



BARGE "KIRBY 10538"

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	00-5/8	- 00-5/8
3 CENTER	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4

(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 5, 2012

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

<http://www.pmacorp.net>



BARGE "KIRBY 10538"

1 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	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	3,762.01	0	3,528.42	0	3,275.47	0	3,022.53	0	2,759.48	0	2,463.74	0	2,167.39
1/4		1/4		1/4		1/4	3,760.98	1/4	3,523.15	1/4	3,270.20	1/4	3,017.26	1/4	2,753.32	1/4	2,457.57	1/4	2,161.22
1/2		1/2		1/2		1/2	3,757.88	1/2	3,517.88	1/2	3,264.93	1/2	3,011.99	1/2	2,747.17	1/2	2,451.39	1/2	2,155.04
3/4		3/4		3/4		3/4	3,754.78	3/4	3,512.61	3/4	3,259.66	3/4	3,006.72	3/4	2,741.01	3/4	2,445.22	3/4	2,148.87
1		1		1		1	3,751.68	1	3,507.34	1	3,254.39	1	3,001.45	1	2,734.85	1	2,439.04	1	2,142.70
1/4		1/4		1/4		1/4	3,748.58	1/4	3,502.07	1/4	3,249.13	1/4	2,996.18	1/4	2,728.70	1/4	2,432.87	1/4	2,136.52
1/2		1/2		1/2		1/2	3,744.43	1/2	3,496.80	1/2	3,243.86	1/2	2,990.91	1/2	2,722.54	1/2	2,426.70	1/2	2,130.35
3/4		3/4		3/4		3/4	3,740.28	3/4	3,491.53	3/4	3,238.59	3/4	2,985.64	3/4	2,716.39	3/4	2,420.52	3/4	2,124.18
2		2		2		2	3,736.13	2	3,486.26	2	3,233.32	2	2,980.37	2	2,710.23	2	2,414.35	2	2,118.00
1/4		1/4		1/4		1/4	3,731.98	1/4	3,480.99	1/4	3,228.05	1/4	2,975.10	1/4	2,704.08	1/4	2,408.17	1/4	2,111.83
1/2		1/2		1/2		1/2	3,726.84	1/2	3,475.72	1/2	3,222.78	1/2	2,969.83	1/2	2,697.92	1/2	2,402.00	1/2	2,105.65
3/4		3/4		3/4		3/4	3,721.71	3/4	3,470.45	3/4	3,217.51	3/4	2,964.56	3/4	2,691.77	3/4	2,395.83	3/4	2,099.48
3		3		3		3	3,716.57	3	3,465.18	3	3,212.24	3	2,959.29	3	2,685.61	3	2,389.65	3	2,093.31
1/4		1/4		1/4		1/4	3,711.44	1/4	3,459.91	1/4	3,206.97	1/4	2,954.02	1/4	2,679.46	1/4	2,383.48	1/4	2,087.13
1/2		1/2		1/2		1/2	3,706.27	1/2	3,454.64	1/2	3,201.70	1/2	2,948.75	1/2	2,673.30	1/2	2,377.31	1/2	2,080.96
3/4		3/4		3/4		3/4	3,701.09	3/4	3,449.37	3/4	3,196.43	3/4	2,943.48	3/4	2,667.15	3/4	2,371.13	3/4	2,074.78
4		4		4		4	3,695.92	4	3,444.10	4	3,191.16	4	2,938.21	4	2,660.99	4	2,364.96	4	2,068.61
1/4		1/4		1/4		1/4	3,690.75	1/4	3,438.83	1/4	3,185.89	1/4	2,932.94	1/4	2,654.83	1/4	2,358.78	1/4	2,062.44
1/2		1/2		1/2		1/2	3,685.57	1/2	3,433.56	1/2	3,180.62	1/2	2,927.67	1/2	2,648.68	1/2	2,352.61	1/2	2,056.26
3/4		3/4		3/4		3/4	3,680.38	3/4	3,428.29	3/4	3,175.35	3/4	2,922.40	3/4	2,642.52	3/4	2,346.44	3/4	2,050.09
5		5		5		5	3,675.20	5	3,423.03	5	3,170.08	5	2,917.13	5	2,636.37	5	2,340.26	5	2,043.91
1/4		1/4		1/4		1/4	3,670.01	1/4	3,417.76	1/4	3,164.81	1/4	2,911.86	1/4	2,630.21	1/4	2,334.09	1/4	2,037.74
