



BARGE "KIRBY 10212"

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

(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"

July 27, 2010

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

<http://www.pmacorp.net>



BARGE "KIRBY 10212"

1 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	3,783.78	0	3,551.12	0	3,297.72	0	3,044.32	0	2,783.44	0	2,487.19	0	2,190.25		
1/4		1/4		1/4		1/4	3,781.71	1/4	3,545.84	1/4	3,292.44	1/4	3,039.04	1/4	2,777.28	1/4	2,481.00	1/4	2,184.06		
1/2		1/2		1/2		1/2	3,779.64	1/2	3,540.56	1/2	3,287.16	1/2	3,033.76	1/2	2,771.11	1/2	2,474.81	1/2	2,177.88		
3/4		3/4		3/4		3/4	3,777.57	3/4	3,535.28	3/4	3,281.88	3/4	3,028.48	3/4	2,764.94	3/4	2,468.63	3/4	2,171.69		
1		1		1		1	3,775.50	1	3,530.00	1	3,276.60	1	3,023.20	1	2,758.78	1	2,462.44	1	2,165.50		
1/4		1/4		1/4		1/4	3,771.36	1/4	3,524.72	1/4	3,271.32	1/4	3,017.92	1/4	2,752.61	1/4	2,456.26	1/4	2,159.32		
1/2		1/2		1/2		1/2	3,767.22	1/2	3,519.44	1/2	3,266.04	1/2	3,012.64	1/2	2,746.44	1/2	2,450.07	1/2	2,153.13		
3/4		3/4		3/4		3/4	3,763.08	3/4	3,514.17	3/4	3,260.76	3/4	3,007.36	3/4	2,740.27	3/4	2,443.88	3/4	2,146.95		
2		2		2		2	3,758.94	2	3,508.89	2	3,255.48	2	3,002.08	2	2,734.11	2	2,437.70	2	2,140.76		
1/4		1/4		1/4		1/4	3,754.04	1/4	3,503.61	1/4	3,250.21	1/4	2,996.80	1/4	2,727.94	1/4	2,431.51	1/4	2,134.57		
1/2		1/2		1/2		1/2	3,749.14	1/2	3,498.33	1/2	3,244.93	1/2	2,991.52	1/2	2,721.77	1/2	2,425.33	1/2	2,128.39		
3/4		3/4		3/4		3/4	3,744.23	3/4	3,493.05	3/4	3,239.65	3/4	2,986.25	3/4	2,715.60	3/4	2,419.14	3/4	2,122.20		
3		3		3		3	3,739.33	3	3,487.77	3	3,234.37	3	2,980.97	3	2,709.44	3	2,412.95	3	2,116.02		
1/4		1/4		1/4		1/4	3,734.17	1/4	3,482.49	1/4	3,229.09	1/4	2,975.69	1/4	2,703.27	1/4	2,406.77	1/4	2,109.83		
1/2		1/2		1/2		1/2	3,729.00	1/2	3,477.21	1/2	3,223.81	1/2	2,970.41	1/2	2,697.10	1/2	2,400.58	1/2	2,103.64		
3/4		3/4		3/4		3/4	3,723.83	3/4	3,471.93	3/4	3,218.53	3/4	2,965.13	3/4	2,690.93	3/4	2,394.39	3/4	2,097.46		
4		4		4		4	3,718.67	4	3,466.65	4	3,213.25	4	2,959.85	4	2,684.77	4	2,388.21	4	2,091.27		
1/4		1/4		1/4		1/4	3,713.47	1/4	3,461.37	1/4	3,207.97	1/4	2,954.57	1/4	2,678.60	1/4	2,382.02	1/4	2,085.08		
1/2		1/2		1/2		1/2	3,708.28	1/2	3,456.09	1/2	3,202.69	1/2	2,949.29	1/2	2,672.43	1/2	2,375.84	1/2	2,078.90		
3/4		3/4		3/4		3/4	3,703.09	3/4	3,450.82	3/4	3,197.41	3/4	2,944.01	3/4	2,666.27	3/4	2,369.65	3/4	2,072.71		
5		5		5		5	3,697.90	5	3,445.54	5	3,192.13	5	2,938.73	5	2,660.10	5	2,363.46	5	2,066.53		
1/4		1/4		1/4		1/4	3,692.70	1/4	3,440.26	1/4	3,186.86	1/4	2,933.45	1/4	2,653.93	1/4	2,357.28	1/4	2,060.34		
1/2		1/2		1/2		1/2	3,687.51	1/2	3,434.98	1/2	3,181.58	1/2	2,928.17	1/2	2,647.76	1/2	2,351.09	1/2	2,054.15		
