



BARGE "KIRBY 10545"

ULLAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 163'-06"

August 1, 2012

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

<http://www.pmacorp.net>



BARGE "KIRBY 10545"

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	3,762.19	0	3,528.60	0	3,275.64	0	3,022.68	0	2,759.61	0	2,463.86	0	2,167.50
1/4		1/4		1/4		1/4	3,761.16	1/4	3,523.33	1/4	3,270.37	1/4	3,017.41	1/4	2,753.45	1/4	2,457.69	1/4	2,161.32
1/2		1/2		1/2		1/2	3,758.06	1/2	3,518.06	1/2	3,265.10	1/2	3,012.14	1/2	2,747.30	1/2	2,451.51	1/2	2,155.15
3/4		3/4		3/4		3/4	3,754.96	3/4	3,512.79	3/4	3,259.83	3/4	3,006.87	3/4	2,741.14	3/4	2,445.34	3/4	2,148.98
1		1		1		1	3,751.86	1	3,507.52	1	3,254.56	1	3,001.60	1	2,734.99	1	2,439.16	1	2,142.80
1/4		1/4		1/4		1/4	3,748.76	1/4	3,502.25	1/4	3,249.29	1/4	2,996.33	1/4	2,728.83	1/4	2,432.99	1/4	2,136.63
1/2		1/2		1/2		1/2	3,744.61	1/2	3,496.98	1/2	3,244.02	1/2	2,991.06	1/2	2,722.68	1/2	2,426.81	1/2	2,130.45
3/4		3/4		3/4		3/4	3,740.46	3/4	3,491.71	3/4	3,238.75	3/4	2,985.79	3/4	2,716.52	3/4	2,420.64	3/4	2,124.28
2		2		2		2	3,736.31	2	3,486.44	2	3,233.48	2	2,980.52	2	2,710.37	2	2,414.47	2	2,118.10
1/4		1/4		1/4		1/4	3,732.16	1/4	3,481.17	1/4	3,228.21	1/4	2,975.25	1/4	2,704.21	1/4	2,408.29	1/4	2,111.93
1/2		1/2		1/2		1/2	3,727.02	1/2	3,475.90	1/2	3,222.94	1/2	2,969.98	1/2	2,698.05	1/2	2,402.12	1/2	2,105.76
3/4		3/4		3/4		3/4	3,721.89	3/4	3,470.63	3/4	3,217.67	3/4	2,964.71	3/4	2,691.90	3/4	2,395.94	3/4	2,099.58
3		3		3		3	3,716.75	3	3,465.36	3	3,212.40	3	2,959.44	3	2,685.74	3	2,389.77	3	2,093.41
1/4		1/4		1/4		1/4	3,711.62	1/4	3,460.09	1/4	3,207.13	1/4	2,954.17	1/4	2,679.59	1/4	2,383.59	1/4	2,087.23
1/2		1/2		1/2		1/2	3,706.45	1/2	3,454.82	1/2	3,201.86	1/2	2,948.90	1/2	2,673.43	1/2	2,377.42	1/2	2,081.06
3/4		3/4		3/4		3/4	3,701.27	3/4	3,449.55	3/4	3,196.59	3/4	2,943.63	3/4	2,667.28	3/4	2,371.25	3/4	2,074.88
4		4		4		4	3,696.10	4	3,444.28	4	3,191.32	4	2,938.36	4	2,661.12	4	2,365.07	4	2,068.71
1/4		1/4		1/4		1/4	3,690.93	1/4	3,439.01	1/4	3,186.05	1/4	2,933.09	1/4	2,654.96	1/4	2,358.90	1/4	2,062.54
1/2		1/2		1/2		1/2	3,685.75	1/2	3,433.74	1/2	3,180.78	1/2	2,927.82	1/2	2,648.81	1/2	2,352.72	1/2	2,056.36
3/4		3/4		3/4		3/4	3,680.56	3/4	3,428.47	3/4	3,175.51	3/4	2,922.55	3/4	2,642.65	3/4	2,346.55	3/4	2,050.19
5		5		5		5	3,675.38	5	3,423.20	5	3,170.24	5	2,917.28	5	2,636.50	5	2,340.38	5	2,044.01
1/4		1/4		1/4		1/4	3,670.19	1/4	3,417.93	1/4	3,164.97	1/4	2,912.01	1/4	2,630.34	1/4	2,334.20	1/4	2,037.84
1/2		1/2		1/2		1/2	3,665.01	1/2	3,412.66	1/2	3,159.70	1/2	2,906.74	1/2	2,624.19	1/2	2,328.03	1/2	2,031.67
3/4		3/4		3/4		3/4	3,659.82	3/4	3,407.39	3/4	3,154.43	3/4	2,901.47	3/4	2,618.03	3/4	2,321.85	3/4	2,025.49
6		6		6		6	3,654.64	6	3,402.12	6	3,149.16	6	2,896.20	6	2,611.87	6	2,315.68	6	2,019.32
1/4		1/4		1/4		1/4	3,649.46	1/4	3,396.85	1/4	3,143.89	1/4	2,890.93	1/4	2,605.72	1/4	2,309.50	1/4	2,013.14
1/2		1/2		1/2		1/2	3,644.28	1/2	3,391.58	1/2	3,138.62	1/2	2,885.66	1/2	2,599.56	1/2	2,303.33	1/2	2,006.97