1/2		1/2		1/2		1/2	3,664.83	1/2	3,412.49	1/2	3,159.54	1/2	2,906.59	1/2	2,624.06	1/2	2,327.91	1/2	2,031.57
3/4		3/4		3/4		3/4	3,659.64	3/4	3,407.22	3/4	3,154.27	3/4	2,901.32	3/4	2,617.90	3/4	2,321.74	3/4	2,025.39
6		6		6		6	3,654.46	6	3,401.95	6	3,149.00	6	2,896.06	6	2,611.75	6	2,315.57	6	2,019.22
1/4		1/4		1/4		1/4	3,649.28	1/4	3,396.68	1/4	3,143.73	1/4	2,890.79	1/4	2,605.59	1/4	2,309.39	1/4	2,013.05
1/2		1/2		1/2		1/2	3,644.09	1/2	3,391.41	1/2	3,138.46	1/2	2,885.52	1/2	2,599.44	1/2	2,303.22	1/2	2,006.87
3/4		3/4		3/4		3/4	3,638.91	3/4	3,386.14	3/4	3,133.19	3/4	2,880.25	3/4	2,593.28	3/4	2,297.04	3/4	2,000.70
7		7		7		7	3,633.73	7	3,380.87	7	3,127.92	7	2,874.98	7	2,587.13	7	2,290.87	7	1,994.52
1/4		1/4		1/4		1/4	3,628.54	1/4	3,375.60	1/4	3,122.65	1/4	2,869.71	1/4	2,580.97	1/4	2,284.70	1/4	1,988.35
1/2		1/2		1/2		1/2	3,623.27	1/2	3,370.33	1/2	3,117.38	1/2	2,864.41	1/2	2,574.81	1/2	2,278.52	1/2	1,982.18
3/4		3/4		3/4		3/4	3,618.00	3/4	3,365.06	3/4	3,112.11	3/4	2,859.12	3/4	2,568.66	3/4	2,272.35	3/4	1,976.00
8		8		8		8	3,612.73	8	3,359.79	8	3,106.84	8	2,853.82	8	2,562.50	8	2,266.18	8	1,969.83
1/4		1/4		1/4		1/4	3,607.46	1/4	3,354.52	1/4	3,101.57	1/4	2,848.53	1/4	2,556.35	1/4	2,260.00	1/4	1,963.65
1/2		1/2		1/2		1/2	3,602.20	1/2	3,349.25	1/2	3,096.30	1/2	2,843.23	1/2	2,550.17	1/2	2,253.83	1/2	1,957.48
3/4		3/4		3/4		3/4	3,596.93	3/4	3,343.98	3/4	3,091.03	3/4	2,837.94	3/4	2,544.00	3/4	2,247.65	3/4	1,951.31
9		9		9		9	3,591.66	9	3,338.71	9	3,085.76	9	2,832.64	9	2,537.83	9	2,241.48	9	1,945.13
1/4		1/4		1/4		1/4	3,586.39	1/4	3,333.44	1/4	3,080.49	1/4	2,827.35	1/4	2,531.65	1/4	2,235.31	1/4	1,938.96
1/2		1/2		1/2		1/2	3,581.12	1/2	3,328.17	1/2	3,075.23	1/2	2,821.15	1/2	2,525.48	1/2	2,229.13	1/2	1,932.78
3/4		3/4		3/4		3/4	3,575.85	3/4	3,322.90	3/4	3,069.96	3/4	2,814.96	3/4	2,519.30	3/4	2,222.96	3/4	1,926.61
10		10		10		10	3,570.58	10	3,317.63	10	3,064.69	10	2,808.76	10	2,513.13	10	2,216.78	10	1,920.44
1/4		1/4		1/4		1/4	3,565.31	1/4	3,312.36	1/4	3,059.42	1/4	2,802.56	1/4	2,506.96	1/4	2,210.61	1/4	1,914.26
1/2		1/2		1/2		1/2	3,560.04	1/2	3,307.09	1/2	3,054.15	1/2	2,796.41	1/2	2,500.78	1/2	2,204.44	1/2	1,908.09
3/4		3/4		3/4		3/4	3,554.77	3/4	3,301.82	3/4	3,048.88	3/4	2,790.25	3/4	2,494.61	3/4	2,198.26	3/4	1,901.91
11		11		11		11	3,549.50	11	3,296.55	11	3,043.61	11	2,784.10	11	2,488.44	11	2,192.09	11	1,895.74
1/4		1/4		1/4	3,765.11	1/4	3,544.23	1/4	3,291.28	1/4	3,038.34	1/4	2,777.94	1/4	2,482.26	1/4	2,185.91	1/4	1,889.57
1/2		1/2		1/2	3,764.08	1/2	3,538.96	1/2	3,286.01	1/2	3,033.07	1/2	2,771.79	1/2	2,476.09	1/2	2,179.74	1/2	1,883.39
3/4		3/4		3/4	3,763.04	3/4	3,533.69	3/4	3,280.74	3/4	3,027.80	3/4	2,765.63	3/4	2,469.91	3/4	2,173.57	3/4	1,877.22

