1/4		1/4	3,446.93	1/4	3,190.97	1/4	2,929.82	1/4	2,668.67	1/4	2,406.80	1/4	2,144.24	1/4	1,881.69
1/2		1/2		1/2		1/2	3,442.50	1/2	3,185.53	1/2	2,924.38	1/2	2,663.23	1/2	2,401.33	1/2	2,138.77	1/2	1,876.22
3/4		3/4		3/4		3/4	3,438.07	3/4	3,180.09	3/4	2,918.94	3/4	2,657.79	3/4	2,395.86	3/4	2,133.31	3/4	1,870.75
3		3		3		3	3,433.64	3	3,174.65	3	2,913.50	3	2,652.35	3	2,390.39	3	2,127.84	3	1,865.28
1/4		1/4		1/4		1/4	3,428.34	1/4	3,169.21	1/4	2,908.06	1/4	2,646.91	1/4	2,384.92	1/4	2,122.37	1/4	1,859.82
1/2		1/2		1/2		1/2	3,423.03	1/2	3,163.77	1/2	2,902.62	1/2	2,641.47	1/2	2,379.45	1/2	2,116.90	1/2	1,854.35
3/4		3/4		3/4		3/4	3,417.73	3/4	3,158.33	3/4	2,897.18	3/4	2,636.03	3/4	2,373.98	3/4	2,111.43	3/4	1,848.88
4		4		4		4	3,412.43	4	3,152.89	4	2,891.74	4	2,630.59	4	2,368.51	4	2,105.96	4	1,843.41
1/4		1/4		1/4		1/4	3,407.10	1/4	3,147.45	1/4	2,886.30	1/4	2,625.15	1/4	2,363.04	1/4	2,100.49	1/4	1,837.94
1/2		1/2		1/2		1/2	3,401.77	1/2	3,142.01	1/2	2,880.86	1/2	2,619.71	1/2	2,357.57	1/2	2,095.02	1/2	1,832.47
3/4		3/4		3/4		3/4	3,396.43	3/4	3,136.57	3/4	2,875.42	3/4	2,614.27	3/4	2,352.10	3/4	2,089.55	3/4	1,827.00
5		5		5		5	3,391.10	5	3,131.12	5	2,869.98	5	2,608.83	5	2,346.63	5	2,084.08	5	1,821.53
1/4		1/4		1/4		1/4	3,385.75	1/4	3,125.68	1/4	2,864.54	1/4	2,603.39	1/4	2,341.16	1/4	2,078.61	1/4	1,816.06
1/2		1/2		1/2		1/2	3,380.41	1/2	3,120.24	1/2	2,859.09	1/2	2,597.95	1/2	2,335.69	1/2	2,073.14	1/2	1,810.59
3/4		3/4		3/4		3/4	3,375.07	3/4	3,114.80	3/4	2,853.65	3/4	2,592.51	3/4	2,330.22	3/4	2,067.67	3/4	1,805.12
6		6		6		6	3,369.72	6	3,109.36	6	2,848.21	6	2,587.06	6	2,324.75	6	2,062.20	6	1,799.65
1/4		1/4		1/4		1/4	3,364.38	1/4	3,103.92	1/4	2,842.77	1/4	2,581.62	1/4	2,319.28	1/4	2,056.73	1/4	1,794.18
1/2		1/2		1/2		1/2	3,359.04	1/2	3,098.48	1/2	2,837.33	1/2	2,576.18	1/2	2,313.81	1/2	2,051.26	1/2	1,788.71
3/4		3/4		3/4		3/4	3,353.70	3/4	3,093.04	3/4	2,831.89	3/4	2,570.74	3/4	2,308.34	3/4	2,045.79	3/4	1,783.24
7		7		7		7	3,348.35	7	3,087.60	7	2,826.45	7	2,565.30	7	2,302.87	7	2,040.32	7	1,777.77
1/4		1/4		1/4		1/4	3,343.01	1/4	3,082.16	1/4	2,821.01	1/4	2,559.86	1/4	2,297.40	1/4	2,034.85	1/4	1,772.30
1/2		1/2		1/2		1/2	3,337.67	1/2	3,076.72	1/2	2,815.57	1/2	2,554.42	1/2	2,291.93	1/2	2,029.38	1/2	1,766.83
3/4		3/4		3/4		3/4	3,332.33	3/4	3,071.28	3/4	2,810.13	3/4	2,548.98	3/4	2,286.46	3/4	2,023.91	3/4	1,761.36
