



BARGE "KIRBY 10546"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 CENTER	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4	00-7/8	- 00-7/8
2 CENTER	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-1/2	- 00-1/2
3 CENTER	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-1/2	- 00-1/2

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 4'-00"
 DIFF. = 2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 CENTER IS - 00-1/4"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED ULLAGE IS 3'-11 3/4"

LENGTH BETWEEN DRAFT MARKS: 163'-06"

August 1, 2012

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

<http://www.pmacorp.net>



BARGE "KIRBY 10546"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

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	3,761.80	0	3,523.92	0	3,270.92	0	3,017.92	0	2,753.92	0	2,458.11	0	2,161.69
1/4		1/4		1/4		1/4	3,758.70	1/4	3,518.65	1/4	3,265.65	1/4	3,012.65	1/4	2,747.77	1/4	2,451.93	1/4	2,155.52
1/2		1/2		1/2		1/2	3,755.60	1/2	3,513.38	1/2	3,260.38	1/2	3,007.38	1/2	2,741.61	1/2	2,445.76	1/2	2,149.34
3/4		3/4		3/4		3/4	3,752.50	3/4	3,508.11	3/4	3,255.11	3/4	3,002.11	3/4	2,735.45	3/4	2,439.58	3/4	2,143.17
1		1		1		1	3,749.40	1	3,502.84	1	3,249.84	1	2,996.83	1	2,729.30	1	2,433.41	1	2,136.99
1/4		1/4		1/4		1/4	3,745.25	1/4	3,497.57	1/4	3,244.57	1/4	2,991.56	1/4	2,723.14	1/4	2,427.23	1/4	2,130.82
1/2		1/2		1/2		1/2	3,741.09	1/2	3,492.30	1/2	3,239.30	1/2	2,986.29	1/2	2,716.98	1/2	2,421.06	1/2	2,124.64
3/4		3/4		3/4		3/4	3,736.94	3/4	3,487.03	3/4	3,234.03	3/4	2,981.02	3/4	2,710.83	3/4	2,414.88	3/4	2,118.47
2		2		2		2	3,732.79	2	3,481.76	2	3,228.75	2	2,975.75	2	2,704.67	2	2,408.71	2	2,112.29
1/4		1/4		1/4		1/4	3,727.66	1/4	3,476.49	1/4	3,223.48	1/4	2,970.48	1/4	2,698.52	1/4	2,402.53	1/4	2,106.12
1/2		1/2		1/2		1/2	3,722.52	1/2	3,471.22	1/2	3,218.21	1/2	2,965.21	1/2	2,692.36	1/2	2,396.36	1/2	2,099.94
3/4		3/4		3/4		3/4	3,717.38	3/4	3,465.95	3/4	3,212.94	3/4	2,959.94	3/4	2,686.20	3/4	2,390.18	3/4	2,093.77
3		3		3		3	3,712.25	3	3,460.67	3	3,207.67	3	2,954.67	3	2,680.05	3	2,384.00	3	2,087.59
1/4		1/4		1/4		1/4	3,707.07	1/4	3,455.40	1/4	3,202.40	1/4	2,949.40	1/4	2,673.89	1/4	2,377.83	1/4	2,081.42
1/2		1/2		1/2		1/2	3,701.90	1/2	3,450.13	1/2	3,197.13	1/2	2,944.13	1/2	2,667.73	1/2	2,371.65	1/2	2,075.24
3/4		3/4		3/4		3/4	3,696.73	3/4	3,444.86	3/4	3,191.86	3/4	2,938.86	3/4	2,661.58	3/4	2,365.48	3/4	2,069.06
4		4		4		4	3,691.56	4	3,439.59	4	3,186.59	4	2,933.58	4	2,655.42	4	2,359.30	4	2,062.89
1/4		1/4		1/4		1/4	3,686.37	1/4	3,434.32	1/4	3,181.32	1/4	2,928.31	1/4	2,649.26	1/4	2,353.13	1/4	2,056.71
1/2		1/2		1/2		1/2	3,681.19	1/2	3,429.05	1/2	3,176.05	1/2	2,923.04	1/2	2,643.11	1/2	2,346.95	1/2	2,050.54
3/4		3/4		3/4		3/4	3,676.00	3/4	3,423.78	3/4	3,170.77	3/4	2,917.77	3/4	2,636.95	3/4	2,340.78	3/4	2,044.36