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 32'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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BARGE "KIRBY 10538"

1 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	1,871.05	0	1,574.44	0	1,277.68	0	980.92	0	690.23	0	393.29	0	96.41	0		0		0	
1/4	1,864.87	1/4	1,568.25	1/4	1,271.49	1/4	974.73	1/4	684.06	1/4	387.10	1/4	90.25	1/4	1/4	1/4		1/4	
1/2	1,858.70	1/2	1,562.07	1/2	1,265.31	1/2	968.61	1/2	677.87	1/2	380.91	1/2	84.13	1/2	1/2	1/2		1/2	
3/4	1,852.52	3/4	1,555.89	3/4	1,259.13	3/4	962.49	3/4	671.69	3/4	374.73	3/4	78.00	3/4	3/4	3/4		3/4	
1	1,846.35	1	1,549.71	1	1,252.95	1	956.38	1	665.50	1	368.54	1	71.87	1	1	1		1	
1/4	1,840.18	1/4	1,543.52	1/4	1,246.76	1/4	950.26	1/4	659.32	1/4	362.35	1/4	65.74	1/4	1/4	1/4		1/4	
1/2	1,834.00	1/2	1,537.34	1/2	1,240.58	1/2	944.20	1/2	653.13	1/2	356.16	1/2	59.67	1/2	1/2	1/2		1/2	
3/4	1,827.83	3/4	1,531.16	3/4	1,234.40	3/4	938.14	3/4	646.94	3/4	349.98	3/4	53.60	3/4	3/4	3/4		3/4	
2	1,821.65	2	1,524.98	2	1,228.22	2	932.09	2	640.76	2	343.79	2	47.53	2	2	2		2	
1/4	1,815.48	1/4	1,518.79	1/4	1,222.03	1/4	926.03	1/4	634.57	1/4	337.60	1/4	41.46	1/4	1/4	1/4		1/4	
1/2	1,809.30	1/2	1,512.61	1/2	1,215.85	1/2	919.97	1/2	628.38	1/2	331.42	1/2	36.31	1/2	1/2	1/2		1/2	
3/4	1,803.12	3/4	1,506.43	3/4	1,209.67	3/4	913.92	3/4	622.20	3/4	325.23	3/4	31.15	3/4	3/4	3/4		3/4	
3	1,796.93	3	1,500.25	3	1,203.49	3	907.86	3	616.01	3	319.04	3	25.99	3	3	3		3	
1/4	1,790.75	1/4	1,494.06	1/4	1,197.30	1/4	901.81	1/4	609.82	1/4	312.86	1/4	20.84	1/4	1/4	1/4		1/4	
1/2	1,784.57	1/2	1,487.88	1/2	1,191.12	1/2	895.77	1/2	603.64	1/2	306.67	1/2	17.74	1/2	1/2	1/2		1/2	
3/4	1,778.39	3/4	1,481.70	3/4	1,184.94	3/4	889.73	3/4	597.45	3/4	300.48	3/4	14.64	3/4	3/4	3/4		3/4	
4	1,772.20	4	1,475.52	4	1,178.76	4	883.69	4	591.26	4	294.30	4	11.54	4	4	4		4	
1/4	1,766.02	1/4	1,469.33	1/4	1,172.57	1/4	877.65	1/4	585.08	1/4	288.11	1/4	8.44	1/4	1/4	1/4		1/4	
1/2	1,759.84	1/2	1,463.15	1/2	1,166.39	1/2	871.62	1/2	578.89	1/2	281.92	1/2	7.41	1/2	1/2	1/2		1/2	
3/4	1,753.66	3/4	1,456.97	3/4	1,160.21	3/4	865.60	3/4	572.70	3/4	275.74	3/4	6.38	3/4	3/4	3/4		3/4	
5	1,747.48	5	1,450.79	5	1,154.03	5	859.58	5	566.52	5	269.55	5	5.34	5	5	5		5	
1/4	1,741.29	1/4	1,444.60	1/4	1,147.84	1/4	853.55	1/4	560.33	1/4	263.36	1/4	4.31	1/4	1/4	1/4		1/4	
1/2	1,735.11	1/2	1,438.42	1/2	1,141.66	1/2	847.53	1/2	554.14	1/2	257.18	1/2		1/2	1/2	1/2		1/2	
3/4	1,728.93	3/4	1,432.24	3/4	1,135.48	3/4	841.51	3/4	547.96	3/4	250.99	3/4		3/4	3/4	3/4		3/4	
6	1,722.75	6	1,426.06	6	1,129.30	6	835.48	6	541.77	6	244.80	6		6	6	6		6	
1/4	1,716.57	1/4	1,419.87	1/4	1,123.11	1/4	829.46	1/4	535.58	1/4	238.62	1/4		1/4	1/4	1/4		1/4	
1/2	1,710.39	1/2	1,413.69	1/2	1,116.93	1/2	823.44	1/2	529.40	1/2	232.43	1/2		1/2	1/2	1/2		1/2	
3/4	1,704.21	3/4	1,407.51	3/4	1,110.75	3/4	817.41	3/4	523.21	3/4	226.24	3/4		3/4	3/4	3/4		3/4	
7	1,698.03	7	1,401.33	7	1,104.57	7	811.39	7	517.02	7	220.06	7		7	7	7		7	
1/4	1,691.85	1/4	1,395.14	1/4	1,098.38	1/4	805.36	1/4	510.83	1/4	213.87	1/4		1/4	1/4	1/4		1/4	
1/2	1,685.67	1/2	1,388.96	1/2	1,092.20	1/2	799.34	1/2	504.65	1/2	207.68	1/2		1/2	1/2	1/2		1/2	
3/4	1,679.49	3/4	1,382.78	3/4	1,086.02	3/4	793.32	3/4	498.46	3/4	201.49	3/4		3/4	3/4	3/4		3/4	
8	1,673.31	8	1,376.60	8	1,079.84	8	787.29	8	492.27	8	195.31	8		8	8	8		8	
1/4	1,667.14	1/4	1,370.41	1/4	1,073.65	1/4	781.27	1/4	486.09	1/4	189.12	1/4		1/4	1/4	1/4		1/4	
1/2	1,660.96	1/2	1,364.23	1/2	1,067.47	1/2	775.25	1/2	479.90	1/2	182.94	1/2		1/2	1/2	1/2		1/2	
3/4	1,654.78	3/4	1,358.05	3/4	1,061.29	3/4	769.22	3/4	473.71	3/4	176.75	3/4		3/4	3/4	3/4		3/4	
9	1,648.60	9	1,351.87	9	1,055.11	9	763.20	9	467.53	9	170.56	9		9	9	9		9	
1/4	1,642.42	1/4	1,345.68	1/4	1,048.92	1/4	757.18	1/4	461.34	1/4	164.38	1/4		1/4	1/4	1/4		1/4	
1/2	1,636.24	1/2	1,339.50	1/2	1,042.74	1/2	751.15	1/2	455.15	1/2	158.18	1/2		1/2	1/2	1/2		1/2	
3/4	1,630.06	3/4	1,333.32	3/4	1,036.56	3/4	745.13	3/4	448.97	3/4	151.99	3/4		3/4	3/4	3/4		3/4	
10	1,623.88	10	1,327.14	10	1,030.38	10	739.11	10	442.78	10	145.80	10		10	10	10		10	
1/4	1,617.70	1/4	1,320.95	1/4	1,024.19	1/4	733.08	1/4	436.59	1/4	139.61	1/4		1/4	1/4	1/4		1/4	
1/2	1,611.52	1/2	1,314.77	1/2	1,018.01	1/2	727.00	1/2	430.41	1/2	133.43	1/2		1/2	1/2	1/2		1/2	
3/4	1,605.34	3/4	1,308.59	3/4	1,011.83	3/4	720.91	3/4	424.22	3/4	127.25	3/4		3/4	3/4	3/4		3/4	
11	1,599.16	11	1,302.41	11	1,005.65	11	714.82	11	418.03	11	121.07	11		11	11	11		11	
1/4	1,592.98	1/4	1,296.22	1/4	999.46	1/4	708.73	1/4	411.85	1/4	114.89	1/4		1/4	1/4	1/4		1/4	
1/2	1,586.80	1/2	1,290.04	1/2	993.28	1/2	702.57	1/2	405.66	1/2	108.73	1/2		1/2	1/2	1/2		1/2	
3/4	1,580.62	3/4	1,283.86	3/4	987.10	3/4	696.40	3/4	399.47	3/4	102.57	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/05/2012 CL - SW
CALCULATED: 07/05/2012 CL
PRINTED: 07/05/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2012

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



BARGE "KIRBY 10538"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 1/4"