3/4		3/4		3/4		3/4	3,682.31	3/4	3,429.70	3/4	3,176.30	3/4	2,922.90	3/4	2,641.60	3/4	2,344.90	3/4	2,047.97		
6		6		6		6	3,677.12	6	3,424.42	6	3,171.02	6	2,917.62	6	2,635.43	6	2,338.72	6	2,041.78		
1/4		1/4		1/4		1/4	3,671.93	1/4	3,419.14	1/4	3,165.74	1/4	2,912.34	1/4	2,629.26	1/4	2,332.53	1/4	2,035.59		
1/2		1/2		1/2		1/2	3,666.74	1/2	3,413.86	1/2	3,160.46	1/2	2,907.06	1/2	2,623.09	1/2	2,326.35	1/2	2,029.41		
3/4		3/4		3/4		3/4	3,661.55	3/4	3,408.58	3/4	3,155.18	3/4	2,901.78	3/4	2,616.93	3/4	2,320.16	3/4	2,023.22		
7		7		7		7	3,656.35	7	3,403.30	7	3,149.90	7	2,896.50	7	2,610.76	7	2,313.97	7	2,017.04		
1/4		1/4		1/4		1/4	3,651.16	1/4	3,398.02	1/4	3,144.62	1/4	2,891.22	1/4	2,604.59	1/4	2,307.79	1/4	2,010.85		
1/2		1/2		1/2		1/2	3,645.97	1/2	3,392.74	1/2	3,139.34	1/2	2,885.94	1/2	2,598.43	1/2	2,301.60	1/2	2,004.66		
3/4		3/4		3/4		3/4	3,640.78	3/4	3,387.46	3/4	3,134.06	3/4	2,880.66	3/4	2,592.26	3/4	2,295.42	3/4	1,998.48		
8		8		8		8	3,635.59	8	3,382.19	8	3,128.78	8	2,875.38	8	2,586.09	8	2,289.23	8	1,992.29		
1/4		1/4		1/4		1/4	3,630.31	1/4	3,376.91	1/4	3,123.50	1/4	2,870.08	1/4	2,579.92	1/4	2,283.04	1/4	1,986.11		
1/2		1/2		1/2		1/2	3,625.03	1/2	3,371.63	1/2	3,118.23	1/2	2,864.77	1/2	2,573.76	1/2	2,276.86	1/2	1,979.92		
3/4		3/4		3/4		3/4	3,619.75	3/4	3,366.35	3/4	3,112.95	3/4	2,859.47	3/4	2,567.59	3/4	2,270.67	3/4	1,973.73		
9		9		9		9	3,614.47	9	3,361.07	9	3,107.67	9	2,854.17	9	2,561.42	9	2,264.48	9	1,967.55		
1/4		1/4		1/4		1/4	3,609.19	1/4	3,355.79	1/4	3,102.39	1/4	2,848.86	1/4	2,555.24	1/4	2,258.30	1/4	1,961.36		
1/2		1/2		1/2		1/2	3,603.91	1/2	3,350.51	1/2	3,097.11	1/2	2,843.56	1/2	2,549.05	1/2	2,252.11	1/2	1,955.17		
3/4		3/4		3/4		3/4	3,598.63	3/4	3,345.23	3/4	3,091.83	3/4	2,838.25	3/4	2,542.86	3/4	2,245.93	3/4	1,948.99		
10		10		10		10	3,593.35	10	3,339.95	10	3,086.55	10	2,832.95	10	2,536.68	10	2,239.74	10	1,942.80		
1/4		1/4		1/4		1/4	3,588.07	1/4	3,334.67	1/4	3,081.27	1/4	2,826.74	1/4	2,530.49	1/4	2,233.55	1/4	1,936.62		
1/2		1/2		1/2		1/2	3,582.80	1/2	3,329.39	1/2	3,075.99	1/2	2,820.53	1/2	2,524.30	1/2	2,227.37	1/2	1,930.43		
3/4		3/4		3/4		3/4	3,577.52	3/4	3,324.11	3/4	3,070.71	3/4	2,814.32	3/4	2,518.12	3/4	2,221.18	3/4	1,924.24		
11		11		11		11	3,572.24	11	3,318.84	11	3,065.43	11	2,808.11	11	2,511.93	11	2,214.99	11	1,918.06		
1/4		1/4		1/4		1/4	3,566.96	1/4	3,313.56	1/4	3,060.15	1/4	2,801.95	1/4	2,505.75	1/4	2,208.81	1/4	1,911.87		
1/2		1/2		1/2		1/2	3,784.82	1/2	3,561.68	1/2	3,308.28	1/2	3,054.88	1/2	2,795.78	1/2	2,499.56	1/2	2,202.62	1/2	1,905.68
3/4		3/4		3/4		3/4	3,784.30	3/4	3,556.40	3/4	3,303.00	3/4	3,049.60	3/4	2,789.61	3/4	2,493.37	3/4	2,196.44	3/4	1,899.50