8		8		8		8	3,326.99	8	3,065.84	8	2,804.69	8	2,543.54	8	2,280.99	8	2,018.44	8	1,755.89
1/4		1/4		1/4		1/4	3,321.55	1/4	3,060.40	1/4	2,799.25	1/4	2,538.07	1/4	2,275.52	1/4	2,012.97	1/4	1,750.42
1/2		1/2		1/2		1/2	3,316.11	1/2	3,054.96	1/2	2,793.81	1/2	2,532.60	1/2	2,270.05	1/2	2,007.50	1/2	1,744.95
3/4		3/4		3/4		3/4	3,310.66	3/4	3,049.52	3/4	2,788.37	3/4	2,527.13	3/4	2,264.58	3/4	2,002.03	3/4	1,739.48
9		9		9		9	3,305.22	9	3,044.08	9	2,782.93	9	2,521.66	9	2,259.11	9	1,996.56	9	1,734.01
1/4		1/4		1/4		1/4	3,299.78	1/4	3,038.63	1/4	2,777.49	1/4	2,516.19	1/4	2,253.64	1/4	1,991.09	1/4	1,728.54
1/2		1/2		1/2		1/2	3,294.34	1/2	3,033.19	1/2	2,772.05	1/2	2,510.72	1/2	2,248.17	1/2	1,985.62	1/2	1,723.07
3/4		3/4		3/4		3/4	3,288.90	3/4	3,027.75	3/4	2,766.60	3/4	2,505.25	3/4	2,242.70	3/4	1,980.15	3/4	1,717.60
10		10		10		10	3,283.46	10	3,022.31	10	2,761.16	10	2,499.78	10	2,237.23	10	1,974.68	10	1,712.13
1/4		1/4		1/4		1/4	3,278.02	1/4	3,016.87	1/4	2,755.72	1/4	2,494.31	1/4	2,231.76	1/4	1,969.21	1/4	1,706.66
1/2		1/2		1/2		1/2	3,272.58	1/2	3,011.43	1/2	2,750.28	1/2	2,488.84	1/2	2,226.29	1/2	1,963.74	1/2	1,701.19
3/4		3/4		3/4		3/4	3,267.14	3/4	3,005.99	3/4	2,744.84	3/4	2,483.37	3/4	2,220.82	3/4	1,958.27	3/4	1,695.72
11		11		11		11	3,261.70	11	3,000.55	11	2,739.40	11	2,477.90	11	2,215.35	11	1,952.80	11	1,690.25
1/4		1/4		1/4		1/4	3,256.26	1/4	2,995.11	1/4	2,733.96	1/4	2,472.43	1/4	2,209.88	1/4	1,947.33	1/4	1,684.78
1/2		1/2		1/2		1/2	3,250.82	1/2	2,989.67	1/2	2,728.52	1/2	2,466.96	1/2	2,204.41	1/2	1,941.86	1/2	1,679.31
3/4		3/4		3/4		3/4	3,245.38	3/4	2,984.23	3/4	2,723.08	3/4	2,461.49	3/4	2,198.94	3/4	1,936.39	3/4	1,673.84

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

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 10238"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06"

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	1,668.37	0	1,405.82	0	1,143.11	0	882.25	0	623.61	0	360.91	0	98.31	0		0		0	
1/4	1,662.90	1/4	1,400.35	1/4	1,137.63	1/4	876.86	1/4	618.14	1/4	355.44	1/4	92.87	1/4	1/4	1/4		1/4	
1/2	1,657.43	1/2	1,394.88	1/2	1,132.16	1/2	871.48	1/2	612.66	1/2	349.97	1/2	87.43	1/2	1/2	1/2		1/2	
3/4	1,651.96	3/4	1,389.40	3/4	1,126.69	3/4	866.09	3/4	607.19	3/4	344.50	3/4	82.00	3/4	3/4	3/4		3/4	
1	1,646.49	1	1,383.93	1	1,121.22	1	860.70	1	601.72	1	339.02	1	76.56	1	1	1		1	