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		0	3,246.54	0	2,985.29	0	2,724.05	0	2,462.36	0	2,199.72	0	1,937.08
1/4		1/4		1/4		1/4	3,467.19	1/4	3,241.09	1/4	2,979.85	1/4	2,718.60	1/4	2,456.89	1/4	2,194.25	1/4	1,931.61
1/2		1/2		1/2		1/2	3,466.28	1/2	3,235.65	1/2	2,974.41	1/2	2,713.16	1/2	2,451.42	1/2	2,188.78	1/2	1,926.14
3/4		3/4		3/4		3/4	3,465.37	3/4	3,230.21	3/4	2,968.96	3/4	2,707.72	3/4	2,445.95	3/4	2,183.31	3/4	1,920.67
1		1		1		1	3,464.46	1	3,224.76	1	2,963.52	1	2,702.28	1	2,440.48	1	2,177.84	1	1,915.19
1/4		1/4		1/4		1/4	3,463.54	1/4	3,219.32	1/4	2,958.08	1/4	2,696.83	1/4	2,435.01	1/4	2,172.36	1/4	1,909.72
1/2		1/2		1/2		1/2	3,460.81	1/2	3,213.88	1/2	2,952.63	1/2	2,691.39	1/2	2,429.53	1/2	2,166.89	1/2	1,904.25
3/4		3/4		3/4		3/4	3,458.07	3/4	3,208.44	3/4	2,947.19	3/4	2,685.95	3/4	2,424.06	3/4	2,161.42	3/4	1,898.78
2		2		2		2	3,455.33	2	3,202.99	2	2,941.75	2	2,680.50	2	2,418.59	2	2,155.95	2	1,893.31
1/4		1/4		1/4		1/4	3,452.59	1/4	3,197.55	1/4	2,936.31	1/4	2,675.06	1/4	2,413.12	1/4	2,150.48	1/4	1,887.84
1/2		1/2		1/2		1/2	3,448.16	1/2	3,192.11	1/2	2,930.86	1/2	2,669.62	1/2	2,407.65	1/2	2,145.01	1/2	1,882.36
3/4		3/4		3/4		3/4	3,443.73	3/4	3,186.67	3/4	2,925.42	3/4	2,664.18	3/4	2,402.18	3/4	2,139.53	3/4	1,876.89
3		3		3		3	3,439.29	3	3,181.22	3	2,919.98	3	2,658.73	3	2,396.70	3	2,134.06	3	1,871.42
1/4		1/4		1/4		1/4	3,434.86	1/4	3,175.78	1/4	2,914.54	1/4	2,653.29	1/4	2,391.23	1/4	2,128.59	1/4	1,865.95
1/2		1/2		1/2		1/2	3,429.56	1/2	3,170.34	1/2	2,909.09	1/2	2,647.85	1/2	2,385.76	1/2	2,123.12	1/2	1,860.48
3/4		3/4		3/4		3/4	3,424.25	3/4	3,164.90	3/4	2,903.65	3/4	2,642.41	3/4	2,380.29	3/4	2,117.65	3/4	1,855.01
4		4		4		4	3,418.95	4	3,159.45	4	2,898.21	4	2,636.96	4	2,374.82	4	2,112.18	4	1,849.53
1/4		1/4		1/4		1/4	3,413.65	1/4	3,154.01	1/4	2,892.77	1/4	2,631.52	1/4	2,369.35	1/4	2,106.70	1/4	1,844.06
1/2		1/2		1/2		1/2	3,408.31	1/2	3,148.57	1/2	2,887.32	1/2	2,626.08	1/2	2,363.87	1/2	2,101.23	1/2	1,838.59
3/4		3/4		3/4		3/4	3,402.98	3/4	3,143.13	3/4	2,881.88	3/4	2,620.64	3/4	2,358.40	3/4	2,095.76	3/4	1,833.12
5		5		5		5	3,397.64	5	3,137.68	5	2,876.44	5	2,615.19	5	2,352.93	5	2,090.29	5	1,827.65
1/4		1/4		1/4		1/4	3,392.31	1/4	3,132.24	1/4	2,871.00	1/4	2,609.75	1/4	2,347.46	1/4	2,084.82	1/4	1,822.18
1/2		1/2		1/2		1/2	3,386.96	1/2	3,126.80	1/2	2,865.55	1/2	2,604.31	1/2	2,341.99	1/2	2,079.35	1/2	1,816.70
3/4		3/4		3/4		3/4	3,381.61	3/4	3,121.36	3/4	2,860.11	3/4	2,598.87	3/4	2,336.52	3/4	2,073.87	3/4	1,811.23
