



BARGE "KIRBY 10222"

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

September 18, 2010

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

<http://www.pmacorp.net>



BARGE "KIRBY 10222"

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	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
							3,785.12		3,552.37		3,298.88		3,045.39		2,784.43		2,488.07		2,191.03		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,783.05	1/4	3,547.09	1/4	3,293.60	1/4	3,040.11	1/4	2,778.26	1/4	2,481.88	1/4	2,184.84		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,780.98	1/2	3,541.81	1/2	3,288.32	1/2	3,034.83	1/2	2,772.09	1/2	2,475.69	1/2	2,178.65		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,778.91	3/4	3,536.53	3/4	3,283.04	3/4	3,029.55	3/4	2,765.92	3/4	2,469.50	3/4	2,172.46		
1	1	1	1	1	1	1	3,776.84	1	3,531.24	1	3,277.76	1	3,024.27	1	2,759.75	1	2,463.31	1	2,166.27		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,772.70	1/4	3,525.96	1/4	3,272.48	1/4	3,018.99	1/4	2,753.58	1/4	2,457.13	1/4	2,160.08		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,768.55	1/2	3,520.68	1/2	3,267.19	1/2	3,013.71	1/2	2,747.41	1/2	2,450.94	1/2	2,153.89		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,764.41	3/4	3,515.40	3/4	3,261.91	3/4	3,008.43	3/4	2,741.24	3/4	2,444.75	3/4	2,147.71		
2	2	2	2	2	2	2	3,760.27	2	3,510.12	2	3,256.63	2	3,003.14	2	2,735.08	2	2,438.56	2	2,141.52		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,755.37	1/4	3,504.84	1/4	3,251.35	1/4	2,997.86	1/4	2,728.91	1/4	2,432.37	1/4	2,135.33		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,750.46	1/2	3,499.56	1/2	3,246.07	1/2	2,992.58	1/2	2,722.74	1/2	2,426.18	1/2	2,129.14		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,745.56	3/4	3,494.28	3/4	3,240.79	3/4	2,987.30	3/4	2,716.57	3/4	2,420.00	3/4	2,122.95		
3	3	3	3	3	3	3	3,740.66	3	3,489.00	3	3,235.51	3	2,982.02	3	2,710.40	3	2,413.81	3	2,116.76		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,735.49	1/4	3,483.72	1/4	3,230.23	1/4	2,976.74	1/4	2,704.23	1/4	2,407.62	1/4	2,110.58		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,730.32	1/2	3,478.43	1/2	3,224.95	1/2	2,971.46	1/2	2,698.06	1/2	2,401.43	1/2	2,104.39		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,725.15	3/4	3,473.15	3/4	3,219.67	3/4	2,966.18	3/4	2,691.89	3/4	2,395.24	3/4	2,098.20		
4	4	4	4	4	4	4	3,719.98	4	3,467.87	4	3,214.38	4	2,960.90	4	2,685.72	4	2,389.05	4	2,092.01		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,714.79	1/4	3,462.59	1/4	3,209.10	1/4	2,955.62	1/4	2,679.55	1/4	2,382.87	1/4	2,085.82		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,709.59	1/2	3,457.31	1/2	3,203.82	1/2	2,950.33	1/2	2,673.38	1/2	2,376.68	1/2	2,079.63		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,704.40	3/4	3,452.03	3/4	3,198.54	3/4	2,945.05	3/4	2,667.21	3/4	2,370.49	3/4	2,073.45		
5	5	5	5	5	5	5	3,699.21	5	3,446.75	5	3,193.26	5	2,939.77	5	2,661.04	5	2,364.30	5	2,067.26		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,694.01	1/4	3,441.47	1/4	3,187.98	1/4	2,934.49	1/4	2,654.87	1/4	2,358.11	1/4	2,061.07		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,688.81	1/2	3,436.19	1/2	3,182.70	1/2	2,929.21	1/2	2,648.70	1/2	2,351.92	1/2	2,054.88		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,683.62	3/4	3,430.91	3/4	3,177.42	3/4	2,923.93	3/4	2,642.53	3/4	2,345.74	3/4	2,048.69		
6	6	6	6	6	6	6	3,678.42	6	3,425.62	6	3,172.14	6	2,918.65	6	2,636.36	6	2,339.55	6	2,042.50		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,673.23	1/4	3,420.34	1/4	3,166.86	1/4	2,913.37	1/4	2,630.19	1/4	2,333.36	1/4	2,036.32		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,668.03	1/2	3,415.06	1/2	3,161.57	1/2	2,908.09	1/2	2,624.02	1/2	2,327.17	1/2	2,030.13		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,662.84	3/4	3,409.78	3/4	3,156.29	3/4	2,902.81	3/4	2,617.85	3/4	2,320.98	3/4	2,023.94		
7	7	7	7	7	7	7	3,657.64	7	3,404.50	7	3,151.01	7	2,897.52	7	2,611.69	7	2,314.79	7	2,017.75		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,652.45	1/4	3,399.22	1/4	3,145.73	1/4	2,892.24	1/4	2,605.52	1/4	2,308.60	1/4	2,011.56		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,647.25	1/2	3,393.94	1/2	3,140.45	1/2	2,886.96	1/2	2,599.35	1/2	2,302.42	1/2	2,005.37		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,642.06	3/4	3,388.66	3/4	3,135.17	3/4	2,881.68	3/4	2,593.18	3/4	2,296.23	3/4	1,999.18		
8	8	8	8	8	8	8	3,636.86	8	3,383.38	8	3,129.89	8	2,876.40	8	2,587.01	8	2,290.04	8	1,993.00		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,631.58	1/4	3,378.10	1/4	3,124.61	1/4	2,871.09	1/4	2,580.84	1/4	2,283.85	1/4	1,986.81		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,626.30	1/2	3,372.81	1/2	3,119.33	1/2	2,865.79	1/2	2,574.67	1/2	2,277.66	1/2	1,980.62		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,621.02	3/4	3,367.53	3/4	3,114.05	3/4	2,860.48	3/4	2,568.50	3/4	2,271.47	3/4	1,974.43		
9	9	9	9	9	9	9	3,615.74	9	3,362.25	9	3,108.76	9	2,855.18	9	2,562.33	9	2,265.29	9	1,968.24		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,610.46	1/4	3,356.97	1/4	3,103.48	1/4	2,849.87	1/4	2,556.14	1/4	2,259.10	1/4	1,962.05		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,605.18	1/2	3,351.69	1/2	3,098.20	1/2	2,844.56	1/2	2,549.95	1/2	2,252.91	1/2	1,955.87		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,599.90	3/4	3,346.41	3/4	3,092.92	3/4	2,839.26	3/4	2,543.76	3/4	2,246.72	3/4	1,949.68		
10	10	10	10	10	10	10	3,594.62	10	3,341.13	10	3,087.64	10	2,833.95	10	2,537.58	10	2,240.53	10	1,943.49		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,589.34	1/4	3,335.85	1/4	3,082.36	1/4	2,827.74	1/4	2,531.39	1/4	2,234.34	1/4	1,937.30		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,584.05	1/2	3,330.57	1/2	3,077.08	1/2	2,821.53	1/2	2,525.20	1/2	2,228.16	1/2	1,931.11		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,578.77	3/4	3,325.29	3/4	3,071.80	3/4	2,815.32	3/4	2,519.01	3/4	2,221.97	3/4	1,924.92		
11	11	11	11	11	11	11	3,573.49	11	3,320.00	11	3,066.52	11	2,809.11	11	2,512.82	11	2,215.78	11	1,918.74		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,568.21	1/4	3,314.72	1/4	3,061.24	1/4	2,802.94	1/4	2,506.63	1/4	2,209.59	1/4	1,912.55		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,786.16	1/2	3,562.93	1/2	3,309.44	1/2	3,055.95	1/2	2,796.77	1/2	2,500.45	1/2	2,203.40	1/2	1,906.36
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,785.64	3/4	3,557.65	3/4	3,304.16	3/4	3,050.67	3/4	2,790.60	3/4	2,494.26	3/4	2,197.21	3/4	1,900.17