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 31'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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BARGE "KIRBY 10212"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06"

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	IN	0
	1,893.31		1,596.14		1,298.79		1,001.44		710.14		412.67		115.12								
1/4	1,887.13	1/4	1,589.95	1/4	1,292.60	1/4	995.25	1/4	703.96	1/4	406.47	1/4	108.95	1/4		1/4		1/4		1/4	
1/2	1,880.94	1/2	1,583.75	1/2	1,286.40	1/2	989.05	1/2	697.78	1/2	400.27	1/2	102.78	1/2		1/2		1/2		1/2	
3/4	1,874.75	3/4	1,577.56	3/4	1,280.21	3/4	982.86	3/4	691.60	3/4	394.07	3/4	96.61	3/4		3/4		3/4		3/4	
1	1,868.57	1	1,571.37	1	1,274.01	1	976.66	1	685.42	1	387.87	1	90.44	1		1		1		1	
1/4	1,862.38	1/4	1,565.17	1/4	1,267.82	1/4	970.53	1/4	679.22	1/4	381.67	1/4	84.30	1/4		1/4		1/4		1/4	
1/2	1,856.19	1/2	1,558.98	1/2	1,261.63	1/2	964.40	1/2	673.02	1/2	375.47	1/2	78.16	1/2		1/2		1/2		1/2	
3/4	1,850.01	3/4	1,552.78	3/4	1,255.43	3/4	958.27	3/4	666.83	3/4	369.27	3/4	72.02	3/4		3/4		3/4		3/4	
2	1,843.82	2	1,546.59	2	1,249.24	2	952.14	2	660.63	2	363.08	2	65.88	2		2		2		2	
1/4	1,837.64	1/4	1,540.39	1/4	1,243.04	1/4	946.07	1/4	654.43	1/4	356.88	1/4	59.80	1/4		1/4		1/4		1/4	
1/2	1,831.45	1/2	1,534.20	1/2	1,236.85	1/2	940.00	1/2	648.23	1/2	350.68	1/2	53.71	1/2		1/2		1/2		1/2	
3/4	1,825.26	3/4	1,528.00	3/4	1,230.65	3/4	933.93	3/4	642.03	3/4	344.48	3/4	47.63	3/4		3/4		3/4		3/4	
3	1,819.08	3	1,521.81	3	1,224.46	3	927.86	3	635.84	3	338.28	3	41.55	3		3		3		3	
1/4	1,812.88	1/4	1,515.61	1/4	1,218.26	1/4	921.80	1/4	629.64	1/4	332.08	1/4	36.38	1/4		1/4		1/4		1/4	
1/2	1,806.69	1/2	1,509.42	1/2	1,212.07	1/2	915.73	1/2	623.44	1/2	325.88	1/2	31.22	1/2		1/2		1/2		1/2	
3/4	1,800.49	3/4	1,503.22	3/4	1,205.87	3/4	909.66	3/4	617.24	3/4	319.68	3/4	26.05	3/4		3/4		3/4		3/4	
4	1,794.30	4	1,497.03	4	1,199.68	4	903.59	4	611.04	4	313.48	4	20.88	4		4		4		4	
1/4	1,788.10	1/4	1,490.83	1/4	1,193.48	1/4	897.54	1/4	604.84	1/4	307.28	1/4	17.78	1/4		1/4		1/4		1/4	
1/2	1,781.91	1/2	1,484.64	1/2	1,187.29	1/2	891.49	1/2	598.64	1/2	301.08	1/2	14.67	1/2		1/2		1/2		1/2	
3/4	1,775.72	3/4	1,478.44	3/4	1,181.09	3/4	885.44	3/4	592.44	3/4	294.89	3/4	11.57	3/4		3/4		3/4		3/4	
5	1,769.52	5	1,472.25	5	1,174.90	5	879.39	5	588.24	5	288.69	5	8.46	5		5		5		5	
1/4	1,763.33	1/4	1,466.05	1/4	1,168.70	1/4	873.35	1/4	580.04	1/4	282.49	1/4	7.43	1/4		1/4		1/4		1/4	
1/2	1,757.13	1/2	1,459.86	1/2	1,162.51	1/2	867.32	1/2	573.84	1/2	276.29	1/2	6.39	1/2		1/2		1/2		1/2	
3/4	1,750.94	3/4	1,453.66	3/4	1,156.31	3/4	861.28	3/4	567.65	3/4	270.09	3/4	5.36	3/4		3/4		3/4		3/4	
6	1,744.74	6	1,447.47	6	1,150.12	6	855.25	6	561.45	6	263.89	6	4.32	6		6		6		6	
1/4	1,738.55	1/4	1,441.27	1/4	1,143.92	1/4	849.21	1/4	555.25	1/4	257.69	1/4		1/4		1/4		1/4		1/4	
1/2	1,732.36	1/2	1,435.08	1/2	1,137.73	1/2	843.18	1/2	549.05	1/2	251.49	1/2		1/2		1/2		1/2		1/2	
3/4	1,726.16	3/4	1,428.88	3/4	1,131.53	3/4	837.14	3/4	542.85	3/4	245.29	3/4		3/4		3/4		3/4		3/4	
7	1,719.97	7	1,422.69	7	1,125.34	7	831.10	7	536.65	7	239.09	7		7		7		7		7	
1/4	1,713.78	1/4	1,416.50	1/4	1,119.14	1/4	825.07	1/4	530.45	1/4	232.89	1/4		1/4		1/4		1/4		1/4	
1/2	1,707.59	1/2	1,410.30	1/2	1,112.95	1/2	819.03	1/2	524.25	1/2	226.70	1/2		1/2		1/2		1/2		1/2	
3/4	1,701.40	3/4	1,404.11	3/4	1,106.76	3/4	813.00	3/4	518.05	3/4	220.50	3/4		3/4		3/4		3/4		3/4	
8	1,695.21	8	1,397.91	8	1,100.56	8	806.96	8	511.85	8	214.30	8		8		8		8		8	
1/4	1,689.01	1/4	1,391.72	1/4	1,094.37	1/4	800.93	1/4	505.65	1/4	208.10	1/4		1/4		1/4		1/4		1/4	
1/2	1,682.82	1/2	1,385.52	1/2	1,088.17	1/2	794.89	1/2	499.46	1/2	201.90	1/2		1/2		1/2		1/2		1/2	
3/4	1,676.63	3/4	1,379.33	3/4	1,081.98	3/4	788.86	3/4	493.26	3/4	195.70	3/4		3/4		3/4		3/4		3/4	
9	1,670.44	9	1,373.13	9	1,075.78	9	782.82	9	487.06	9	189.50	9		9		9		9		9	
1/4	1,664.25	1/4	1,366.94	1/4	1,069.59	1/4	776.79	1/4	480.86	1/4	183.30	1/4		1/4		1/4		1/4		1/4	
1/2	1,658.06	1/2	1,360.74	1/2	1,063.39	1/2	770.75	1/2	474.66	1/2	177.10	1/2		1/2		1/2		1/2		1/2	
3/4	1,651.87	3/4	1,354.55	3/4	1,057.20	3/4	764.72	3/4	468.46	3/4	170.91	3/4		3/4		3/4		3/4		3/4	
10	1,645.67	10	1,348.35	10	1,051.00	10	758.68	10	462.26	10	164.71	10		10		10		10		10	
1/4	1,639.48	1/4	1,342.16	1/4	1,044.81	1/4	752.65	1/4	456.06	1/4	158.50	1/4		1/4		1/4		1/4		1/4	
1/2	1,633.29	1/2	1,335.96	1/2	1,038.61	1/2	746.61	1/2	449.86	1/2	152.30	1/2		1/2		1/2		1/2		1/2	
3/4	1,627.10	3/4	1,329.77	3/4	1,032.42	3/4	740.58	3/4	443.66	3/4	146.09	3/4		3/4		3/4		3/4		3/4	
11	1,620.91	11	1,323.57	11	1,026.22	11	734.54	11	437.46	11	139.89	11		11		11		11		11	
1/4	1,614.72	1/4	1,317.38	1/4	1,020.03	1/4	728.44	1/4	431.27	1/4	133.70	1/4		1/4		1/4		1/4		1/4	
1/2	1,608.53	1/2	1,311.18	1/2	1,013.83	1/2	722.34	1/2	425.07	1/2	127.51	1/2		1/2		1/2		1/2		1/2	
3/4	1,602.34	3/4	1,304.99	3/4	1,007.64	3/4	716.24	3/4	418.87	3/4	121.31	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/27/2010 CL - SW
CALCULATED: 07/27/2010 CL
PRINTED: 07/27/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2010