1/4	1,641.02	1/4	1,378.46	1/4	1,115.74	1/4	855.31	1/4	596.24	1/4	333.55	1/4	71.15	1/4	1/4	1/4		1/4	
1/2	1,635.55	1/2	1,372.98	1/2	1,110.27	1/2	849.92	1/2	590.77	1/2	328.08	1/2	65.74	1/2	1/2	1/2		1/2	
3/4	1,630.08	3/4	1,367.51	3/4	1,104.80	3/4	844.53	3/4	585.30	3/4	322.60	3/4	60.33	3/4	3/4	3/4		3/4	
2	1,624.61	2	1,362.04	2	1,099.32	2	839.14	2	579.83	2	317.13	2	54.92	2	2	2		2	
1/4	1,619.14	1/4	1,356.56	1/4	1,093.85	1/4	833.76	1/4	574.35	1/4	311.66	1/4	49.56	1/4	1/4	1/4		1/4	
1/2	1,613.67	1/2	1,351.09	1/2	1,088.38	1/2	828.37	1/2	568.88	1/2	306.19	1/2	44.20	1/2	1/2	1/2		1/2	
3/4	1,608.20	3/4	1,345.62	3/4	1,082.90	3/4	822.98	3/4	563.41	3/4	300.71	3/4	38.84	3/4	3/4	3/4		3/4	
3	1,602.73	3	1,340.14	3	1,077.43	3	817.59	3	557.94	3	295.24	3	33.48	3	3	3		3	
1/4	1,597.26	1/4	1,334.67	1/4	1,071.96	1/4	812.21	1/4	552.46	1/4	289.77	1/4	28.93	1/4	1/4	1/4		1/4	
1/2	1,591.79	1/2	1,329.20	1/2	1,066.48	1/2	806.82	1/2	546.99	1/2	284.30	1/2	24.37	1/2	1/2	1/2		1/2	
3/4	1,586.33	3/4	1,323.72	3/4	1,061.01	3/4	801.44	3/4	541.52	3/4	278.82	3/4	19.82	3/4	3/4	3/4		3/4	
4	1,580.86	4	1,318.25	4	1,055.54	4	796.06	4	536.04	4	273.35	4	15.27	4	4	4		4	
1/4	1,575.39	1/4	1,312.78	1/4	1,050.06	1/4	790.67	1/4	530.57	1/4	267.88	1/4	12.53	1/4	1/4	1/4		1/4	
1/2	1,569.92	1/2	1,307.30	1/2	1,044.59	1/2	785.29	1/2	525.10	1/2	262.40	1/2	9.80	1/2	1/2	1/2		1/2	
3/4	1,564.45	3/4	1,301.83	3/4	1,039.12	3/4	779.91	3/4	519.63	3/4	256.93	3/4	7.06	3/4	3/4	3/4		3/4	
5	1,558.98	5	1,296.36	5	1,033.64	5	774.52	5	514.15	5	251.46	5	4.32	5	5	5		5	
1/4	1,553.51	1/4	1,290.88	1/4	1,028.17	1/4	769.14	1/4	508.68	1/4	245.99	1/4	3.41	1/4	1/4	1/4		1/4	
1/2	1,548.04	1/2	1,285.41	1/2	1,022.70	1/2	763.76	1/2	503.21	1/2	240.51	1/2	2.50	1/2	1/2	1/2		1/2	
3/4	1,542.57	3/4	1,279.94	3/4	1,017.22	3/4	758.37	3/4	497.73	3/4	235.04	3/4	1.59	3/4	3/4	3/4		3/4	
6	1,537.10	6	1,274.46	6	1,011.75	6	752.99	6	492.26	6	229.57	6	0.68	6	6	6		6	
1/4	1,531.63	1/4	1,268.99	1/4	1,006.32	1/4	747.61	1/4	486.79	1/4	224.09	1/4		1/4	1/4	1/4		1/4	
1/2	1,526.16	1/2	1,263.52	1/2	1,000.89	1/2	742.22	1/2	481.32	1/2	218.62	1/2		1/2	1/2	1/2		1/2	
3/4	1,520.69	3/4	1,258.05	3/4	995.46	3/4	736.84	3/4	475.84	3/4	213.15	3/4		3/4	3/4	3/4		3/4	
7	1,515.22	7	1,252.57	7	990.03	7	731.46	7	470.37	7	207.68	7		7	7	7		7	
1/4	1,509.75	1/4	1,247.10	1/4	984.64	1/4	726.07	1/4	464.90	1/4	202.20	1/4		1/4	1/4	1/4		1/4	