5		5		5		5	3,670.81	5	3,418.51	5	3,165.50	5	2,912.50	5	2,630.79	5	2,334.60	5	2,038.19
1/4		1/4		1/4		1/4	3,665.63	1/4	3,413.24	1/4	3,160.23	1/4	2,907.23	1/4	2,624.64	1/4	2,328.43	1/4	2,032.01
1/2		1/2		1/2		1/2	3,660.45	1/2	3,407.97	1/2	3,154.96	1/2	2,901.96	1/2	2,618.48	1/2	2,322.25	1/2	2,025.84
3/4		3/4		3/4		3/4	3,655.26	3/4	3,402.69	3/4	3,149.69	3/4	2,896.69	3/4	2,612.32	3/4	2,316.08	3/4	2,019.66
6		6		6		6	3,650.08	6	3,397.42	6	3,144.42	6	2,891.42	6	2,606.17	6	2,309.90	6	2,013.49
1/4		1/4		1/4		1/4	3,644.89	1/4	3,392.15	1/4	3,139.15	1/4	2,886.15	1/4	2,600.01	1/4	2,303.73	1/4	2,007.31
1/2		1/2		1/2		1/2	3,639.71	1/2	3,386.88	1/2	3,133.88	1/2	2,880.88	1/2	2,593.85	1/2	2,297.55	1/2	2,001.14
3/4		3/4		3/4		3/4	3,634.53	3/4	3,381.61	3/4	3,128.61	3/4	2,875.60	3/4	2,587.70	3/4	2,291.38	3/4	1,994.96
7		7		7		7	3,629.34	7	3,376.34	7	3,123.34	7	2,870.33	7	2,581.54	7	2,285.20	7	1,988.79
1/4		1/4		1/4		1/4	3,624.07	1/4	3,371.07	1/4	3,118.07	1/4	2,865.04	1/4	2,575.38	1/4	2,279.02	1/4	1,982.61
1/2		1/2		1/2		1/2	3,618.80	1/2	3,365.80	1/2	3,112.79	1/2	2,859.74	1/2	2,569.23	1/2	2,272.85	1/2	1,976.44
3/4		3/4		3/4		3/4	3,613.53	3/4	3,360.53	3/4	3,107.52	3/4	2,854.45	3/4	2,563.07	3/4	2,266.67	3/4	1,970.26
8		8		8		8	3,608.26	8	3,355.26	8	3,102.25	8	2,849.15	8	2,556.91	8	2,260.50	8	1,964.08
1/4		1/4		1/4		1/4	3,602.99	1/4	3,349.99	1/4	3,096.98	1/4	2,843.85	1/4	2,550.74	1/4	2,254.32	1/4	1,957.91
1/2		1/2		1/2		1/2	3,597.72	1/2	3,344.71	1/2	3,091.71	1/2	2,838.56	1/2	2,544.56	1/2	2,248.15	1/2	1,951.73
3/4		3/4		3/4		3/4	3,592.45	3/4	3,339.44	3/4	3,086.44	3/4	2,833.26	3/4	2,538.39	3/4	2,241.97	3/4	1,945.56
9		9		9		9	3,587.18	9	3,334.17	9	3,081.17	9	2,827.97	9	2,532.21	9	2,235.80	9	1,939.38
1/4		1/4		1/4		1/4	3,581.90	1/4	3,328.90	1/4	3,075.90	1/4	2,821.77	1/4	2,526.04	1/4	2,229.62	1/4	1,933.21
1/2		1/2		1/2		1/2	3,576.63	1/2	3,323.63	1/2	3,070.63	1/2	2,815.57	1/2	2,519.86	1/2	2,223.45	1/2	1,927.03
3/4		3/4		3/4		3/4	3,571.36	3/4	3,318.36	3/4	3,065.36	3/4	2,809.37	3/4	2,513.69	3/4	2,217.27	3/4	1,920.86
10		10		10		10	3,566.09	10	3,313.09	10	3,060.09	10	2,803.18	10	2,507.51	10	2,211.10	10	1,914.68
1/4		1/4		1/4		1/4	3,560.82	1/4	3,307.82	1/4	3,054.81	1/4	2,797.02	1/4	2,501.34	1/4	2,204.92	1/4	1,908.51
1/2		1/2		1/2		1/2	3,555.55	1/2	3,302.55	1/2	3,049.54	1/2	2,790.86	1/2	2,495.16	1/2	2,198.75	1/2	1,902.33
3/4		3/4		3/4		3/4	3,550.28	3/4	3,297.28	3/4	3,044.27	3/4	2,784.71	3/4	2,488.99	3/4	2,192.57	3/4	1,896.16
11		11		11	3,765.93	11	3,545.01	11	3,292.01	11	3,039.00	11	2,778.55	11	2,482.81	11	2,186.40	11	1,889.98
1/4		1/4		1/4	3,764.90	1/4	3,539.74	1/4	3,286.73	1/4	3,033.73	1/4	2,772.39	1/4	2,476.63	1/4	2,180.22	1/4	1,883.81
1/2		1/2		1/2	3,763.86	1/2	3,534.47	1/2	3,281.46	1/2	3,028.46	1/2	2,766.24	1/2	2,470.46	1/2	2,174.04	1/2	1,877.63
3/4		3/4		3/4	3,762.83	3/4	3,529.20	3/4	3,276.19	3/4	3,023.19	3/4	2,760.08	3/4	2,464.28	3/4	2,167.87	3/4	1,871.46