3/4		3/4		3/4		3/4	3,639.09	3/4	3,386.31	3/4	3,133.35	3/4	2,880.39	3/4	2,593.41	3/4	2,297.16	3/4	2,000.79
7		7		7		7	3,633.91	7	3,381.04	7	3,128.08	7	2,875.12	7	2,587.25	7	2,290.98	7	1,994.62
1/4		1/4		1/4		1/4	3,628.73	1/4	3,375.77	1/4	3,122.81	1/4	2,869.85	1/4	2,581.10	1/4	2,284.81	1/4	1,988.45
1/2		1/2		1/2		1/2	3,623.46	1/2	3,370.50	1/2	3,117.54	1/2	2,864.55	1/2	2,574.94	1/2	2,278.63	1/2	1,982.27
3/4		3/4		3/4		3/4	3,618.19	3/4	3,365.23	3/4	3,112.27	3/4	2,859.26	3/4	2,568.78	3/4	2,272.46	3/4	1,976.10
8		8		8		8	3,612.92	8	3,359.96	8	3,107.00	8	2,853.96	8	2,562.63	8	2,266.29	8	1,969.92
1/4		1/4		1/4		1/4	3,607.65	1/4	3,354.69	1/4	3,101.73	1/4	2,848.67	1/4	2,556.47	1/4	2,260.11	1/4	1,963.75
1/2		1/2		1/2		1/2	3,602.38	1/2	3,349.42	1/2	3,096.46	1/2	2,843.37	1/2	2,550.30	1/2	2,253.94	1/2	1,957.58
3/4		3/4		3/4		3/4	3,597.11	3/4	3,344.15	3/4	3,091.19	3/4	2,838.08	3/4	2,544.12	3/4	2,247.76	3/4	1,951.40
9		9		9		9	3,591.84	9	3,338.88	9	3,085.92	9	2,832.78	9	2,537.95	9	2,241.59	9	1,945.23
1/4		1/4		1/4		1/4	3,586.57	1/4	3,333.61	1/4	3,080.65	1/4	2,827.49	1/4	2,531.78	1/4	2,235.41	1/4	1,939.05
1/2		1/2		1/2		1/2	3,581.30	1/2	3,328.34	1/2	3,075.38	1/2	2,821.29	1/2	2,525.60	1/2	2,229.24	1/2	1,932.88
3/4		3/4		3/4		3/4	3,576.03	3/4	3,323.07	3/4	3,070.11	3/4	2,815.09	3/4	2,519.43	3/4	2,223.07	3/4	1,926.70
10		10		10		10	3,570.76	10	3,317.80	10	3,064.84	10	2,808.90	10	2,513.25	10	2,216.89	10	1,920.53
1/4		1/4		1/4		1/4	3,565.49	1/4	3,312.53	1/4	3,059.57	1/4	2,802.70	1/4	2,507.08	1/4	2,210.72	1/4	1,914.36
1/2		1/2		1/2		1/2	3,560.22	1/2	3,307.26	1/2	3,054.30	1/2	2,796.54	1/2	2,500.90	1/2	2,204.54	1/2	1,908.18
3/4		3/4		3/4		3/4	3,554.95	3/4	3,301.99	3/4	3,049.03	3/4	2,790.39	3/4	2,494.73	3/4	2,198.37	3/4	1,902.01
11		11		11		11	3,549.68	11	3,296.72	11	3,043.76	11	2,784.23	11	2,488.56	11	2,192.19	11	1,895.83
1/4		1/4		1/4	3,765.29	1/4	3,544.41	1/4	3,291.45	1/4	3,038.49	1/4	2,778.08	1/4	2,482.38	1/4	2,186.02	1/4	1,889.66
1/2		1/2		1/2	3,764.26	1/2	3,539.14	1/2	3,286.18	1/2	3,033.22	1/2	2,771.92	1/2	2,476.21	1/2	2,179.85	1/2	1,883.48
3/4		3/4		3/4	3,763.23	3/4	3,533.87	3/4	3,280.91	3/4	3,027.95	3/4	2,765.77	3/4	2,470.03	3/4	2,173.67	3/4	1,877.31

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
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BARGE "KIRBY 10545"

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.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
	1,871.14		1,574.51		1,277.74		980.96		690.26		393.30		96.42								
1/4	1,864.96	1/4	1,568.33	1/4	1,271.56	1/4	974.78	1/4	684.09	1/4	387.12	1/4	90.26	1/4		1/4		1/4		1/4	
1/2	1,858.79	1/2	1,562.15	1/2	1,265.37	1/2	968.66	1/2	677.91	1/2	380.93	1/2	84.13	1/2		1/2		1/2		1/2	
3/4	1,852.61	3/4	1,555.96	3/4	1,259.19	3/4	962.54	3/4	671.72	3/4	374.74	3/4	78.00	3/4		3/4		3/4		3/4	
1	1,846.44	1	1,549.78	1	1,253.01	1	956.42	1	665.53	1	368.56	1	71.87	1		1		1		1	
1/4	1,840.27	1/4	1,543.60	1/4	1,246.82	1/4	950.30	1/4	659.35	1/4	362.37	1/4	65.75	1/4		1/4		1/4		1/4	