1/2	1,504.28	1/2	1,241.63	1/2	979.25	1/2	720.69	1/2	459.42	1/2	196.73	1/2		1/2	1/2	1/2		1/2	
3/4	1,498.81	3/4	1,236.15	3/4	973.86	3/4	715.31	3/4	453.95	3/4	191.26	3/4		3/4	3/4	3/4		3/4	
8	1,493.34	8	1,230.68	8	968.47	8	709.92	8	448.48	8	185.78	8		8	8	8		8	
1/4	1,487.87	1/4	1,225.21	1/4	963.08	1/4	704.54	1/4	443.01	1/4	180.31	1/4		1/4	1/4	1/4		1/4	
1/2	1,482.40	1/2	1,219.73	1/2	957.69	1/2	699.16	1/2	437.53	1/2	174.84	1/2		1/2	1/2	1/2		1/2	
3/4	1,476.93	3/4	1,214.26	3/4	952.31	3/4	693.77	3/4	432.06	3/4	169.37	3/4		3/4	3/4	3/4		3/4	
9	1,471.46	9	1,208.79	9	946.92	9	688.39	9	426.59	9	163.89	9		9	9	9		9	
1/4	1,465.99	1/4	1,203.31	1/4	941.53	1/4	683.01	1/4	421.12	1/4	158.42	1/4		1/4	1/4	1/4		1/4	
1/2	1,460.52	1/2	1,197.84	1/2	936.14	1/2	677.62	1/2	415.64	1/2	152.95	1/2		1/2	1/2	1/2		1/2	
3/4	1,455.05	3/4	1,192.37	3/4	930.75	3/4	672.24	3/4	410.17	3/4	147.48	3/4		3/4	3/4	3/4		3/4	
10	1,449.58	10	1,186.89	10	925.36	10	666.86	10	404.70	10	142.00	10		10	10	10		10	
1/4	1,444.11	1/4	1,181.42	1/4	919.97	1/4	661.48	1/4	399.22	1/4	136.54	1/4		1/4	1/4	1/4		1/4	
1/2	1,438.64	1/2	1,175.95	1/2	914.58	1/2	656.09	1/2	393.75	1/2	131.07	1/2		1/2	1/2	1/2		1/2	
3/4	1,433.17	3/4	1,170.47	3/4	909.20	3/4	650.71	3/4	388.28	3/4	125.60	3/4		3/4	3/4	3/4		3/4	
11	1,427.70	11	1,165.00	11	903.81	11	645.33	11	382.81	11	120.14	11		11	11	11		11	
1/4	1,422.23	1/4	1,159.53	1/4	898.42	1/4	639.90	1/4	377.33	1/4	114.68	1/4		1/4	1/4	1/4		1/4	
1/2	1,416.76	1/2	1,154.05	1/2	893.03	1/2	634.47	1/2	371.86	1/2	109.22	1/2		1/2	1/2	1/2		1/2	
3/4	1,411.29	3/4	1,148.58	3/4	887.64	3/4	629.04	3/4	366.39	3/4	103.77	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/20/2012 CL - SW
CALCULATED: 06/20/2012 CL
PRINTED: 06/20/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2012

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



BARGE "KIRBY 10238"

3 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	3,448.13	0	3,218.99	0	2,959.44	0	2,699.89	0	2,439.85	0	2,178.91	0	1,917.97		
1/4		1/4		1/4		1/4	3,447.22	1/4	3,213.59	1/4	2,954.04	1/4	2,694.49	1/4	2,434.41	1/4	2,173.47	1/4	1,912.53		
1/2		1/2		1/2		1/2	3,446.31	1/2	3,208.18	1/2	2,948.63	1/2	2,689.08	1/2	2,428.98	1/2	2,168.03	1/2	1,907.09		
3/4		3/4		3/4		3/4	3,445.41	3/4	3,202.77	3/4	2,943.22	3/4	2,683.67	3/4	2,423.54	3/4	2,162.60	3/4	1,901.66		