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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 Pearland, Texas 77588
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BARGE "KIRBY 10222"

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.	
0	1,893.98	0	1,596.71	0	1,299.25	0	1,001.80	0	710.39	0	412.81	0	115.16	0		0		0	
1/4	1,887.79	1/4	1,590.51	1/4	1,293.06	1/4	995.60	1/4	704.21	1/4	406.61	1/4	108.99	1/4		1/4		1/4	
1/2	1,881.61	1/2	1,584.32	1/2	1,286.86	1/2	989.40	1/2	698.03	1/2	400.41	1/2	102.82	1/2		1/2		1/2	
3/4	1,875.42	3/4	1,578.12	3/4	1,280.66	3/4	983.21	3/4	691.85	3/4	394.21	3/4	96.64	3/4		3/4		3/4	
1	1,869.23	1	1,571.92	1	1,274.47	1	977.01	1	685.66	1	388.01	1	90.47	1		1		1	
1/4	1,863.04	1/4	1,565.73	1/4	1,268.27	1/4	970.88	1/4	679.46	1/4	381.81	1/4	84.33	1/4		1/4		1/4	
1/2	1,856.85	1/2	1,559.53	1/2	1,262.07	1/2	964.74	1/2	673.26	1/2	375.61	1/2	78.19	1/2		1/2		1/2	
3/4	1,850.66	3/4	1,553.33	3/4	1,255.88	3/4	958.61	3/4	667.06	3/4	369.41	3/4	72.04	3/4		3/4		3/4	
2	1,844.47	2	1,547.13	2	1,249.68	2	952.47	2	660.86	2	363.20	2	65.90	2		2		2	
1/4	1,838.29	1/4	1,540.94	1/4	1,243.48	1/4	946.40	1/4	654.66	1/4	357.00	1/4	59.82	1/4		1/4		1/4	
1/2	1,832.10	1/2	1,534.74	1/2	1,237.28	1/2	940.33	1/2	648.46	1/2	350.80	1/2	53.73	1/2		1/2		1/2	
3/4	1,825.91	3/4	1,528.54	3/4	1,231.09	3/4	934.26	3/4	642.26	3/4	344.60	3/4	47.65	3/4		3/4		3/4	
3	1,819.72	3	1,522.35	3	1,224.89	3	928.19	3	636.06	3	338.40	3	41.56	3		3		3	
1/4	1,813.52	1/4	1,516.15	1/4	1,218.69	1/4	922.12	1/4	629.86	1/4	332.20	1/4	36.40	1/4		1/4		1/4	
1/2	1,807.33	1/2	1,509.95	1/2	1,212.50	1/2	916.05	1/2	623.66	1/2	326.00	1/2	31.23	1/2		1/2		1/2	
3/4	1,801.13	3/4	1,503.76	3/4	1,206.30	3/4	909.98	3/4	617.46	3/4	319.80	3/4	26.06	3/4		3/4		3/4	
4	1,794.93	4	1,497.56	4	1,200.10	4	903.91	4	611.26	4	313.59	4	20.89	4		4		4	
1/4	1,788.74	1/4	1,491.36	1/4	1,193.91	1/4	897.86	1/4	605.06	1/4	307.39	1/4	17.78	1/4		1/4		1/4	
1/2	1,782.54	1/2	1,485.16	1/2	1,187.71	1/2	891.81	1/2	598.85	1/2	301.19	1/2	14.68	1/2		1/2		1/2	
3/4	1,776.34	3/4	1,478.97	3/4	1,181.51	3/4	885.75	3/4	592.65	3/4	294.99	3/4	11.57	3/4		3/4		3/4	
5	1,770.15	5	1,472.77	5	1,175.31	5	879.70	5	586.45	5	288.79	5	8.47	5		5		5	
1/4	1,763.95	1/4	1,466.57	1/4	1,169.12	1/4	873.66	1/4	580.25	1/4	282.59	1/4	7.43	1/4		1/4		1/4	
1/2	1,757.75	1/2	1,460.38	1/2	1,162.92	1/2	867.62	1/2	574.05	1/2	276.39	1/2	6.40	1/2		1/2		1/2	
3/4	1,751.56	3/4	1,454.18	3/4	1,156.72	3/4	861.59	3/4	567.85	3/4	270.18	3/4	5.36	3/4		3/4		3/4	
6	1,745.36	6	1,447.98	6	1,150.53	6	855.55	6	561.65	6	263.98	6	4.33	6		6		6	
1/4	1,739.16	1/4	1,441.79	1/4	1,144.33	1/4	849.51	1/4	555.44	1/4	257.78	1/4		1/4		1/4		1/4	
1/2	1,732.97	1/2	1,435.59	1/2	1,138.13	1/2	843.47	1/2	549.24	1/2	251.58	1/2		1/2		1/2		1/2	
3/4	1,726.77	3/4	1,429.39	3/4	1,131.94	3/4	837.44	3/4	543.04	3/4	245.38	3/4		3/4		3/4		3/4	
7	1,720.58	7	1,423.19	7	1,125.74	7	831.40	7	536.84	7	239.18	7		7		7		7	
1/4	1,714.38	1/4	1,417.00	1/4	1,119.54	1/4	825.36	1/4	530.64	1/4	232.98	1/4		1/4		1/4		1/4	
1/2	1,708.19	1/2	1,410.80	1/2	1,113.34	1/2	819.32	1/2	524.44	1/2	226.78	1/2		1/2		1/2		1/2	
3/4	1,702.00	3/4	1,404.60	3/4	1,107.15	3/4	813.29	3/4	518.24	3/4	220.57	3/4		3/4		3/4		3/4	
8	1,695.80	8	1,398.41	8	1,100.95	8	807.25	8	512.04	8	214.37	8		8		8		8	
1/4	1,689.61	1/4	1,392.21	1/4	1,094.75	1/4	801.21	1/4	505.83	1/4	208.17	1/4		1/4		1/4		1/4	
1/2	1,683.42	1/2	1,386.01	1/2	1,088.56	1/2	795.17	1/2	499.63	1/2	201.97	1/2		1/2		1/2		1/2	
3/4	1,677.22	3/4	1,379.82	3/4	1,082.36	3/4	789.14	3/4	493.43	3/4	195.77	3/4		3/4		3/4		3/4	
9	1,671.03	9	1,373.62	9	1,076.16	9	783.10	9	487.23	9	189.57	9		9		9		9	
1/4	1,664.84	1/4	1,367.42	1/4	1,069.97	1/4	777.06	1/4	481.03	1/4	183.37	1/4		1/4		1/4		1/4	
1/2	1,658.64	1/2	1,361.22	1/2	1,063.77	1/2	771.02	1/2	474.83	1/2	177.17	1/2		1/2		1/2		1/2	
3/4	1,652.45	3/4	1,355.03	3/4	1,057.57	3/4	764.99	3/4	468.63	3/4	170.97	3/4		3/4		3/4		3/4	
10	1,646.26	10	1,348.83	10	1,051.37	10	758.95	10	462.43	10	164.77	10		10		10		10	
1/4	1,640.06	1/4	1,342.63	1/4	1,045.18	1/4	752.91	1/4	456.22	1/4	158.56	1/4		1/4		1/4		1/4	
1/2	1,633.87	1/2	1,336.44	1/2	1,038.98	1/2	746.87	1/2	450.02	1/2	152.35	1/2		1/2		1/2		1/2	
3/4	1,627.68	3/4	1,330.24	3/4	1,032.78	3/4	740.84	3/4	443.82	3/4	146.15	3/4		3/4		3/4		3/4	
11	1,621.48	11	1,324.04	11	1,026.59	11	734.80	11	437.62	11	139.94	11		11		11		11	
1/4	1,615.29	1/4	1,317.85	1/4	1,020.39	1/4	728.70	1/4	431.42	1/4	133.74	1/4		1/4		1/4		1/4	
1/2	1,609.10	1/2	1,311.65	1/2	1,014.19	1/2	722.60	1/2	425.22	1/2	127.55	1/2		1/2		1/2		1/2	
3/4	1,602.90	3/4	1,305.45	3/4	1,008.00	3/4	716.50	3/4	419.02	3/4	121.36	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/17/2010 CL - SW
CALCULATED: 09/18/2010 CL
PRINTED: 09/18/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2010