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 32'-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 10546"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

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	1,865.28	0	1,568.60	0	1,271.77	0	974.95	0	684.21	0	387.18	0	90.27	0		0		0	
1/4	1,859.10	1/4	1,562.42	1/4	1,265.59	1/4	968.83	1/4	678.02	1/4	381.00	1/4	84.14	1/4		1/4		1/4	
1/2	1,852.93	1/2	1,556.23	1/2	1,259.41	1/2	962.70	1/2	671.83	1/2	374.81	1/2	78.02	1/2		1/2		1/2	
3/4	1,846.75	3/4	1,550.05	3/4	1,253.22	3/4	956.58	3/4	665.65	3/4	368.62	3/4	71.89	3/4		3/4		3/4	
1	1,840.58	1	1,543.87	1	1,247.04	1	950.46	1	659.46	1	362.43	1	65.76	1		1		1	
1/4	1,834.40	1/4	1,537.68	1/4	1,240.85	1/4	944.40	1/4	653.27	1/4	356.24	1/4	59.69	1/4		1/4		1/4	
1/2	1,828.23	1/2	1,531.50	1/2	1,234.67	1/2	938.35	1/2	647.09	1/2	350.06	1/2	53.62	1/2		1/2		1/2	
3/4	1,822.05	3/4	1,525.31	3/4	1,228.49	3/4	932.29	3/4	640.90	3/4	343.87	3/4	47.54	3/4		3/4		3/4	
2	1,815.88	2	1,519.13	2	1,222.30	2	926.23	2	634.71	2	337.68	2	41.47	2		2		2	
1/4	1,809.69	1/4	1,512.95	1/4	1,216.12	1/4	920.17	1/4	628.52	1/4	331.49	1/4	36.31	1/4		1/4		1/4	
1/2	1,803.51	1/2	1,506.76	1/2	1,209.94	1/2	914.12	1/2	622.34	1/2	325.30	1/2	31.16	1/2		1/2		1/2	
3/4	1,797.33	3/4	1,500.58	3/4	1,203.75	3/4	908.06	3/4	616.15	3/4	319.11	3/4	26.00	3/4		3/4		3/4	
3	1,791.14	3	1,494.39	3	1,197.57	3	902.00	3	609.96	3	312.93	3	20.84	3		3		3	
1/4	1,784.96	1/4	1,488.21	1/4	1,191.38	1/4	895.96	1/4	603.77	1/4	306.74	1/4	17.74	1/4		1/4		1/4	
1/2	1,778.78	1/2	1,482.03	1/2	1,185.20	1/2	889.92	1/2	597.58	1/2	300.55	1/2	14.64	1/2		1/2		1/2	
3/4	1,772.59	3/4	1,475.84	3/4	1,179.02	3/4	883.88	3/4	591.40	3/4	294.36	3/4	11.54	3/4		3/4		3/4	
4	1,766.41	4	1,469.66	4	1,172.83	4	877.84	4	585.21	4	288.17	4	8.44	4		4		4	
1/4	1,760.22	1/4	1,463.48	1/4	1,166.65	1/4	871.81	1/4	579.02	1/4	281.99	1/4	7.41	1/4		1/4		1/4	
1/2	1,754.04	1/2	1,457.29	1/2	1,160.46	1/2	865.79	1/2	572.83	1/2	275.80	1/2	6.38	1/2		1/2		1/2	
3/4	1,747.86	3/4	1,451.11	3/4	1,154.28	3/4	859.76	3/4	566.64	3/4	269.61	3/4	5.34	3/4		3/4		3/4	
5	1,741.67	5	1,444.92	5	1,148.10	5	853.74	5	560.45	5	263.42	5	4.31	5		5		5	
1/4	1,735.49	1/4	1,438.74	1/4	1,141.91	1/4	847.71	1/4	554.27	1/4	257.23	1/4		1/4		1/4		1/4	
1/2	1,729.31	1/2	1,432.56	1/2	1,135.73	1/2	841.69	1/2	548.08	1/2	251.04	1/2		1/2		1/2		1/2	
3/4	1,723.13	3/4	1,426.37	3/4	1,129.54	3/4	835.66	3/4	541.89	3/4	244.86	3/4		3/4		3/4		3/4	
6	1,716.94	6	1,420.19	6	1,123.36	6	829.64	6	535.70	6	238.67	6		6		6		6	
1/4	1,710.76	1/4	1,414.00	1/4	1,117.18	1/4	823.61	1/4	529.51	1/4	232.48	1/4		1/4		1/4		1/4	
1/2	1,704.58	1/2	1,407.82	1/2	1,110.99	1/2	817.59	1/2	523.33	1/2	226.29	1/2		1/2		1/2		1/2	
3/4	1,698.40	3/4	1,401.64	3/4	1,104.81	3/4	811.56	3/4	517.14	3/4	220.10	3/4		3/4		3/4		3/4	
7	1,692.22	7	1,395.45	7	1,098.62	7	805.54	7	510.95	7	213.92	7		7		7		7	
1/4	1,686.04	1/4	1,389.27	1/4	1,092.44	1/4	799.52	1/4	504.76	1/4	207.73	1/4		1/4		1/4		1/4	
1/2	1,679.86	1/2	1,383.08	1/2	1,086.26	1/2	793.49	1/2	498.57	1/2	201.54	1/2		1/2		1/2		1/2	
3/4	1,673.68	3/4	1,376.90	3/4	1,080.07	3/4	787.47	3/4	492.38	3/4	195.35	3/4		3/4		3/4		3/4	
8	1,667.50	8	1,370.72	8	1,073.89	8	781.44	8	486.20	8	189.16	8		8		8		8	
1/4	1,661.32	1/4	1,364.53	1/4	1,067.71	1/4	775.42	1/4	480.01	1/4	182.98	1/4		1/4		1/4		1/4	
1/2	1,655.14	1/2	1,358.35	1/2	1,061.52	1/2	769.39	1/2	473.82	1/2	176.79	1/2		1/2		1/2		1/2	
3/4	1,648.96	3/4	1,352.16	3/4	1,055.34	3/4	763.37	3/4	467.63	3/4	170.60	3/4		3/4		3/4		3/4	
9	1,642.78	9	1,345.98	9	1,049.15	9	757.34	9	461.44	9	164.41	9		9		9		9	
1/4	1,636.60	1/4	1,339.80	1/4	1,042.97	1/4	751.32	1/4	455.26	1/4	158.22	1/4		1/4		1/4		1/4	
1/2	1,630.42	1/2	1,333.61	1/2	1,036.79	1/2	745.29	1/2	449.07	1/2	152.03	1/2		1/2		1/2		1/2	
3/4	1,624.24	3/4	1,327.43	3/4	1,030.60	3/4	739.27	3/4	442.88	3/4	145.83	3/4		3/4		3/4		3/4	
10	1,618.06	10	1,321.25	10	1,024.42	10	733.24	10	436.69	10	139.64	10		10		10		10	
1/4	1,611.88	1/4	1,315.06	1/4	1,018.23	1/4	727.15	1/4	430.50	1/4	133.46	1/4		1/4		1/4		1/4	
1/2	1,605.70	1/2	1,308.88	1/2	1,012.05	1/2	721.07	1/2	424.31	1/2	127.28	1/2		1/2		1/2		1/2	
3/4	1,599.52	3/4	1,302.69	3/4	1,005.87	3/4	714.98	3/4	418.13	3/4	121.10	3/4		3/4		3/4		3/4	
11	1,593.34	11	1,296.51	11	999.68	11	708.89	11	411.94	11	114.91	11		11		11		11	
1/4	1,587.15	1/4	1,290.33	1/4	993.50	1/4	702.72	1/4	405.75	1/4	108.75	1/4		1/4		1/4		1/4	
1/2	1,580.97	1/2	1,284.14	1/2	987.31	1/2	696.55	1/2	399.56	1/2	102.59	1/2		1/2		1/2		1/2	
3/4	1,574.79	3/4	1,277.96	3/4	981.13	3/4	690.38	3/4	393.37	3/4	96.43	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/01/2012 CL - SW
CALCULATED: 08/01/2012 CL
PRINTED: 08/01/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2012