1		1		1		1	3,442.69	1	3,197.36	1	2,937.81	1	2,678.26	1	2,418.10	1	2,157.16	1	1,896.22		
1/4		1/4		1/4		1/4	3,439.97	1/4	3,191.96	1/4	2,932.41	1/4	2,672.86	1/4	2,412.67	1/4	2,151.73	1/4	1,890.78		
1/2		1/2		1/2		1/2	3,437.25	1/2	3,186.55	1/2	2,927.00	1/2	2,667.45	1/2	2,407.23	1/2	2,146.29	1/2	1,885.35		
3/4		3/4		3/4		3/4	3,434.53	3/4	3,181.14	3/4	2,921.59	3/4	2,662.04	3/4	2,401.80	3/4	2,140.85	3/4	1,879.91		
2		2		2		2	3,430.12	2	3,175.74	2	2,916.19	2	2,656.63	2	2,396.36	2	2,135.42	2	1,874.47		
1/4		1/4		1/4		1/4	3,425.72	1/4	3,170.33	1/4	2,910.78	1/4	2,651.23	1/4	2,390.92	1/4	2,129.98	1/4	1,869.04		
1/2		1/2		1/2		1/2	3,421.32	1/2	3,164.92	1/2	2,905.37	1/2	2,645.82	1/2	2,385.49	1/2	2,124.54	1/2	1,863.60		
3/4		3/4		3/4		3/4	3,416.91	3/4	3,159.51	3/4	2,899.96	3/4	2,640.41	3/4	2,380.05	3/4	2,119.11	3/4	1,858.17		
3		3		3		3	3,411.64	3	3,154.11	3	2,894.56	3	2,635.01	3	2,374.61	3	2,113.67	3	1,852.73		
1/4		1/4		1/4		1/4	3,406.38	1/4	3,148.70	1/4	2,889.15	1/4	2,629.60	1/4	2,369.18	1/4	2,108.24	1/4	1,847.29		
1/2		1/2		1/2		1/2	3,401.11	1/2	3,143.29	1/2	2,883.74	1/2	2,624.19	1/2	2,363.74	1/2	2,102.80	1/2	1,841.86		
3/4		3/4		3/4		3/4	3,395.84	3/4	3,137.88	3/4	2,878.33	3/4	2,618.78	3/4	2,358.31	3/4	2,097.36	3/4	1,836.42		
4		4		4		4	3,390.54	4	3,132.48	4	2,872.93	4	2,613.38	4	2,352.87	4	2,091.93	4	1,830.98		
1/4		1/4		1/4		1/4	3,385.24	1/4	3,127.07	1/4	2,867.52	1/4	2,607.97	1/4	2,347.43	1/4	2,086.49	1/4	1,825.55		
1/2		1/2		1/2		1/2	3,379.94	1/2	3,121.66	1/2	2,862.11	1/2	2,602.56	1/2	2,342.00	1/2	2,081.05	1/2	1,820.11		
3/4		3/4		3/4		3/4	3,374.64	3/4	3,116.26	3/4	2,856.70	3/4	2,597.15	3/4	2,336.56	3/4	2,075.62	3/4	1,814.68		
5		5		5		5	3,369.33	5	3,110.85	5	2,851.30	5	2,591.75	5	2,331.12	5	2,070.18	5	1,809.24		
1/4		1/4		1/4		1/4	3,364.01	1/4	3,105.44	1/4	2,845.89	1/4	2,586.34	1/4	2,325.69	1/4	2,064.75	1/4	1,803.80		
1/2		1/2		1/2		1/2	3,358.70	1/2	3,100.03	1/2	2,840.48	1/2	2,580.93	1/2	2,320.25	1/2	2,059.31	1/2	1,798.37		
3/4		3/4		3/4		3/4	3,353.38	3/4	3,094.63	3/4	2,835.08	3/4	2,575.53	3/4	2,314.81	3/4	2,053.87	3/4	1,792.93		
6		6		6		6	3,348.07	6	3,089.22	6	2,829.67	6	2,570.12	6	2,309.38	6	2,048.44	6	1,787.49		
1/4		1/4		1/4		1/4	3,342.77	1/4	3,083.81	1/4	2,824.26	1/4	2,564.71	1/4	2,303.94	1/4	2,043.00	1/4	1,782.06		
1/2		1/2		1/2		1/2	3,337.46	1/2	3,078.40	1/2	2,818.85	1/2	2,559.30	1/2	2,298.51	1/2	2,037.56	1/2	1,776.62		