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



BARGE "KIRBY 10222"

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	3,486.07	0	3,245.58	0	2,983.53	0	2,721.48	0	2,458.93	0	2,195.49	0	1,932.05		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,484.24	1/4	3,240.12	1/4	2,978.07	1/4	2,716.02	1/4	2,453.45	1/4	2,190.00	1/4	1,926.56		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,482.41	1/2	3,234.66	1/2	2,972.61	1/2	2,710.56	1/2	2,447.96	1/2	2,184.51	1/2	1,921.07		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,480.58	3/4	3,229.20	3/4	2,967.15	3/4	2,705.10	3/4	2,442.47	3/4	2,179.03	3/4	1,915.58		
1		1		1		1	3,476.92	1	3,223.74	1	2,961.69	1	2,699.64	1	2,436.98	1	2,173.54	1	1,910.09		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,473.26	1/4	3,218.28	1/4	2,956.23	1/4	2,694.18	1/4	2,431.49	1/4	2,168.05	1/4	1,904.61		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,469.60	1/2	3,212.83	1/2	2,950.77	1/2	2,688.72	1/2	2,426.00	1/2	2,162.56	1/2	1,899.12		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,465.93	3/4	3,207.37	3/4	2,945.31	3/4	2,683.26	3/4	2,420.52	3/4	2,157.07	3/4	1,893.63		
2		2		2		2	3,460.83	2	3,201.91	2	2,939.85	2	2,677.80	2	2,415.03	2	2,151.58	2	1,888.14		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,455.72	1/4	3,196.45	1/4	2,934.40	1/4	2,672.34	1/4	2,409.54	1/4	2,146.10	1/4	1,882.65		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,450.62	1/2	3,190.99	1/2	2,928.94	1/2	2,666.88	1/2	2,404.05	1/2	2,140.61	1/2	1,877.16		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,445.51	3/4	3,185.53	3/4	2,923.48	3/4	2,661.43	3/4	2,398.56	3/4	2,135.12	3/4	1,871.68		
3		3		3		3	3,440.17	3	3,180.07	3	2,918.02	3	2,655.97	3	2,393.07	3	2,129.63	3	1,866.19		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,434.84	1/4	3,174.61	1/4	2,912.56	1/4	2,650.51	1/4	2,387.59	1/4	2,124.14	1/4	1,860.70		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,429.50	1/2	3,169.15	1/2	2,907.10	1/2	2,645.05	1/2	2,382.10	1/2	2,118.65	1/2	1,855.21		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,424.16	3/4	3,163.69	3/4	2,901.64	3/4	2,639.59	3/4	2,376.61	3/4	2,113.17	3/4	1,849.72		
4		4		4		4	3,418.80	4	3,158.23	4	2,896.18	4	2,634.13	4	2,371.12	4	2,107.68	4	1,844.23		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,413.44	1/4	3,152.77	1/4	2,890.72	1/4	2,628.67	1/4	2,365.63	1/4	2,102.19	1/4	1,838.75		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,408.08	1/2	3,147.31	1/2	2,885.26	1/2	2,623.21	1/2	2,360.14	1/2	2,096.70	1/2	1,833.26		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,402.73	3/4	3,141.85	3/4	2,879.80	3/4	2,617.75	3/4	2,354.66	3/4	2,091.21	3/4	1,827.77		
5		5		5		5	3,397.36	5	3,136.39	5	2,874.34	5	2,612.29	5	2,349.17	5	2,085.72	5	1,822.28		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,392.00	1/4	3,130.93	1/4	2,868.88	1/4	2,606.83	1/4	2,343.68	1/4	2,080.24	1/4	1,816.79		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,386.64	1/2	3,125.47	1/2	2,863.42	1/2	2,601.37	1/2	2,338.19	1/2	2,074.75	1/2	1,811.30		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,381.27	3/4	3,120.02	3/4	2,857.96	3/4	2,595.91	3/4	2,332.70	3/4	2,069.26	3/4	1,805.82		
6		6		6		6	3,375.91	6	3,114.56	6	2,852.50	6	2,590.45	6	2,327.21	6	2,063.77	6	1,800.33		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,370.55	1/4	3,109.10	1/4	2,847.05	1/4	2,584.99	1/4	2,321.72	1/4	2,058.28	1/4	1,794.84		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,365.19	1/2	3,103.64	1/2	2,841.59	1/2	2,579.53	1/2	2,316.24	1/2	2,052.79	1/2	1,789.35		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,359.83	3/4	3,098.18	3/4	2,836.13	3/4	2,574.08	3/4	2,310.75	3/4	2,047.30	3/4	1,783.86		
7		7		7		7	3,354.47	7	3,092.72	7	2,830.67	7	2,568.62	7	2,305.26	7	2,041.82	7	1,778.37		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,349.11	1/4	3,087.26	1/4	2,825.21	1/4	2,563.16	1/4	2,299.77	1/4	2,036.33	1/4	1,772.88		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,343.75	1/2	3,081.80	1/2	2,819.75	1/2	2,557.70	1/2	2,294.28	1/2	2,030.84	1/2	1,767.40		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,338.39	3/4	3,076.34	3/4	2,814.29	3/4	2,552.24	3/4	2,288.79	3/4	2,025.35	3/4	1,761.91		
8		8		8		8	3,332.93	8	3,070.88	8	2,808.83	8	2,546.75	8	2,283.31	8	2,019.86	8	1,756.42		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,327.47	1/4	3,065.42	1/4	2,803.37	1/4	2,541.26	1/4	2,277.82	1/4	2,014.37	1/4	1,750.93		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,322.01	1/2	3,059.96	1/2	2,797.91	1/2	2,535.77	1/2	2,272.33	1/2	2,008.89	1/2	1,745.44		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,316.55	3/4	3,054.50	3/4	2,792.45	3/4	2,530.28	3/4	2,266.84	3/4	2,003.40	3/4	1,739.95		
9		9		9		9	3,311.09	9	3,049.04	9	2,786.99	9	2,524.80	9	2,261.35	9	1,997.91	9	1,734.47		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,305.63	1/4	3,043.58	1/4	2,781.53	1/4	2,519.31	1/4	2,255.86	1/4	1,992.42	1/4	1,728.98		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,300.18	1/2	3,038.12	1/2	2,776.07	1/2	2,513.82	1/2	2,250.38	1/2	1,986.93	1/2	1,723.49		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,294.72	3/4	3,032.66	3/4	2,770.61	3/4	2,508.33	3/4	2,244.89	3/4	1,981.44	3/4	1,718.00		
10		10		10		10	3,289.26	10	3,027.21	10	2,765.15	10	2,502.84	10	2,239.40	10	1,975.96	10	1,712.51		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,283.80	1/4	3,021.75	1/4	2,759.69	1/4	2,497.35	1/4	2,233.91	1/4	1,970.47	1/4	1,707.02		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,278.34	1/2	3,016.29	1/2	2,754.24	1/2	2,491.87	1/2	2,228.42	1/2	1,964.98	1/2	1,701.54		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,272.88	3/4	3,010.83	3/4	2,748.78	3/4	2,486.38	3/4	2,222.93	3/4	1,959.49	3/4	1,696.05		
11		11		11		11	3,267.42	11	3,005.37	11	2,743.32	11	2,480.89	11	2,217.45	11	1,954.00	11	1,690.56		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,488.82	1/4	3,261.96	1/4	2,999.91	1/4	2,737.86	1/4	2,475.40	1/4	2,211.96	1/4	1,948.51	1/4	1,685.07
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,488.36	1/2	3,256.50	1/2	2,994.45	1/2	2,732.40	1/2	2,469.91	1/2	2,206.47	1/2	1,943.03	1/2	1,679.58
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,487.90	3/4	3,251.04	3/4	2,988.99	3/4	2,726.94	3/4	2,464.42	3/4	2,200.98	3/4	1,937.54	3/4	1,674.09

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 28'-03" 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 10222"