1/2	1,834.09	1/2	1,537.42	1/2	1,240.64	1/2	944.24	1/2	653.16	1/2	356.18	1/2	59.68	1/2		1/2		1/2		1/2	
3/4	1,827.92	3/4	1,531.23	3/4	1,234.46	3/4	938.19	3/4	646.97	3/4	350.00	3/4	53.61	3/4		3/4		3/4		3/4	
2	1,821.74	2	1,525.05	2	1,228.28	2	932.13	2	640.79	2	343.81	2	47.54	2		2		2		2	
1/4	1,815.57	1/4	1,518.87	1/4	1,222.09	1/4	926.07	1/4	634.60	1/4	337.62	1/4	41.46	1/4		1/4		1/4		1/4	
1/2	1,809.39	1/2	1,512.69	1/2	1,215.91	1/2	920.02	1/2	628.41	1/2	331.43	1/2	36.31	1/2		1/2		1/2		1/2	
3/4	1,803.20	3/4	1,506.50	3/4	1,209.73	3/4	913.96	3/4	622.23	3/4	325.25	3/4	31.15	3/4		3/4		3/4		3/4	
3	1,797.02	3	1,500.32	3	1,203.55	3	907.91	3	616.04	3	319.06	3	25.99	3		3		3		3	
1/4	1,790.84	1/4	1,494.14	1/4	1,197.36	1/4	901.85	1/4	609.85	1/4	312.87	1/4	20.84	1/4		1/4		1/4		1/4	
1/2	1,784.66	1/2	1,487.95	1/2	1,191.18	1/2	895.81	1/2	603.67	1/2	306.69	1/2	17.74	1/2		1/2		1/2		1/2	
3/4	1,778.47	3/4	1,481.77	3/4	1,185.00	3/4	889.77	3/4	597.48	3/4	300.50	3/4	14.64	3/4		3/4		3/4		3/4	
4	1,772.29	4	1,475.59	4	1,178.81	4	883.73	4	591.29	4	294.31	4	11.54	4		4		4		4	
1/4	1,766.11	1/4	1,469.41	1/4	1,172.63	1/4	877.69	1/4	585.10	1/4	288.12	1/4	8.44	1/4		1/4		1/4		1/4	
1/2	1,759.93	1/2	1,463.22	1/2	1,166.45	1/2	871.67	1/2	578.92	1/2	281.94	1/2	7.41	1/2		1/2		1/2		1/2	
3/4	1,753.74	3/4	1,457.04	3/4	1,160.27	3/4	865.64	3/4	572.73	3/4	275.75	3/4	6.38	3/4		3/4		3/4		3/4	
5	1,747.56	5	1,450.86	5	1,154.08	5	859.62	5	566.54	5	269.56	5	5.34	5		5		5		5	
1/4	1,741.38	1/4	1,444.67	1/4	1,147.90	1/4	853.59	1/4	560.36	1/4	263.38	1/4	4.31	1/4		1/4		1/4		1/4	
1/2	1,735.20	1/2	1,438.49	1/2	1,141.72	1/2	847.57	1/2	554.17	1/2	257.19	1/2		1/2		1/2		1/2		1/2	
3/4	1,729.01	3/4	1,432.31	3/4	1,135.53	3/4	841.55	3/4	547.98	3/4	251.00	3/4		3/4		3/4		3/4		3/4	
6	1,722.83	6	1,426.13	6	1,129.35	6	835.52	6	541.80	6	244.81	6		6		6		6		6	
1/4	1,716.65	1/4	1,419.94	1/4	1,123.17	1/4	829.50	1/4	535.61	1/4	238.63	1/4		1/4		1/4		1/4		1/4	
1/2	1,710.47	1/2	1,413.76	1/2	1,116.99	1/2	823.48	1/2	529.42	1/2	232.44	1/2		1/2		1/2		1/2		1/2	
3/4	1,704.29	3/4	1,407.58	3/4	1,110.80	3/4	817.45	3/4	523.23	3/4	226.25	3/4		3/4		3/4		3/4		3/4	
7	1,698.11	7	1,401.39	7	1,104.62	7	811.43	7	517.05	7	220.07	7		7		7		7		7	
1/4	1,691.93	1/4	1,395.21	1/4	1,098.44	1/4	805.40	1/4	510.86	1/4	213.88	1/4		1/4		1/4		1/4		1/4	
1/2	1,685.75	1/2	1,389.03	1/2	1,092.25	1/2	799.38	1/2	504.67	1/2	207.69	1/2		1/2		1/2		1/2		1/2	
3/4	1,679.57	3/4	1,382.85	3/4	1,086.07	3/4	793.36	3/4	498.49	3/4	201.50	3/4		3/4		3/4		3/4		3/4	
8	1,673.40	8	1,376.66	8	1,079.89	8	787.33	8	492.30	8	195.32	8		8		8		8		8	
1/4	1,667.22	1/4	1,370.48	1/4	1,073.71	1/4	781.31	1/4	486.11	1/4	189.13	1/4		1/4		1/4		1/4		1/4	
1/2	1,661.04	1/2	1,364.30	1/2	1,067.52	1/2	775.28	1/2	479.92	1/2	182.94	1/2		1/2		1/2		1/2		1/2	
3/4	1,654.86	3/4	1,358.12	3/4	1,061.34	3/4	769.26	3/4	473.74	3/4	176.76	3/4		3/4		3/4		3/4		3/4	
9	1,648.68	9	1,351.93	9	1,055.16	9	763.24	9	467.55	9	170.57	9		9		9		9		9	
1/4	1,642.50	1/4	1,345.75	1/4	1,048.98	1/4	757.21	1/4	461.36	1/4	164.38	1/4		1/4		1/4		1/4		1/4	