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



BARGE "KIRBY 10546"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	3,473.73	0	3,233.39	0	2,971.45	0	2,709.51	0	2,447.02	0	2,183.67	0	1,920.32
1/4		1/4		1/4		1/4	3,472.81	1/4	3,227.94	1/4	2,966.00	1/4	2,704.06	1/4	2,441.53	1/4	2,178.18	1/4	1,914.83
1/2		1/2		1/2		1/2	3,470.07	1/2	3,222.48	1/2	2,960.54	1/2	2,698.60	1/2	2,436.04	1/2	2,172.70	1/2	1,909.35
3/4		3/4		3/4		3/4	3,467.32	3/4	3,217.02	3/4	2,955.08	3/4	2,693.14	3/4	2,430.56	3/4	2,167.21	3/4	1,903.86
1		1		1		1	3,464.58	1	3,211.57	1	2,949.63	1	2,687.68	1	2,425.07	1	2,161.72	1	1,898.38
1/4		1/4		1/4		1/4	3,461.83	1/4	3,206.11	1/4	2,944.17	1/4	2,682.23	1/4	2,419.58	1/4	2,156.24	1/4	1,892.89
1/2		1/2		1/2		1/2	3,457.39	1/2	3,200.65	1/2	2,938.71	1/2	2,676.77	1/2	2,414.10	1/2	2,150.75	1/2	1,887.40
3/4		3/4		3/4		3/4	3,452.94	3/4	3,195.19	3/4	2,933.25	3/4	2,671.31	3/4	2,408.61	3/4	2,145.26	3/4	1,881.92
2		2		2		2	3,448.50	2	3,189.74	2	2,927.80	2	2,665.86	2	2,403.12	2	2,139.78	2	1,876.43
1/4		1/4		1/4		1/4	3,444.05	1/4	3,184.28	1/4	2,922.34	1/4	2,660.40	1/4	2,397.64	1/4	2,134.29	1/4	1,870.94
1/2		1/2		1/2		1/2	3,438.74	1/2	3,178.82	1/2	2,916.88	1/2	2,654.94	1/2	2,392.15	1/2	2,128.80	1/2	1,865.46
3/4		3/4		3/4		3/4	3,433.42	3/4	3,173.37	3/4	2,911.43	3/4	2,649.48	3/4	2,386.67	3/4	2,123.32	3/4	1,859.97
3		3		3		3	3,428.10	3	3,167.91	3	2,905.97	3	2,644.03	3	2,381.18	3	2,117.83	3	1,854.48
1/4		1/4		1/4		1/4	3,422.78	1/4	3,162.45	1/4	2,900.51	1/4	2,638.57	1/4	2,375.69	1/4	2,112.35	1/4	1,849.00
1/2		1/2		1/2		1/2	3,417.43	1/2	3,157.00	1/2	2,895.05	1/2	2,633.11	1/2	2,370.21	1/2	2,106.86	1/2	1,843.51
3/4		3/4		3/4		3/4	3,412.08	3/4	3,151.54	3/4	2,889.60	3/4	2,627.66	3/4	2,364.72	3/4	2,101.37	3/4	1,838.03
4		4		4		4	3,406.74	4	3,146.08	4	2,884.14	4	2,622.20	4	2,359.23	4	2,095.89	4	1,832.54
1/4		1/4		1/4		1/4	3,401.39	1/4	3,140.62	1/4	2,878.68	1/4	2,616.74	1/4	2,353.75	1/4	2,090.40	1/4	1,827.05
1/2		1/2		1/2		1/2	3,396.03	1/2	3,135.17	1/2	2,873.23	1/2	2,611.29	1/2	2,348.26	1/2	2,084.91	1/2	1,821.57
3/4		3/4		3/4		3/4	3,390.66	3/4	3,129.71	3/4	2,867.77	3/4	2,605.83	3/4	2,342.77	3/4	2,079.43	3/4	1,816.08
5		5		5		5	3,385.30	5	3,124.25	5	2,862.31	5	2,600.37	5	2,337.29	5	2,073.94	5	1,810.59
1/4		1/4		1/4		1/4	3,379.94	1/4	3,118.80	1/4	2,856.85	1/4	2,594.91	1/4	2,331.80	1/4	2,068.45	1/4	1,805.11
1/2		1/2		1/2		1/2	3,374.58	1/2	3,113.34	1/2	2,851.40	1/2	2,589.46	1/2	2,326.31	1/2	2,062.97	1/2	1,799.62
3/4		3/4		3/4		3/4	3,369.23	3/4	3,107.88	3/4	2,845.94	3/4	2,584.00	3/4	2,320.83	3/4	2,057.48	3/4	1,794.13
6		6		6		6	3,363.87	6	3,102.42	6	2,840.48	6	2,578.54	6	2,315.34	6	2,051.99	6	1,788.65
1/4		1/4		1/4		1/4	3,358.51	1/4	3,096.97	1/4	2,835.03	1/4	2,573.09	1/4	2,309.86	1/4	2,046.51	1/4	1,783.16
1/2		1/2		1/2		1/2	3,353.15	1/2	3,091.51	1/2	2,829.57	1/2	2,567.63	1/2	2,304.37	1/2	2,041.02	1/2	1,777.67
3/4		3/4		3/4		3/4	3,347.80	3/4	3,086.05	3/4	2,824.11	3/4	2,562.17	3/4	2,298.88	3/4	2,035.54	3/4	1,772.19
7		7		7		7	3,342.44	7	3,080.60	7	2,818.66	7	2,556.71	7	2,293.40	7	2,030.05	7	1,766.70
1/4		1/4		1/4		1/4	3,337.08	1/4	3,075.14	1/4	2,813.20	1/4	2,551.26	1/4	2,287.91	1/4	2,024.56	1/4	1,761.22
1/2		1/2		1/2		1/2	3,331.62	1/2	3,069.68	1/2	2,807.74	1/2	2,545.77	1/2	2,282.42	1/2	2,019.08	1/2	1,755.73
3/4		3/4		3/4		3/4	3,326.17	3/4	3,064.22	3/4	2,802.28	3/4	2,540.28	3/4	2,276.94	3/4	2,013.59	3/4	1,750.24
8		8		8		8	3,320.71	8	3,058.77	8	2,796.83	8	2,534.80	8	2,271.45	8	2,008.10	8	1,744.76
1/4		1/4		1/4		1/4	3,315.25	1/4	3,053.31	1/4	2,791.37	1/4	2,529.31	1/4	2,265.96	1/4	2,002.62	1/4	1,739.27
1/2		1/2		1/2		1/2	3,309.79	1/2	3,047.85	1/2	2,785.91	1/2	2,523.83	1/2	2,260.48	1/2	1,997.13	1/2	1,733.78
3/4		3/4		3/4		3/4	3,304.34	3/4	3,042.40	3/4	2,780.46	3/4	2,518.34	3/4	2,254.99	3/4	1,991.64	3/4	1,728.30
9		9		9		9	3,298.88	9	3,036.94	9	2,775.00	9	2,512.85	9	2,249.51	9	1,986.16	9	1,722.81
1/4		1/4		1/4		1/4	3,293.42	1/4	3,031.48	1/4	2,769.54	1/4	2,507.37	1/4	2,244.02	1/4	1,980.67	1/4	1,717.32
1/2		1/2		1/2		1/2	3,287.97	1/2	3,026.02	1/2	2,764.08	1/2	2,501.88	1/2	2,238.53	1/2	1,975.19	1/2	1,711.84
3/4		3/4		3/4		3/4	3,282.51	3/4	3,020.57	3/4	2,758.63	3/4	2,496.39	3/4	2,233.05	3/4	1,969.70	3/4	1,706.35
10		10		10		10	3,277.05	10	3,015.11	10	2,753.17	10	2,490.91	10	2,227.56	10	1,964.21	10	1,700.87
1/4		1/4		1/4		1/4	3,271.59	1/4	3,009.65	1/4	2,747.71	1/4	2,485.42	1/4	2,222.07	1/4	1,958.73	1/4	1,695.38
1/2		1/2		1/2		1/2	3,266.14	1/2	3,004.20	1/2	2,742.26	1/2	2,479.93	1/2	2,216.59	1/2	1,953.24	1/2	1,689.89
3/4		3/4		3/4		3/4	3,260.68	3/4	2,998.74	3/4	2,736.80	3/4	2,474.45	3/4	2,211.10	3/4	1,947.75	3/4	1,684.41
11		11		11		11	3,255.22	11	2,993.28	11	2,731.34	11	2,468.96	11	2,205.61	11	1,942.27	11	1,678.92
1/4		1/4		1/4	3,476.47	1/4	3,249.77	1/4	2,987.83	1/4	2,725.88	1/4	2,463.47	1/4	2,200.13	1/4	1,936.78	1/4	1,673.43
1/2		1/2		1/2	3,475.56	1/2	3,244.31	1/2	2,982.37	1/2	2,720.43	1/2	2,457.99	1/2	2,194.64	1/2	1,931.29	1/2	1,667.95
3/4		3/4		3/4	3,474.64	3/4	3,238.85	3/4	2,976.91	3/4	2,714.97	3/4	2,452.50	3/4	2,189.15	3/4	1,925.81	3/4	1,662.46

