



BARGE "KIRBY 10540"

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	00-1/4	- 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"

July 11, 2012

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

<http://www.pmacorp.net>



BARGE "KIRBY 10540"

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	3,755.91	0	3,522.70	0	3,270.17	0	3,017.63	0	2,755.00	0	2,459.75	0	2,163.88
1/4		1/4		1/4		1/4	3,754.88	1/4	3,517.44	1/4	3,264.91	1/4	3,012.37	1/4	2,748.86	1/4	2,453.58	1/4	2,157.72
1/2		1/2		1/2		1/2	3,751.78	1/2	3,512.18	1/2	3,259.64	1/2	3,007.11	1/2	2,742.71	1/2	2,447.42	1/2	2,151.55
3/4		3/4		3/4		3/4	3,748.69	3/4	3,506.92	3/4	3,254.38	3/4	3,001.85	3/4	2,736.57	3/4	2,441.26	3/4	2,145.39
1		1		1		1	3,745.60	1	3,501.66	1	3,249.12	1	3,000.58	1	2,730.42	1	2,435.09	1	2,139.22
1/4		1/4		1/4		1/4	3,742.50	1/4	3,496.40	1/4	3,243.86	1/4	2,991.32	1/4	2,724.28	1/4	2,428.93	1/4	2,133.06
1/2		1/2		1/2		1/2	3,738.36	1/2	3,491.14	1/2	3,238.60	1/2	2,986.06	1/2	2,718.13	1/2	2,422.76	1/2	2,126.90
3/4		3/4		3/4		3/4	3,734.21	3/4	3,485.88	3/4	3,233.34	3/4	2,980.80	3/4	2,711.99	3/4	2,416.60	3/4	2,120.73
2		2		2		2	3,730.07	2	3,480.61	2	3,228.08	2	2,975.54	2	2,705.84	2	2,410.44	2	2,114.57
1/4		1/4		1/4		1/4	3,725.93	1/4	3,475.35	1/4	3,222.82	1/4	2,970.28	1/4	2,699.69	1/4	2,404.27	1/4	2,108.40
1/2		1/2		1/2		1/2	3,720.80	1/2	3,470.09	1/2	3,217.55	1/2	2,965.02	1/2	2,693.55	1/2	2,398.11	1/2	2,102.24
3/4		3/4		3/4		3/4	3,715.67	3/4	3,464.83	3/4	3,212.29	3/4	2,959.76	3/4	2,687.40	3/4	2,391.94	3/4	2,096.08
3		3		3		3	3,710.55	3	3,459.57	3	3,207.03	3	2,954.49	3	2,681.26	3	2,385.78	3	2,089.91
1/4		1/4		1/4		1/4	3,705.42	1/4	3,454.31	1/4	3,201.77	1/4	2,949.23	1/4	2,675.11	1/4	2,379.62	1/4	2,083.75
1/2		1/2		1/2		1/2	3,700.26	1/2	3,449.05	1/2	3,196.51	1/2	2,943.97	1/2	2,668.97	1/2	2,373.45	1/2	2,077.59
3/4		3/4		3/4		3/4	3,695.09	3/4	3,443.79	3/4	3,191.25	3/4	2,938.71	3/4	2,662.82	3/4	2,367.29	3/4	2,071.42
4		4		4		4	3,689.93	4	3,438.52	4	3,185.99	4	2,933.45	4	2,656.68	4	2,361.12	4	2,065.26
1/4		1/4		1/4		1/4	3,684.77	1/4	3,433.26	1/4	3,180.73	1/4	2,928.19	1/4	2,650.53	1/4	2,354.96	1/4	2,059.09
1/2		1/2		1/2		1/2	3,679.59	1/2	3,428.00	1/2	3,175.46	1/2	2,922.93	1/2	2,644.39	1/2	2,348.80	1/2	2,052.93
