



BARGE "KIRBY 10088"

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	00-1/2	- 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: 164'-00"

March 10, 2010

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

<http://www.pmacorp.net>



BARGE "KIRBY 10088"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	3,786.17	0	3,549.28	0	3,296.83	0	3,044.39	0	2,785.29	0	2,489.48	0	2,192.98
1/4		1/4		1/4		1/4	3,785.14	1/4	3,544.02	1/4	3,291.58	1/4	3,039.13	1/4	2,779.14	1/4	2,483.31	1/4	2,186.81
1/2		1/2		1/2		1/2	3,782.04	1/2	3,538.76	1/2	3,286.32	1/2	3,033.87	1/2	2,772.98	1/2	2,477.13	1/2	2,180.63
3/4		3/4		3/4		3/4	3,778.94	3/4	3,533.50	3/4	3,281.06	3/4	3,028.62	3/4	2,766.82	3/4	2,470.95	3/4	2,174.45
1		1		1		1	3,775.83	1	3,528.24	1	3,275.80	1	3,023.36	1	2,760.66	1	2,464.78	1	2,168.28
1/4		1/4		1/4		1/4	3,772.73	1/4	3,522.98	1/4	3,270.54	1/4	3,018.10	1/4	2,754.50	1/4	2,458.60	1/4	2,162.10
1/2		1/2		1/2		1/2	3,767.57	1/2	3,517.72	1/2	3,265.28	1/2	3,012.84	1/2	2,748.34	1/2	2,452.42	1/2	2,155.92
3/4		3/4		3/4		3/4	3,762.40	3/4	3,512.46	3/4	3,260.02	3/4	3,007.58	3/4	2,742.18	3/4	2,446.25	3/4	2,149.74
2		2		2		2	3,757.23	2	3,507.20	2	3,254.76	2	3,002.32	2	2,736.03	2	2,440.07	2	2,143.57
1/4		1/4		1/4		1/4	3,752.07	1/4	3,501.94	1/4	3,249.50	1/4	2,997.06	1/4	2,729.87	1/4	2,433.89	1/4	2,137.39
1/2		1/2		1/2		1/2	3,746.94	1/2	3,496.68	1/2	3,244.24	1/2	2,991.80	1/2	2,723.71	1/2	2,427.71	1/2	2,131.21
3/4		3/4		3/4		3/4	3,741.82	3/4	3,491.43	3/4	3,238.98	3/4	2,986.54	3/4	2,717.55	3/4	2,421.54	3/4	2,125.04
3		3		3		3	3,736.69	3	3,486.17	3	3,233.72	3	2,981.28	3	2,711.39	3	2,415.36	3	2,118.86
1/4		1/4		1/4		1/4	3,731.57	1/4	3,480.91	1/4	3,228.47	1/4	2,976.02	1/4	2,705.23	1/4	2,409.18	1/4	2,112.68
1/2		1/2		1/2		1/2	3,726.41	1/2	3,475.65	1/2	3,223.21	1/2	2,970.76	1/2	2,699.08	1/2	2,403.01	1/2	2,106.50
3/4		3/4		3/4		3/4	3,721.25	3/4	3,470.39	3/4	3,217.95	3/4	2,965.51	3/4	2,692.92	3/4	2,396.83	3/4	2,100.33
4		4		4		4	3,716.09	4	3,465.13	4	3,212.69	4	2,960.25	4	2,686.76	4	2,390.65	4	2,094.15
1/4		1/4		1/4		1/4	3,710.93	1/4	3,459.87	1/4	3,207.43	1/4	2,954.99	1/4	2,680.60	1/4	2,384.47	1/4	2,087.97
1/2		1/2		1/2		1/2	3,705.75	1/2	3,454.61	1/2	3,202.17	1/2	2,949.73	1/2	2,674.44	1/2	2,378.30	1/2	2,081.80
3/4		3/4		3/4		3/4	3,700.58	3/4	3,449.35	3/4	3,196.91	3/4	2,944.47	3/4	2,668.28	3/4	2,372.12	3/4	2,075.62
5		5		5		5	3,695.40	5	3,444.09	5	3,191.65	5	2,939.21	5	2,662.13	5	2,365.94	5	2,069.44
1/4		1/4		1/4		1/4	3,690.23	1/4	3,438.83	1/4	3,186.39	1/4	2,933.95	1/4	2,655.97	1/4	2,359.77	1/4	2,063.26
1/2		1/2		1/2		1/2	3,685.05	1/2	3,433.57	1/2	3,181.13	1/2	2,928.69	1/2	2,649.81	1/2	2,353.59	1/2	2,057.09