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 27'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 10546"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	1,656.97	0	1,393.62	0	1,130.11	0	868.71	0	609.03	0	345.54	0	82.25	0		0		0	
1/4	1,651.49	1/4	1,388.13	1/4	1,124.62	1/4	863.31	1/4	603.54	1/4	340.05	1/4	76.79	1/4	1/4	1/4		1/4	
1/2	1,646.00	1/2	1,382.64	1/2	1,119.13	1/2	857.90	1/2	598.05	1/2	334.56	1/2	71.36	1/2	1/2	1/2		1/2	
3/4	1,640.51	3/4	1,377.15	3/4	1,113.64	3/4	852.50	3/4	592.56	3/4	329.07	3/4	65.94	3/4	3/4	3/4		3/4	
1	1,635.03	1	1,371.66	1	1,108.15	1	847.09	1	587.07	1	323.58	1	60.51	1	1	1		1	
1/4	1,629.54	1/4	1,366.17	1/4	1,102.66	1/4	841.69	1/4	581.59	1/4	318.09	1/4	55.09	1/4	1/4	1/4		1/4	
1/2	1,624.06	1/2	1,360.68	1/2	1,097.17	1/2	836.28	1/2	576.10	1/2	312.60	1/2	49.71	1/2	1/2	1/2		1/2	
3/4	1,618.57	3/4	1,355.19	3/4	1,091.68	3/4	830.88	3/4	570.61	3/4	307.12	3/4	44.33	3/4	3/4	3/4		3/4	
2	1,613.08	2	1,349.70	2	1,086.19	2	825.47	2	565.12	2	301.63	2	38.96	2	2	2		2	
1/4	1,607.60	1/4	1,344.21	1/4	1,080.70	1/4	820.07	1/4	559.63	1/4	296.14	1/4	33.58	1/4	1/4	1/4		1/4	
1/2	1,602.11	1/2	1,338.72	1/2	1,075.21	1/2	814.67	1/2	554.14	1/2	290.65	1/2	29.02	1/2	1/2	1/2		1/2	
3/4	1,596.62	3/4	1,333.23	3/4	1,069.72	3/4	809.27	3/4	548.65	3/4	285.16	3/4	24.45	3/4	3/4	3/4		3/4	
3	1,591.14	3	1,327.74	3	1,064.23	3	803.87	3	543.16	3	279.67	3	19.88	3	3	3		3	
1/4	1,585.65	1/4	1,322.25	1/4	1,058.74	1/4	798.47	1/4	537.67	1/4	274.18	1/4	15.32	1/4	1/4	1/4		1/4	
1/2	1,580.16	1/2	1,316.76	1/2	1,053.25	1/2	793.07	1/2	532.18	1/2	268.69	1/2	12.57	1/2	1/2	1/2		1/2	
3/4	1,574.68	3/4	1,311.27	3/4	1,047.76	3/4	787.67	3/4	526.69	3/4	263.20	3/4	9.83	3/4	3/4	3/4		3/4	
4	1,569.19	4	1,305.78	4	1,042.27	4	782.27	4	521.20	4	257.71	4	7.08	4	4	4		4	
1/4	1,563.71	1/4	1,300.29	1/4	1,036.78	1/4	776.87	1/4	515.71	1/4	252.22	1/4	4.34	1/4	1/4	1/4		1/4	
1/2	1,558.22	1/2	1,294.80	1/2	1,031.29	1/2	771.47	1/2	510.22	1/2	246.73	1/2	3.42	1/2	1/2	1/2		1/2	
3/4	1,552.73	3/4	1,289.31	3/4	1,025.80	3/4	766.07	3/4	504.73	3/4	241.24	3/4	2.51	3/4	3/4	3/4		3/4	
5	1,547.25	5	1,283.82	5	1,020.31	5	760.67	5	499.24	5	235.75	5	1.59	5	5	5		5	
1/4	1,541.76	1/4	1,278.33	1/4	1,014.82	1/4	755.27	1/4	493.75	1/4	230.26	1/4	0.68	1/4	1/4	1/4		1/4	
1/2	1,536.27	1/2	1,272.84	1/2	1,009.37	1/2	749.87	1/2	488.27	1/2	224.77	1/2		1/2	1/2	1/2		1/2	
3/4	1,530.79	3/4	1,267.35	3/4	1,003.93	3/4	744.48	3/4	482.78	3/4	219.28	3/4		3/4	3/4	3/4		3/4	
6	1,525.30	6	1,261.86	6	998.48	6	739.08	6	477.29	6	213.80	6		6	6	6		6	
1/4	1,519.81	1/4	1,256.37	1/4	993.03	1/4	733.68	1/4	471.80	1/4	208.31	1/4		1/4	1/4	1/4		1/4	
1/2	1,514.33	1/2	1,250.88	1/2	987.62	1/2	728.28	1/2	466.31	1/2	202.82	1/2		1/2	1/2	1/2		1/2	
3/4	1,508.84	3/4	1,245.39	3/4	982.22	3/4	722.88	3/4	460.82	3/4	197.33	3/4		3/4	3/4	3/4		3/4	
7	1,503.35	7	1,239.90	7	976.81	7	717.48	7	455.33	7	191.84	7		7	7	7		7	
1/4	1,497.87	1/4	1,234.41	1/4	971.41	1/4	712.08	1/4	449.84	1/4	186.35	1/4		1/4	1/4	1/4		1/4	
1/2	1,492.38	1/2	1,228.92	1/2	966.00	1/2	706.68	1/2	444.35	1/2	180.86	1/2		1/2	1/2	1/2		1/2	
3/4	1,486.90	3/4	1,223.43	3/4	960.60	3/4	701.28	3/4	438.86	3/4	175.37	3/4		3/4	3/4	3/4		3/4	
8	1,481.41	8	1,217.94	8	955.19	8	695.88	8	433.37	8	169.88	8		8	8	8		8	
1/4	1,475.92	1/4	1,212.45	1/4	949.79	1/4	690.48	1/4	427.88	1/4	164.39	1/4		1/4	1/4	1/4		1/4	
1/2	1,470.44	1/2	1,206.96	1/2	944.38	1/2	685.08	1/2	422.39	1/2	158.90	1/2		1/2	1/2	1/2		1/2	
3/4	1,464.95	3/4	1,201.47	3/4	938.98	3/4	679.68	3/4	416.90	3/4	153.41	3/4		3/4	3/4	3/4		3/4	
9	1,459.46	9	1,195.98	9	933.57	9	674.28	9	411.41	9	147.92	9		9	9	9		9	
1/4	1,453.98	1/4	1,190.49	1/4	928.17	1/4	668.88	1/4	405.92	1/4	142.44	1/4		1/4	1/4	1/4		1/4	
1/2	1,448.49	1/2	1,185.00	1/2	922.76	1/2	663.48	1/2	400.44	1/2	136.95	1/2		1/2	1/2	1/2		1/2	
3/4	1,443.00	3/4	1,179.51	3/4	917.36	3/4	658.08	3/4	394.95	3/4	131.47	3/4		3/4	3/4	3/4		3/4	
10	1,437.52	10	1,174.02	10	911.95	10	652.68	10	389.46	10	125.98	10		10	10	10		10	
1/4	1,432.03	1/4	1,168.53	1/4	906.55	1/4	647.29	1/4	383.97	1/4	120.50	1/4		1/4	1/4	1/4		1/4	
1/2	1,426.55	1/2	1,163.05	1/2	901.14	1/2	641.84	1/2	378.48	1/2	115.03	1/2		1/2	1/2	1/2		1/2	
3/4	1,421.06	3/4	1,157.56	3/4	895.74	3/4	636.39	3/4	372.99	3/4	109.55	3/4		3/4	3/4	3/4		3/4	
11	1,415.57	11	1,152.07	11	890.33	11	630.95	11	367.50	11	104.08	11		11	11	11		11	
1/4	1,410.09	1/4	1,146.58	1/4	884.93	1/4	625.50	1/4	362.01	1/4	98.61	1/4		1/4	1/4	1/4		1/4	
1/2	1,404.60	1/2	1,141.09	1/2	879.52	1/2	620.01	1/2	356.52	1/2	93.15	1/2		1/2	1/2	1/2		1/2	
3/4	1,399.11	3/4	1,135.60	3/4	874.12	3/4	614.52	3/4	351.03	3/4	87.70	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/01/2012 CL - SW
CALCULATED: 08/01/2012 CL
PRINTED: 08/01/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2012