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.	
0	1,668.61	0	1,405.16	0	1,141.54	0	879.87	0	620.25	0	356.66	0	93.19	0		0		0	
1/4	1,663.12	1/4	1,399.67	1/4	1,136.05	1/4	874.46	1/4	614.76	1/4	351.17	1/4	87.73	1/4	1/4	1/4		1/4	
1/2	1,657.63	1/2	1,394.17	1/2	1,130.55	1/2	869.06	1/2	609.27	1/2	345.68	1/2	82.28	1/2	1/2	1/2		1/2	
3/4	1,652.14	3/4	1,388.68	3/4	1,125.06	3/4	863.65	3/4	603.78	3/4	340.19	3/4	76.82	3/4	3/4	3/4		3/4	
1	1,646.65	1	1,383.19	1	1,119.57	1	858.24	1	598.29	1	334.69	1	71.39	1	1	1		1	
1/4	1,641.16	1/4	1,377.70	1/4	1,114.08	1/4	852.84	1/4	592.80	1/4	329.20	1/4	65.96	1/4	1/4	1/4		1/4	
1/2	1,635.67	1/2	1,372.21	1/2	1,108.58	1/2	847.43	1/2	587.31	1/2	323.71	1/2	60.53	1/2	1/2	1/2		1/2	
3/4	1,630.19	3/4	1,366.71	3/4	1,103.09	3/4	842.02	3/4	581.82	3/4	318.22	3/4	55.11	3/4	3/4	3/4		3/4	
2	1,624.70	2	1,361.22	2	1,097.60	2	836.61	2	576.32	2	312.73	2	49.73	2	2	2		2	
1/4	1,619.21	1/4	1,355.73	1/4	1,092.11	1/4	831.21	1/4	570.83	1/4	307.24	1/4	44.35	1/4	1/4	1/4		1/4	
1/2	1,613.72	1/2	1,350.24	1/2	1,086.62	1/2	825.80	1/2	565.34	1/2	301.74	1/2	38.97	1/2	1/2	1/2		1/2	
3/4	1,608.23	3/4	1,344.75	3/4	1,081.12	3/4	820.39	3/4	559.85	3/4	296.25	3/4	33.59	3/4	3/4	3/4		3/4	
3	1,602.74	3	1,339.25	3	1,075.63	3	814.99	3	554.36	3	290.76	3	29.03	3	3	3		3	
1/4	1,597.26	1/4	1,333.76	1/4	1,070.14	1/4	809.59	1/4	548.87	1/4	285.27	1/4	24.46	1/4	1/4	1/4		1/4	
1/2	1,591.77	1/2	1,328.27	1/2	1,064.65	1/2	804.19	1/2	543.37	1/2	279.78	1/2	19.89	1/2	1/2	1/2		1/2	
3/4	1,586.28	3/4	1,322.78	3/4	1,059.16	3/4	798.78	3/4	537.88	3/4	274.29	3/4	15.32	3/4	3/4	3/4		3/4	
4	1,580.79	4	1,317.28	4	1,053.66	4	793.38	4	532.39	4	268.79	4	12.58	4	4	4		4	
1/4	1,575.30	1/4	1,311.79	1/4	1,048.17	1/4	787.98	1/4	526.90	1/4	263.30	1/4	9.83	1/4	1/4	1/4		1/4	
1/2	1,569.81	1/2	1,306.30	1/2	1,042.68	1/2	782.58	1/2	521.41	1/2	257.81	1/2	7.08	1/2	1/2	1/2		1/2	
3/4	1,564.33	3/4	1,300.81	3/4	1,037.19	3/4	777.18	3/4	515.92	3/4	252.32	3/4	4.34	3/4	3/4	3/4		3/4	
5	1,558.84	5	1,295.32	5	1,031.70	5	771.78	5	510.42	5	246.83	5	3.42	5	5	5		5	
1/4	1,553.35	1/4	1,289.82	1/4	1,026.20	1/4	766.37	1/4	504.93	1/4	241.34	1/4	2.51	1/4	1/4	1/4		1/4	
1/2	1,547.86	1/2	1,284.33	1/2	1,020.71	1/2	760.97	1/2	499.44	1/2	235.84	1/2	1.59	1/2	1/2	1/2		1/2	
3/4	1,542.37	3/4	1,278.84	3/4	1,015.22	3/4	755.57	3/4	493.95	3/4	230.35	3/4	0.68	3/4	3/4	3/4		3/4	