3/4		3/4		3/4		3/4	3,679.88	3/4	3,428.31	3/4	3,175.87	3/4	2,923.43	3/4	2,643.65	3/4	2,347.41	3/4	2,050.91
6		6		6		6	3,674.70	6	3,423.06	6	3,170.61	6	2,918.17	6	2,637.49	6	2,341.23	6	2,044.73
1/4		1/4		1/4		1/4	3,669.53	1/4	3,417.80	1/4	3,165.35	1/4	2,912.91	1/4	2,631.33	1/4	2,335.06	1/4	2,038.56
1/2		1/2		1/2		1/2	3,664.36	1/2	3,412.54	1/2	3,160.10	1/2	2,907.65	1/2	2,625.18	1/2	2,328.88	1/2	2,032.38
3/4		3/4		3/4		3/4	3,659.19	3/4	3,407.28	3/4	3,154.84	3/4	2,902.39	3/4	2,619.02	3/4	2,322.70	3/4	2,026.20
7		7		7		7	3,654.02	7	3,402.02	7	3,149.58	7	2,897.14	7	2,612.86	7	2,316.53	7	2,020.03
1/4		1/4		1/4		1/4	3,648.85	1/4	3,396.76	1/4	3,144.32	1/4	2,891.88	1/4	2,606.70	1/4	2,310.35	1/4	2,013.85
1/2		1/2		1/2		1/2	3,643.68	1/2	3,391.50	1/2	3,139.06	1/2	2,886.62	1/2	2,600.54	1/2	2,304.17	1/2	2,007.67
3/4		3/4		3/4		3/4	3,638.51	3/4	3,386.24	3/4	3,133.80	3/4	2,881.36	3/4	2,594.38	3/4	2,297.99	3/4	2,001.49
8		8		8		8	3,633.34	8	3,380.98	8	3,128.54	8	2,876.10	8	2,588.22	8	2,291.82	8	1,995.32
1/4		1/4		1/4		1/4	3,628.16	1/4	3,375.72	1/4	3,123.28	1/4	2,870.84	1/4	2,582.07	1/4	2,285.64	1/4	1,989.14
1/2		1/2		1/2		1/2	3,622.91	1/2	3,370.46	1/2	3,118.02	1/2	2,865.56	1/2	2,575.91	1/2	2,279.46	1/2	1,982.96
3/4		3/4		3/4		3/4	3,617.65	3/4	3,365.20	3/4	3,112.76	3/4	2,860.27	3/4	2,569.75	3/4	2,273.29	3/4	1,976.79
9		9		9		9	3,612.39	9	3,359.95	9	3,107.50	9	2,854.99	9	2,563.59	9	2,267.11	9	1,970.61
1/4		1/4		1/4		1/4	3,607.13	1/4	3,354.69	1/4	3,102.24	1/4	2,849.70	1/4	2,557.43	1/4	2,260.93	1/4	1,964.43
1/2		1/2		1/2		1/2	3,601.87	1/2	3,349.43	1/2	3,096.99	1/2	2,844.42	1/2	2,551.26	1/2	2,254.75	1/2	1,958.25
3/4		3/4		3/4		3/4	3,596.61	3/4	3,344.17	3/4	3,091.73	3/4	2,839.14	3/4	2,545.08	3/4	2,248.58	3/4	1,952.08
10		10		10		10	3,591.35	10	3,338.91	10	3,086.47	10	2,833.85	10	2,538.90	10	2,242.40	10	1,945.90
1/4		1/4		1/4		1/4	3,586.09	1/4	3,333.65	1/4	3,081.21	1/4	2,828.57	1/4	2,532.72	1/4	2,236.22	1/4	1,939.72
1/2		1/2		1/2		1/2	3,580.83	1/2	3,328.39	1/2	3,075.95	1/2	2,822.37	1/2	2,526.55	1/2	2,230.05	1/2	1,933.55
3/4		3/4		3/4		3/4	3,575.57	3/4	3,323.13	3/4	3,070.69	3/4	2,816.17	3/4	2,520.37	3/4	2,223.87	3/4	1,927.37
11		11		11		11	3,570.31	11	3,317.87	11	3,065.43	11	2,809.97	11	2,514.19	11	2,217.69	11	1,921.19
1/4		1/4		1/4		1/4	3,565.05	1/4	3,312.61	1/4	3,060.17	1/4	2,803.77	1/4	2,508.02	1/4	2,211.52	1/4	1,915.01
1/2		1/2		1/2		1/2	3,559.79	1/2	3,307.35	1/2	3,054.91	1/2	2,797.61	1/2	2,501.84	1/2	2,205.34	1/2	1,908.84
3/4		3/4		3/4		3/4	3,787.21	3/4	3,554.54	3/4	3,302.09	3/4	3,049.65	3/4	2,791.45	3/4	2,495.66	3/4	1,902.66