3/4		3/4		3/4		3/4	3,674.42	3/4	3,422.74	3/4	3,170.20	3/4	2,917.67	3/4	2,638.24	3/4	2,342.63	3/4	2,046.77
5		5		5		5	3,669.24	5	3,417.48	5	3,164.94	5	2,912.40	5	2,632.10	5	2,336.47	5	2,040.60
1/4		1/4		1/4		1/4	3,664.06	1/4	3,412.22	1/4	3,159.68	1/4	2,907.14	1/4	2,625.95	1/4	2,330.30	1/4	2,034.44
1/2		1/2		1/2		1/2	3,658.89	1/2	3,406.96	1/2	3,154.42	1/2	2,901.88	1/2	2,619.80	1/2	2,324.14	1/2	2,028.27
3/4		3/4		3/4		3/4	3,653.71	3/4	3,401.70	3/4	3,149.16	3/4	2,896.62	3/4	2,613.66	3/4	2,317.98	3/4	2,022.11
6		6		6		6	3,648.54	6	3,396.44	6	3,143.90	6	2,891.36	6	2,607.51	6	2,311.81	6	2,015.95
1/4		1/4		1/4		1/4	3,643.36	1/4	3,391.17	1/4	3,138.64	1/4	2,886.10	1/4	2,601.37	1/4	2,305.65	1/4	2,009.78
1/2		1/2		1/2		1/2	3,638.19	1/2	3,385.91	1/2	3,133.38	1/2	2,880.84	1/2	2,595.22	1/2	2,299.49	1/2	2,003.62
3/4		3/4		3/4		3/4	3,633.02	3/4	3,380.65	3/4	3,128.11	3/4	2,875.58	3/4	2,589.08	3/4	2,293.32	3/4	1,997.45
7		7		7		7	3,627.84	7	3,375.39	7	3,122.85	7	2,870.32	7	2,582.93	7	2,287.16	7	1,991.29
1/4		1/4		1/4		1/4	3,622.67	1/4	3,370.13	1/4	3,117.59	1/4	2,865.05	1/4	2,576.79	1/4	2,280.99	1/4	1,985.13
1/2		1/2		1/2		1/2	3,617.41	1/2	3,364.87	1/2	3,112.33	1/2	2,859.77	1/2	2,570.64	1/2	2,274.83	1/2	1,978.96
3/4		3/4		3/4		3/4	3,612.14	3/4	3,359.61	3/4	3,107.07	3/4	2,854.48	3/4	2,564.50	3/4	2,268.67	3/4	1,972.80
8		8		8		8	3,606.88	8	3,354.35	8	3,101.81	8	2,849.20	8	2,558.35	8	2,262.50	8	1,966.63
1/4		1/4		1/4		1/4	3,601.62	1/4	3,349.08	1/4	3,096.55	1/4	2,843.91	1/4	2,552.21	1/4	2,256.34	1/4	1,960.47
1/2		1/2		1/2		1/2	3,596.36	1/2	3,343.82	1/2	3,091.29	1/2	2,838.62	1/2	2,546.04	1/2	2,250.17	1/2	1,954.31
3/4		3/4		3/4		3/4	3,591.10	3/4	3,338.56	3/4	3,086.02	3/4	2,833.34	3/4	2,539.88	3/4	2,244.01	3/4	1,948.14
9		9		9		9	3,585.84	9	3,333.30	9	3,080.76	9	2,828.05	9	2,533.71	9	2,237.85	9	1,941.98
1/4		1/4		1/4		1/4	3,580.58	1/4	3,328.04	1/4	3,075.50	1/4	2,822.77	1/4	2,527.55	1/4	2,231.68	1/4	1,935.82
1/2		1/2		1/2		1/2	3,575.32	1/2	3,322.78	1/2	3,070.24	1/2	2,816.58	1/2	2,521.39	1/2	2,225.52	1/2	1,929.65
3/4		3/4		3/4		3/4	3,570.05	3/4	3,317.52	3/4	3,064.98	3/4	2,810.39	3/4	2,515.22	3/4	2,219.35	3/4	1,923.49
10		10		10		10	3,564.79	10	3,312.26	10	3,059.72	10	2,804.21	10	2,509.06	10	2,213.19	10	1,917.32
1/4		1/4		1/4		1/4	3,559.53	1/4	3,306.99	1/4	3,054.46	1/4	2,798.02	1/4	2,502.89	1/4	2,207.03	1/4	1,911.16