3/4		3/4		3/4		3/4	3,332.15	3/4	3,073.00	3/4	2,813.45	3/4	2,553.90	3/4	2,293.07	3/4	2,032.13	3/4	1,771.18		
7		7		7		7	3,326.84	7	3,067.59	7	2,808.04	7	2,548.49	7	2,287.63	7	2,026.69	7	1,765.75		
1/4		1/4		1/4		1/4	3,321.53	1/4	3,062.18	1/4	2,802.63	1/4	2,543.08	1/4	2,282.20	1/4	2,021.25	1/4	1,760.31		
1/2		1/2		1/2		1/2	3,316.23	1/2	3,056.78	1/2	2,797.22	1/2	2,537.67	1/2	2,276.76	1/2	2,015.82	1/2	1,754.88		
3/4		3/4		3/4		3/4	3,310.92	3/4	3,051.37	3/4	2,791.82	3/4	2,532.27	3/4	2,271.32	3/4	2,010.38	3/4	1,749.44		
8		8		8		8	3,305.51	8	3,045.96	8	2,786.41	8	2,526.83	8	2,265.89	8	2,004.95	8	1,744.00		
1/4		1/4		1/4		1/4	3,300.10	1/4	3,040.55	1/4	2,781.00	1/4	2,521.39	1/4	2,260.45	1/4	1,999.51	1/4	1,738.57		
1/2		1/2		1/2		1/2	3,294.70	1/2	3,035.15	1/2	2,775.60	1/2	2,515.96	1/2	2,255.02	1/2	1,994.07	1/2	1,733.13		
3/4		3/4		3/4		3/4	3,289.29	3/4	3,029.74	3/4	2,770.19	3/4	2,510.52	3/4	2,249.58	3/4	1,988.64	3/4	1,727.69		
9		9		9		9	3,283.88	9	3,024.33	9	2,764.78	9	2,505.09	9	2,244.14	9	1,983.20	9	1,722.26		
1/4		1/4		1/4		1/4	3,278.47	1/4	3,018.92	1/4	2,759.37	1/4	2,499.65	1/4	2,238.71	1/4	1,977.76	1/4	1,716.82		
1/2		1/2		1/2		1/2	3,273.07	1/2	3,013.52	1/2	2,753.97	1/2	2,494.21	1/2	2,233.27	1/2	1,972.33	1/2	1,711.39		
3/4		3/4		3/4		3/4	3,267.66	3/4	3,008.11	3/4	2,748.56	3/4	2,488.78	3/4	2,227.83	3/4	1,966.89	3/4	1,705.95		
10		10		10		10	3,262.25	10	3,002.70	10	2,743.15	10	2,483.34	10	2,222.40	10	1,961.46	10	1,700.51		
1/4		1/4		1/4		1/4	3,256.85	1/4	2,997.29	1/4	2,737.74	1/4	2,477.90	1/4	2,216.96	1/4	1,956.02	1/4	1,695.08		
1/2		1/2		1/2		1/2	3,251.44	1/2	2,991.89	1/2	2,732.34	1/2	2,472.47	1/2	2,211.53	1/2	1,950.58	1/2	1,689.64		
3/4		3/4		3/4		3/4	3,246.03	3/4	2,986.48	3/4	2,726.93	3/4	2,467.03	3/4	2,206.09	3/4	1,945.15	3/4	1,684.20		
11		11		11		11	3,240.62	11	2,981.07	11	2,721.52	11	2,461.60	11	2,200.65	11	1,939.71	11	1,678.77		
1/4		1/4		1/4		1/4	3,235.22	1/4	2,975.67	1/4	2,716.12	1/4	2,456.16	1/4	2,195.22	1/4	1,934.27	1/4	1,673.33		
1/2		1/2		1/2		1/2	3,229.81	1/2	2,970.26	1/2	2,710.71	1/2	2,450.72	1/2	2,189.78	1/2	1,928.84	1/2	1,667.90		
3/4		3/4		3/4		3/4	3,449.03	3/4	3,224.40	3/4	2,964.85	3/4	2,705.30	3/4	2,445.29	3/4	2,184.34	3/4	1,923.40	3/4	1,662.46

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 10238"

3 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.	