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 10088"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 1/4"

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	1,896.48	0	1,599.75	0	1,302.84	0	1,005.93	0	714.96	0	418.02	0	120.91	0		0			
1/4	1,890.31	1/4	1,593.57	1/4	1,296.66	1/4	999.75	1/4	708.87	1/4	411.83	1/4	114.72	1/4		1/4			
1/2	1,884.13	1/2	1,587.39	1/2	1,290.47	1/2	993.56	1/2	702.70	1/2	405.64	1/2	108.56	1/2		1/2			
3/4	1,877.95	3/4	1,581.20	3/4	1,284.29	3/4	987.37	3/4	696.53	3/4	399.45	3/4	102.40	3/4		3/4			
1	1,871.77	1	1,575.02	1	1,278.10	1	981.19	1	690.36	1	393.26	1	96.24	1		1			
1/4	1,865.60	1/4	1,568.83	1/4	1,271.92	1/4	975.00	1/4	684.19	1/4	387.07	1/4	90.07	1/4		1/4			
1/2	1,859.42	1/2	1,562.64	1/2	1,265.73	1/2	968.88	1/2	678.00	1/2	380.88	1/2	83.94	1/2		1/2			
3/4	1,853.24	3/4	1,556.46	3/4	1,259.54	3/4	962.76	3/4	671.81	3/4	374.69	3/4	77.81	3/4		3/4			
2	1,847.07	2	1,550.27	2	1,253.36	2	956.63	2	665.62	2	368.50	2	71.68	2		2			
1/4	1,840.89	1/4	1,544.09	1/4	1,247.17	1/4	950.51	1/4	659.43	1/4	362.31	1/4	65.55	1/4		1/4			
1/2	1,834.71	1/2	1,537.90	1/2	1,240.99	1/2	944.45	1/2	653.24	1/2	356.12	1/2	59.48	1/2		1/2			
3/4	1,828.54	3/4	1,531.72	3/4	1,234.80	3/4	938.39	3/4	647.05	3/4	349.93	3/4	53.41	3/4		3/4			
3	1,822.36	3	1,525.53	3	1,228.62	3	932.33	3	640.86	3	343.74	3	47.33	3		3			
1/4	1,816.18	1/4	1,519.34	1/4	1,222.43	1/4	926.27	1/4	634.67	1/4	337.55	1/4	41.26	1/4		1/4			
1/2	1,810.00	1/2	1,513.16	1/2	1,216.24	1/2	920.21	1/2	628.48	1/2	331.36	1/2	36.10	1/2		1/2			
3/4	1,803.81	3/4	1,506.97	3/4	1,210.06	3/4	914.16	3/4	622.29	3/4	325.17	3/4	30.94	3/4		3/4			
4	1,797.62	4	1,500.79	4	1,203.87	4	908.10	4	616.10	4	318.98	4	25.78	4		4			
1/4	1,791.44	1/4	1,494.60	1/4	1,197.69	1/4	902.04	1/4	609.91	1/4	312.79	1/4	20.62	1/4		1/4			
1/2	1,785.25	1/2	1,488.42	1/2	1,191.50	1/2	896.00	1/2	603.72	1/2	306.60	1/2	17.52	1/2		1/2			
3/4	1,779.07	3/4	1,482.23	3/4	1,185.32	3/4	889.95	3/4	597.53	3/4	300.41	3/4	14.42	3/4		3/4			
5	1,772.88	5	1,476.04	5	1,179.13	5	883.91	5	591.34	5	294.22	5	11.32	5		5			
1/4	1,766.70	1/4	1,469.86	1/4	1,172.94	1/4	877.87	1/4	585.15	1/4	288.03	1/4	8.22	1/4		1/4			
1/2	1,760.51	1/2	1,463.67	1/2	1,166.76	1/2	871.84	1/2	578.96	1/2	281.84	1/2	7.19	1/2		1/2			
3/4	1,754.33	3/4	1,457.49	3/4	1,160.57	3/4	865.81	3/4	572.77	3/4	275.65	3/4	6.15	3/4		3/4			
6	1,748.14	6	1,451.30	6	1,154.39	6	859.79	6	566.58	6	269.46	6	5.12	6		6			
1/4	1,741.95	1/4	1,445.12	1/4	1,148.20	1/4	853.76	1/4	560.39	1/4	263.27	1/4	4.09	1/4		1/4			
1/2	1,735.77	1/2	1,438.93	1/2	1,142.02	1/2	847.73	1/2	554.20	1/2	257.08	1/2		1/2		1/2			
3/4	1,729.59	3/4	1,432.74	3/4	1,135.83	3/4	841.71	3/4	548.01	3/4	250.89	3/4		3/4		3/4			
7	1,723.40	7	1,426.56	7	1,129.64	7	835.68	7	541.82	7	244.70	7		7		7			
1/4	1,717.22	1/4	1,420.37	1/4	1,123.46	1/4	829.66	1/4	535.63	1/4	238.51	1/4		1/4		1/4			
1/2	1,711.04	1/2	1,414.19	1/2	1,117.27	1/2	823.63	1/2	529.44	1/2	232.32	1/2		1/2		1/2			
3/4	1,704.85	3/4	1,408.00	3/4	1,111.09	3/4	817.60	3/4	523.25	3/4	226.13	3/4		3/4		3/4			
8	1,698.67	8	1,401.82	8	1,104.90	8	811.58	8	517.06	8	219.94	8		8		8			
1/4	1,692.49	1/4	1,395.63	1/4	1,098.72	1/4	805.55	1/4	510.87	1/4	213.75	1/4		1/4		1/4			
1/2	1,686.31	1/2	1,389.44	1/2	1,092.53	1/2	799.52	1/2	504.68	1/2	207.56	1/2		1/2		1/2			
3/4	1,680.12	3/4	1,383.26	3/4	1,086.35	3/4	793.50	3/4	498.49	3/4	201.37	3/4		3/4		3/4			
9	1,673.94	9	1,377.07	9	1,080.16	9	787.47	9	492.30	9	195.18	9		9		9			
1/4	1,667.76	1/4	1,370.89	1/4	1,073.97	1/4	781.44	1/4	486.11	1/4	188.99	1/4		1/4		1/4			
1/2	1,661.58	1/2	1,364.70	1/2	1,067.79	1/2	775.42	1/2	479.92	1/2	182.80	1/2		1/2		1/2			
3/4	1,655.40	3/4	1,358.52	3/4	1,061.60	3/4	769.39	3/4	473.73	3/4	176.61	3/4		3/4		3/4			
10	1,649.21	10	1,352.33	10	1,055.42	10	763.37	10	467.54	10	170.42	10		10		10			
1/4	1,643.03	1/4	1,346.14	1/4	1,049.23	1/4	757.34	1/4	461.35	1/4	164.24	1/4		1/4		1/4			
1/2	1,636.85	1/2	1,339.96	1/2	1,043.05	1/2	751.31	1/2	455.16	1/2	158.04	1/2		1/2		1/2			
3/4	1,630.67	3/4	1,333.77	3/4	1,036.86	3/4	745.29	3/4	448.97	3/4	151.84	3/4		3/4		3/4			
11	1,624.48	11	1,327.59	11	1,030.67	11	739.26	11	442.78	11	145.65	11		11		11			
1/4	1,618.30	1/4	1,321.40	1/4	1,024.49	1/4	733.23	1/4	436.59	1/4	139.45	1/4		1/4		1/4			
1/2	1,612.12	1/2	1,315.22	1/2	1,018.30	1/2	727.14	1/2	430.40	1/2	133.27	1/2		1/2		1/2			
3/4	1,605.94	3/4	1,309.03	3/4	1,012.12	3/4	721.05	3/4	424.21	3/4	127.09	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/10/2010 CL - SW
CALCULATED: 03/10/2010 CL
PRINTED: 03/10/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2010

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



BARGE "KIRBY 10088"