1/2		1/2		1/2		1/2	3,554.27	1/2	3,301.73	1/2	3,049.20	1/2	2,791.88	1/2	2,496.73	1/2	2,200.86	1/2	1,905.00
3/4		3/4		3/4		3/4	3,549.01	3/4	3,296.47	3/4	3,043.93	3/4	2,785.73	3/4	2,490.57	3/4	2,194.70	3/4	1,898.83
11		11		11		11	3,543.75	11	3,291.21	11	3,038.67	11	2,779.59	11	2,484.40	11	2,188.54	11	1,892.67
1/4		1/4		1/4	3,759.01	1/4	3,538.49	1/4	3,285.95	1/4	3,033.41	1/4	2,773.44	1/4	2,478.24	1/4	2,182.37	1/4	1,886.50
1/2		1/2		1/2	3,757.97	1/2	3,533.23	1/2	3,280.69	1/2	3,028.15	1/2	2,767.29	1/2	2,472.07	1/2	2,176.21	1/2	1,880.34
3/4		3/4		3/4	3,756.94	3/4	3,527.97	3/4	3,275.43	3/4	3,022.89	3/4	2,761.15	3/4	2,465.91	3/4	2,170.04	3/4	1,874.18

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 10540"

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	1,868.01	0	1,571.89	0	1,275.61	0	979.33	0	689.11	0	392.65	0	96.26	0		0		0	
1/4	1,861.85	1/4	1,565.71	1/4	1,269.43	1/4	973.15	1/4	682.95	1/4	386.47	1/4	90.11	1/4	1/4	1/4		1/4	
1/2	1,855.68	1/2	1,559.54	1/2	1,263.26	1/2	967.04	1/2	676.77	1/2	380.30	1/2	83.99	1/2	1/2	1/2		1/2	
3/4	1,849.52	3/4	1,553.37	3/4	1,257.09	3/4	960.93	3/4	670.60	3/4	374.12	3/4	77.87	3/4	3/4	3/4		3/4	
1	1,843.36	1	1,547.20	1	1,250.92	1	954.82	1	664.42	1	367.94	1	71.76	1	1	1		1	
1/4	1,837.19	1/4	1,541.02	1/4	1,244.74	1/4	948.71	1/4	658.25	1/4	361.76	1/4	65.64	1/4	1/4	1/4		1/4	
1/2	1,831.03	1/2	1,534.85	1/2	1,238.57	1/2	942.67	1/2	652.07	1/2	355.59	1/2	59.58	1/2	1/2	1/2		1/2	
3/4	1,824.87	3/4	1,528.68	3/4	1,232.40	3/4	936.62	3/4	645.90	3/4	349.41	3/4	53.52	3/4	3/4	3/4		3/4	
2	1,818.70	2	1,522.51	2	1,226.23	2	930.57	2	639.72	2	343.23	2	47.46	2	2	2		2	
1/4	1,812.54	1/4	1,516.33	1/4	1,220.05	1/4	924.53	1/4	633.54	1/4	337.06	1/4	41.40	1/4	1/4	1/4		1/4	
1/2	1,806.37	1/2	1,510.16	1/2	1,213.88	1/2	918.48	1/2	627.37	1/2	330.88	1/2	36.25	1/2	1/2	1/2		1/2	
3/4	1,800.19	3/4	1,503.99	3/4	1,207.71	3/4	912.44	3/4	621.19	3/4	324.70	3/4	31.10	3/4	3/4	3/4		3/4	
3	1,794.02	3	1,497.82	3	1,201.54	3	906.39	3	615.01	3	318.53	3	25.95	3	3	3		3	
1/4	1,787.85	1/4	1,491.64	1/4	1,195.36	1/4	900.34	1/4	608.84	1/4	312.35	1/4	20.80	1/4	1/4	1/4		1/4	
1/2	1,781.68	1/2	1,485.47	1/2	1,189.19	1/2	894.31	1/2	602.66	1/2	306.17	1/2	17.71	1/2	1/2	1/2		1/2	
3/4	1,775.50	3/4	1,479.30	3/4	1,183.02	3/4	888.28	3/4	596.48	3/4	300.00	3/4	14.62	3/4	3/4	3/4		3/4	