0	1,657.02	0	1,396.08	0	1,134.96	0	874.76	0	614.37	0	353.28	0	92.31	0		0		0	
1/4	1,651.59	1/4	1,390.64	1/4	1,129.52	1/4	869.35	1/4	608.93	1/4	347.84	1/4	86.91	1/4	1/4	1/4		1/4	
1/2	1,646.15	1/2	1,385.20	1/2	1,124.08	1/2	863.95	1/2	603.49	1/2	342.40	1/2	81.50	1/2	1/2	1/2		1/2	
3/4	1,640.71	3/4	1,379.76	3/4	1,118.64	3/4	858.55	3/4	598.05	3/4	336.96	3/4	76.10	3/4	3/4	3/4		3/4	
1	1,635.28	1	1,374.32	1	1,113.20	1	853.14	1	592.61	1	331.52	1	70.72	1	1	1		1	
1/4	1,629.84	1/4	1,368.88	1/4	1,107.76	1/4	847.74	1/4	587.17	1/4	326.08	1/4	65.34	1/4	1/4	1/4		1/4	
1/2	1,624.40	1/2	1,363.44	1/2	1,102.32	1/2	842.34	1/2	581.73	1/2	320.64	1/2	59.97	1/2	1/2	1/2		1/2	
3/4	1,618.97	3/4	1,358.00	3/4	1,096.88	3/4	836.93	3/4	576.29	3/4	315.20	3/4	54.59	3/4	3/4	3/4		3/4	
2	1,613.53	2	1,352.56	2	1,091.44	2	831.53	2	570.85	2	309.76	2	49.26	2	2	2		2	
1/4	1,608.10	1/4	1,347.12	1/4	1,086.00	1/4	826.12	1/4	565.41	1/4	304.32	1/4	43.93	1/4	1/4	1/4		1/4	
1/2	1,602.66	1/2	1,341.68	1/2	1,080.56	1/2	820.72	1/2	559.97	1/2	298.88	1/2	38.61	1/2	1/2	1/2		1/2	
3/4	1,597.22	3/4	1,336.24	3/4	1,075.12	3/4	815.32	3/4	554.54	3/4	293.44	3/4	33.28	3/4	3/4	3/4		3/4	
3	1,591.79	3	1,330.80	3	1,069.68	3	809.92	3	549.10	3	288.00	3	28.76	3	3	3		3	
1/4	1,586.35	1/4	1,325.36	1/4	1,064.24	1/4	804.52	1/4	543.66	1/4	282.57	1/4	24.23	1/4	1/4	1/4		1/4	
1/2	1,580.91	1/2	1,319.92	1/2	1,058.80	1/2	799.12	1/2	538.22	1/2	277.13	1/2	19.71	1/2	1/2	1/2		1/2	
3/4	1,575.48	3/4	1,314.48	3/4	1,053.36	3/4	793.73	3/4	532.78	3/4	271.69	3/4	15.18	3/4	3/4	3/4		3/4	
4	1,570.04	4	1,309.04	4	1,047.92	4	788.29	4	527.34	4	266.25	4	12.46	4	4	4		4	
1/4	1,564.61	1/4	1,303.60	1/4	1,042.48	1/4	782.86	1/4	521.90	1/4	260.81	1/4	9.74	1/4	1/4	1/4		1/4	
1/2	1,559.17	1/2	1,298.16	1/2	1,037.04	1/2	777.42	1/2	516.46	1/2	255.37	1/2	7.02	1/2	1/2	1/2		1/2	
3/4	1,553.73	3/4	1,292.72	3/4	1,031.60	3/4	771.99	3/4	511.02	3/4	249.93	3/4	4.30	3/4	3/4	3/4		3/4	
5	1,548.30	5	1,287.28	5	1,026.16	5	766.55	5	505.58	5	244.49	5	3.40	5	5	5		5	
1/4	1,542.86	1/4	1,281.84	1/4	1,020.72	1/4	761.12	1/4	500.14	1/4	239.05	1/4	2.49	1/4	1/4	1/4		1/4	
1/2	1,537.42	1/2	1,276.40	1/2	1,015.28	1/2	755.68	1/2	494.70	1/2	233.61	1/2	1.58	1/2	1/2	1/2		1/2	
3/4	1,531.99	3/4	1,270.96	3/4	1,009.84	3/4	750.25	3/4	489.26	3/4	228.17	3/4	0.68	3/4	3/4	3/4		3/4	