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		IN		IN		IN		IN		IN		IN		IN		IN		IN			
0		0		0		0	3,494.18	0	3,249.22	0	2,987.32	0	2,725.42	0	2,463.05	0	2,199.75	0	1,936.45		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,491.44	1/4	3,243.77	1/4	2,981.86	1/4	2,719.96	1/4	2,457.57	1/4	2,194.27	1/4	1,930.97		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,488.69	1/2	3,238.31	1/2	2,976.41	1/2	2,714.51	1/2	2,452.08	1/2	2,188.78	1/2	1,925.48		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,485.95	3/4	3,232.85	3/4	2,970.95	3/4	2,709.05	3/4	2,446.59	3/4	2,183.30	3/4	1,920.00		
1		1		1		1	3,483.20	1	3,227.40	1	2,965.50	1	2,703.59	1	2,441.11	1	2,177.81	1	1,914.51		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,478.63	1/4	3,221.94	1/4	2,960.04	1/4	2,698.14	1/4	2,435.62	1/4	2,172.32	1/4	1,909.03		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,474.06	1/2	3,216.49	1/2	2,954.58	1/2	2,692.68	1/2	2,430.14	1/2	2,166.84	1/2	1,903.54		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,469.49	3/4	3,211.03	3/4	2,949.13	3/4	2,687.22	3/4	2,424.65	3/4	2,161.35	3/4	1,898.05		
2		2		2		2	3,464.91	2	3,205.57	2	2,943.67	2	2,681.77	2	2,419.17	2	2,155.87	2	1,892.57		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,459.60	1/4	3,200.12	1/4	2,938.21	1/4	2,676.31	1/4	2,413.68	1/4	2,150.38	1/4	1,887.08		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,454.28	1/2	3,194.66	1/2	2,932.76	1/2	2,670.86	1/2	2,408.20	1/2	2,144.90	1/2	1,881.60		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,448.96	3/4	3,189.20	3/4	2,927.30	3/4	2,665.40	3/4	2,402.71	3/4	2,139.41	3/4	1,876.11		
3		3		3		3	3,443.65	3	3,183.75	3	2,921.85	3	2,659.94	3	2,397.23	3	2,133.93	3	1,870.63		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,438.30	1/4	3,178.29	1/4	2,916.39	1/4	2,654.49	1/4	2,391.74	1/4	2,128.44	1/4	1,865.14		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,432.95	1/2	3,172.84	1/2	2,910.93	1/2	2,649.03	1/2	2,386.26	1/2	2,122.96	1/2	1,859.66		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,427.60	3/4	3,167.38	3/4	2,905.48	3/4	2,643.57	3/4	2,380.77	3/4	2,117.47	3/4	1,854.17		
4		4		4		4	3,422.26	4	3,161.92	4	2,900.02	4	2,638.12	4	2,375.28	4	2,111.99	4	1,848.69		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,416.90	1/4	3,156.47	1/4	2,894.56	1/4	2,632.66	1/4	2,369.80	1/4	2,106.50	1/4	1,843.20		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,411.54	1/2	3,151.01	1/2	2,889.11	1/2	2,627.21	1/2	2,364.31	1/2	2,101.01	1/2	1,837.72		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,406.18	3/4	3,145.55	3/4	2,883.65	3/4	2,621.75	3/4	2,358.83	3/4	2,095.53	3/4	1,832.23		
5		5		5		5	3,400.82	5	3,140.10	5	2,878.20	5	2,616.29	5	2,353.34	5	2,090.04	5	1,826.74		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,395.46	1/4	3,134.64	1/4	2,872.74	1/4	2,610.84	1/4	2,347.86	1/4	2,084.56	1/4	1,821.26		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,390.10	1/2	3,129.19	1/2	2,867.28	1/2	2,605.38	1/2	2,342.37	1/2	2,079.07	1/2	1,815.77		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,384.73	3/4	3,123.73	3/4	2,861.83	3/4	2,599.92	3/4	2,336.89	3/4	2,073.59	3/4	1,810.29		
6		6		6		6	3,379.37	6	3,118.27	6	2,856.37	6	2,594.47	6	2,331.40	6	2,068.10	6	1,804.80		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,374.02	1/4	3,112.82	1/4	2,850.91	1/4	2,589.01	1/4	2,325.92	1/4	2,062.62	1/4	1,799.32		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,368.66	1/2	3,107.36	1/2	2,845.46	1/2	2,583.56	1/2	2,320.43	1/2	2,057.13	1/2	1,793.83		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,363.30	3/4	3,101.90	3/4	2,840.00	3/4	2,578.10	3/4	2,314.95	3/4	2,051.65	3/4	1,788.35		
7		7		7		7	3,357.95	7	3,096.45	7	2,834.54	7	2,572.64	7	2,309.46	7	2,046.16	7	1,782.86		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,352.59	1/4	3,090.99	1/4	2,829.09	1/4	2,567.19	1/4	2,303.97	1/4	2,040.68	1/4	1,777.38		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,347.24	1/2	3,085.53	1/2	2,823.63	1/2	2,561.73	1/2	2,298.49	1/2	2,035.19	1/2	1,771.89		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,341.88	3/4	3,080.08	3/4	2,818.18	3/4	2,556.27	3/4	2,293.00	3/4	2,029.70	3/4	1,766.41		
8		8		8		8	3,336.52	8	3,074.62	8	2,812.72	8	2,550.82	8	2,287.52	8	2,024.22	8	1,760.92		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,331.07	1/4	3,069.17	1/4	2,807.26	1/4	2,545.33	1/4	2,282.03	1/4	2,018.73	1/4	1,755.43		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,325.61	1/2	3,063.71	1/2	2,801.81	1/2	2,539.85	1/2	2,276.55	1/2	2,013.25	1/2	1,749.95		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,320.16	3/4	3,058.25	3/4	2,796.35	3/4	2,534.36	3/4	2,271.06	3/4	2,007.76	3/4	1,744.46		
9		9		9		9	3,314.70	9	3,052.80	9	2,790.89	9	2,528.88	9	2,265.58	9	2,002.28	9	1,738.98		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,309.24	1/4	3,047.34	1/4	2,785.44	1/4	2,523.39	1/4	2,260.09	1/4	1,996.79	1/4	1,733.49		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,303.79	1/2	3,041.88	1/2	2,779.98	1/2	2,517.90	1/2	2,254.61	1/2	1,991.31	1/2	1,728.01		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,298.33	3/4	3,036.43	3/4	2,774.53	3/4	2,512.42	3/4	2,249.12	3/4	1,985.82	3/4	1,722.52		
10		10		10		10	3,292.87	10	3,030.97	10	2,769.07	10	2,506.93	10	2,243.63	10	1,980.34	10	1,717.04		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,287.42	1/4	3,025.52	1/4	2,763.61	1/4	2,501.45	1/4	2,238.15	1/4	1,974.85	1/4	1,711.55		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,281.96	1/2	3,020.06	1/2	2,758.16	1/2	2,495.96	1/2	2,232.66	1/2	1,969.36	1/2	1,706.07		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,276.51	3/4	3,014.60	3/4	2,752.70	3/4	2,490.48	3/4	2,227.18	3/4	1,963.88	3/4	1,700.58		
11		11		11		11	3,271.05	11	3,009.15	11	2,747.24	11	2,484.99	11	2,221.69	11	1,958.39	11	1,695.09		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,265.59	1/4	3,003.69	1/4	2,741.79	1/4	2,479.51	1/4	2,216.21	1/4	1,952.91	1/4	1,689.61		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,496.01	1/2	3,260.14	1/2	2,998.23	1/2	2,736.33	1/2	2,474.02	1/2	2,210.72	1/2	1,947.42	1/2	1,684.12
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,495.10	3/4	3,254.68	3/4	2,992.78	3/4	2,730.88	3/4	2,468.54	3/4	2,205.24	3/4	1,941.94	3/4	1,678.64