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



BARGE "KIRBY 10212"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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	3,479.59	0	3,232.04	0	2,970.20	0	2,708.37	0	2,445.98	0	2,182.75	0	1,919.52
1/4		1/4		1/4		1/4	3,477.76	1/4	3,226.58	1/4	2,964.75	1/4	2,702.91	1/4	2,440.50	1/4	2,177.26	1/4	1,914.03
1/2		1/2		1/2		1/2	3,474.10	1/2	3,221.13	1/2	2,959.29	1/2	2,697.46	1/2	2,435.01	1/2	2,171.78	1/2	1,908.55
3/4		3/4		3/4		3/4	3,470.44	3/4	3,215.67	3/4	2,953.84	3/4	2,692.00	3/4	2,429.53	3/4	2,166.30	3/4	1,903.06
1		1		1		1	3,466.78	1	3,210.22	1	2,948.38	1	2,686.55	1	2,424.04	1	2,160.81	1	1,897.58
1/4		1/4		1/4		1/4	3,463.13	1/4	3,204.76	1/4	2,942.93	1/4	2,681.09	1/4	2,418.56	1/4	2,155.33	1/4	1,892.10
1/2		1/2		1/2		1/2	3,458.03	1/2	3,199.31	1/2	2,937.47	1/2	2,675.64	1/2	2,413.08	1/2	2,149.84	1/2	1,886.61
3/4		3/4		3/4		3/4	3,452.93	3/4	3,193.85	3/4	2,932.02	3/4	2,670.18	3/4	2,407.59	3/4	2,144.36	3/4	1,881.13
2		2		2		2	3,447.82	2	3,188.40	2	2,926.56	2	2,664.73	2	2,402.11	2	2,138.88	2	1,875.64
1/4		1/4		1/4		1/4	3,442.72	1/4	3,182.94	1/4	2,921.11	1/4	2,659.27	1/4	2,396.62	1/4	2,133.39	1/4	1,870.16
1/2		1/2		1/2		1/2	3,437.39	1/2	3,177.49	1/2	2,915.65	1/2	2,653.82	1/2	2,391.14	1/2	2,127.91	1/2	1,864.68
3/4		3/4		3/4		3/4	3,432.05	3/4	3,172.03	3/4	2,910.20	3/4	2,648.36	3/4	2,385.66	3/4	2,122.42	3/4	1,859.19
3		3		3		3	3,426.72	3	3,166.58	3	2,904.74	3	2,642.91	3	2,380.17	3	2,116.94	3	1,853.71
1/4		1/4		1/4		1/4	3,421.38	1/4	3,161.12	1/4	2,899.29	1/4	2,637.45	1/4	2,374.69	1/4	2,111.46	1/4	1,848.22
1/2		1/2		1/2		1/2	3,416.03	1/2	3,155.67	1/2	2,893.83	1/2	2,632.00	1/2	2,369.20	1/2	2,105.97	1/2	1,842.74
3/4		3/4		3/4		3/4	3,410.68	3/4	3,150.22	3/4	2,888.38	3/4	2,626.54	3/4	2,363.72	3/4	2,100.49	3/4	1,837.26
4		4		4		4	3,405.32	4	3,144.76	4	2,882.93	4	2,621.09	4	2,358.24	4	2,095.00	4	1,831.77
1/4		1/4		1/4		1/4	3,399.97	1/4	3,139.31	1/4	2,877.47	1/4	2,615.63	1/4	2,352.75	1/4	2,089.52	1/4	1,826.29
1/2		1/2		1/2		1/2	3,394.61	1/2	3,133.85	1/2	2,872.02	1/2	2,610.18	1/2	2,347.27	1/2	2,084.04	1/2	1,820.80
3/4		3/4		3/4		3/4	3,389.25	3/4	3,128.40	3/4	2,866.56	3/4	2,604.73	3/4	2,341.78	3/4	2,078.55	3/4	1,815.32
5		5		5		5	3,383.89	5	3,122.94	5	2,861.11	5	2,599.27	5	2,336.30	5	2,073.07	5	1,809.84
1/4		1/4		1/4		1/4	3,378.53	1/4	3,117.49	1/4	2,855.65	1/4	2,593.82	1/4	2,330.82	1/4	2,067.58	1/4	1,804.35
1/2		1/2		1/2		1/2	3,373.18	1/2	3,112.03	1/2	2,850.20	1/2	2,588.36	1/2	2,325.33	1/2	2,062.10	1/2	1,798.87
3/4		3/4		3/4		3/4	3,367.82	3/4	3,106.58	3/4	2,844.74	3/4	2,582.91	3/4	2,319.85	3/4	2,056.62	3/4	1,793.38
6		6		6		6	3,362.46	6	3,101.12	6	2,839.29	6	2,577.45	6	2,314.36	6	2,051.13	6	1,787.90
1/4		1/4		1/4		1/4	3,357.11	1/4	3,095.67	1/4	2,833.83	1/4	2,572.00	1/4	2,308.88	1/4	2,045.65	1/4	1,782.42
1/2		1/2		1/2		1/2	3,351.75	1/2	3,090.21	1/2	2,828.38	1/2	2,566.54	1/2	2,303.40	1/2	2,040.16	1/2	1,776.93
3/4		3/4		3/4		3/4	3,346.39	3/4	3,084.76	3/4	2,822.92	3/4	2,561.09	3/4	2,297.91	3/4	2,034.68	3/4	1,771.45
7		7		7		7	3,341.04	7	3,079.30	7	2,817.47	7	2,555.63	7	2,292.43	7	2,029.20	7	1,765.96
1/4		1/4		1/4		1/4	3,335.68	1/4	3,073.85	1/4	2,812.01	1/4	2,550.18	1/4	2,286.94	1/4	2,023.71	1/4	1,760.48
1/2		1/2		1/2		1/2	3,330.23	1/2	3,068.39	1/2	2,806.56	1/2	2,544.69	1/2	2,281.46	1/2	2,018.23	1/2	1,755.00
3/4		3/4		3/4		3/4	3,324.77	3/4	3,062.94	3/4	2,801.10	3/4	2,539.21	3/4	2,275.98	3/4	2,012.74	3/4	1,749.51
8		8		8		8	3,319.32	8	3,057.48	8	2,795.65	8	2,533.72	8	2,270.49	8	2,007.26	8	1,744.03
1/4		1/4		1/4		1/4	3,313.86	1/4	3,052.03	1/4	2,790.19	1/4	2,528.24	1/4	2,265.01	1/4	2,001.78	1/4	1,738.54
1/2		1/2		1/2		1/2	3,308.41	1/2	3,046.57	1/2	2,784.74	1/2	2,522.76	1/2	2,259.52	1/2	1,996.29	1/2	1,733.06
3/4		3/4		3/4		3/4	3,302.95	3/4	3,041.12	3/4	2,779.28	3/4	2,517.27	3/4	2,254.04	3/4	1,990.81	3/4	1,727.58
9		9		9		9	3,297.50	9	3,035.66	9	2,773.83	9	2,511.79	9	2,248.56	9	1,985.32	9	1,722.09
1/4		1/4		1/4		1/4	3,292.04	1/4	3,030.21	1/4	2,768.37	1/4	2,506.30	1/4	2,243.07	1/4	1,979.84	1/4	1,716.61
1/2		1/2		1/2		1/2	3,286.59	1/2	3,024.75	1/2	2,762.92	1/2	2,500.82	1/2	2,237.59	1/2	1,974.36	1/2	1,711.12
3/4		3/4		3/4		3/4	3,281.13	3/4	3,019.30	3/4	2,757.46	3/4	2,495.34	3/4	2,232.10	3/4	1,968.87	3/4	1,705.64
10		10		10		10	3,275.68	10	3,013.84	10	2,752.01	10	2,489.85	10	2,226.62	10	1,963.39	10	1,700.16
1/4		1/4		1/4		1/4	3,270.22	1/4	3,008.39	1/4	2,746.55	1/4	2,484.37	1/4	2,221.14	1/4	1,957.90	1/4	1,694.67
1/2		1/2		1/2		1/2	3,264.77	1/2	3,002.93	1/2	2,741.10	1/2	2,478.88	1/2	2,215.65	1/2	1,952.42	1/2	1,689.19
3/4		3/4		3/4		3/4	3,485.99	3/4	3,259.31	3/4	2,997.48	3/4	2,735.64	3/4	2,210.17	3/4	1,946.94	3/4	1,683.70
11		11		11		11	3,485.53	11	3,253.86	11	2,992.02	11	2,730.19	11	2,467.92	11	1,941.45	11	1,678.22
1/4		1/4		1/4		1/4	3,485.08	1/4	3,248.40	1/4	2,986.57	1/4	2,724.73	1/4	2,462.43	1/4	1,935.97	1/4	1,672.74
1/2		1/2		1/2		1/2	3,483.25	1/2	3,242.95	1/2	2,981.11	1/2	2,719.28	1/2	2,456.95	1/2	1,930.48	1/2	1,667.25
3/4		3/4		3/4		3/4	3,481.42	3/4	3,237.49	3/4	2,975.66	3/4	2,713.82	3/4	2,451.46	3/4	1,925.00	3/4	1,661.77