6	1,536.88	6	1,273.35	6	1,009.77	6	750.17	6	488.46	6	224.86	6		6	6	6		6	
1/4	1,531.40	1/4	1,267.86	1/4	1,004.32	1/4	744.77	1/4	482.97	1/4	219.37	1/4		1/4	1/4	1/4		1/4	
1/2	1,525.91	1/2	1,262.36	1/2	998.87	1/2	739.36	1/2	477.48	1/2	213.88	1/2		1/2	1/2	1/2		1/2	
3/4	1,520.42	3/4	1,256.87	3/4	993.42	3/4	733.96	3/4	471.98	3/4	208.39	3/4		3/4	3/4	3/4		3/4	
7	1,514.93	7	1,251.38	7	988.02	7	728.56	7	466.49	7	202.90	7		7	7	7		7	
1/4	1,509.44	1/4	1,245.89	1/4	982.61	1/4	723.16	1/4	461.00	1/4	197.40	1/4		1/4	1/4	1/4		1/4	
1/2	1,503.95	1/2	1,240.40	1/2	977.20	1/2	717.76	1/2	455.51	1/2	191.91	1/2		1/2	1/2	1/2		1/2	
3/4	1,498.46	3/4	1,234.90	3/4	971.79	3/4	712.36	3/4	450.02	3/4	186.42	3/4		3/4	3/4	3/4		3/4	
8	1,492.98	8	1,229.41	8	966.39	8	706.95	8	444.53	8	180.93	8		8	8	8		8	
1/4	1,487.49	1/4	1,223.92	1/4	960.98	1/4	701.55	1/4	439.03	1/4	175.44	1/4		1/4	1/4	1/4		1/4	
1/2	1,482.00	1/2	1,218.43	1/2	955.57	1/2	696.15	1/2	433.54	1/2	169.95	1/2		1/2	1/2	1/2		1/2	
3/4	1,476.51	3/4	1,212.93	3/4	950.16	3/4	690.75	3/4	428.05	3/4	164.45	3/4		3/4	3/4	3/4		3/4	
9	1,471.02	9	1,207.44	9	944.76	9	685.35	9	422.56	9	158.96	9		9	9	9		9	
1/4	1,465.53	1/4	1,201.95	1/4	939.35	1/4	679.95	1/4	417.07	1/4	153.47	1/4		1/4	1/4	1/4		1/4	
1/2	1,460.05	1/2	1,196.46	1/2	933.94	1/2	674.54	1/2	411.58	1/2	147.98	1/2		1/2	1/2	1/2		1/2	
3/4	1,454.56	3/4	1,190.97	3/4	928.54	3/4	669.14	3/4	406.08	3/4	142.49	3/4		3/4	3/4	3/4		3/4	
10	1,449.07	10	1,185.47	10	923.13	10	663.74	10	400.59	10	137.00	10		10	10	10		10	
1/4	1,443.58	1/4	1,179.98	1/4	917.72	1/4	658.34	1/4	395.10	1/4	131.52	1/4		1/4	1/4	1/4		1/4	
1/2	1,438.09	1/2	1,174.49	1/2	912.31	1/2	652.94	1/2	389.61	1/2	126.03	1/2		1/2	1/2	1/2		1/2	
3/4	1,432.60	3/4	1,169.00	3/4	906.91	3/4	647.54	3/4	384.12	3/4	120.55	3/4		3/4	3/4	3/4		3/4	
11	1,427.12	11	1,163.51	11	901.50	11	642.09	11	378.63	11	115.07	11		11	11	11		11	
1/4	1,421.63	1/4	1,158.01	1/4	896.09	1/4	636.64	1/4	373.13	1/4	109.60	1/4		1/4	1/4	1/4		1/4	
1/2	1,416.14	1/2	1,152.52	1/2	890.69	1/2	631.19	1/2	367.64	1/2	104.12	1/2		1/2	1/2	1/2		1/2	
3/4	1,410.65	3/4	1,147.03	3/4	885.28	3/4	625.75	3/4	362.15	3/4	98.65	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/17/2010 CL - SW
CALCULATED: 09/18/2010 CL
PRINTED: 09/18/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2010