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



BARGE "KIRBY 10546"

3 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	3,454.71	0	3,216.00	0	2,955.82	0	2,695.64	0	2,434.90	0	2,173.32	0	1,911.74
1/4		1/4		1/4		1/4	3,453.80	1/4	3,210.58	1/4	2,950.40	1/4	2,690.22	1/4	2,429.45	1/4	2,167.87	1/4	1,906.29
1/2		1/2		1/2		1/2	3,451.08	1/2	3,205.15	1/2	2,944.98	1/2	2,684.80	1/2	2,424.00	1/2	2,162.42	1/2	1,900.84
3/4		3/4		3/4		3/4	3,448.35	3/4	3,199.73	3/4	2,939.56	3/4	2,679.38	3/4	2,418.55	3/4	2,156.97	3/4	1,895.39
1		1		1		1	3,445.62	1	3,194.31	1	2,934.13	1	2,673.96	1	2,413.10	1	2,151.52	1	1,889.94
1/4		1/4		1/4		1/4	3,442.90	1/4	3,188.89	1/4	2,928.71	1/4	2,668.54	1/4	2,407.66	1/4	2,146.07	1/4	1,884.49
1/2		1/2		1/2		1/2	3,438.48	1/2	3,183.47	1/2	2,923.29	1/2	2,663.11	1/2	2,402.21	1/2	2,140.62	1/2	1,879.04
3/4		3/4		3/4		3/4	3,434.07	3/4	3,178.05	3/4	2,917.87	3/4	2,657.69	3/4	2,396.76	3/4	2,135.18	3/4	1,873.59
2		2		2		2	3,429.65	2	3,172.63	2	2,912.45	2	2,652.27	2	2,391.31	2	2,129.73	2	1,868.14
1/4		1/4		1/4		1/4	3,425.24	1/4	3,167.21	1/4	2,907.03	1/4	2,646.85	1/4	2,385.86	1/4	2,124.28	1/4	1,862.70
1/2		1/2		1/2		1/2	3,419.96	1/2	3,161.79	1/2	2,901.61	1/2	2,641.43	1/2	2,380.41	1/2	2,118.83	1/2	1,857.25
3/4		3/4		3/4		3/4	3,414.68	3/4	3,156.37	3/4	2,896.19	3/4	2,636.01	3/4	2,374.96	3/4	2,113.38	3/4	1,851.80
3		3		3		3	3,409.39	3	3,150.95	3	2,890.77	3	2,630.59	3	2,369.51	3	2,107.93	3	1,846.35
1/4		1/4		1/4		1/4	3,404.11	1/4	3,145.53	1/4	2,885.35	1/4	2,625.17	1/4	2,364.06	1/4	2,102.48	1/4	1,840.90
1/2		1/2		1/2		1/2	3,398.80	1/2	3,140.11	1/2	2,879.93	1/2	2,619.75	1/2	2,358.61	1/2	2,097.03	1/2	1,835.45
3/4		3/4		3/4		3/4	3,393.49	3/4	3,134.69	3/4	2,874.51	3/4	2,614.33	3/4	2,353.16	3/4	2,091.58	3/4	1,830.00
4		4		4		4	3,388.17	4	3,129.27	4	2,869.09	4	2,608.91	4	2,347.71	4	2,086.13	4	1,824.55
1/4		1/4		1/4		1/4	3,382.86	1/4	3,123.85	1/4	2,863.67	1/4	2,603.49	1/4	2,342.26	1/4	2,080.68	1/4	1,819.10
1/2		1/2		1/2		1/2	3,377.54	1/2	3,118.43	1/2	2,858.25	1/2	2,598.07	1/2	2,336.81	1/2	2,075.23	1/2	1,813.65
3/4		3/4		3/4		3/4	3,372.21	3/4	3,113.01	3/4	2,852.83	3/4	2,592.65	3/4	2,331.36	3/4	2,069.78	3/4	1,808.20
5		5		5		5	3,366.88	5	3,107.59	5	2,847.41	5	2,587.23	5	2,325.91	5	2,064.33	5	1,802.75
1/4		1/4		1/4		1/4	3,361.55	1/4	3,102.17	1/4	2,841.99	1/4	2,581.81	1/4	2,320.46	1/4	2,058.88	1/4	1,797.30
1/2		1/2		1/2		1/2	3,356.23	1/2	3,096.75	1/2	2,836.57	1/2	2,576.39	1/2	2,315.01	1/2	2,053.43	1/2	1,791.85
3/4		3/4		3/4		3/4	3,350.91	3/4	3,091.33	3/4	2,831.15	3/4	2,570.97	3/4	2,309.56	3/4	2,047.98	3/4	1,786.40