6		6		6		6	3,376.27	6	3,115.91	6	2,854.67	6	2,593.42	6	2,331.04	6	2,068.40	6	1,805.76
1/4		1/4		1/4		1/4	3,370.92	1/4	3,110.47	1/4	2,849.23	1/4	2,587.98	1/4	2,325.57	1/4	2,062.93	1/4	1,800.29
1/2		1/2		1/2		1/2	3,365.58	1/2	3,105.03	1/2	2,843.78	1/2	2,582.54	1/2	2,320.10	1/2	2,057.46	1/2	1,794.82
3/4		3/4		3/4		3/4	3,360.23	3/4	3,099.59	3/4	2,838.34	3/4	2,577.10	3/4	2,314.63	3/4	2,051.99	3/4	1,789.35
7		7		7		7	3,354.89	7	3,094.14	7	2,832.90	7	2,571.65	7	2,309.16	7	2,046.52	7	1,783.87
1/4		1/4		1/4		1/4	3,349.55	1/4	3,088.70	1/4	2,827.46	1/4	2,566.21	1/4	2,303.69	1/4	2,041.04	1/4	1,778.40
1/2		1/2		1/2		1/2	3,344.20	1/2	3,083.26	1/2	2,822.01	1/2	2,560.77	1/2	2,298.21	1/2	2,035.57	1/2	1,772.93
3/4		3/4		3/4		3/4	3,338.86	3/4	3,077.81	3/4	2,816.57	3/4	2,555.33	3/4	2,292.74	3/4	2,030.10	3/4	1,767.46
8		8		8		8	3,333.52	8	3,072.37	8	2,811.13	8	2,549.88	8	2,287.27	8	2,024.63	8	1,761.99
1/4		1/4		1/4		1/4	3,328.17	1/4	3,066.93	1/4	2,805.68	1/4	2,544.44	1/4	2,281.80	1/4	2,019.16	1/4	1,756.52
1/2		1/2		1/2		1/2	3,322.73	1/2	3,061.49	1/2	2,800.24	1/2	2,538.97	1/2	2,276.33	1/2	2,013.68	1/2	1,751.04
3/4		3/4		3/4		3/4	3,317.29	3/4	3,056.04	3/4	2,794.80	3/4	2,533.50	3/4	2,270.85	3/4	2,008.21	3/4	1,745.57
9		9		9		9	3,311.85	9	3,050.60	9	2,789.36	9	2,528.02	9	2,265.38	9	2,002.74	9	1,740.10
1/4		1/4		1/4		1/4	3,306.40	1/4	3,045.16	1/4	2,783.91	1/4	2,522.55	1/4	2,259.91	1/4	1,997.27	1/4	1,734.63
1/2		1/2		1/2		1/2	3,300.96	1/2	3,039.72	1/2	2,778.47	1/2	2,517.08	1/2	2,254.44	1/2	1,991.80	1/2	1,729.16
3/4		3/4		3/4		3/4	3,295.52	3/4	3,034.27	3/4	2,773.03	3/4	2,511.61	3/4	2,248.97	3/4	1,986.33	3/4	1,723.68
10		10		10		10	3,290.08	10	3,028.83	10	2,767.59	10	2,506.14	10	2,243.50	10	1,980.85	10	1,718.21
1/4		1/4		1/4		1/4	3,284.63	1/4	3,023.39	1/4	2,762.14	1/4	2,500.67	1/4	2,238.02	1/4	1,975.38	1/4	1,712.74
1/2		1/2		1/2		1/2	3,279.19	1/2	3,017.95	1/2	2,756.70	1/2	2,495.19	1/2	2,232.55	1/2	1,969.91	1/2	1,707.27
3/4		3/4		3/4		3/4	3,273.75	3/4	3,012.50	3/4	2,751.26	3/4	2,489.72	3/4	2,227.08	3/4	1,964.44	3/4	1,701.80
11		11		11		11	3,268.31	11	3,007.06	11	2,745.82	11	2,484.25	11	2,221.61	11	1,958.97	11	1,696.33
1/4		1/4		1/4		1/4	3,262.86	1/4	3,001.62	1/4	2,740.37	1/4	2,478.78	1/4	2,216.14	1/4	1,953.50	1/4	1,690.85
1/2		1/2		1/2		1/2	3,257.42	1/2	2,996.18	1/2	2,734.93	1/2	2,473.31	1/2	2,210.67	1/2	1,948.02	1/2	1,685.38
3/4		3/4		3/4		3/4	3,251.98	3/4	2,990.73	3/4	2,729.49	3/4	2,467.84	3/4	2,205.19	3/4	1,942.55	3/4	1,679.91