1/2	1,636.32	1/2	1,339.57	1/2	1,042.79	1/2	751.19	1/2	455.18	1/2	158.19	1/2		1/2		1/2		1/2		1/2	
3/4	1,630.14	3/4	1,333.38	3/4	1,036.61	3/4	745.17	3/4	448.99	3/4	152.00	3/4		3/4		3/4		3/4		3/4	
10	1,623.96	10	1,327.20	10	1,030.43	10	739.14	10	442.80	10	145.81	10		10		10		10		10	
1/4	1,617.78	1/4	1,321.02	1/4	1,024.24	1/4	733.12	1/4	436.61	1/4	139.61	1/4		1/4		1/4		1/4		1/4	
1/2	1,611.60	1/2	1,314.84	1/2	1,018.06	1/2	727.03	1/2	430.43	1/2	133.43	1/2		1/2		1/2		1/2		1/2	
3/4	1,605.42	3/4	1,308.65	3/4	1,011.88	3/4	720.94	3/4	424.24	3/4	127.25	3/4		3/4		3/4		3/4		3/4	
11	1,599.24	11	1,302.47	11	1,005.70	11	714.86	11	418.05	11	121.07	11		11		11		11		11	
1/4	1,593.06	1/4	1,296.29	1/4	999.51	1/4	708.77	1/4	411.87	1/4	114.89	1/4		1/4		1/4		1/4		1/4	
1/2	1,586.88	1/2	1,290.10	1/2	993.33	1/2	702.60	1/2	405.68	1/2	108.74	1/2		1/2		1/2		1/2		1/2	
3/4	1,580.70	3/4	1,283.92	3/4	987.15	3/4	696.43	3/4	399.49	3/4	102.58	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 10545"

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	3,252.64	0	2,990.91	0	2,729.17	0	2,467.00	0	2,203.86	0	1,940.73
1/4		1/4		1/4		1/4	3,473.72	1/4	3,247.19	1/4	2,985.45	1/4	2,723.72	1/4	2,461.52	1/4	2,198.38	1/4	1,935.24
1/2		1/2		1/2		1/2	3,472.80	1/2	3,241.73	1/2	2,980.00	1/2	2,718.27	1/2	2,456.03	1/2	2,192.90	1/2	1,929.76
3/4		3/4		3/4		3/4	3,471.89	3/4	3,236.28	3/4	2,974.55	3/4	2,712.81	3/4	2,450.55	3/4	2,187.42	3/4	1,924.28
1		1		1		1	3,470.98	1	3,230.83	1	2,969.09	1	2,707.36	1	2,445.07	1	2,181.93	1	1,918.80
1/4		1/4		1/4		1/4	3,470.06	1/4	3,225.38	1/4	2,963.64	1/4	2,701.91	1/4	2,439.59	1/4	2,176.45	1/4	1,913.32
1/2		1/2		1/2		1/2	3,467.32	1/2	3,219.92	1/2	2,958.19	1/2	2,696.45	1/2	2,434.11	1/2	2,170.97	1/2	1,907.83
3/4		3/4		3/4		3/4	3,464.58	3/4	3,214.47	3/4	2,952.74	3/4	2,691.00	3/4	2,428.62	3/4	2,165.49	3/4	1,902.35
2		2		2		2	3,461.83	2	3,209.02	2	2,947.28	2	2,685.55	2	2,423.14	2	2,160.01	2	1,896.87
1/4		1/4		1/4		1/4	3,459.09	1/4	3,203.56	1/4	2,941.83	1/4	2,680.10	1/4	2,417.66	1/4	2,154.52	1/4	1,891.39
1/2		1/2		1/2		1/2	3,454.65	1/2	3,198.11	1/2	2,936.38	1/2	2,674.64	1/2	2,412.18	1/2	2,149.04	1/2	1,885.91
3/4		3/4		3/4		3/4	3,450.21	3/4	3,192.66	3/4	2,930.92	3/4	2,669.19	3/4	2,406.70	3/4	2,143.56	3/4	1,880.42
3		3		3		3	3,445.77	3	3,187.21	3	2,925.47	3	2,663.74	3	2,401.21	3	2,138.08	3	1,874.94
1/4		1/4		1/4		1/4	3,441.33	1/4	3,181.75	1/4	2,920.02	1/4	2,658.28	1/4	2,395.73	1/4	2,132.60	1/4	1,869.46
1/2		1/2		1/2		1/2	3,436.01	1/2	3,176.30	1/2	2,914.57	1/2	2,652.83	1/2	2,390.25	1/2	2,127.11	1/2	1,863.98
3/4		3/4		3/4		3/4	3,430.70	3/4	3,170.85	3/4	2,909.11	3/4	2,647.38	3/4	2,384.77	3/4	2,121.63	3/4	1,858.50
4		4		4		4	3,425.38	4	3,165.39	4	2,903.66	4	2,641.93	4	2,379.29	4	2,116.15	4	1,853.01
1/4		1/4		1/4		1/4	3,420.07	1/4	3,159.94	1/4	2,898.21	1/4	2,636.47	1/4	2,373.80	1/4	2,110.67	1/4	1,847.53
1/2		1/2		1/2		1/2	3,414.73	1/2	3,154.49	1/2	2,892.75	1/2	2,631.02	1/2	2,368.32	1/2	2,105.19	1/2	1,842.05
3/4		3/4		3/4		3/4	3,409.38	3/4	3,149.04	3/4	2,887.30	3/4	2,625.57	3/4	2,362.84	3/4	2,099.70	3/4	1,836.57