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 10212"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	1,656.28	0	1,393.04	0	1,129.64	0	868.35	0	608.78	0	345.40	0	82.21	0		0		0	
1/4	1,650.80	1/4	1,387.55	1/4	1,124.15	1/4	862.95	1/4	603.30	1/4	339.91	1/4	76.76	1/4	1/4	1/4		1/4	
1/2	1,645.32	1/2	1,382.07	1/2	1,118.66	1/2	857.55	1/2	597.81	1/2	334.42	1/2	71.33	1/2	1/2	1/2		1/2	
3/4	1,639.83	3/4	1,376.58	3/4	1,113.17	3/4	852.14	3/4	592.32	3/4	328.94	3/4	65.91	3/4	3/4	3/4		3/4	
1	1,634.35	1	1,371.09	1	1,107.69	1	846.74	1	586.83	1	323.45	1	60.49	1	1	1		1	
1/4	1,628.86	1/4	1,365.60	1/4	1,102.20	1/4	841.34	1/4	581.35	1/4	317.96	1/4	55.06	1/4	1/4	1/4		1/4	
1/2	1,623.38	1/2	1,360.12	1/2	1,096.71	1/2	835.93	1/2	575.86	1/2	312.47	1/2	49.69	1/2	1/2	1/2		1/2	
3/4	1,617.90	3/4	1,354.63	3/4	1,091.22	3/4	830.53	3/4	570.37	3/4	306.99	3/4	44.31	3/4	3/4	3/4		3/4	
2	1,612.41	2	1,349.14	2	1,085.74	2	825.13	2	564.89	2	301.50	2	38.94	2	2	2		2	
1/4	1,606.93	1/4	1,343.65	1/4	1,080.25	1/4	819.73	1/4	559.40	1/4	296.01	1/4	33.57	1/4	1/4	1/4		1/4	
1/2	1,601.44	1/2	1,338.17	1/2	1,074.76	1/2	814.33	1/2	553.91	1/2	290.53	1/2	29.00	1/2	1/2	1/2		1/2	
3/4	1,595.96	3/4	1,332.68	3/4	1,069.27	3/4	808.93	3/4	548.42	3/4	285.04	3/4	24.44	3/4	3/4	3/4		3/4	
3	1,590.48	3	1,327.19	3	1,063.79	3	803.53	3	542.94	3	279.55	3	19.87	3	3	3		3	
1/4	1,584.99	1/4	1,321.70	1/4	1,058.30	1/4	798.14	1/4	537.45	1/4	274.06	1/4	15.31	1/4	1/4	1/4		1/4	
1/2	1,579.51	1/2	1,316.21	1/2	1,052.81	1/2	792.74	1/2	531.96	1/2	268.58	1/2	12.56	1/2	1/2	1/2		1/2	
3/4	1,574.02	3/4	1,310.73	3/4	1,047.32	3/4	787.34	3/4	526.48	3/4	263.09	3/4	9.82	3/4	3/4	3/4		3/4	
4	1,568.54	4	1,305.24	4	1,041.84	4	781.94	4	520.99	4	257.60	4	7.08	4	4	4		4	
1/4	1,563.06	1/4	1,299.75	1/4	1,036.35	1/4	776.55	1/4	515.50	1/4	252.12	1/4	4.34	1/4	1/4	1/4		1/4	
1/2	1,557.57	1/2	1,294.26	1/2	1,030.86	1/2	771.15	1/2	510.01	1/2	246.63	1/2	3.42	1/2	1/2	1/2		1/2	
3/4	1,552.09	3/4	1,288.78	3/4	1,025.37	3/4	765.75	3/4	504.53	3/4	241.14	3/4	2.51	3/4	3/4	3/4		3/4	
5	1,546.60	5	1,283.29	5	1,019.88	5	760.36	5	499.04	5	235.65	5	1.59	5	5	5		5	
1/4	1,541.12	1/4	1,277.80	1/4	1,014.40	1/4	754.96	1/4	493.55	1/4	230.17	1/4	0.68	1/4	1/4	1/4		1/4	
1/2	1,535.64	1/2	1,272.31	1/2	1,008.95	1/2	749.56	1/2	488.07	1/2	224.68	1/2		1/2	1/2	1/2		1/2	
3/4	1,530.15	3/4	1,266.83	3/4	1,003.51	3/4	744.16	3/4	482.58	3/4	219.19	3/4		3/4	3/4	3/4		3/4	
6	1,524.67	6	1,261.34	6	998.06	6	738.77	6	477.09	6	213.71	6		6	6	6		6	
1/4	1,519.18	1/4	1,255.85	1/4	992.62	1/4	733.37	1/4	471.60	1/4	208.22	1/4		1/4	1/4	1/4		1/4	
1/2	1,513.70	1/2	1,250.36	1/2	987.21	1/2	727.97	1/2	466.12	1/2	202.73	1/2		1/2	1/2	1/2		1/2	
3/4	1,508.22	3/4	1,244.88	3/4	981.81	3/4	722.57	3/4	460.63	3/4	197.24	3/4		3/4	3/4	3/4		3/4	
7	1,502.73	7	1,239.39	7	976.41	7	717.18	7	455.14	7	191.76	7		7	7	7		7	
1/4	1,497.25	1/4	1,233.90	1/4	971.00	1/4	711.78	1/4	449.65	1/4	186.27	1/4		1/4	1/4	1/4		1/4	
1/2	1,491.76	1/2	1,228.41	1/2	965.60	1/2	706.38	1/2	444.17	1/2	180.78	1/2		1/2	1/2	1/2		1/2	
3/4	1,486.28	3/4	1,222.93	3/4	960.20	3/4	700.98	3/4	438.68	3/4	175.29	3/4		3/4	3/4	3/4		3/4	
8	1,480.80	8	1,217.44	8	954.80	8	695.59	8	433.19	8	169.81	8		8	8	8		8	
1/4	1,475.31	1/4	1,211.95	1/4	949.39	1/4	690.19	1/4	427.71	1/4	164.32	1/4		1/4	1/4	1/4		1/4	
1/2	1,469.83	1/2	1,206.46	1/2	943.99	1/2	684.79	1/2	422.22	1/2	158.83	1/2		1/2	1/2	1/2		1/2	
3/4	1,464.34	3/4	1,200.98	3/4	938.59	3/4	679.39	3/4	416.73	3/4	153.35	3/4		3/4	3/4	3/4		3/4	
9	1,458.86	9	1,195.49	9	933.19	9	674.00	9	411.24	9	147.86	9		9	9	9		9	
1/4	1,453.38	1/4	1,190.00	1/4	927.78	1/4	668.60	1/4	405.76	1/4	142.37	1/4		1/4	1/4	1/4		1/4	
1/2	1,447.89	1/2	1,184.51	1/2	922.38	1/2	663.20	1/2	400.27	1/2	136.89	1/2		1/2	1/2	1/2		1/2	
3/4	1,442.41	3/4	1,179.02	3/4	916.98	3/4	657.81	3/4	394.78	3/4	131.41	3/4		3/4	3/4	3/4		3/4	
10	1,436.92	10	1,173.54	10	911.57	10	652.41	10	389.30	10	125.93	10		10	10	10		10	
1/4	1,431.44	1/4	1,168.05	1/4	906.17	1/4	647.01	1/4	383.81	1/4	120.45	1/4		1/4	1/4	1/4		1/4	
1/2	1,425.96	1/2	1,162.56	1/2	900.77	1/2	641.57	1/2	378.32	1/2	114.98	1/2		1/2	1/2	1/2		1/2	
3/4	1,420.47	3/4	1,157.07	3/4	895.37	3/4	636.13	3/4	372.83	3/4	109.51	3/4		3/4	3/4	3/4		3/4	
11	1,414.99	11	1,151.59	11	889.96	11	630.68	11	367.35	11	104.04	11		11	11	11		11	
1/4	1,409.50	1/4	1,146.10	1/4	884.56	1/4	625.24	1/4	361.86	1/4	98.57	1/4		1/4	1/4	1/4		1/4	
1/2	1,404.02	1/2	1,140.61	1/2	879.16	1/2	619.75	1/2	356.37	1/2	93.11	1/2		1/2	1/2	1/2		1/2	
3/4	1,398.53	3/4	1,135.12	3/4	873.75	3/4	614.27	3/4	350.89	3/4	87.66	3/4		3/4	3/4	3/4		3/4	