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.

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 10538"

2 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	1,674.44	0	1,411.80	0	1,148.99	0	887.96	0	629.26	0	366.52	0	103.80	0		0		0	
1/4	1,668.97	1/4	1,406.33	1/4	1,143.52	1/4	882.57	1/4	623.83	1/4	361.04	1/4	98.35	1/4	1/4		1/4		1/4
1/2	1,663.50	1/2	1,400.85	1/2	1,138.04	1/2	877.18	1/2	618.36	1/2	355.57	1/2	92.91	1/2	1/2		1/2		1/2
3/4	1,658.02	3/4	1,395.38	3/4	1,132.57	3/4	871.79	3/4	612.88	3/4	350.10	3/4	87.47	3/4	3/4		3/4		3/4
1	1,652.55	1	1,389.90	1	1,127.09	1	866.40	1	607.41	1	344.62	1	82.03	1	1		1		1
1/4	1,647.08	1/4	1,384.43	1/4	1,121.62	1/4	861.01	1/4	601.94	1/4	339.15	1/4	76.59	1/4	1/4		1/4		1/4
1/2	1,641.61	1/2	1,378.95	1/2	1,116.14	1/2	855.61	1/2	596.46	1/2	333.67	1/2	71.17	1/2	1/2		1/2		1/2
3/4	1,636.14	3/4	1,373.48	3/4	1,110.67	3/4	850.22	3/4	590.99	3/4	328.20	3/4	65.76	3/4	3/4		3/4		3/4
2	1,630.67	2	1,368.00	2	1,105.19	2	844.83	2	585.51	2	322.72	2	60.35	2	2		2		2
1/4	1,625.19	1/4	1,362.52	1/4	1,099.72	1/4	839.44	1/4	580.04	1/4	317.25	1/4	54.94	1/4	1/4		1/4		1/4
1/2	1,619.72	1/2	1,357.05	1/2	1,094.24	1/2	834.05	1/2	574.56	1/2	311.77	1/2	49.58	1/2	1/2		1/2		1/2
3/4	1,614.25	3/4	1,351.57	3/4	1,088.76	3/4	828.66	3/4	569.09	3/4	306.30	3/4	44.22	3/4	3/4		3/4		3/4
3	1,608.78	3	1,346.10	3	1,083.29	3	823.27	3	563.61	3	300.82	3	38.85	3	3		3		3
1/4	1,603.31	1/4	1,340.62	1/4	1,077.81	1/4	817.88	1/4	558.14	1/4	295.35	1/4	33.49	1/4	1/4		1/4		1/4
1/2	1,597.84	1/2	1,335.15	1/2	1,072.34	1/2	812.50	1/2	552.66	1/2	289.87	1/2	28.94	1/2	1/2		1/2		1/2
3/4	1,592.36	3/4	1,329.67	3/4	1,066.86	3/4	807.11	3/4	547.19	3/4	284.40	3/4	24.38	3/4	3/4		3/4		3/4
4	1,586.89	4	1,324.20	4	1,061.39	4	801.73	4	541.71	4	278.92	4	19.83	4	4		4		4
1/4	1,581.42	1/4	1,318.72	1/4	1,055.91	1/4	796.34	1/4	536.24	1/4	273.45	1/4	15.27	1/4	1/4		1/4		1/4
1/2	1,575.95	1/2	1,313.25	1/2	1,050.44	1/2	790.96	1/2	530.76	1/2	267.97	1/2	12.54	1/2	1/2		1/2		1/2
3/4	1,570.48	3/4	1,307.77	3/4	1,044.96	3/4	785.57	3/4	525.29	3/4	262.50	3/4	9.80	3/4	3/4		3/4		3/4
5	1,565.01	5	1,302.30	5	1,039.49	5	780.18	5	519.81	5	257.02	5	7.06	5	5		5		5
1/4	1,559.53	1/4	1,296.82	1/4	1,034.01	1/4	774.80	1/4	514.34	1/4	251.55	1/4	4.33	1/4	1/4		1/4		1/4
1/2	1,554.06	1/2	1,291.35	1/2	1,028.54	1/2	769.41	1/2	508.86	1/2	246.07	1/2	3.41	1/2	1/2		1/2		1/2
3/4	1,548.59	3/4	1,285.87	3/4	1,023.06	3/4	764.03	3/4	503.39	3/4	240.60	3/4	2.50	3/4	3/4		3/4		3/4
6	1,543.12	6	1,280.40	6	1,017.59	6	758.64	6	497.91	6	235.12	6	1.59	6	6		6		6
1/4	1,537.65	1/4	1,274.92	1/4	1,012.11	1/4	753.26	1/4	492.44	1/4	229.65	1/4	0.68	1/4	1/4		1/4		1/4
1/2	1,532.18	1/2	1,269.45	1/2	1,006.68	1/2	747.87	1/2	486.97	1/2	224.17	1/2		1/2	1/2		1/2		1/2
3/4	1,526.70	3/4	1,263.97	3/4	1,001.24	3/4	742.49	3/4	481.49	3/4	218.70	3/4		3/4	3/4		3/4		3/4
7	1,521.23	7	1,258.50	7	995.81	7	737.10	7	476.02	7	213.23	7		7	7		7		7
1/4	1,515.76	1/4	1,253.02	1/4	990.38	1/4	731.72	1/4	470.54	1/4	207.75	1/4		1/4	1/4		1/4		1/4
1/2	1,510.29	1/2	1,247.55	1/2	984.99	1/2	726.33	1/2	465.07	1/2	202.28	1/2		1/2	1/2		1/2		1/2
3/4	1,504.82	3/4	1,242.07	3/4	979.60	3/4	720.95	3/4	459.59	3/4	196.80	3/4		3/4	3/4		3/4		3/4
8	1,499.35	8	1,236.60	8	974.21	8	715.56	8	454.12	8	191.33	8		8	8		8		8
1/4	1,493.87	1/4	1,231.12	1/4	968.82	1/4	710.18	1/4	448.64	1/4	185.85	1/4		1/4	1/4		1/4		1/4
1/2	1,488.40	1/2	1,225.64	1/2	963.42	1/2	704.79	1/2	443.17	1/2	180.38	1/2		1/2	1/2		1/2		1/2
3/4	1,482.93	3/4	1,220.17	3/4	958.03	3/4	699.41	3/4	437.69	3/4	174.90	3/4		3/4	3/4		3/4		3/4
9	1,477.46	9	1,214.69	9	952.64	9	694.02	9	432.22	9	169.43	9		9	9		9		9
1/4	1,471.99	1/4	1,209.22	1/4	947.25	1/4	688.64	1/4	426.74	1/4	163.95	1/4		1/4	1/4		1/4		1/4
1/2	1,466.51	1/2	1,203.74	1/2	941.86	1/2	683.25	1/2	421.27	1/2	158.48	1/2		1/2	1/2		1/2		1/2
3/4	1,461.04	3/4	1,198.27	3/4	936.47	3/4	677.87	3/4	415.79	3/4	153.00	3/4		3/4	3/4		3/4		3/4
10	1,455.57	10	1,192.79	10	931.08	10	672.48	10	410.32	10	147.53	10		10	10		10		10
1/4	1,450.10	1/4	1,187.32	1/4	925.69	1/4	667.10	1/4	404.84	1/4	142.06	1/4		1/4	1/4		1/4		1/4
1/2	1,444.63	1/2	1,181.84	1/2	920.30	1/2	661.71	1/2	399.37	1/2	136.59	1/2		1/2	1/2		1/2		1/2
3/4	1,439.16	3/4	1,176.37	3/4	914.91	3/4	656.33	3/4	393.89	3/4	131.12	3/4		3/4	3/4		3/4		3/4
11	1,433.68	11	1,170.89	11	909.52	11	650.94	11	388.42	11	125.65	11		11	11		11		11
1/4	1,428.21	1/4	1,165.42	1/4	904.13	1/4	645.56	1/4	382.94	1/4	120.18	1/4		1/4	1/4		1/4		1/4
1/2	1,422.74	1/2	1,159.94	1/2	898.74	1/2	640.13	1/2	377.47	1/2	114.72	1/2		1/2	1/2		1/2		1/2
3/4	1,417.27	3/4	1,154.47	3/4	893.35	3/4	634.69	3/4	371.99	3/4	109.26	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/05/2012 CL - SW
CALCULATED: 07/05/2012 CL
PRINTED: 07/05/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2012