5		5		5		5	3,404.04	5	3,143.58	5	2,881.85	5	2,620.11	5	2,357.36	5	2,094.22	5	1,831.09
1/4		1/4		1/4		1/4	3,398.69	1/4	3,138.13	1/4	2,876.40	1/4	2,614.66	1/4	2,351.88	1/4	2,088.74	1/4	1,825.60
1/2		1/2		1/2		1/2	3,393.34	1/2	3,132.68	1/2	2,870.94	1/2	2,609.21	1/2	2,346.39	1/2	2,083.26	1/2	1,820.12
3/4		3/4		3/4		3/4	3,387.98	3/4	3,127.23	3/4	2,865.49	3/4	2,603.76	3/4	2,340.91	3/4	2,077.78	3/4	1,814.64
6		6		6		6	3,382.62	6	3,121.77	6	2,860.04	6	2,598.30	6	2,335.43	6	2,072.29	6	1,809.16
1/4		1/4		1/4		1/4	3,377.27	1/4	3,116.32	1/4	2,854.59	1/4	2,592.85	1/4	2,329.95	1/4	2,066.81	1/4	1,803.68
1/2		1/2		1/2		1/2	3,371.91	1/2	3,110.87	1/2	2,849.13	1/2	2,587.40	1/2	2,324.47	1/2	2,061.33	1/2	1,798.19
3/4		3/4		3/4		3/4	3,366.56	3/4	3,105.41	3/4	2,843.68	3/4	2,581.95	3/4	2,318.98	3/4	2,055.85	3/4	1,792.71
7		7		7		7	3,361.20	7	3,099.96	7	2,838.23	7	2,576.49	7	2,313.50	7	2,050.37	7	1,787.23
1/4		1/4		1/4		1/4	3,355.85	1/4	3,094.51	1/4	2,832.77	1/4	2,571.04	1/4	2,308.02	1/4	2,044.88	1/4	1,781.75
1/2		1/2		1/2		1/2	3,350.49	1/2	3,089.06	1/2	2,827.32	1/2	2,565.59	1/2	2,302.54	1/2	2,039.40	1/2	1,776.27
3/4		3/4		3/4		3/4	3,345.14	3/4	3,083.60	3/4	2,821.87	3/4	2,560.13	3/4	2,297.06	3/4	2,033.92	3/4	1,770.78
8		8		8		8	3,339.79	8	3,078.15	8	2,816.42	8	2,554.68	8	2,291.57	8	2,028.44	8	1,765.30
1/4		1/4		1/4		1/4	3,334.43	1/4	3,072.70	1/4	2,810.96	1/4	2,549.23	1/4	2,286.09	1/4	2,022.96	1/4	1,759.82
1/2		1/2		1/2		1/2	3,328.98	1/2	3,067.24	1/2	2,805.51	1/2	2,543.75	1/2	2,280.61	1/2	2,017.47	1/2	1,754.34
3/4		3/4		3/4		3/4	3,323.53	3/4	3,061.79	3/4	2,800.06	3/4	2,538.26	3/4	2,275.13	3/4	2,011.99	3/4	1,748.86
9		9		9		9	3,318.07	9	3,056.34	9	2,794.60	9	2,532.78	9	2,269.65	9	2,006.51	9	1,743.37
1/4		1/4		1/4		1/4	3,312.62	1/4	3,050.89	1/4	2,789.15	1/4	2,527.30	1/4	2,264.16	1/4	2,001.03	1/4	1,737.89
1/2		1/2		1/2		1/2	3,307.17	1/2	3,045.43	1/2	2,783.70	1/2	2,521.82	1/2	2,258.68	1/2	1,995.55	1/2	1,732.41
3/4		3/4		3/4		3/4	3,301.71	3/4	3,039.98	3/4	2,778.25	3/4	2,516.34	3/4	2,253.20	3/4	1,990.06	3/4	1,726.93
10		10		10		10	3,296.26	10	3,034.53	10	2,772.79	10	2,510.85	10	2,247.72	10	1,984.58	10	1,721.45
1/4		1/4		1/4		1/4	3,290.81	1/4	3,029.07	1/4	2,767.34	1/4	2,505.37	1/4	2,242.24	1/4	1,979.10	1/4	1,715.96
1/2		1/2		1/2		1/2	3,285.36	1/2	3,023.62	1/2	2,761.89	1/2	2,499.89	1/2	2,236.75	1/2	1,973.62	1/2	1,710.48
3/4		3/4		3/4		3/4	3,279.90	3/4	3,018.17	3/4	2,756.43	3/4	2,494.41	3/4	2,231.27	3/4	1,968.14	3/4	1,705.00
11		11		11		11	3,274.45	11	3,012.72	11	2,750.98	11	2,488.93	11	2,225.79	11	1,962.65	11	1,699.52
1/4		1/4		1/4		1/4	3,269.00	1/4	3,007.26	1/4	2,745.53	1/4	2,483.44	1/4	2,220.31	1/4	1,957.17	1/4	1,694.04
1/2		1/2		1/2		1/2	3,263.55	1/2	3,001.81	1/2	2,740.08	1/2	2,477.96	1/2	2,214.83	1/2	1,951.69	1/2	1,688.55
3/4		3/4		3/4		3/4	3,258.09	3/4	2,996.36	3/4	2,734.62	3/4	2,472.48	3/4	2,209.34	3/4	1,946.21	3/4	1,683.07

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 27'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 10545"