6		6		6		6	3,345.59	6	3,085.91	6	2,825.73	6	2,565.55	6	2,304.11	6	2,042.53	6	1,780.95
1/4		1/4		1/4		1/4	3,340.27	1/4	3,080.49	1/4	2,820.31	1/4	2,560.13	1/4	2,298.66	1/4	2,037.08	1/4	1,775.50
1/2		1/2		1/2		1/2	3,334.95	1/2	3,075.07	1/2	2,814.89	1/2	2,554.71	1/2	2,293.21	1/2	2,031.63	1/2	1,770.05
3/4		3/4		3/4		3/4	3,329.63	3/4	3,069.64	3/4	2,809.47	3/4	2,549.29	3/4	2,287.76	3/4	2,026.18	3/4	1,764.60
7		7		7		7	3,324.30	7	3,064.22	7	2,804.05	7	2,543.87	7	2,282.31	7	2,020.73	7	1,759.15
1/4		1/4		1/4		1/4	3,318.98	1/4	3,058.80	1/4	2,798.62	1/4	2,538.45	1/4	2,276.86	1/4	2,015.28	1/4	1,753.70
1/2		1/2		1/2		1/2	3,313.56	1/2	3,053.38	1/2	2,793.20	1/2	2,533.00	1/2	2,271.42	1/2	2,009.83	1/2	1,748.25
3/4		3/4		3/4		3/4	3,308.14	3/4	3,047.96	3/4	2,787.78	3/4	2,527.55	3/4	2,265.97	3/4	2,004.38	3/4	1,742.80
8		8		8		8	3,302.72	8	3,042.54	8	2,782.36	8	2,522.10	8	2,260.52	8	1,998.94	8	1,737.35
1/4		1/4		1/4		1/4	3,297.30	1/4	3,037.12	1/4	2,776.94	1/4	2,516.65	1/4	2,255.07	1/4	1,993.49	1/4	1,731.90
1/2		1/2		1/2		1/2	3,291.88	1/2	3,031.70	1/2	2,771.52	1/2	2,511.20	1/2	2,249.62	1/2	1,988.04	1/2	1,726.46
3/4		3/4		3/4		3/4	3,286.46	3/4	3,026.28	3/4	2,766.10	3/4	2,505.75	3/4	2,244.17	3/4	1,982.59	3/4	1,721.01
9		9		9		9	3,281.04	9	3,020.86	9	2,760.68	9	2,500.30	9	2,238.72	9	1,977.14	9	1,715.56
1/4		1/4		1/4		1/4	3,275.62	1/4	3,015.44	1/4	2,755.26	1/4	2,494.85	1/4	2,233.27	1/4	1,971.69	1/4	1,710.11
1/2		1/2		1/2		1/2	3,270.20	1/2	3,010.02	1/2	2,749.84	1/2	2,489.40	1/2	2,227.82	1/2	1,966.24	1/2	1,704.66
3/4		3/4		3/4		3/4	3,264.78	3/4	3,004.60	3/4	2,744.42	3/4	2,483.95	3/4	2,222.37	3/4	1,960.79	3/4	1,699.21
10		10		10		10	3,259.36	10	2,999.18	10	2,739.00	10	2,478.50	10	2,216.92	10	1,955.34	10	1,693.76
1/4		1/4		1/4		1/4	3,253.94	1/4	2,993.76	1/4	2,733.58	1/4	2,473.05	1/4	2,211.47	1/4	1,949.89	1/4	1,688.31
1/2		1/2		1/2		1/2	3,248.52	1/2	2,988.34	1/2	2,728.16	1/2	2,467.60	1/2	2,206.02	1/2	1,944.44	1/2	1,682.86
3/4		3/4		3/4		3/4	3,243.10	3/4	2,982.92	3/4	2,722.74	3/4	2,462.15	3/4	2,200.57	3/4	1,938.99	3/4	1,677.41
11		11		11		11	3,237.68	11	2,977.50	11	2,717.32	11	2,456.70	11	2,195.12	11	1,933.54	11	1,671.96
1/4		1/4		1/4	3,457.44	1/4	3,232.26	1/4	2,972.08	1/4	2,711.90	1/4	2,451.25	1/4	2,189.67	1/4	1,928.09	1/4	1,666.51
1/2		1/2		1/2	3,456.53	1/2	3,226.84	1/2	2,966.66	1/2	2,706.48	1/2	2,445.80	1/2	2,184.22	1/2	1,922.64	1/2	1,661.06
3/4		3/4		3/4	3,455.62	3/4	3,221.42	3/4	2,961.24	3/4	2,701.06	3/4	2,440.35	3/4	2,178.77	3/4	1,917.19	3/4	1,655.61