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 28'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
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 Pearland, Texas 77588
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BARGE "KIRBY 10088"

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	1,673.15	0	1,409.85	0	1,146.38	0	884.78	0	625.40	0	361.95	0	98.59	0		0		0	
1/4	1,667.67	1/4	1,404.37	1/4	1,140.89	1/4	879.37	1/4	619.91	1/4	356.46	1/4	93.14	1/4		1/4		1/4	
1/2	1,662.18	1/2	1,398.88	1/2	1,135.40	1/2	873.97	1/2	614.42	1/2	350.98	1/2	87.69	1/2		1/2		1/2	
3/4	1,656.70	3/4	1,393.39	3/4	1,129.92	3/4	868.57	3/4	608.94	3/4	345.49	3/4	82.23	3/4		3/4		3/4	
1	1,651.21	1	1,387.90	1	1,124.43	1	863.16	1	603.45	1	340.00	1	76.78	1		1		1	
1/4	1,645.73	1/4	1,382.41	1/4	1,118.94	1/4	857.76	1/4	597.96	1/4	334.51	1/4	71.35	1/4		1/4		1/4	
1/2	1,640.24	1/2	1,376.92	1/2	1,113.45	1/2	852.35	1/2	592.47	1/2	329.02	1/2	65.93	1/2		1/2		1/2	
3/4	1,634.76	3/4	1,371.43	3/4	1,107.96	3/4	846.95	3/4	586.99	3/4	323.53	3/4	60.50	3/4		3/4		3/4	
2	1,629.27	2	1,365.94	2	1,102.47	2	841.55	2	581.50	2	318.04	2	55.08	2		2		2	
1/4	1,623.78	1/4	1,360.45	1/4	1,096.98	1/4	836.14	1/4	576.01	1/4	312.56	1/4	49.70	1/4		1/4		1/4	
1/2	1,618.30	1/2	1,354.96	1/2	1,091.49	1/2	830.74	1/2	570.52	1/2	307.07	1/2	44.33	1/2		1/2		1/2	
3/4	1,612.81	3/4	1,349.48	3/4	1,086.00	3/4	825.33	3/4	565.03	3/4	301.58	3/4	38.95	3/4		3/4		3/4	
3	1,607.33	3	1,343.99	3	1,080.51	3	819.93	3	559.54	3	296.09	3	33.58	3		3		3	
1/4	1,601.84	1/4	1,338.50	1/4	1,075.03	1/4	814.53	1/4	554.05	1/4	290.60	1/4	29.01	1/4		1/4		1/4	
1/2	1,596.36	1/2	1,333.01	1/2	1,069.54	1/2	809.13	1/2	548.57	1/2	285.11	1/2	24.45	1/2		1/2		1/2	
3/4	1,590.87	3/4	1,327.52	3/4	1,064.05	3/4	803.74	3/4	543.08	3/4	279.62	3/4	19.88	3/4		3/4		3/4	
4	1,585.39	4	1,322.03	4	1,058.56	4	798.34	4	537.59	4	274.14	4	15.31	4		4		4	
1/4	1,579.90	1/4	1,316.54	1/4	1,053.07	1/4	792.94	1/4	532.10	1/4	268.65	1/4	12.57	1/4		1/4		1/4	
1/2	1,574.42	1/2	1,311.05	1/2	1,047.58	1/2	787.54	1/2	526.61	1/2	263.16	1/2	9.83	1/2		1/2		1/2	
3/4	1,568.93	3/4	1,305.56	3/4	1,042.09	3/4	782.14	3/4	521.12	3/4	257.67	3/4	7.08	3/4		3/4		3/4	
5	1,563.45	5	1,300.07	5	1,036.60	5	776.74	5	515.63	5	252.18	5	4.34	5		5		5	
1/4	1,557.96	1/4	1,294.59	1/4	1,031.11	1/4	771.34	1/4	510.15	1/4	246.69	1/4	3.42	1/4		1/4		1/4	
1/2	1,552.47	1/2	1,289.10	1/2	1,025.62	1/2	765.94	1/2	504.66	1/2	241.20	1/2	2.51	1/2		1/2		1/2	
3/4	1,546.99	3/4	1,283.61	3/4	1,020.14	3/4	760.55	3/4	499.17	3/4	235.72	3/4	1.59	3/4		3/4		3/4	
6	1,541.50	6	1,278.12	6	1,014.65	6	755.15	6	493.68	6	230.23	6	0.68	6		6		6	
1/4	1,536.02	1/4	1,272.63	1/4	1,009.20	1/4	749.75	1/4	488.19	1/4	224.74	1/4		1/4		1/4		1/4	
1/2	1,530.53	1/2	1,267.14	1/2	1,003.75	1/2	744.35	1/2	482.70	1/2	219.25	1/2		1/2		1/2		1/2	
3/4	1,525.05	3/4	1,261.65	3/4	998.31	3/4	738.95	3/4	477.21	3/4	213.76	3/4		3/4		3/4		3/4	
7	1,519.56	7	1,256.16	7	992.86	7	733.55	7	471.72	7	208.27	7		7		7		7	
1/4	1,514.08	1/4	1,250.67	1/4	987.45	1/4	728.15	1/4	466.24	1/4	202.78	1/4		1/4		1/4		1/4	
1/2	1,508.59	1/2	1,245.18	1/2	982.05	1/2	722.76	1/2	460.75	1/2	197.29	1/2		1/2		1/2		1/2	
3/4	1,503.11	3/4	1,239.70	3/4	976.65	3/4	717.36	3/4	455.26	3/4	191.81	3/4		3/4		3/4		3/4	
8	1,497.62	8	1,234.21	8	971.24	8	711.96	8	449.77	8	186.32	8		8		8		8	
1/4	1,492.14	1/4	1,228.72	1/4	965.84	1/4	706.56	1/4	444.28	1/4	180.83	1/4		1/4		1/4		1/4	
1/2	1,486.65	1/2	1,223.23	1/2	960.43	1/2	701.16	1/2	438.79	1/2	175.34	1/2		1/2		1/2		1/2	
3/4	1,481.16	3/4	1,217.74	3/4	955.03	3/4	695.76	3/4	433.30	3/4	169.85	3/4		3/4		3/4		3/4	
9	1,475.68	9	1,212.25	9	949.63	9	690.36	9	427.82	9	164.36	9		9		9		9	
1/4	1,470.19	1/4	1,206.76	1/4	944.22	1/4	684.97	1/4	422.33	1/4	158.88	1/4		1/4		1/4		1/4	
1/2	1,464.71	1/2	1,201.27	1/2	938.82	1/2	679.57	1/2	416.84	1/2	153.39	1/2		1/2		1/2		1/2	
3/4	1,459.22	3/4	1,195.78	3/4	933.41	3/4	674.17	3/4	411.35	3/4	147.90	3/4		3/4		3/4		3/4	
10	1,453.74	10	1,190.29	10	928.01	10	668.77	10	405.86	10	142.41	10		10		10		10	
1/4	1,448.25	1/4	1,184.81	1/4	922.61	1/4	663.37	1/4	400.37	1/4	136.93	1/4		1/4		1/4		1/4	
1/2	1,442.77	1/2	1,179.32	1/2	917.20	1/2	657.97	1/2	394.88	1/2	131.45	1/2		1/2		1/2		1/2	
3/4	1,437.28	3/4	1,173.83	3/4	911.80	3/4	652.58	3/4	389.40	3/4	125.96	3/4		3/4		3/4		3/4	
11	1,431.80	11	1,168.34	11	906.39	11	647.18	11	383.91	11	120.48	11		11		11		11	
1/4	1,426.31	1/4	1,162.85	1/4	900.99	1/4	641.73	1/4	378.42	1/4	115.01	1/4		1/4		1/4		1/4	
1/2	1,420.82	1/2	1,157.36	1/2	895.59	1/2	636.29	1/2	372.93	1/2	109.54	1/2		1/2		1/2		1/2	
3/4	1,415.34	3/4	1,151.87	3/4	890.18	3/4	630.84	3/4	367.44	3/4	104.06	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/10/2010 CL - SW
CALCULATED: 03/10/2010 CL
PRINTED: 03/10/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2010