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



BARGE "KIRBY 10222"

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	3,465.57	0	3,226.82	0	2,966.64	0	2,706.47	0	2,445.80	0	2,184.22	0	1,922.64
1/4		1/4		1/4		1/4	3,463.75	1/4	3,221.40	1/4	2,961.22	1/4	2,701.05	1/4	2,440.35	1/4	2,178.77	1/4	1,917.19
1/2		1/2		1/2		1/2	3,461.93	1/2	3,215.98	1/2	2,955.80	1/2	2,695.63	1/2	2,434.90	1/2	2,173.32	1/2	1,911.74
3/4		3/4		3/4		3/4	3,460.11	3/4	3,210.56	3/4	2,950.38	3/4	2,690.21	3/4	2,429.45	3/4	2,167.87	3/4	1,906.29
1		1		1		1	3,456.48	1	3,205.14	1	2,944.96	1	2,684.79	1	2,424.00	1	2,162.42	1	1,900.84
1/4		1/4		1/4		1/4	3,452.84	1/4	3,199.72	1/4	2,939.54	1/4	2,679.37	1/4	2,418.55	1/4	2,156.97	1/4	1,895.39
1/2		1/2		1/2		1/2	3,449.21	1/2	3,194.30	1/2	2,934.12	1/2	2,673.95	1/2	2,413.10	1/2	2,151.52	1/2	1,889.94
3/4		3/4		3/4		3/4	3,445.57	3/4	3,188.88	3/4	2,928.70	3/4	2,668.53	3/4	2,407.65	3/4	2,146.07	3/4	1,884.49
2		2		2		2	3,440.51	2	3,183.46	2	2,923.28	2	2,663.11	2	2,402.20	2	2,140.62	2	1,879.04
1/4		1/4		1/4		1/4	3,435.44	1/4	3,178.04	1/4	2,917.86	1/4	2,657.69	1/4	2,396.75	1/4	2,135.17	1/4	1,873.59
1/2		1/2		1/2		1/2	3,430.37	1/2	3,172.62	1/2	2,912.44	1/2	2,652.27	1/2	2,391.30	1/2	2,129.72	1/2	1,868.14
3/4		3/4		3/4		3/4	3,425.30	3/4	3,167.19	3/4	2,907.02	3/4	2,646.85	3/4	2,385.85	3/4	2,124.27	3/4	1,862.69
3		3		3		3	3,420.00	3	3,161.77	3	2,901.60	3	2,641.43	3	2,380.40	3	2,118.82	3	1,857.24
1/4		1/4		1/4		1/4	3,414.70	1/4	3,156.35	1/4	2,896.18	1/4	2,636.01	1/4	2,374.95	1/4	2,113.37	1/4	1,851.79
1/2		1/2		1/2		1/2	3,409.40	1/2	3,150.93	1/2	2,890.76	1/2	2,630.59	1/2	2,369.50	1/2	2,107.92	1/2	1,846.34
3/4		3/4		3/4		3/4	3,404.10	3/4	3,145.51	3/4	2,885.34	3/4	2,625.16	3/4	2,364.05	3/4	2,102.47	3/4	1,840.89
4		4		4		4	3,398.78	4	3,140.09	4	2,879.92	4	2,619.74	4	2,358.60	4	2,097.02	4	1,835.44
1/4		1/4		1/4		1/4	3,393.47	1/4	3,134.67	1/4	2,874.50	1/4	2,614.32	1/4	2,353.15	1/4	2,091.57	1/4	1,829.99
1/2		1/2		1/2		1/2	3,388.15	1/2	3,129.25	1/2	2,869.08	1/2	2,608.90	1/2	2,347.70	1/2	2,086.12	1/2	1,824.54
3/4		3/4		3/4		3/4	3,382.84	3/4	3,123.83	3/4	2,863.66	3/4	2,603.48	3/4	2,342.25	3/4	2,080.67	3/4	1,819.09
5		5		5		5	3,377.51	5	3,118.41	5	2,858.24	5	2,598.06	5	2,336.80	5	2,075.22	5	1,813.64
1/4		1/4		1/4		1/4	3,372.19	1/4	3,112.99	1/4	2,852.82	1/4	2,592.64	1/4	2,331.36	1/4	2,069.77	1/4	1,808.19
1/2		1/2		1/2		1/2	3,366.86	1/2	3,107.57	1/2	2,847.40	1/2	2,587.22	1/2	2,325.91	1/2	2,064.32	1/2	1,802.74
3/4		3/4		3/4		3/4	3,361.54	3/4	3,102.15	3/4	2,841.98	3/4	2,581.80	3/4	2,320.46	3/4	2,058.88	3/4	1,797.29