4	1,769.33	4	1,473.13	4	1,176.85	4	882.25	4	590.31	4	293.82	4	11.52	4	4	4		4	
1/4	1,763.16	1/4	1,466.95	1/4	1,170.67	1/4	876.22	1/4	584.13	1/4	287.64	1/4	8.43	1/4	1/4	1/4		1/4	
1/2	1,756.99	1/2	1,460.78	1/2	1,164.50	1/2	870.21	1/2	577.95	1/2	281.47	1/2	7.40	1/2	1/2	1/2		1/2	
3/4	1,750.81	3/4	1,454.61	3/4	1,158.33	3/4	864.20	3/4	571.78	3/4	275.29	3/4	6.37	3/4	3/4	3/4		3/4	
5	1,744.64	5	1,448.44	5	1,152.16	5	858.18	5	565.60	5	269.11	5	5.34	5	5	5		5	
1/4	1,738.47	1/4	1,442.26	1/4	1,145.98	1/4	852.17	1/4	559.42	1/4	262.94	1/4	4.30	1/4	1/4	1/4		1/4	
1/2	1,732.30	1/2	1,436.09	1/2	1,139.81	1/2	846.15	1/2	553.25	1/2	256.76	1/2		1/2	1/2	1/2		1/2	
3/4	1,726.13	3/4	1,429.92	3/4	1,133.64	3/4	840.14	3/4	547.07	3/4	250.58	3/4		3/4	3/4	3/4		3/4	
6	1,719.96	6	1,423.75	6	1,127.47	6	834.13	6	540.89	6	244.41	6		6	6	6		6	
1/4	1,713.79	1/4	1,417.57	1/4	1,121.29	1/4	828.11	1/4	534.72	1/4	238.23	1/4		1/4	1/4	1/4		1/4	
1/2	1,707.62	1/2	1,411.40	1/2	1,115.12	1/2	822.10	1/2	528.54	1/2	232.05	1/2		1/2	1/2	1/2		1/2	
3/4	1,701.45	3/4	1,405.23	3/4	1,108.95	3/4	816.09	3/4	522.36	3/4	225.88	3/4		3/4	3/4	3/4		3/4	
7	1,695.28	7	1,399.06	7	1,102.78	7	810.07	7	516.18	7	219.70	7		7	7	7		7	
1/4	1,689.11	1/4	1,392.88	1/4	1,096.60	1/4	804.06	1/4	510.01	1/4	213.52	1/4		1/4	1/4	1/4		1/4	
1/2	1,682.94	1/2	1,386.71	1/2	1,090.43	1/2	798.04	1/2	503.83	1/2	207.34	1/2		1/2	1/2	1/2		1/2	
3/4	1,676.77	3/4	1,380.54	3/4	1,084.26	3/4	792.03	3/4	497.65	3/4	201.17	3/4		3/4	3/4	3/4		3/4	
8	1,670.60	8	1,374.37	8	1,078.09	8	786.02	8	491.48	8	194.99	8		8	8	8		8	
1/4	1,664.43	1/4	1,368.19	1/4	1,071.91	1/4	780.00	1/4	485.30	1/4	188.81	1/4		1/4	1/4	1/4		1/4	
1/2	1,658.26	1/2	1,362.02	1/2	1,065.74	1/2	773.99	1/2	479.12	1/2	182.64	1/2		1/2	1/2	1/2		1/2	
3/4	1,652.09	3/4	1,355.85	3/4	1,059.57	3/4	767.98	3/4	472.95	3/4	176.46	3/4		3/4	3/4	3/4		3/4	
9	1,645.93	9	1,349.68	9	1,053.40	9	761.96	9	466.77	9	170.29	9		9	9	9		9	
1/4	1,639.76	1/4	1,343.50	1/4	1,047.22	1/4	755.95	1/4	460.59	1/4	164.11	1/4		1/4	1/4	1/4		1/4	
1/2	1,633.59	1/2	1,337.33	1/2	1,041.05	1/2	749.94	1/2	454.42	1/2	157.93	1/2		1/2	1/2	1/2		1/2	
3/4	1,627.42	3/4	1,331.16	3/4	1,034.88	3/4	743.92	3/4	448.24	3/4	151.75	3/4		3/4	3/4	3/4		3/4	
10	1,621.25	10	1,324.99	10	1,028.71	10	737.91	10	442.06	10	145.56	10		10	10	10		10	