6	1,526.55	6	1,265.52	6	1,004.44	6	744.81	6	483.82	6	222.73	6		6	6	6		6	
1/4	1,521.12	1/4	1,260.08	1/4	999.04	1/4	739.38	1/4	478.38	1/4	217.29	1/4		1/4	1/4	1/4		1/4	
1/2	1,515.68	1/2	1,254.64	1/2	993.63	1/2	733.95	1/2	472.94	1/2	211.85	1/2		1/2	1/2	1/2		1/2	
3/4	1,510.24	3/4	1,249.20	3/4	988.23	3/4	728.51	3/4	467.50	3/4	206.41	3/4		3/4	3/4	3/4		3/4	
7	1,504.81	7	1,243.76	7	982.83	7	723.08	7	462.07	7	200.97	7		7	7	7		7	
1/4	1,499.37	1/4	1,238.32	1/4	977.42	1/4	717.64	1/4	456.63	1/4	195.53	1/4		1/4	1/4	1/4		1/4	
1/2	1,493.93	1/2	1,232.88	1/2	972.02	1/2	712.21	1/2	451.19	1/2	190.10	1/2		1/2	1/2	1/2		1/2	
3/4	1,488.50	3/4	1,227.44	3/4	966.62	3/4	706.77	3/4	445.75	3/4	184.66	3/4		3/4	3/4	3/4		3/4	
8	1,483.06	8	1,222.00	8	961.21	8	701.34	8	440.31	8	179.22	8		8	8	8		8	
1/4	1,477.62	1/4	1,216.56	1/4	955.81	1/4	695.90	1/4	434.87	1/4	173.78	1/4		1/4	1/4	1/4		1/4	
1/2	1,472.19	1/2	1,211.12	1/2	950.41	1/2	690.47	1/2	429.43	1/2	168.34	1/2		1/2	1/2	1/2		1/2	
3/4	1,466.75	3/4	1,205.68	3/4	945.00	3/4	685.04	3/4	423.99	3/4	162.90	3/4		3/4	3/4	3/4		3/4	
9	1,461.32	9	1,200.24	9	939.60	9	679.60	9	418.55	9	157.46	9		9	9	9		9	
1/4	1,455.88	1/4	1,194.80	1/4	934.19	1/4	674.17	1/4	413.11	1/4	152.02	1/4		1/4	1/4	1/4		1/4	
1/2	1,450.44	1/2	1,189.36	1/2	928.79	1/2	668.73	1/2	407.67	1/2	146.58	1/2		1/2	1/2	1/2		1/2	
3/4	1,445.01	3/4	1,183.92	3/4	923.39	3/4	663.30	3/4	402.23	3/4	141.14	3/4		3/4	3/4	3/4		3/4	
10	1,439.57	10	1,178.48	10	917.98	10	657.86	10	396.79	10	135.71	10		10	10	10		10	
1/4	1,434.13	1/4	1,173.04	1/4	912.58	1/4	652.43	1/4	391.35	1/4	130.28	1/4		1/4	1/4	1/4		1/4	
1/2	1,428.70	1/2	1,167.60	1/2	907.18	1/2	647.00	1/2	385.91	1/2	124.84	1/2		1/2	1/2	1/2		1/2	
3/4	1,423.26	3/4	1,162.16	3/4	901.77	3/4	641.56	3/4	380.47	3/4	119.41	3/4		3/4	3/4	3/4		3/4	
11	1,417.83	11	1,156.72	11	896.37	11	636.12	11	375.04	11	113.98	11		11	11	11		11	
1/4	1,412.39	1/4	1,151.28	1/4	890.97	1/4	630.69	1/4	369.60	1/4	108.56	1/4		1/4	1/4	1/4		1/4	
1/2	1,406.95	1/2	1,145.84	1/2	885.56	1/2	625.25	1/2	364.16	1/2	103.14	1/2		1/2	1/2	1/2		1/2	
3/4	1,401.52	3/4	1,140.40	3/4	880.16	3/4	619.81	3/4	358.72	3/4	97.72	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/20/2012 CL - SW
CALCULATED: 06/20/2012 CL
PRINTED: 06/20/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2012

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