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



BARGE "KIRBY 10088"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	3,473.93	0	3,235.26	0	2,975.28	0	2,715.29	0	2,454.87	0	2,193.48	0	1,932.10
1/4		1/4		1/4		1/4	3,473.03	1/4	3,229.85	1/4	2,969.86	1/4	2,709.87	1/4	2,449.42	1/4	2,188.04	1/4	1,926.65
1/2		1/2		1/2		1/2	3,470.30	1/2	3,224.43	1/2	2,964.44	1/2	2,704.46	1/2	2,443.98	1/2	2,182.59	1/2	1,921.21
3/4		3/4		3/4		3/4	3,467.58	3/4	3,219.02	3/4	2,959.03	3/4	2,699.04	3/4	2,438.53	3/4	2,177.15	3/4	1,915.76
1		1		1		1	3,464.85	1	3,213.60	1	2,953.61	1	2,693.62	1	2,433.08	1	2,171.70	1	1,910.32
1/4		1/4		1/4		1/4	3,462.13	1/4	3,208.18	1/4	2,948.20	1/4	2,688.21	1/4	2,427.64	1/4	2,166.25	1/4	1,904.87
1/2		1/2		1/2		1/2	3,457.59	1/2	3,202.77	1/2	2,942.78	1/2	2,682.79	1/2	2,422.19	1/2	2,160.81	1/2	1,899.43
3/4		3/4		3/4		3/4	3,453.05	3/4	3,197.35	3/4	2,937.36	3/4	2,677.38	3/4	2,416.75	3/4	2,155.36	3/4	1,893.98
2		2		2		2	3,448.51	2	3,191.93	2	2,931.95	2	2,671.96	2	2,411.30	2	2,149.92	2	1,888.53
1/4		1/4		1/4		1/4	3,443.97	1/4	3,186.52	1/4	2,926.53	1/4	2,666.54	1/4	2,405.86	1/4	2,144.47	1/4	1,883.09
1/2		1/2		1/2		1/2	3,438.69	1/2	3,181.10	1/2	2,921.11	1/2	2,661.13	1/2	2,400.41	1/2	2,139.03	1/2	1,877.64
3/4		3/4		3/4		3/4	3,433.42	3/4	3,175.68	3/4	2,915.70	3/4	2,655.71	3/4	2,394.97	3/4	2,133.58	3/4	1,872.20
3		3		3		3	3,428.14	3	3,170.27	3	2,910.28	3	2,650.29	3	2,389.52	3	2,128.14	3	1,866.75
1/4		1/4		1/4		1/4	3,422.86	1/4	3,164.85	1/4	2,904.86	1/4	2,644.88	1/4	2,384.07	1/4	2,122.69	1/4	1,861.31
1/2		1/2		1/2		1/2	3,417.55	1/2	3,159.43	1/2	2,899.45	1/2	2,639.46	1/2	2,378.63	1/2	2,117.25	1/2	1,855.86
3/4		3/4		3/4		3/4	3,412.24	3/4	3,154.02	3/4	2,894.03	3/4	2,634.04	3/4	2,373.18	3/4	2,111.80	3/4	1,850.42
4		4		4		4	3,406.94	4	3,148.60	4	2,888.61	4	2,628.63	4	2,367.74	4	2,106.35	4	1,844.97
1/4		1/4		1/4		1/4	3,401.63	1/4	3,143.19	1/4	2,883.20	1/4	2,623.21	1/4	2,362.29	1/4	2,100.91	1/4	1,839.52
1/2		1/2		1/2		1/2	3,396.31	1/2	3,137.77	1/2	2,877.78	1/2	2,617.79	1/2	2,356.85	1/2	2,095.46	1/2	1,834.08
3/4		3/4		3/4		3/4	3,390.98	3/4	3,132.35	3/4	2,872.37	3/4	2,612.38	3/4	2,351.40	3/4	2,090.02	3/4	1,828.63
5		5		5		5	3,385.66	5	3,126.94	5	2,866.95	5	2,606.96	5	2,345.96	5	2,084.57	5	1,823.19
1/4		1/4		1/4		1/4	3,380.34	1/4	3,121.52	1/4	2,861.53	1/4	2,601.55	1/4	2,340.51	1/4	2,079.13	1/4	1,817.74
1/2		1/2		1/2		1/2	3,375.02	1/2	3,116.10	1/2	2,856.12	1/2	2,596.13	1/2	2,335.07	1/2	2,073.68	1/2	1,812.30
3/4		3/4		3/4		3/4	3,369.70	3/4	3,110.69	3/4	2,850.70	3/4	2,590.71	3/4	2,329.62	3/4	2,068.24	3/4	1,806.85