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



BARGE "KIRBY 10538"

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	3,455.48	0	3,225.86	0	2,965.76	0	2,705.66	0	2,445.07	0	2,183.56	0	1,922.06
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,454.57	1/4	3,220.44	1/4	2,960.34	1/4	2,700.25	1/4	2,439.62	1/4	2,178.12	1/4	1,916.61
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,453.66	1/2	3,215.02	1/2	2,954.92	1/2	2,694.83	1/2	2,434.17	1/2	2,172.67	1/2	1,911.16
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,452.75	3/4	3,209.60	3/4	2,949.51	3/4	2,689.41	3/4	2,428.72	3/4	2,167.22	3/4	1,905.72
1		1		1		1	3,450.03	1	3,204.18	1	2,944.09	1	2,683.99	1	2,423.28	1	2,161.77	1	1,900.27
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,447.30	1/4	3,198.77	1/4	2,938.67	1/4	2,678.57	1/4	2,417.83	1/4	2,156.32	1/4	1,894.82
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,444.58	1/2	3,193.35	1/2	2,933.25	1/2	2,673.15	1/2	2,412.38	1/2	2,150.88	1/2	1,889.37
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,441.85	3/4	3,187.93	3/4	2,927.83	3/4	2,667.73	3/4	2,406.93	3/4	2,145.43	3/4	1,883.92
2		2		2		2	3,437.44	2	3,182.51	2	2,922.41	2	2,662.31	2	2,401.48	2	2,139.98	2	1,878.48
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,433.03	1/4	3,177.09	1/4	2,916.99	1/4	2,656.90	1/4	2,396.04	1/4	2,134.53	1/4	1,873.03
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,428.61	1/2	3,171.67	1/2	2,911.58	1/2	2,651.48	1/2	2,390.59	1/2	2,129.08	1/2	1,867.58
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,424.20	3/4	3,166.25	3/4	2,906.16	3/4	2,646.06	3/4	2,385.14	3/4	2,123.64	3/4	1,862.13
3		3		3		3	3,418.92	3	3,160.84	3	2,900.74	3	2,640.64	3	2,379.69	3	2,118.19	3	1,856.68
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,413.64	1/4	3,155.42	1/4	2,895.32	1/4	2,635.22	1/4	2,374.24	1/4	2,112.74	1/4	1,851.24
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,408.36	1/2	3,150.00	1/2	2,889.90	1/2	2,629.80	1/2	2,368.80	1/2	2,107.29	1/2	1,845.79
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,403.08	3/4	3,144.58	3/4	2,884.48	3/4	2,624.38	3/4	2,363.35	3/4	2,101.84	3/4	1,840.34
4		4		4		4	3,397.77	4	3,139.16	4	2,879.06	4	2,618.97	4	2,357.90	4	2,096.40	4	1,834.89
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,392.46	1/4	3,133.74	1/4	2,873.64	1/4	2,613.55	1/4	2,352.45	1/4	2,090.95	1/4	1,829.44
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,387.15	1/2	3,128.32	1/2	2,868.23	1/2	2,608.13	1/2	2,347.00	1/2	2,085.50	1/2	1,824.00
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,381.84	3/4	3,122.90	3/4	2,862.81	3/4	2,602.71	3/4	2,341.56	3/4	2,080.05	3/4	1,818.55
5		5		5		5	3,376.51	5	3,117.49	5	2,857.39	5	2,597.29	5	2,336.11	5	2,074.60	5	1,813.10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,371.19	1/4	3,112.07	1/4	2,851.97	1/4	2,591.87	1/4	2,330.66	1/4	2,069.16	1/4	1,807.65
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,365.86	1/2	3,106.65	1/2	2,846.55	1/2	2,586.45	1/2	2,325.21	1/2	2,063.71	1/2	1,802.20
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,360.54	3/4	3,101.23	3/4	2,841.13	3/4	2,581.03	3/4	2,319.76	3/4	2,058.26	3/4	1,796.76
6		6		6		6	3,355.22	6	3,095.81	6	2,835.71	6	2,575.62	6	2,314.32	6	2,052.81	6	1,791.31
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,349.90	1/4	3,090.39	1/4	2,830.29	1/4	2,570.20	1/4	2,308.87	1/4	2,047.36	1/4	1,785.86
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,344.58	1/2	3,084.97	1/2	2,824.88	1/2	2,564.78	1/2	2,303.42	1/2	2,041.92	1/2	1,780.41
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,339.26	3/4	3,079.55	3/4	2,819.46	3/4	2,559.36	3/4	2,297.97	3/4	2,036.47	3/4	1,774.96
7		7		7		7	3,333.94	7	3,074.14	7	2,814.04	7	2,553.94	7	2,292.52	7	2,031.02	7	1,769.52
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,328.62	1/4	3,068.72	1/4	2,808.62	1/4	2,548.52	1/4	2,287.08	1/4	2,025.57	1/4	1,764.07
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,323.30	1/2	3,063.30	1/2	2,803.20	1/2	2,543.10	1/2	2,281.63	1/2	2,020.12	1/2	1,758.62
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,317.98	3/4	3,057.88	3/4	2,797.78	3/4	2,537.68	3/4	2,276.18	3/4	2,014.68	3/4	1,753.17
8		8		8		8	3,312.56	8	3,052.46	8	2,792.36	8	2,532.24	8	2,270.73	8	2,009.23	8	1,747.72
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,307.14	1/4	3,047.04	1/4	2,786.94	1/4	2,526.79	1/4	2,265.28	1/4	2,003.78	1/4	1,742.28
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,301.72	1/2	3,041.62	1/2	2,781.53	1/2	2,521.34	1/2	2,259.84	1/2	1,998.33	1/2	1,736.83
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,296.30	3/4	3,036.21	3/4	2,776.11	3/4	2,515.89	3/4	2,254.39	3/4	1,992.88	3/4	1,731.38
9		9		9		9	3,290.88	9	3,030.79	9	2,770.69	9	2,510.44	9	2,248.94	9	1,987.44	9	1,725.93
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,285.47	1/4	3,025.37	1/4	2,765.27	1/4	2,505.00	1/4	2,243.49	1/4	1,981.99	1/4	1,720.48
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,280.05	1/2	3,019.95	1/2	2,759.85	1/2	2,499.55	1/2	2,238.04	1/2	1,976.54	1/2	1,715.04
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,274.63	3/4	3,014.53	3/4	2,754.43	3/4	2,494.10	3/4	2,232.60	3/4	1,971.09	3/4	1,709.59
10		10		10		10	3,269.21	10	3,009.11	10	2,749.01	10	2,488.65	10	2,227.15	10	1,965.64	10	1,704.14
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,263.79	1/4	3,003.69	1/4	2,743.60	1/4	2,483.20	1/4	2,221.70	1/4	1,960.20	1/4	1,698.69
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,258.37	1/2	2,998.27	1/2	2,738.18	1/2	2,477.76	1/2	2,216.25	1/2	1,954.75	1/2	1,693.24
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,252.95	3/4	2,992.86	3/4	2,732.76	3/4	2,472.31	3/4	2,210.80	3/4	1,949.30	3/4	1,687.80
11		11		11		11	3,247.53	11	2,987.44	11	2,727.34	11	2,466.86	11	2,205.36	11	1,943.85	11	1,682.35
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,242.12	1/4	2,982.02	1/4	2,721.92	1/4	2,461.41	1/4	2,199.91	1/4	1,938.40	1/4	1,676.90
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,236.70	1/2	2,976.60	1/2	2,716.50	1/2	2,455.96	1/2	2,194.46	1/2	1,932.96	1/2	1,671.45
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,456.39	3/4	3,231.28	3/4	2,971.18	3/4	2,711.08	3/4	2,450.52	3/4	2,189.01	3/4	1,927.51

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'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 10538"