1/4	1,615.08	1/4	1,318.81	1/4	1,022.53	1/4	731.89	1/4	435.89	1/4	139.38	1/4		1/4	1/4	1/4		1/4	
1/2	1,608.91	1/2	1,312.64	1/2	1,016.36	1/2	725.82	1/2	429.71	1/2	133.21	1/2		1/2	1/2	1/2		1/2	
3/4	1,602.74	3/4	1,306.47	3/4	1,010.19	3/4	719.74	3/4	423.53	3/4	127.04	3/4		3/4	3/4	3/4		3/4	
11	1,596.57	11	1,300.30	11	1,004.02	11	713.66	11	417.36	11	120.87	11		11	11	11		11	
1/4	1,590.40	1/4	1,294.12	1/4	997.84	1/4	707.58	1/4	411.18	1/4	114.70	1/4		1/4	1/4	1/4		1/4	
1/2	1,584.23	1/2	1,287.95	1/2	991.67	1/2	701.43	1/2	405.00	1/2	108.55	1/2		1/2	1/2	1/2		1/2	
3/4	1,578.06	3/4	1,281.78	3/4	985.50	3/4	695.27	3/4	398.83	3/4	102.40	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/11/2012 CL - SW
CALCULATED: 07/11/2012 CL
PRINTED: 07/11/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2012

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



BARGE "KIRBY 10540"

2 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	3,469.45	0	3,234.01	0	2,972.46	0	2,710.91	0	2,448.84	0	2,185.88	0	1,922.93		
1/4		1/4		1/4		1/4	3,468.54	1/4	3,228.56	1/4	2,967.01	1/4	2,705.46	1/4	2,443.36	1/4	2,180.41	1/4	1,917.45		
1/2		1/2		1/2		1/2	3,467.62	1/2	3,223.11	1/2	2,961.56	1/2	2,700.01	1/2	2,437.88	1/2	2,174.93	1/2	1,911.97		
3/4		3/4		3/4		3/4	3,464.88	3/4	3,217.66	3/4	2,956.11	3/4	2,694.57	3/4	2,432.40	3/4	2,169.45	3/4	1,906.50		
1		1		1		1	3,462.14	1	3,212.21	1	2,950.66	1	2,689.12	1	2,426.92	1	2,163.97	1	1,901.02		
1/4		1/4		1/4		1/4	3,459.40	1/4	3,206.76	1/4	2,945.21	1/4	2,683.67	1/4	2,421.45	1/4	2,158.49	1/4	1,895.54		
1/2		1/2		1/2		1/2	3,456.66	1/2	3,201.31	1/2	2,939.77	1/2	2,678.22	1/2	2,415.97	1/2	2,153.01	1/2	1,890.06		
3/4		3/4		3/4		3/4	3,452.22	3/4	3,195.86	3/4	2,934.32	3/4	2,672.77	3/4	2,410.49	3/4	2,147.54	3/4	1,884.58		
2		2		2		2	3,447.78	2	3,190.42	2	2,928.87	2	2,667.32	2	2,405.01	2	2,142.06	2	1,879.10		
1/4		1/4		1/4		1/4	3,443.35	1/4	3,184.97	1/4	2,923.42	1/4	2,661.87	1/4	2,399.53	1/4	2,136.58	1/4	1,873.63		
1/2		1/2		1/2		1/2	3,438.91	1/2	3,179.52	1/2	2,917.97	1/2	2,656.42	1/2	2,394.06	1/2	2,131.10	1/2	1,868.15		
3/4		3/4		3/4		3/4	3,433.60	3/4	3,174.07	3/4	2,912.52	3/4	2,650.97	3/4	2,388.58	3/4	2,125.62	3/4	1,862.67		
3		3		3		3	3,428.29	3	3,168.62	3	2,907.07	3	2,645.53	3	2,383.10	3	2,120.15	3	1,857.19		