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	1,677.59	0	1,414.45	0	1,151.15	0	889.63	0	630.45	0	367.21	0	104.00	0		0		0	
1/4	1,672.11	1/4	1,408.97	1/4	1,145.67	1/4	884.23	1/4	625.01	1/4	361.72	1/4	98.53	1/4		1/4		1/4	
1/2	1,666.63	1/2	1,403.49	1/2	1,140.18	1/2	878.83	1/2	619.52	1/2	356.24	1/2	93.08	1/2		1/2		1/2	
3/4	1,661.14	3/4	1,398.00	3/4	1,134.70	3/4	873.43	3/4	614.04	3/4	350.75	3/4	87.63	3/4		3/4		3/4	
1	1,655.66	1	1,392.52	1	1,129.21	1	868.03	1	608.55	1	345.27	1	82.18	1		1		1	
1/4	1,650.18	1/4	1,387.03	1/4	1,123.73	1/4	862.63	1/4	603.07	1/4	339.78	1/4	76.73	1/4		1/4		1/4	
1/2	1,644.70	1/2	1,381.54	1/2	1,118.24	1/2	857.23	1/2	597.58	1/2	334.30	1/2	71.31	1/2		1/2		1/2	
3/4	1,639.22	3/4	1,376.06	3/4	1,112.76	3/4	851.83	3/4	592.10	3/4	328.81	3/4	65.89	3/4		3/4		3/4	
2	1,633.73	2	1,370.57	2	1,107.27	2	846.42	2	586.61	2	323.33	2	60.46	2		2		2	
1/4	1,628.25	1/4	1,365.09	1/4	1,101.78	1/4	841.02	1/4	581.13	1/4	317.84	1/4	55.04	1/4		1/4		1/4	
1/2	1,622.77	1/2	1,359.60	1/2	1,096.30	1/2	835.62	1/2	575.64	1/2	312.36	1/2	49.67	1/2		1/2		1/2	
3/4	1,617.29	3/4	1,354.12	3/4	1,090.81	3/4	830.22	3/4	570.16	3/4	306.87	3/4	44.30	3/4		3/4		3/4	
3	1,611.81	3	1,348.63	3	1,085.33	3	824.82	3	564.67	3	301.39	3	38.93	3		3		3	
1/4	1,606.32	1/4	1,343.15	1/4	1,079.84	1/4	819.42	1/4	559.19	1/4	295.90	1/4	33.56	1/4		1/4		1/4	
1/2	1,600.84	1/2	1,337.66	1/2	1,074.36	1/2	814.03	1/2	553.70	1/2	290.42	1/2	28.99	1/2		1/2		1/2	
3/4	1,595.36	3/4	1,332.18	3/4	1,068.87	3/4	808.63	3/4	548.22	3/4	284.93	3/4	24.43	3/4		3/4		3/4	
4	1,589.88	4	1,326.69	4	1,063.39	4	803.24	4	542.73	4	279.45	4	19.87	4		4		4	
1/4	1,584.40	1/4	1,321.20	1/4	1,057.90	1/4	797.84	1/4	537.25	1/4	273.96	1/4	15.30	1/4		1/4		1/4	
1/2	1,578.91	1/2	1,315.72	1/2	1,052.41	1/2	792.44	1/2	531.76	1/2	268.48	1/2	12.56	1/2		1/2		1/2	
3/4	1,573.43	3/4	1,310.23	3/4	1,046.93	3/4	787.05	3/4	526.28	3/4	262.99	3/4	9.82	3/4		3/4		3/4	
5	1,567.95	5	1,304.75	5	1,041.44	5	781.65	5	520.79	5	257.51	5	7.08	5		5		5	
1/4	1,562.47	1/4	1,299.26	1/4	1,035.96	1/4	776.26	1/4	515.31	1/4	252.02	1/4	4.33	1/4		1/4		1/4	
1/2	1,556.99	1/2	1,293.78	1/2	1,030.47	1/2	770.86	1/2	509.82	1/2	246.54	1/2	3.42	1/2		1/2		1/2	
3/4	1,551.50	3/4	1,288.29	3/4	1,024.99	3/4	765.47	3/4	504.34	3/4	241.05	3/4	2.51	3/4		3/4		3/4	
6	1,546.02	6	1,282.81	6	1,019.50	6	760.07	6	498.85	6	235.57	6	1.59	6		6		6	
1/4	1,540.54	1/4	1,277.32	1/4	1,014.02	1/4	754.68	1/4	493.37	1/4	230.08	1/4	0.68	1/4		1/4		1/4	
1/2	1,535.06	1/2	1,271.83	1/2	1,008.57	1/2	749.28	1/2	487.88	1/2	224.60	1/2		1/2		1/2		1/2	
3/4	1,529.58	3/4	1,266.35	3/4	1,003.13	3/4	743.89	3/4	482.40	3/4	219.11	3/4		3/4		3/4		3/4	
7	1,524.09	7	1,260.86	7	997.68	7	738.49	7	476.91	7	213.63	7		7		7		7	
1/4	1,518.61	1/4	1,255.38	1/4	992.24	1/4	733.10	1/4	471.43	1/4	208.14	1/4		1/4		1/4		1/4	
1/2	1,513.13	1/2	1,249.89	1/2	986.84	1/2	727.70	1/2	465.94	1/2	202.66	1/2		1/2		1/2		1/2	
3/4	1,507.65	3/4	1,244.41	3/4	981.44	3/4	722.30	3/4	460.46	3/4	197.17	3/4		3/4		3/4		3/4	
8	1,502.17	8	1,238.92	8	976.04	8	716.91	8	454.97	8	191.69	8		8		8		8	