STRAPPED: 07/27/2010 CL - SW
CALCULATED: 07/27/2010 CL
PRINTED: 07/27/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2010

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "KIRBY 10212"

3 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	3,470.15	0	3,234.82	0	2,974.43	0	2,714.05	0	2,453.20	0	2,191.41	0	1,929.62		
1/4		1/4		1/4		1/4	3,468.33	1/4	3,229.39	1/4	2,969.01	1/4	2,708.62	1/4	2,447.74	1/4	2,185.95	1/4	1,924.17		
1/2		1/2		1/2		1/2	3,466.51	1/2	3,223.97	1/2	2,963.58	1/2	2,703.20	1/2	2,442.29	1/2	2,180.50	1/2	1,918.71		
3/4		3/4		3/4		3/4	3,464.69	3/4	3,218.55	3/4	2,958.16	3/4	2,697.77	3/4	2,436.83	3/4	2,175.05	3/4	1,913.26		
1		1		1		1	3,462.87	1	3,213.12	1	2,952.74	1	2,692.35	1	2,431.38	1	2,169.59	1	1,907.81		
1/4		1/4		1/4		1/4	3,459.24	1/4	3,207.70	1/4	2,947.31	1/4	2,686.92	1/4	2,425.93	1/4	2,164.14	1/4	1,902.35		
1/2		1/2		1/2		1/2	3,455.60	1/2	3,202.27	1/2	2,941.89	1/2	2,681.50	1/2	2,420.47	1/2	2,158.68	1/2	1,896.90		
3/4		3/4		3/4		3/4	3,451.96	3/4	3,196.85	3/4	2,936.46	3/4	2,676.08	3/4	2,415.02	3/4	2,153.23	3/4	1,891.44		
2		2		2		2	3,448.32	2	3,191.42	2	2,931.04	2	2,670.65	2	2,409.56	2	2,147.78	2	1,885.99		
1/4		1/4		1/4		1/4	3,443.25	1/4	3,186.00	1/4	2,925.61	1/4	2,665.23	1/4	2,404.11	1/4	2,142.32	1/4	1,880.54		
1/2		1/2		1/2		1/2	3,438.18	1/2	3,180.57	1/2	2,920.19	1/2	2,659.80	1/2	2,398.66	1/2	2,136.87	1/2	1,875.08		
3/4		3/4		3/4		3/4	3,433.11	3/4	3,175.15	3/4	2,914.76	3/4	2,654.38	3/4	2,393.20	3/4	2,131.42	3/4	1,869.63		
3		3		3		3	3,428.03	3	3,169.72	3	2,909.34	3	2,648.95	3	2,387.75	3	2,125.96	3	1,864.17		
1/4		1/4		1/4		1/4	3,422.73	1/4	3,164.30	1/4	2,903.91	1/4	2,643.53	1/4	2,382.29	1/4	2,120.51	1/4	1,858.72		
1/2		1/2		1/2		1/2	3,417.42	1/2	3,158.87	1/2	2,898.49	1/2	2,638.10	1/2	2,376.84	1/2	2,115.05	1/2	1,853.27		
3/4		3/4		3/4		3/4	3,412.12	3/4	3,153.45	3/4	2,893.06	3/4	2,632.68	3/4	2,371.39	3/4	2,109.60	3/4	1,847.81		
4		4		4		4	3,406.82	4	3,148.02	4	2,887.64	4	2,627.25	4	2,365.93	4	2,104.15	4	1,842.36		
1/4		1/4		1/4		1/4	3,401.50	1/4	3,142.60	1/4	2,882.21	1/4	2,621.83	1/4	2,360.48	1/4	2,098.69	1/4	1,836.90		
1/2		1/2		1/2		1/2	3,396.17	1/2	3,137.17	1/2	2,876.79	1/2	2,616.40	1/2	2,355.03	1/2	2,093.24	1/2	1,831.45		
3/4		3/4		3/4		3/4	3,390.85	3/4	3,131.75	3/4	2,871.36	3/4	2,610.98	3/4	2,349.57	3/4	2,087.78	3/4	1,826.00		
5		5		5		5	3,385.53	5	3,126.33	5	2,865.94	5	2,605.55	5	2,344.12	5	2,082.33	5	1,820.54		
1/4		1/4		1/4		1/4	3,380.21	1/4	3,120.90	1/4	2,860.52	1/4	2,600.13	1/4	2,338.66	1/4	2,076.88	1/4	1,815.09		
1/2		1/2		1/2		1/2	3,374.88	1/2	3,115.48	1/2	2,855.09	1/2	2,594.70	1/2	2,333.21	1/2	2,071.42	1/2	1,809.64		