1/4		1/4		1/4		1/4	3,422.98	1/4	3,163.17	1/4	2,901.62	1/4	2,640.08	1/4	2,377.62	1/4	2,114.67	1/4	1,851.71		
1/2		1/2		1/2		1/2	3,417.67	1/2	3,157.72	1/2	2,896.17	1/2	2,634.63	1/2	2,372.14	1/2	2,109.19	1/2	1,846.24		
3/4		3/4		3/4		3/4	3,412.33	3/4	3,152.27	3/4	2,890.73	3/4	2,629.18	3/4	2,366.66	3/4	2,103.71	3/4	1,840.76		
4		4		4		4	3,406.99	4	3,146.82	4	2,885.28	4	2,623.73	4	2,361.19	4	2,098.23	4	1,835.28		
1/4		1/4		1/4		1/4	3,401.65	1/4	3,141.38	1/4	2,879.83	1/4	2,618.28	1/4	2,355.71	1/4	2,092.75	1/4	1,829.80		
1/2		1/2		1/2		1/2	3,396.30	1/2	3,135.93	1/2	2,874.38	1/2	2,612.83	1/2	2,350.23	1/2	2,087.28	1/2	1,824.32		
3/4		3/4		3/4		3/4	3,390.95	3/4	3,130.48	3/4	2,868.93	3/4	2,607.38	3/4	2,344.75	3/4	2,081.80	3/4	1,818.84		
5		5		5		5	3,385.60	5	3,125.03	5	2,863.48	5	2,601.93	5	2,339.27	5	2,076.32	5	1,813.37		
1/4		1/4		1/4		1/4	3,380.25	1/4	3,119.58	1/4	2,858.03	1/4	2,596.49	1/4	2,333.80	1/4	2,070.84	1/4	1,807.89		
1/2		1/2		1/2		1/2	3,374.89	1/2	3,114.13	1/2	2,852.58	1/2	2,591.04	1/2	2,328.32	1/2	2,065.36	1/2	1,802.41		
3/4		3/4		3/4		3/4	3,369.54	3/4	3,108.68	3/4	2,847.13	3/4	2,585.59	3/4	2,322.84	3/4	2,059.89	3/4	1,796.93		
6		6		6		6	3,364.19	6	3,103.23	6	2,841.69	6	2,580.14	6	2,317.36	6	2,054.41	6	1,791.45		
1/4		1/4		1/4		1/4	3,358.84	1/4	3,097.78	1/4	2,836.24	1/4	2,574.69	1/4	2,311.88	1/4	2,048.93	1/4	1,785.98		
1/2		1/2		1/2		1/2	3,353.49	1/2	3,092.34	1/2	2,830.79	1/2	2,569.24	1/2	2,306.40	1/2	2,043.45	1/2	1,780.50		
3/4		3/4		3/4		3/4	3,348.14	3/4	3,086.89	3/4	2,825.34	3/4	2,563.79	3/4	2,300.93	3/4	2,037.97	3/4	1,775.02		
7		7		7		7	3,342.79	7	3,081.44	7	2,819.89	7	2,558.34	7	2,295.45	7	2,032.49	7	1,769.54		
1/4		1/4		1/4		1/4	3,337.44	1/4	3,075.99	1/4	2,814.44	1/4	2,552.89	1/4	2,289.97	1/4	2,027.02	1/4	1,764.06		
1/2		1/2		1/2		1/2	3,332.09	1/2	3,070.54	1/2	2,808.99	1/2	2,547.45	1/2	2,284.49	1/2	2,021.54	1/2	1,758.58		
3/4		3/4		3/4		3/4	3,326.64	3/4	3,065.09	3/4	2,803.54	3/4	2,541.97	3/4	2,279.01	3/4	2,016.06	3/4	1,753.11		
8		8		8		8	3,321.19	8	3,059.64	8	2,798.09	8	2,536.49	8	2,273.54	8	2,010.58	8	1,747.63		
1/4		1/4		1/4		1/4	3,315.74	1/4	3,054.19	1/4	2,792.65	1/4	2,531.01	1/4	2,268.06	1/4	2,005.10	1/4	1,742.15		
1/2		1/2		1/2		1/2	3,310.29	1/2	3,048.74	1/2	2,787.20	1/2	2,525.53	1/2	2,262.58	1/2	1,999.63	1/2	1,736.67		