1/4	1,496.68	1/4	1,233.44	1/4	970.64	1/4	711.51	1/4	449.49	1/4	186.20	1/4		1/4		1/4		1/4	
1/2	1,491.20	1/2	1,227.95	1/2	965.24	1/2	706.12	1/2	444.00	1/2	180.72	1/2		1/2		1/2		1/2	
3/4	1,485.72	3/4	1,222.47	3/4	959.84	3/4	700.72	3/4	438.52	3/4	175.23	3/4		3/4		3/4		3/4	
9	1,480.24	9	1,216.98	9	954.44	9	695.33	9	433.03	9	169.75	9		9		9		9	
1/4	1,474.76	1/4	1,211.49	1/4	949.04	1/4	689.93	1/4	427.55	1/4	164.26	1/4		1/4		1/4		1/4	
1/2	1,469.27	1/2	1,206.01	1/2	943.64	1/2	684.54	1/2	422.06	1/2	158.78	1/2		1/2		1/2		1/2	
3/4	1,463.79	3/4	1,200.52	3/4	938.24	3/4	679.14	3/4	416.57	3/4	153.29	3/4		3/4		3/4		3/4	
10	1,458.31	10	1,195.04	10	932.83	10	673.75	10	411.09	10	147.81	10		10		10		10	
1/4	1,452.83	1/4	1,189.55	1/4	927.43	1/4	668.35	1/4	405.60	1/4	142.32	1/4		1/4		1/4		1/4	
1/2	1,447.35	1/2	1,184.07	1/2	922.03	1/2	662.96	1/2	400.12	1/2	136.84	1/2		1/2		1/2		1/2	
3/4	1,441.86	3/4	1,178.58	3/4	916.63	3/4	657.56	3/4	394.63	3/4	131.36	3/4		3/4		3/4		3/4	
11	1,436.38	11	1,173.10	11	911.23	11	652.17	11	389.15	11	125.88	11		11		11		11	
1/4	1,430.90	1/4	1,167.61	1/4	905.83	1/4	646.77	1/4	383.66	1/4	120.40	1/4		1/4		1/4		1/4	
1/2	1,425.42	1/2	1,162.12	1/2	900.43	1/2	641.33	1/2	378.18	1/2	114.94	1/2		1/2		1/2		1/2	
3/4	1,419.94	3/4	1,156.64	3/4	895.03	3/4	635.89	3/4	372.69	3/4	109.47	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
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BARGE "KIRBY 10545"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/2"

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

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 27'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 10545"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	1,650.16	1/4	1,388.57	1/4	1,126.82	1/4	866.05	1/4	604.96	1/4	343.23	1/4	81.70	1/4		1/4		1/4	
1/2	1,644.71	1/2	1,383.12	1/2	1,121.37	1/2	860.64	1/2	599.51	1/2	337.78	1/2	76.28	1/2		1/2		1/2	
3/4	1,639.26	3/4	1,377.66	3/4	1,115.91	3/4	855.22	3/4	594.06	3/4	332.33	3/4	70.89	3/4		3/4		3/4	
0	1,633.81	1	1,372.21	1	1,110.46	1	849.80	1	588.61	1	326.88	1	65.50	1		1		1	
1/4	1,628.36	1/4	1,366.76	1/4	1,105.01	1/4	844.39	1/4	583.15	1/4	321.42	1/4	60.11	1/4		1/4		1/4	
1/2	1,622.91	1/2	1,361.30	1/2	1,099.56	1/2	838.97	1/2	577.70	1/2	315.97	1/2	54.72	1/2		1/2		1/2	
3/4	1,617.46	3/4	1,355.85	3/4	1,094.10	3/4	833.55	3/4	572.25	3/4	310.52	3/4	49.38	3/4		3/4		3/4	
2	1,612.01	2	1,350.40	2	1,088.65	2	828.14	2	566.80	2	305.07	2	44.04	2		2		2	
1/4	1,606.56	1/4	1,344.94	1/4	1,083.20	1/4	822.72	1/4	561.34	1/4	299.61	1/4	38.70	1/4		1/4		1/4	
1/2	1,601.11	1/2	1,339.49	1/2	1,077.74	1/2	817.30	1/2	555.89	1/2	294.16	1/2	33.36	1/2		1/2		1/2	
3/4	1,595.66	3/4	1,334.04	3/4	1,072.29	3/4	811.89	3/4	550.44	3/4	288.71	3/4	28.83	3/4		3/4		3/4	
3	1,590.22	3	1,328.59	3	1,066.84	3	806.48	3	544.98	3	283.25	3	24.29	3		3		3	
1/4	1,584.77	1/4	1,323.13	1/4	1,061.38	1/4	801.07	1/4	539.53	1/4	277.80	1/4	19.75	1/4		1/4		1/4	
1/2	1,579.32	1/2	1,317.68	1/2	1,055.93	1/2	795.66	1/2	534.08	1/2	272.35	1/2	15.22	1/2		1/2		1/2	