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	1,660.56	0	1,399.05	0	1,137.38	0	876.62	0	615.68	0	354.03	0	92.51	0		0		0	
1/4	1,655.11	1/4	1,393.60	1/4	1,131.93	1/4	871.21	1/4	610.23	1/4	348.58	1/4	87.09	1/4	1/4	1/4		1/4	1/4
1/2	1,649.66	1/2	1,388.15	1/2	1,126.48	1/2	865.79	1/2	604.78	1/2	343.13	1/2	81.67	1/2	1/2	1/2		1/2	1/2
3/4	1,644.21	3/4	1,382.70	3/4	1,121.03	3/4	860.38	3/4	599.33	3/4	337.68	3/4	76.26	3/4	3/4	3/4		3/4	3/4
1	1,638.76	1	1,377.24	1	1,115.58	1	854.96	1	593.87	1	332.23	1	70.87	1	1	1		1	1
1/4	1,633.32	1/4	1,371.79	1/4	1,110.13	1/4	849.55	1/4	588.42	1/4	326.78	1/4	65.48	1/4	1/4	1/4		1/4	1/4
1/2	1,627.87	1/2	1,366.34	1/2	1,104.67	1/2	844.13	1/2	582.97	1/2	321.32	1/2	60.09	1/2	1/2	1/2		1/2	1/2
3/4	1,622.42	3/4	1,360.89	3/4	1,099.22	3/4	838.72	3/4	577.52	3/4	315.87	3/4	54.71	3/4	3/4	3/4		3/4	3/4
2	1,616.97	2	1,355.44	2	1,093.77	2	833.30	2	572.07	2	310.42	2	49.37	2	2	2		2	2
1/4	1,611.52	1/4	1,349.99	1/4	1,088.32	1/4	827.89	1/4	566.62	1/4	304.97	1/4	44.03	1/4	1/4	1/4		1/4	1/4
1/2	1,606.08	1/2	1,344.54	1/2	1,082.87	1/2	822.47	1/2	561.17	1/2	299.52	1/2	38.69	1/2	1/2	1/2		1/2	1/2
3/4	1,600.63	3/4	1,339.08	3/4	1,077.42	3/4	817.06	3/4	555.72	3/4	294.07	3/4	33.35	3/4	3/4	3/4		3/4	3/4
3	1,595.18	3	1,333.63	3	1,071.97	3	811.65	3	550.27	3	288.62	3	28.82	3	3	3		3	3
1/4	1,589.73	1/4	1,328.18	1/4	1,066.51	1/4	806.24	1/4	544.82	1/4	283.17	1/4	24.28	1/4	1/4	1/4		1/4	1/4
1/2	1,584.28	1/2	1,322.73	1/2	1,061.06	1/2	800.83	1/2	539.36	1/2	277.72	1/2	19.75	1/2	1/2	1/2		1/2	1/2
3/4	1,578.84	3/4	1,317.28	3/4	1,055.61	3/4	795.42	3/4	533.91	3/4	272.27	3/4	15.21	3/4	3/4	3/4		3/4	3/4
4	1,573.39	4	1,311.83	4	1,050.16	4	789.97	4	528.46	4	266.81	4	12.49	4	4	4		4	4
1/4	1,567.94	1/4	1,306.38	1/4	1,044.71	1/4	784.52	1/4	523.01	1/4	261.36	1/4	9.76	1/4	1/4	1/4		1/4	1/4
1/2	1,562.49	1/2	1,300.92	1/2	1,039.26	1/2	779.08	1/2	517.56	1/2	255.91	1/2	7.04	1/2	1/2	1/2		1/2	1/2
3/4	1,557.04	3/4	1,295.47	3/4	1,033.81	3/4	773.63	3/4	512.11	3/4	250.46	3/4	4.31	3/4	3/4	3/4		3/4	3/4
5	1,551.60	5	1,290.02	5	1,028.35	5	768.19	5	506.66	5	245.01	5	3.40	5	5	5		5	5
1/4	1,546.15	1/4	1,284.57	1/4	1,022.90	1/4	762.74	1/4	501.21	1/4	239.56	1/4	2.49	1/4	1/4	1/4		1/4	1/4
1/2	1,540.70	1/2	1,279.12	1/2	1,017.45	1/2	757.29	1/2	495.76	1/2	234.11	1/2	1.59	1/2	1/2	1/2		1/2	1/2
3/4	1,535.25	3/4	1,273.67	3/4	1,012.00	3/4	751.85	3/4	490.31	3/4	228.66	3/4	0.68	3/4	3/4	3/4		3/4	3/4
6	1,529.80	6	1,268.22	6	1,006.58	6	746.40	6	484.85	6	223.21	6		6	6	6		6	6
1/4	1,524.36	1/4	1,262.76	1/4	1,001.17	1/4	740.96	1/4	479.40	1/4	217.76	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,518.91	1/2	1,257.31	1/2	995.75	1/2	735.51	1/2	473.95	1/2	212.30	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,513.46	3/4	1,251.86	3/4	990.34	3/4	730.06	3/4	468.50	3/4	206.85	3/4		3/4	3/4	3/4		3/4	3/4
7	1,508.01	7	1,246.41	7	984.92	7	724.62	7	463.05	7	201.40	7		7	7	7		7	7
1/4	1,502.56	1/4	1,240.96	1/4	979.51	1/4	719.17	1/4	457.60	1/4	195.95	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,497.12	1/2	1,235.51	1/2	974.09	1/2	713.73	1/2	452.15	1/2	190.50	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,491.67	3/4	1,230.06	3/4	968.68	3/4	708.28	3/4	446.70	3/4	185.05	3/4		3/4	3/4	3/4		3/4	3/4
8	1,486.22	8	1,224.60	8	963.26	8	702.83	8	441.25	8	179.60	8		8	8	8		8	8
1/4	1,480.77	1/4	1,219.15	1/4	957.85	1/4	697.39	1/4	435.80	1/4	174.15	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,475.32	1/2	1,213.70	1/2	952.43	1/2	691.94	1/2	430.34	1/2	168.70	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,469.88	3/4	1,208.25	3/4	947.02	3/4	686.50	3/4	424.89	3/4	163.25	3/4		3/4	3/4	3/4		3/4	3/4
9	1,464.43	9	1,202.80	9	941.60	9	681.05	9	419.44	9	157.80	9		9	9	9		9	9
1/4	1,458.98	1/4	1,197.35	1/4	936.19	1/4	675.60	1/4	413.99	1/4	152.34	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,453.53	1/2	1,191.90	1/2	930.77	1/2	670.16	1/2	408.54	1/2	146.89	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,448.08	3/4	1,186.44	3/4	925.36	3/4	664.71	3/4	403.09	3/4	141.44	3/4		3/4	3/4	3/4		3/4	3/4
10	1,442.64	10	1,180.99	10	919.94	10	659.27	10	397.64	10	136.00	10		10	10	10		10	10
1/4	1,437.19	1/4	1,175.54	1/4	914.53	1/4	653.82	1/4	392.19	1/4	130.55	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,431.74	1/2	1,170.09	1/2	909.11	1/2	648.38	1/2	386.74	1/2	125.11	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,426.29	3/4	1,164.64	3/4	903.70	3/4	642.93	3/4	381.29	3/4	119.66	3/4		3/4	3/4	3/4		3/4	3/4
11	1,420.84	11	1,159.19	11	898.28	11	637.48	11	375.83	11	114.23	11		11	11	11		11	11
1/4	1,415.40	1/4	1,153.74	1/4	892.87	1/4	632.03	1/4	370.38	1/4	108.79	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,409.95	1/2	1,148.28	1/2	887.45	1/2	626.58	1/2	364.93	1/2	103.36	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,404.50	3/4	1,142.83	3/4	882.04	3/4	621.13	3/4	359.48	3/4	97.92	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/05/2012 CL - SW
CALCULATED: 07/05/2012 CL
PRINTED: 07/05/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2012

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