3/4		3/4		3/4		3/4	3,304.84	3/4	3,043.29	3/4	2,781.75	3/4	2,520.05	3/4	2,257.10	3/4	1,994.15	3/4	1,731.19		
9		9		9		9	3,299.39	9	3,037.85	9	2,776.30	9	2,514.58	9	2,251.62	9	1,988.67	9	1,725.72		
1/4		1/4		1/4		1/4	3,293.94	1/4	3,032.40	1/4	2,770.85	1/4	2,509.10	1/4	2,246.14	1/4	1,983.19	1/4	1,720.24		
1/2		1/2		1/2		1/2	3,288.50	1/2	3,026.95	1/2	2,765.40	1/2	2,503.62	1/2	2,240.67	1/2	1,977.71	1/2	1,714.76		
3/4		3/4		3/4		3/4	3,283.05	3/4	3,021.50	3/4	2,759.95	3/4	2,498.14	3/4	2,235.19	3/4	1,972.23	3/4	1,709.28		
10		10		10		10	3,277.60	10	3,016.05	10	2,754.50	10	2,492.66	10	2,229.71	10	1,966.76	10	1,703.80		
1/4		1/4		1/4		1/4	3,272.15	1/4	3,010.60	1/4	2,749.05	1/4	2,487.18	1/4	2,224.23	1/4	1,961.28	1/4	1,698.32		
1/2		1/2		1/2		1/2	3,266.70	1/2	3,005.15	1/2	2,743.61	1/2	2,481.71	1/2	2,218.75	1/2	1,955.80	1/2	1,692.85		
3/4		3/4		3/4		3/4	3,261.25	3/4	2,999.70	3/4	2,738.16	3/4	2,476.23	3/4	2,213.27	3/4	1,950.32	3/4	1,687.37		
11		11		11		11	3,255.80	11	2,994.25	11	2,732.71	11	2,470.75	11	2,207.80	11	1,944.84	11	1,681.89		
1/4		1/4		1/4		1/4	3,250.35	1/4	2,988.81	1/4	2,727.26	1/4	2,465.27	1/4	2,202.32	1/4	1,939.36	1/4	1,676.41		
1/2		1/2		1/2		1/2	3,471.28	1/2	3,244.90	1/2	2,983.36	1/2	2,721.81	1/2	2,459.79	1/2	2,196.84	1/2	1,933.89	1/2	1,670.93
3/4		3/4		3/4		3/4	3,470.37	3/4	3,239.46	3/4	2,977.91	3/4	2,716.36	3/4	2,454.32	3/4	2,191.36	3/4	1,928.41	3/4	1,665.45

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 10540"

2 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.	
0	1,659.98	0	1,397.02	0	1,133.90	0	872.81	0	613.60	0	350.51	0	87.57	0		0		0	
1/4	1,654.50	1/4	1,391.53	1/4	1,128.42	1/4	867.42	1/4	608.12	1/4	345.02	1/4	82.12	1/4	1/4	1/4		1/4	
1/2	1,649.02	1/2	1,386.05	1/2	1,122.94	1/2	862.02	1/2	602.64	1/2	339.54	1/2	76.68	1/2	1/2	1/2		1/2	
3/4	1,643.54	3/4	1,380.57	3/4	1,117.45	3/4	856.62	3/4	597.16	3/4	334.06	3/4	71.26	3/4	3/4	3/4		3/4	
1	1,638.06	1	1,375.09	1	1,111.97	1	851.23	1	591.68	1	328.58	1	65.84	1	1	1		1	
1/4	1,632.59	1/4	1,369.61	1/4	1,106.49	1/4	845.83	1/4	586.20	1/4	323.10	1/4	60.42	1/4	1/4	1/4		1/4	
1/2	1,627.11	1/2	1,364.13	1/2	1,101.01	1/2	840.43	1/2	580.72	1/2	317.62	1/2	55.00	1/2	1/2	1/2		1/2	
3/4	1,621.63	3/4	1,358.65	3/4	1,095.53	3/4	835.04	3/4	575.24	3/4	312.14	3/4	49.64	3/4	3/4	3/4		3/4	