6		6		6		6	3,356.22	6	3,096.73	6	2,836.56	6	2,576.38	6	2,315.01	6	2,053.43	6	1,791.84
1/4		1/4		1/4		1/4	3,350.89	1/4	3,091.31	1/4	2,831.14	1/4	2,570.96	1/4	2,309.56	1/4	2,047.98	1/4	1,786.40
1/2		1/2		1/2		1/2	3,345.57	1/2	3,085.89	1/2	2,825.72	1/2	2,565.54	1/2	2,304.11	1/2	2,042.53	1/2	1,780.95
3/4		3/4		3/4		3/4	3,340.25	3/4	3,080.47	3/4	2,820.30	3/4	2,560.12	3/4	2,298.66	3/4	2,037.08	3/4	1,775.50
7		7		7		7	3,334.93	7	3,075.05	7	2,814.88	7	2,554.70	7	2,293.21	7	2,031.63	7	1,770.05
1/4		1/4		1/4		1/4	3,329.61	1/4	3,069.63	1/4	2,809.46	1/4	2,549.28	1/4	2,287.76	1/4	2,026.18	1/4	1,764.60
1/2		1/2		1/2		1/2	3,324.29	1/2	3,064.21	1/2	2,804.03	1/2	2,543.86	1/2	2,282.31	1/2	2,020.73	1/2	1,759.15
3/4		3/4		3/4		3/4	3,318.96	3/4	3,058.79	3/4	2,798.61	3/4	2,538.44	3/4	2,276.86	3/4	2,015.28	3/4	1,753.70
8		8		8		8	3,313.54	8	3,053.37	8	2,793.19	8	2,532.99	8	2,271.41	8	2,009.83	8	1,748.25
1/4		1/4		1/4		1/4	3,308.12	1/4	3,047.95	1/4	2,787.77	1/4	2,527.54	1/4	2,265.96	1/4	2,004.38	1/4	1,742.80
1/2		1/2		1/2		1/2	3,302.70	1/2	3,042.53	1/2	2,782.35	1/2	2,522.09	1/2	2,260.51	1/2	1,998.93	1/2	1,737.35
3/4		3/4		3/4		3/4	3,297.28	3/4	3,037.11	3/4	2,776.93	3/4	2,516.64	3/4	2,255.06	3/4	1,993.48	3/4	1,731.90
9		9		9		9	3,291.86	9	3,031.69	9	2,771.51	9	2,511.19	9	2,249.61	9	1,988.03	9	1,726.45
1/4		1/4		1/4		1/4	3,286.44	1/4	3,026.27	1/4	2,766.09	1/4	2,505.74	1/4	2,244.16	1/4	1,982.58	1/4	1,721.00
1/2		1/2		1/2		1/2	3,281.02	1/2	3,020.85	1/2	2,760.67	1/2	2,500.29	1/2	2,238.71	1/2	1,977.13	1/2	1,715.55
3/4		3/4		3/4		3/4	3,275.60	3/4	3,015.43	3/4	2,755.25	3/4	2,494.84	3/4	2,233.26	3/4	1,971.68	3/4	1,710.10
10		10		10		10	3,270.18	10	3,010.01	10	2,749.83	10	2,489.39	10	2,227.81	10	1,966.23	10	1,704.65
1/4		1/4		1/4		1/4	3,264.76	1/4	3,004.59	1/4	2,744.41	1/4	2,483.94	1/4	2,222.36	1/4	1,960.78	1/4	1,699.20
1/2		1/2		1/2		1/2	3,259.34	1/2	2,999.17	1/2	2,738.99	1/2	2,478.49	1/2	2,216.91	1/2	1,955.33	1/2	1,693.75
3/4		3/4		3/4		3/4	3,253.92	3/4	2,993.75	3/4	2,733.57	3/4	2,473.04	3/4	2,211.46	3/4	1,949.88	3/4	1,688.30
11		11		11		11	3,248.50	11	2,988.32	11	2,728.15	11	2,467.60	11	2,206.01	11	1,944.43	11	1,682.85
1/4		1/4		1/4	3,468.29	1/4	3,243.08	1/4	2,982.90	1/4	2,722.73	1/4	2,462.15	1/4	2,200.56	1/4	1,938.98	1/4	1,677.40
1/2		1/2		1/2	3,467.84	1/2	3,237.66	1/2	2,977.48	1/2	2,717.31	1/2	2,456.70	1/2	2,195.12	1/2	1,933.53	1/2	1,671.95
3/4		3/4		3/4	3,467.39	3/4	3,232.24	3/4	2,972.06	3/4	2,711.89	3/4	2,451.25	3/4	2,189.67	3/4	1,928.08	3/4	1,666.50