3/4		3/4		3/4		3/4	3,369.55	3/4	3,110.05	3/4	2,849.67	3/4	2,589.28	3/4	2,327.76	3/4	2,065.97	3/4	1,804.18		
6		6		6		6	3,364.22	6	3,104.63	6	2,844.24	6	2,583.86	6	2,322.30	6	2,060.51	6	1,798.73		
1/4		1/4		1/4		1/4	3,358.89	1/4	3,099.20	1/4	2,838.82	1/4	2,578.43	1/4	2,316.85	1/4	2,055.06	1/4	1,793.27		
1/2		1/2		1/2		1/2	3,353.57	1/2	3,093.78	1/2	2,833.39	1/2	2,573.01	1/2	2,311.39	1/2	2,049.61	1/2	1,787.82		
3/4		3/4		3/4		3/4	3,348.24	3/4	3,088.35	3/4	2,827.97	3/4	2,567.58	3/4	2,305.94	3/4	2,044.15	3/4	1,782.37		
7		7		7		7	3,342.92	7	3,082.93	7	2,822.54	7	2,562.16	7	2,300.49	7	2,038.70	7	1,776.91		
1/4		1/4		1/4		1/4	3,337.59	1/4	3,077.50	1/4	2,817.12	1/4	2,556.73	1/4	2,295.03	1/4	2,033.25	1/4	1,771.46		
1/2		1/2		1/2		1/2	3,332.27	1/2	3,072.08	1/2	2,811.69	1/2	2,551.31	1/2	2,289.58	1/2	2,027.79	1/2	1,766.00		
3/4		3/4		3/4		3/4	3,326.94	3/4	3,066.65	3/4	2,806.27	3/4	2,545.88	3/4	2,284.12	3/4	2,022.34	3/4	1,760.55		
8		8		8		8	3,321.61	8	3,061.23	8	2,800.84	8	2,540.46	8	2,278.67	8	2,016.88	8	1,755.10		
1/4		1/4		1/4		1/4	3,316.19	1/4	3,055.80	1/4	2,795.42	1/4	2,535.00	1/4	2,273.22	1/4	2,011.43	1/4	1,749.64		
1/2		1/2		1/2		1/2	3,310.77	1/2	3,050.38	1/2	2,789.99	1/2	2,529.55	1/2	2,267.76	1/2	2,005.98	1/2	1,744.19		
3/4		3/4		3/4		3/4	3,305.34	3/4	3,044.95	3/4	2,784.57	3/4	2,524.10	3/4	2,262.31	3/4	2,000.52	3/4	1,738.73		
9		9		9		9	3,299.92	9	3,039.53	9	2,779.14	9	2,518.64	9	2,256.86	9	1,995.07	9	1,733.28		
1/4		1/4		1/4		1/4	3,294.49	1/4	3,034.11	1/4	2,773.72	1/4	2,513.19	1/4	2,251.40	1/4	1,989.61	1/4	1,727.83		
1/2		1/2		1/2		1/2	3,289.07	1/2	3,028.68	1/2	2,768.30	1/2	2,507.73	1/2	2,245.95	1/2	1,984.16	1/2	1,722.37		
3/4		3/4		3/4		3/4	3,283.64	3/4	3,023.26	3/4	2,762.87	3/4	2,502.28	3/4	2,240.49	3/4	1,978.71	3/4	1,716.92		
10		10		10		10	3,278.22	10	3,017.83	10	2,757.45	10	2,496.83	10	2,235.04	10	1,973.25	10	1,711.47		
1/4		1/4		1/4		1/4	3,272.79	1/4	3,012.41	1/4	2,752.02	1/4	2,491.37	1/4	2,229.59	1/4	1,967.80	1/4	1,706.01		
1/2		1/2		1/2		1/2	3,267.37	1/2	3,006.98	1/2	2,746.60	1/2	2,485.92	1/2	2,224.13	1/2	1,962.34	1/2	1,700.56		
3/4		3/4		3/4		3/4	3,261.94	3/4	3,001.56	3/4	2,741.17	3/4	2,480.46	3/4	2,218.68	3/4	1,956.89	3/4	1,695.10		
11		11		11		11	3,256.52	11	2,996.13	11	2,735.75	11	2,475.01	11	2,213.22	11	1,951.44	11	1,689.65		
1/4		1/4		1/4		1/4	3,251.09	1/4	2,990.71	1/4	2,730.32	1/4	2,469.56	1/4	2,207.77	1/4	1,945.98	1/4	1,684.20		
1/2		1/2		1/2		1/2	3,471.06	1/2	3,245.67	1/2	2,985.28	1/2	2,724.90	1/2	2,464.10	1/2	2,202.32	1/2	1,940.53	1/2	1,678.74
3/4		3/4		3/4		3/4	3,470.61	3/4	3,240.24	3/4	2,979.86	3/4	2,719.47	3/4	2,458.65	3/4	2,196.86	3/4	1,935.07	3/4	1,673.29