6		6		6		6	3,364.37	6	3,105.27	6	2,845.28	6	2,585.30	6	2,324.17	6	2,062.79	6	1,801.41
1/4		1/4		1/4		1/4	3,359.05	1/4	3,099.85	1/4	2,839.87	1/4	2,579.88	1/4	2,318.73	1/4	2,057.34	1/4	1,795.96
1/2		1/2		1/2		1/2	3,353.74	1/2	3,094.44	1/2	2,834.45	1/2	2,574.46	1/2	2,313.28	1/2	2,051.90	1/2	1,790.52
3/4		3/4		3/4		3/4	3,348.42	3/4	3,089.02	3/4	2,829.03	3/4	2,569.05	3/4	2,307.84	3/4	2,046.45	3/4	1,785.07
7		7		7		7	3,343.10	7	3,083.61	7	2,823.62	7	2,563.63	7	2,302.39	7	2,041.01	7	1,779.62
1/4		1/4		1/4		1/4	3,337.78	1/4	3,078.19	1/4	2,818.20	1/4	2,558.21	1/4	2,296.95	1/4	2,035.56	1/4	1,774.18
1/2		1/2		1/2		1/2	3,332.46	1/2	3,072.77	1/2	2,812.79	1/2	2,552.80	1/2	2,291.50	1/2	2,030.12	1/2	1,768.73
3/4		3/4		3/4		3/4	3,327.15	3/4	3,067.36	3/4	2,807.37	3/4	2,547.38	3/4	2,286.06	3/4	2,024.67	3/4	1,763.29
8		8		8		8	3,321.83	8	3,061.94	8	2,801.95	8	2,541.97	8	2,280.61	8	2,019.23	8	1,757.84
1/4		1/4		1/4		1/4	3,316.51	1/4	3,056.52	1/4	2,796.54	1/4	2,536.55	1/4	2,275.16	1/4	2,013.78	1/4	1,752.40
1/2		1/2		1/2		1/2	3,311.09	1/2	3,051.11	1/2	2,791.12	1/2	2,531.10	1/2	2,269.72	1/2	2,008.34	1/2	1,746.95
3/4		3/4		3/4		3/4	3,305.68	3/4	3,045.69	3/4	2,785.70	3/4	2,525.66	3/4	2,264.27	3/4	2,002.89	3/4	1,741.51
9		9		9		9	3,300.26	9	3,040.27	9	2,780.29	9	2,520.21	9	2,258.83	9	1,997.44	9	1,736.06
1/4		1/4		1/4		1/4	3,294.84	1/4	3,034.86	1/4	2,774.87	1/4	2,514.77	1/4	2,253.38	1/4	1,991.99	1/4	1,730.61
1/2		1/2		1/2		1/2	3,289.43	1/2	3,029.44	1/2	2,769.45	1/2	2,509.32	1/2	2,247.94	1/2	1,986.55	1/2	1,725.17
3/4		3/4		3/4		3/4	3,284.01	3/4	3,024.02	3/4	2,764.04	3/4	2,503.88	3/4	2,242.49	3/4	1,981.11	3/4	1,719.72
10		10		10		10	3,278.60	10	3,018.61	10	2,758.62	10	2,498.43	10	2,237.05	10	1,975.66	10	1,714.28
1/4		1/4		1/4		1/4	3,273.18	1/4	3,013.19	1/4	2,753.20	1/4	2,492.98	1/4	2,231.60	1/4	1,970.22	1/4	1,708.83
1/2		1/2		1/2		1/2	3,267.76	1/2	3,007.78	1/2	2,747.79	1/2	2,487.54	1/2	2,226.16	1/2	1,964.77	1/2	1,703.39
3/4		3/4		3/4		3/4	3,262.35	3/4	3,002.36	3/4	2,742.37	3/4	2,482.09	3/4	2,220.71	3/4	1,959.33	3/4	1,697.94
11		11		11		11	3,256.93	11	2,996.94	11	2,736.96	11	2,476.65	11	2,215.26	11	1,953.88	11	1,692.50
1/4		1/4		1/4		1/4	3,251.51	1/4	2,991.53	1/4	2,731.54	1/4	2,471.20	1/4	2,209.82	1/4	1,948.43	1/4	1,687.05
1/2		1/2		1/2		1/2	3,246.10	1/2	2,986.11	1/2	2,726.12	1/2	2,465.76	1/2	2,204.37	1/2	1,942.99	1/2	1,681.61
3/4		3/4		3/4		3/4	3,240.68	3/4	2,980.69	3/4	2,720.71	3/4	2,460.31	3/4	2,198.93	3/4	1,937.54	3/4	1,676.16

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'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 10088"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 1/4"