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 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 10222"

3 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	1,661.05	0	1,399.47	0	1,137.72	0	876.89	0	615.86	0	354.14	0	92.53	0		0		0	
1/4	1,655.60	1/4	1,394.02	1/4	1,132.27	1/4	871.47	1/4	610.41	1/4	348.69	1/4	87.12	1/4	1/4	1/4		1/4	1/4
1/2	1,650.16	1/2	1,388.56	1/2	1,126.82	1/2	866.05	1/2	604.96	1/2	343.23	1/2	81.70	1/2	1/2	1/2		1/2	1/2
3/4	1,644.71	3/4	1,383.11	3/4	1,121.36	3/4	860.64	3/4	599.51	3/4	337.78	3/4	76.28	3/4	3/4	3/4		3/4	3/4
1	1,639.26	1	1,377.66	1	1,115.91	1	855.22	1	594.06	1	332.33	1	70.89	1	1	1		1	1
1/4	1,633.81	1/4	1,372.20	1/4	1,110.46	1/4	849.80	1/4	588.60	1/4	326.87	1/4	65.50	1/4	1/4	1/4		1/4	1/4
1/2	1,628.36	1/2	1,366.75	1/2	1,105.00	1/2	844.39	1/2	583.15	1/2	321.42	1/2	60.11	1/2	1/2	1/2		1/2	1/2
3/4	1,622.91	3/4	1,361.30	3/4	1,099.55	3/4	838.97	3/4	577.70	3/4	315.97	3/4	54.72	3/4	3/4	3/4		3/4	3/4
2	1,617.46	2	1,355.85	2	1,094.10	2	833.55	2	572.25	2	310.52	2	49.38	2	2	2		2	2
1/4	1,612.01	1/4	1,350.39	1/4	1,088.64	1/4	828.14	1/4	566.79	1/4	305.06	1/4	44.04	1/4	1/4	1/4		1/4	1/4
1/2	1,606.56	1/2	1,344.94	1/2	1,083.19	1/2	822.72	1/2	561.34	1/2	299.61	1/2	38.70	1/2	1/2	1/2		1/2	1/2
3/4	1,601.11	3/4	1,339.49	3/4	1,077.74	3/4	817.30	3/4	555.89	3/4	294.16	3/4	33.36	3/4	3/4	3/4		3/4	3/4
3	1,595.66	3	1,334.03	3	1,072.28	3	811.89	3	550.43	3	288.71	3	28.83	3	3	3		3	3
1/4	1,590.21	1/4	1,328.58	1/4	1,066.83	1/4	806.48	1/4	544.98	1/4	283.25	1/4	24.29	1/4	1/4	1/4		1/4	1/4
1/2	1,584.76	1/2	1,323.13	1/2	1,061.38	1/2	801.07	1/2	539.53	1/2	277.80	1/2	19.75	1/2	1/2	1/2		1/2	1/2
3/4	1,579.31	3/4	1,317.67	3/4	1,055.92	3/4	795.66	3/4	534.08	3/4	272.35	3/4	15.22	3/4	3/4	3/4		3/4	3/4
4	1,573.86	4	1,312.22	4	1,050.47	4	790.21	4	528.62	4	266.89	4	12.49	4	4	4		4	4
1/4	1,568.41	1/4	1,306.77	1/4	1,045.02	1/4	784.76	1/4	523.17	1/4	261.44	1/4	9.77	1/4	1/4	1/4		1/4	1/4
1/2	1,562.96	1/2	1,301.31	1/2	1,039.57	1/2	779.32	1/2	517.72	1/2	255.99	1/2	7.04	1/2	1/2	1/2		1/2	1/2
3/4	1,557.51	3/4	1,295.86	3/4	1,034.11	3/4	773.87	3/4	512.27	3/4	250.54	3/4	4.31	3/4	3/4	3/4		3/4	3/4
5	1,552.06	5	1,290.41	5	1,028.66	5	768.42	5	506.81	5	245.08	5	3.41	5	5	5		5	5
1/4	1,546.61	1/4	1,284.96	1/4	1,023.21	1/4	762.97	1/4	501.36	1/4	239.63	1/4	2.50	1/4	1/4	1/4		1/4	1/4
1/2	1,541.16	1/2	1,279.50	1/2	1,017.75	1/2	757.52	1/2	495.91	1/2	234.18	1/2	1.59	1/2	1/2	1/2		1/2	1/2
3/4	1,535.71	3/4	1,274.05	3/4	1,012.30	3/4	752.08	3/4	490.46	3/4	228.73	3/4	0.68	3/4	3/4	3/4		3/4	3/4
6	1,530.26	6	1,268.60	6	1,006.88	6	746.63	6	485.00	6	223.27	6		6	6	6		6	6
1/4	1,524.81	1/4	1,263.14	1/4	1,001.47	1/4	741.18	1/4	479.55	1/4	217.82	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,519.36	1/2	1,257.69	1/2	996.05	1/2	735.73	1/2	474.10	1/2	212.37	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,513.92	3/4	1,252.24	3/4	990.63	3/4	730.29	3/4	468.64	3/4	206.91	3/4		3/4	3/4	3/4		3/4	3/4
7	1,508.47	7	1,246.78	7	985.22	7	724.84	7	463.19	7	201.46	7		7	7	7		7	7
1/4	1,503.02	1/4	1,241.33	1/4	979.80	1/4	719.39	1/4	457.74	1/4	196.01	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,497.57	1/2	1,235.88	1/2	974.38	1/2	713.94	1/2	452.29	1/2	190.56	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,492.12	3/4	1,230.42	3/4	968.97	3/4	708.49	3/4	446.83	3/4	185.10	3/4		3/4	3/4	3/4		3/4	3/4
8	1,486.67	8	1,224.97	8	963.55	8	703.05	8	441.38	8	179.65	8		8	8	8		8	8
1/4	1,481.22	1/4	1,219.52	1/4	958.13	1/4	697.60	1/4	435.93	1/4	174.20	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,475.77	1/2	1,214.06	1/2	952.72	1/2	692.15	1/2	430.48	1/2	168.75	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,470.32	3/4	1,208.61	3/4	947.30	3/4	686.70	3/4	425.02	3/4	163.29	3/4		3/4	3/4	3/4		3/4	3/4
9	1,464.87	9	1,203.16	9	941.88	9	681.26	9	419.57	9	157.84	9		9	9	9		9	9
1/4	1,459.42	1/4	1,197.71	1/4	936.47	1/4	675.81	1/4	414.12	1/4	152.39	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,453.97	1/2	1,192.25	1/2	931.05	1/2	670.36	1/2	408.66	1/2	146.94	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,448.52	3/4	1,186.80	3/4	925.63	3/4	664.91	3/4	403.21	3/4	141.49	3/4		3/4	3/4	3/4		3/4	3/4
10	1,443.07	10	1,181.35	10	920.22	10	659.46	10	397.76	10	136.04	10		10	10	10		10	10
1/4	1,437.62	1/4	1,175.89	1/4	914.80	1/4	654.02	1/4	392.31	1/4	130.59	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,432.17	1/2	1,170.44	1/2	909.38	1/2	648.57	1/2	386.85	1/2	125.14	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,426.72	3/4	1,164.99	3/4	903.97	3/4	643.12	3/4	381.40	3/4	119.70	3/4		3/4	3/4	3/4		3/4	3/4
11	1,421.27	11	1,159.53	11	898.55	11	637.67	11	375.95	11	114.26	11		11	11	11		11	11
1/4	1,415.82	1/4	1,154.08	1/4	893.13	1/4	632.22	1/4	370.50	1/4	108.82	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,410.37	1/2	1,148.63	1/2	887.72	1/2	626.77	1/2	365.04	1/2	103.39	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,404.92	3/4	1,143.17	3/4	882.30	3/4	621.32	3/4	359.59	3/4	97.95	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/17/2010 CL - SW
CALCULATED: 09/18/2010 CL
PRINTED: 09/18/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2010

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