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 27'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 10546"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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	1,650.16	0	1,388.57	0	1,126.82	0	866.05	0	604.96	0	343.23	0	81.70	0		0		0	
1/4	1,644.71	1/4	1,383.12	1/4	1,121.37	1/4	860.64	1/4	599.51	1/4	337.78	1/4	76.28	1/4	1/4	1/4		1/4	
1/2	1,639.26	1/2	1,377.66	1/2	1,115.91	1/2	855.22	1/2	594.06	1/2	332.33	1/2	70.89	1/2	1/2	1/2		1/2	
3/4	1,633.81	3/4	1,372.21	3/4	1,110.46	3/4	849.80	3/4	588.61	3/4	326.88	3/4	65.50	3/4	3/4	3/4		3/4	
1	1,628.36	1	1,366.76	1	1,105.01	1	844.39	1	583.15	1	321.42	1	60.11	1	1	1		1	
1/4	1,622.91	1/4	1,361.30	1/4	1,099.56	1/4	838.97	1/4	577.70	1/4	315.97	1/4	54.72	1/4	1/4	1/4		1/4	
1/2	1,617.46	1/2	1,355.85	1/2	1,094.10	1/2	833.55	1/2	572.25	1/2	310.52	1/2	49.38	1/2	1/2	1/2		1/2	
3/4	1,612.01	3/4	1,350.40	3/4	1,088.65	3/4	828.14	3/4	566.80	3/4	305.07	3/4	44.04	3/4	3/4	3/4		3/4	
2	1,606.56	2	1,344.94	2	1,083.20	2	822.72	2	561.34	2	299.61	2	38.70	2	2	2		2	
1/4	1,601.11	1/4	1,339.49	1/4	1,077.74	1/4	817.30	1/4	555.89	1/4	294.16	1/4	33.36	1/4	1/4	1/4		1/4	
1/2	1,595.66	1/2	1,334.04	1/2	1,072.29	1/2	811.89	1/2	550.44	1/2	288.71	1/2	28.83	1/2	1/2	1/2		1/2	
3/4	1,590.22	3/4	1,328.59	3/4	1,066.84	3/4	806.48	3/4	544.98	3/4	283.25	3/4	24.29	3/4	3/4	3/4		3/4	
3	1,584.77	3	1,323.13	3	1,061.38	3	801.07	3	539.53	3	277.80	3	19.75	3	3	3		3	
1/4	1,579.32	1/4	1,317.68	1/4	1,055.93	1/4	795.66	1/4	534.08	1/4	272.35	1/4	15.22	1/4	1/4	1/4		1/4	
1/2	1,573.87	1/2	1,312.23	1/2	1,050.48	1/2	790.21	1/2	528.63	1/2	266.90	1/2	12.49	1/2	1/2	1/2		1/2	
3/4	1,568.42	3/4	1,306.77	3/4	1,045.02	3/4	784.76	3/4	523.17	3/4	261.44	3/4	9.76	3/4	3/4	3/4		3/4	
4	1,562.97	4	1,301.32	4	1,039.57	4	779.32	4	517.72	4	255.99	4	7.04	4	4	4		4	
1/4	1,557.52	1/4	1,295.87	1/4	1,034.12	1/4	773.87	1/4	512.27	1/4	250.54	1/4	4.31	1/4	1/4	1/4		1/4	
1/2	1,552.07	1/2	1,290.41	1/2	1,028.66	1/2	768.42	1/2	506.82	1/2	245.09	1/2	3.40	1/2	1/2	1/2		1/2	
3/4	1,546.62	3/4	1,284.96	3/4	1,023.21	3/4	762.97	3/4	501.36	3/4	239.63	3/4	2.50	3/4	3/4	3/4		3/4	
5	1,541.17	5	1,279.51	5	1,017.76	5	757.52	5	495.91	5	234.18	5	1.59	5	5	5		5	
1/4	1,535.72	1/4	1,274.05	1/4	1,012.31	1/4	752.08	1/4	490.46	1/4	228.73	1/4	0.68	1/4	1/4	1/4		1/4	
1/2	1,530.27	1/2	1,268.60	1/2	1,006.89	1/2	746.63	1/2	485.00	1/2	223.28	1/2		1/2	1/2	1/2		1/2	
3/4	1,524.82	3/4	1,263.15	3/4	1,001.47	3/4	741.18	3/4	479.55	3/4	217.82	3/4		3/4	3/4	3/4		3/4	
6	1,519.37	6	1,257.69	6	996.06	6	735.73	6	474.10	6	212.37	6		6	6	6		6	
1/4	1,513.92	1/4	1,252.24	1/4	990.64	1/4	730.29	1/4	468.65	1/4	206.92	1/4		1/4	1/4	1/4		1/4	
1/2	1,508.47	1/2	1,246.79	1/2	985.22	1/2	724.84	1/2	463.19	1/2	201.46	1/2		1/2	1/2	1/2		1/2	
3/4	1,503.02	3/4	1,241.34	3/4	979.81	3/4	719.39	3/4	457.74	3/4	196.01	3/4		3/4	3/4	3/4		3/4	
7	1,497.57	7	1,235.88	7	974.39	7	713.94	7	452.29	7	190.56	7		7	7	7		7	
1/4	1,492.12	1/4	1,230.43	1/4	968.97	1/4	708.50	1/4	446.84	1/4	185.11	1/4		1/4	1/4	1/4		1/4	
1/2	1,486.67	1/2	1,224.98	1/2	963.56	1/2	703.05	1/2	441.38	1/2	179.65	1/2		1/2	1/2	1/2		1/2	
3/4	1,481.22	3/4	1,219.52	3/4	958.14	3/4	697.60	3/4	435.93	3/4	174.20	3/4		3/4	3/4	3/4		3/4	
8	1,475.77	8	1,214.07	8	952.72	8	692.15	8	430.48	8	168.75	8		8	8	8		8	
1/4	1,470.32	1/4	1,208.62	1/4	947.31	1/4	686.70	1/4	425.03	1/4	163.30	1/4		1/4	1/4	1/4		1/4	
1/2	1,464.87	1/2	1,203.16	1/2	941.89	1/2	681.26	1/2	419.57	1/2	157.84	1/2		1/2	1/2	1/2		1/2	
3/4	1,459.42	3/4	1,197.71	3/4	936.47	3/4	675.81	3/4	414.12	3/4	152.39	3/4		3/4	3/4	3/4		3/4	
9	1,453.98	9	1,192.26	9	931.05	9	670.36	9	408.67	9	146.94	9		9	9	9		9	
1/4	1,448.53	1/4	1,186.80	1/4	925.64	1/4	664.91	1/4	403.21	1/4	141.49	1/4		1/4	1/4	1/4		1/4	
1/2	1,443.08	1/2	1,181.35	1/2	920.22	1/2	659.47	1/2	397.76	1/2	136.04	1/2		1/2	1/2	1/2		1/2	
3/4	1,437.63	3/4	1,175.90	3/4	914.80	3/4	654.02	3/4	392.31	3/4	130.59	3/4		3/4	3/4	3/4		3/4	
10	1,432.18	10	1,170.45	10	909.39	10	648.57	10	386.86	10	125.15	10		10	10	10		10	
1/4	1,426.73	1/4	1,164.99	1/4	903.97	1/4	643.13	1/4	381.40	1/4	119.70	1/4		1/4	1/4	1/4		1/4	
1/2	1,421.28	1/2	1,159.54	1/2	898.55	1/2	637.67	1/2	375.95	1/2	114.26	1/2		1/2	1/2	1/2		1/2	
3/4	1,415.83	3/4	1,154.09	3/4	893.14	3/4	632.22	3/4	370.50	3/4	108.83	3/4		3/4	3/4	3/4		3/4	
11	1,410.38	11	1,148.63	11	887.72	11	626.77	11	365.05	11	103.39	11		11	11	11		11	
1/4	1,404.93	1/4	1,143.18	1/4	882.30	1/4	621.32	1/4	359.59	1/4	97.95	1/4		1/4	1/4	1/4		1/4	
1/2	1,399.48	1/2	1,137.73	1/2	876.89	1/2	615.87	1/2	354.14	1/2	92.54	1/2		1/2	1/2	1/2		1/2	
3/4	1,394.02	3/4	1,132.27	3/4	871.47	3/4	610.42	3/4	348.69	3/4	87.12	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/01/2012 CL - SW
CALCULATED: 08/01/2012 CL
PRINTED: 08/01/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2012

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