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	1,670.71	0	1,409.33	0	1,147.78	0	887.06	0	626.31	0	364.77	0	103.31	0		0			
1/4	1,665.27	1/4	1,403.88	1/4	1,142.33	1/4	881.65	1/4	620.86	1/4	359.33	1/4	97.88	1/4		1/4			
1/2	1,659.82	1/2	1,398.44	1/2	1,136.88	1/2	876.23	1/2	615.41	1/2	353.88	1/2	92.47	1/2		1/2			
3/4	1,654.38	3/4	1,392.99	3/4	1,131.43	3/4	870.82	3/4	609.96	3/4	348.43	3/4	87.05	3/4		3/4			
1	1,648.93	1	1,387.54	1	1,125.98	1	865.41	1	604.52	1	342.98	1	81.64	1		1			
1/4	1,643.49	1/4	1,382.09	1/4	1,120.53	1/4	860.00	1/4	599.07	1/4	337.53	1/4	76.22	1/4		1/4			
1/2	1,638.04	1/2	1,376.64	1/2	1,115.08	1/2	854.58	1/2	593.62	1/2	332.08	1/2	70.84	1/2		1/2			
3/4	1,632.60	3/4	1,371.19	3/4	1,109.63	3/4	849.17	3/4	588.17	3/4	326.63	3/4	65.45	3/4		3/4			
2	1,627.15	2	1,365.74	2	1,104.18	2	843.76	2	582.72	2	321.18	2	60.07	2		2			
1/4	1,621.70	1/4	1,360.29	1/4	1,098.74	1/4	838.35	1/4	577.27	1/4	315.74	1/4	54.68	1/4		1/4			
1/2	1,616.26	1/2	1,354.84	1/2	1,093.29	1/2	832.93	1/2	571.82	1/2	310.29	1/2	49.34	1/2		1/2			
3/4	1,610.81	3/4	1,349.39	3/4	1,087.84	3/4	827.52	3/4	566.38	3/4	304.84	3/4	44.01	3/4		3/4			
3	1,605.37	3	1,343.94	3	1,082.39	3	822.11	3	560.93	3	299.39	3	38.67	3		3			
1/4	1,599.92	1/4	1,338.50	1/4	1,076.94	1/4	816.70	1/4	555.48	1/4	293.94	1/4	33.34	1/4		1/4			
1/2	1,594.48	1/2	1,333.05	1/2	1,071.49	1/2	811.29	1/2	550.03	1/2	288.49	1/2	28.80	1/2		1/2			
3/4	1,589.03	3/4	1,327.60	3/4	1,066.04	3/4	805.88	3/4	544.58	3/4	283.04	3/4	24.27	3/4		3/4			
4	1,583.59	4	1,322.15	4	1,060.59	4	800.47	4	539.13	4	277.60	4	19.74	4		4			
1/4	1,578.14	1/4	1,316.70	1/4	1,055.14	1/4	795.07	1/4	533.68	1/4	272.15	1/4	15.21	1/4		1/4			
1/2	1,572.70	1/2	1,311.25	1/2	1,049.69	1/2	789.62	1/2	528.24	1/2	266.70	1/2	12.48	1/2		1/2			
3/4	1,567.25	3/4	1,305.80	3/4	1,044.24	3/4	784.18	3/4	522.79	3/4	261.25	3/4	9.76	3/4		3/4			
5	1,561.80	5	1,300.35	5	1,038.80	5	778.74	5	517.34	5	255.80	5	7.03	5		5			
1/4	1,556.36	1/4	1,294.90	1/4	1,033.35	1/4	773.29	1/4	511.89	1/4	250.35	1/4	4.31	1/4		1/4			
1/2	1,550.91	1/2	1,289.45	1/2	1,027.90	1/2	767.85	1/2	506.44	1/2	244.90	1/2	3.40	1/2		1/2			
3/4	1,545.47	3/4	1,284.00	3/4	1,022.45	3/4	762.40	3/4	500.99	3/4	239.45	3/4	2.49	3/4		3/4			
6	1,540.02	6	1,278.56	6	1,017.00	6	756.96	6	495.54	6	234.01	6	1.59	6		6			
1/4	1,534.58	1/4	1,273.11	1/4	1,011.55	1/4	751.52	1/4	490.09	1/4	228.56	1/4	0.68	1/4		1/4			
1/2	1,529.13	1/2	1,267.66	1/2	1,006.14	1/2	746.07	1/2	484.65	1/2	223.11	1/2		1/2		1/2			
3/4	1,523.69	3/4	1,262.21	3/4	1,000.72	3/4	740.63	3/4	479.20	3/4	217.66	3/4		3/4		3/4			
7	1,518.24	7	1,256.76	7	995.31	7	735.19	7	473.75	7	212.21	7		7		7			
1/4	1,512.79	1/4	1,251.31	1/4	989.90	1/4	729.74	1/4	468.30	1/4	206.76	1/4		1/4		1/4			
1/2	1,507.35	1/2	1,245.86	1/2	984.49	1/2	724.30	1/2	462.85	1/2	201.31	1/2		1/2		1/2			
3/4	1,501.90	3/4	1,240.41	3/4	979.07	3/4	718.85	3/4	457.40	3/4	195.86	3/4		3/4		3/4			
8	1,496.46	8	1,234.96	8	973.66	8	713.41	8	451.95	8	190.42	8		8		8			
1/4	1,491.01	1/4	1,229.51	1/4	968.25	1/4	707.97	1/4	446.50	1/4	184.97	1/4		1/4		1/4			
1/2	1,485.57	1/2	1,224.06	1/2	962.84	1/2	702.52	1/2	441.06	1/2	179.52	1/2		1/2		1/2			
3/4	1,480.12	3/4	1,218.62	3/4	957.42	3/4	697.08	3/4	435.61	3/4	174.07	3/4		3/4		3/4			
9	1,474.68	9	1,213.17	9	952.01	9	691.64	9	430.16	9	168.62	9		9		9			
1/4	1,469.23	1/4	1,207.72	1/4	946.60	1/4	686.19	1/4	424.71	1/4	163.17	1/4		1/4		1/4			
1/2	1,463.79	1/2	1,202.27	1/2	941.19	1/2	680.75	1/2	419.26	1/2	157.72	1/2		1/2		1/2			
3/4	1,458.34	3/4	1,196.82	3/4	935.77	3/4	675.31	3/4	413.81	3/4	152.28	3/4		3/4		3/4			
10	1,452.89	10	1,191.37	10	930.36	10	669.86	10	408.36	10	146.83	10		10		10			
1/4	1,447.45	1/4	1,185.92	1/4	924.95	1/4	664.42	1/4	402.92	1/4	141.38	1/4		1/4		1/4			
1/2	1,442.00	1/2	1,180.47	1/2	919.54	1/2	658.98	1/2	397.47	1/2	135.94	1/2		1/2		1/2			
3/4	1,436.56	3/4	1,175.02	3/4	914.12	3/4	653.53	3/4	392.02	3/4	130.49	3/4		3/4		3/4			
11	1,431.11	11	1,169.57	11	908.71	11	648.09	11	386.57	11	125.05	11		11		11			
1/4	1,425.67	1/4	1,164.12	1/4	903.30	1/4	642.65	1/4	381.12	1/4	119.61	1/4		1/4		1/4			
1/2	1,420.22	1/2	1,158.68	1/2	897.88	1/2	637.20	1/2	375.67	1/2	114.18	1/2		1/2		1/2			
3/4	1,414.78	3/4	1,153.23	3/4	892.47	3/4	631.75	3/4	370.22	3/4	108.74	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/10/2010 CL - SW
CALCULATED: 03/10/2010 CL
PRINTED: 03/10/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2010

PRECISION MEASUREMENT
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