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'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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 Pearland, Texas 77588
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BARGE "KIRBY 10212"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	1,667.83	0	1,406.05	0	1,144.09	0	883.01	0	621.81	0	359.88	0	98.03	0		0		0	
1/4	1,662.38	1/4	1,400.59	1/4	1,138.63	1/4	877.58	1/4	616.35	1/4	354.42	1/4	92.61	1/4	1/4	1/4		1/4	
1/2	1,656.93	1/2	1,395.13	1/2	1,133.17	1/2	872.16	1/2	610.90	1/2	348.96	1/2	87.19	1/2	1/2	1/2		1/2	
3/4	1,651.47	3/4	1,389.67	3/4	1,127.71	3/4	866.74	3/4	605.44	3/4	343.50	3/4	81.76	3/4	3/4	3/4		3/4	
1	1,646.02	1	1,384.22	1	1,122.26	1	861.32	1	599.98	1	338.05	1	76.34	1	1	1		1	
1/4	1,640.56	1/4	1,378.76	1/4	1,116.80	1/4	855.90	1/4	594.53	1/4	332.59	1/4	70.95	1/4	1/4	1/4		1/4	
1/2	1,635.11	1/2	1,373.30	1/2	1,111.34	1/2	850.48	1/2	589.07	1/2	327.13	1/2	65.55	1/2	1/2	1/2		1/2	
3/4	1,629.66	3/4	1,367.84	3/4	1,105.88	3/4	845.06	3/4	583.61	3/4	321.68	3/4	60.16	3/4	3/4	3/4		3/4	
2	1,624.20	2	1,362.39	2	1,100.43	2	839.64	2	578.16	2	316.22	2	54.77	2	2	2		2	
1/4	1,618.75	1/4	1,356.93	1/4	1,094.97	1/4	834.22	1/4	572.70	1/4	310.76	1/4	49.42	1/4	1/4	1/4		1/4	
1/2	1,613.29	1/2	1,351.47	1/2	1,089.51	1/2	828.80	1/2	567.24	1/2	305.31	1/2	44.08	1/2	1/2	1/2		1/2	
3/4	1,607.84	3/4	1,346.01	3/4	1,084.05	3/4	823.38	3/4	561.78	3/4	299.85	3/4	38.73	3/4	3/4	3/4		3/4	
3	1,602.39	3	1,340.56	3	1,078.60	3	817.95	3	556.33	3	294.39	3	33.39	3	3	3		3	
1/4	1,596.93	1/4	1,335.10	1/4	1,073.14	1/4	812.54	1/4	550.87	1/4	288.93	1/4	28.85	1/4	1/4	1/4		1/4	
1/2	1,591.48	1/2	1,329.64	1/2	1,067.68	1/2	807.12	1/2	545.41	1/2	283.48	1/2	24.31	1/2	1/2	1/2		1/2	
3/4	1,586.03	3/4	1,324.18	3/4	1,062.22	3/4	801.71	3/4	539.96	3/4	278.02	3/4	19.77	3/4	3/4	3/4		3/4	
4	1,580.57	4	1,318.73	4	1,056.77	4	796.29	4	534.50	4	272.56	4	15.23	4	4	4		4	
1/4	1,575.12	1/4	1,313.27	1/4	1,051.31	1/4	790.84	1/4	529.04	1/4	267.11	1/4	12.50	1/4	1/4	1/4		1/4	
1/2	1,569.66	1/2	1,307.81	1/2	1,045.85	1/2	785.39	1/2	523.59	1/2	261.65	1/2	9.77	1/2	1/2	1/2		1/2	
3/4	1,564.21	3/4	1,302.35	3/4	1,040.39	3/4	779.94	3/4	518.13	3/4	256.19	3/4	7.05	3/4	3/4	3/4		3/4	
5	1,558.76	5	1,296.90	5	1,034.94	5	774.48	5	512.67	5	250.74	5	4.32	5	5	5		5	
1/4	1,553.30	1/4	1,291.44	1/4	1,029.48	1/4	769.03	1/4	507.21	1/4	245.28	1/4	3.41	1/4	1/4	1/4		1/4	
1/2	1,547.85	1/2	1,285.98	1/2	1,024.02	1/2	763.58	1/2	501.76	1/2	239.82	1/2	2.50	1/2	1/2	1/2		1/2	
3/4	1,542.39	3/4	1,280.52	3/4	1,018.56	3/4	758.13	3/4	496.30	3/4	234.36	3/4	1.59	3/4	3/4	3/4		3/4	
6	1,536.94	6	1,275.07	6	1,013.11	6	752.68	6	490.84	6	228.91	6	0.68	6	6	6		6	
1/4	1,531.49	1/4	1,269.61	1/4	1,007.69	1/4	747.22	1/4	485.39	1/4	223.45	1/4		1/4	1/4	1/4		1/4	
1/2	1,526.03	1/2	1,264.15	1/2	1,002.26	1/2	741.77	1/2	479.93	1/2	217.99	1/2		1/2	1/2	1/2		1/2	
3/4	1,520.58	3/4	1,258.69	3/4	996.84	3/4	736.32	3/4	474.47	3/4	212.54	3/4		3/4	3/4	3/4		3/4	
7	1,515.12	7	1,253.24	7	991.42	7	730.87	7	469.02	7	207.08	7		7	7	7		7	
1/4	1,509.67	1/4	1,247.78	1/4	986.00	1/4	725.42	1/4	463.56	1/4	201.62	1/4		1/4	1/4	1/4		1/4	
1/2	1,504.22	1/2	1,242.32	1/2	980.58	1/2	719.96	1/2	458.10	1/2	196.17	1/2		1/2	1/2	1/2		1/2	
3/4	1,498.76	3/4	1,236.86	3/4	975.16	3/4	714.51	3/4	452.64	3/4	190.71	3/4		3/4	3/4	3/4		3/4	
8	1,493.31	8	1,231.41	8	969.74	8	709.06	8	447.19	8	185.25	8		8	8	8		8	
1/4	1,487.86	1/4	1,225.95	1/4	964.32	1/4	703.61	1/4	441.73	1/4	179.79	1/4		1/4	1/4	1/4		1/4	
1/2	1,482.40	1/2	1,220.49	1/2	958.90	1/2	698.15	1/2	436.27	1/2	174.34	1/2		1/2	1/2	1/2		1/2	
3/4	1,476.95	3/4	1,215.03	3/4	953.48	3/4	692.70	3/4	430.82	3/4	168.88	3/4		3/4	3/4	3/4		3/4	
9	1,471.49	9	1,209.58	9	948.06	9	687.25	9	425.36	9	163.42	9		9	9	9		9	
1/4	1,466.04	1/4	1,204.12	1/4	942.63	1/4	681.80	1/4	419.90	1/4	157.97	1/4		1/4	1/4	1/4		1/4	
1/2	1,460.59	1/2	1,198.66	1/2	937.21	1/2	676.35	1/2	414.45	1/2	152.51	1/2		1/2	1/2	1/2		1/2	
3/4	1,455.13	3/4	1,193.20	3/4	931.79	3/4	670.89	3/4	408.99	3/4	147.05	3/4		3/4	3/4	3/4		3/4	
10	1,449.68	10	1,187.75	10	926.37	10	665.44	10	403.53	10	141.60	10		10	10	10		10	
1/4	1,444.22	1/4	1,182.29	1/4	920.95	1/4	659.99	1/4	398.07	1/4	136.15	1/4		1/4	1/4	1/4		1/4	
1/2	1,438.77	1/2	1,176.83	1/2	915.53	1/2	654.54	1/2	392.62	1/2	130.70	1/2		1/2	1/2	1/2		1/2	
3/4	1,433.32	3/4	1,171.37	3/4	910.11	3/4	649.09	3/4	387.16	3/4	125.24	3/4		3/4	3/4	3/4		3/4	
11	1,427.86	11	1,165.92	11	904.69	11	643.64	11	381.70	11	119.79	11		11	11	11		11	
1/4	1,422.41	1/4	1,160.46	1/4	899.27	1/4	638.18	1/4	376.25	1/4	114.35	1/4		1/4	1/4	1/4		1/4	
1/2	1,416.95	1/2	1,155.00	1/2	893.85	1/2	632.72	1/2	370.79	1/2	108.91	1/2		1/2	1/2	1/2		1/2	
3/4	1,411.50	3/4	1,149.54	3/4	888.43	3/4	627.27	3/4	365.33	3/4	103.47	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/27/2010 CL - SW
CALCULATED: 07/27/2010 CL
PRINTED: 07/27/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2010

PRECISION MEASUREMENT
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