3/4	1,573.87	3/4	1,312.23	3/4	1,050.48	3/4	790.21	3/4	528.63	3/4	266.90	3/4	12.49	3/4		3/4		3/4	
4	1,568.42	4	1,306.77	4	1,045.02	4	784.76	4	523.17	4	261.44	4	9.76	4		4		4	
1/4	1,562.97	1/4	1,301.32	1/4	1,039.57	1/4	779.32	1/4	517.72	1/4	255.99	1/4	7.04	1/4		1/4		1/4	
1/2	1,557.52	1/2	1,295.87	1/2	1,034.12	1/2	773.87	1/2	512.27	1/2	250.54	1/2	4.31	1/2		1/2		1/2	
3/4	1,552.07	3/4	1,290.41	3/4	1,028.66	3/4	768.42	3/4	506.82	3/4	245.09	3/4	3.40	3/4		3/4		3/4	
5	1,546.62	5	1,284.96	5	1,023.21	5	762.97	5	501.36	5	239.63	5	2.50	5		5		5	
1/4	1,541.17	1/4	1,279.51	1/4	1,017.76	1/4	757.52	1/4	495.91	1/4	234.18	1/4	1.59	1/4		1/4		1/4	
1/2	1,535.72	1/2	1,274.05	1/2	1,012.31	1/2	752.08	1/2	490.46	1/2	228.73	1/2	0.68	1/2		1/2		1/2	
3/4	1,530.27	3/4	1,268.60	3/4	1,006.89	3/4	746.63	3/4	485.00	3/4	223.28	3/4		3/4		3/4		3/4	
6	1,524.82	6	1,263.15	6	1,001.47	6	741.18	6	479.55	6	217.82	6		6		6		6	
1/4	1,519.37	1/4	1,257.69	1/4	996.06	1/4	735.73	1/4	474.10	1/4	212.37	1/4		1/4		1/4		1/4	
1/2	1,513.92	1/2	1,252.24	1/2	990.64	1/2	730.29	1/2	468.65	1/2	206.92	1/2		1/2		1/2		1/2	
3/4	1,508.47	3/4	1,246.79	3/4	985.22	3/4	724.84	3/4	463.19	3/4	201.46	3/4		3/4		3/4		3/4	
7	1,503.02	7	1,241.34	7	979.81	7	719.39	7	457.74	7	196.01	7		7		7		7	
1/4	1,497.57	1/4	1,235.88	1/4	974.39	1/4	713.94	1/4	452.29	1/4	190.56	1/4		1/4		1/4		1/4	
1/2	1,492.12	1/2	1,230.43	1/2	968.97	1/2	708.50	1/2	446.84	1/2	185.11	1/2		1/2		1/2		1/2	
3/4	1,486.67	3/4	1,224.98	3/4	963.56	3/4	703.05	3/4	441.38	3/4	179.65	3/4		3/4		3/4		3/4	
8	1,481.22	8	1,219.52	8	958.14	8	697.60	8	435.93	8	174.20	8		8		8		8	
1/4	1,475.77	1/4	1,214.07	1/4	952.72	1/4	692.15	1/4	430.48	1/4	168.75	1/4		1/4		1/4		1/4	
1/2	1,470.32	1/2	1,208.62	1/2	947.31	1/2	686.70	1/2	425.03	1/2	163.30	1/2		1/2		1/2		1/2	
3/4	1,464.87	3/4	1,203.16	3/4	941.89	3/4	681.26	3/4	419.57	3/4	157.84	3/4		3/4		3/4		3/4	
9	1,459.42	9	1,197.71	9	936.47	9	675.81	9	414.12	9	152.39	9		9		9		9	
1/4	1,453.98	1/4	1,192.26	1/4	931.05	1/4	670.36	1/4	408.67	1/4	146.94	1/4		1/4		1/4		1/4	
1/2	1,448.53	1/2	1,186.80	1/2	925.64	1/2	664.91	1/2	403.21	1/2	141.49	1/2		1/2		1/2		1/2	
3/4	1,443.08	3/4	1,181.35	3/4	920.22	3/4	659.47	3/4	397.76	3/4	136.04	3/4		3/4		3/4		3/4	
10	1,437.63	10	1,175.90	10	914.80	10	654.02	10	392.31	10	130.59	10		10		10		10	
1/4	1,432.18	1/4	1,170.45	1/4	909.39	1/4	648.57	1/4	386.86	1/4	125.15	1/4		1/4		1/4		1/4	
1/2	1,426.73	1/2	1,164.99	1/2	903.97	1/2	643.13	1/2	381.40	1/2	119.70	1/2		1/2		1/2		1/2	
3/4	1,421.28	3/4	1,159.54	3/4	898.55	3/4	637.67	3/4	375.95	3/4	114.26	3/4		3/4		3/4		3/4	
11	1,415.83	11	1,154.09	11	893.14	11	632.22	11	370.50	11	108.83	11		11		11		11	
1/4	1,410.38	1/4	1,148.63	1/4	887.72	1/4	626.77	1/4	365.05	1/4	103.39	1/4		1/4		1/4		1/4	
1/2	1,404.93	1/2	1,143.18	1/2	882.30	1/2	621.32	1/2	359.59	1/2	97.95	1/2		1/2		1/2		1/2	
3/4	1,399.48	3/4	1,137.73	3/4	876.89	3/4	615.87	3/4	354.14	3/4	92.54	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
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