2	1,616.15	2	1,353.16	2	1,090.05	2	829.64	2	569.75	2	306.66	2	44.27	2	2	2		2	
1/4	1,610.67	1/4	1,347.68	1/4	1,084.57	1/4	824.24	1/4	564.27	1/4	301.18	1/4	38.90	1/4	1/4	1/4		1/4	
1/2	1,605.19	1/2	1,342.20	1/2	1,079.08	1/2	818.85	1/2	558.79	1/2	295.69	1/2	33.53	1/2	1/2	1/2		1/2	
3/4	1,599.72	3/4	1,336.72	3/4	1,073.60	3/4	813.45	3/4	553.31	3/4	290.21	3/4	28.97	3/4	3/4	3/4		3/4	
3	1,594.24	3	1,331.24	3	1,068.12	3	808.06	3	547.83	3	284.73	3	24.41	3	3	3		3	
1/4	1,588.76	1/4	1,325.76	1/4	1,062.64	1/4	802.67	1/4	542.35	1/4	279.25	1/4	19.85	1/4	1/4	1/4		1/4	
1/2	1,583.28	1/2	1,320.27	1/2	1,057.16	1/2	797.28	1/2	536.87	1/2	273.77	1/2	15.29	1/2	1/2	1/2		1/2	
3/4	1,577.80	3/4	1,314.79	3/4	1,051.68	3/4	791.89	3/4	531.39	3/4	268.29	3/4	12.55	3/4	3/4	3/4		3/4	
4	1,572.33	4	1,309.31	4	1,046.19	4	786.50	4	525.90	4	262.81	4	9.81	4	4	4		4	
1/4	1,566.85	1/4	1,303.83	1/4	1,040.71	1/4	781.11	1/4	520.42	1/4	257.33	1/4	7.07	1/4	1/4	1/4		1/4	
1/2	1,561.37	1/2	1,298.35	1/2	1,035.23	1/2	775.71	1/2	514.94	1/2	251.84	1/2	4.33	1/2	1/2	1/2		1/2	
3/4	1,555.89	3/4	1,292.87	3/4	1,029.75	3/4	770.32	3/4	509.46	3/4	246.36	3/4	3.42	3/4	3/4	3/4		3/4	
5	1,550.41	5	1,287.38	5	1,024.27	5	764.93	5	503.98	5	240.88	5	2.50	5	5	5		5	
1/4	1,544.93	1/4	1,281.90	1/4	1,018.79	1/4	759.54	1/4	498.50	1/4	235.40	1/4	1.59	1/4	1/4	1/4		1/4	
1/2	1,539.46	1/2	1,276.42	1/2	1,013.30	1/2	754.15	1/2	493.02	1/2	229.92	1/2	0.68	1/2	1/2	1/2		1/2	
3/4	1,533.98	3/4	1,270.94	3/4	1,007.86	3/4	748.76	3/4	487.54	3/4	224.44	3/4		3/4	3/4	3/4		3/4	
6	1,528.50	6	1,265.46	6	1,002.42	6	743.36	6	482.05	6	218.96	6		6	6	6		6	
1/4	1,523.02	1/4	1,259.98	1/4	996.98	1/4	737.97	1/4	476.57	1/4	213.48	1/4		1/4	1/4	1/4		1/4	
1/2	1,517.54	1/2	1,254.49	1/2	991.54	1/2	732.58	1/2	471.09	1/2	207.99	1/2		1/2	1/2	1/2		1/2	
3/4	1,512.07	3/4	1,249.01	3/4	986.15	3/4	727.19	3/4	465.61	3/4	202.51	3/4		3/4	3/4	3/4		3/4	
7	1,506.59	7	1,243.53	7	980.75	7	721.80	7	460.13	7	197.03	7		7	7	7		7	
1/4	1,501.11	1/4	1,238.05	1/4	975.35	1/4	716.41	1/4	454.65	1/4	191.55	1/4		1/4	1/4	1/4		1/4	
1/2	1,495.63	1/2	1,232.57	1/2	969.96	1/2	711.01	1/2	449.17	1/2	186.07	1/2		1/2	1/2	1/2		1/2	
3/4	1,490.15	3/4	1,227.09	3/4	964.56	3/4	705.62	3/4	443.69	3/4	180.59	3/4		3/4	3/4	3/4		3/4	
8	1,484.67	8	1,221.61	8	959.16	8	700.23	8	438.21	8	175.11	8		8	8	8		8	
1/4	1,479.20	1/4	1,216.12	1/4	953.77	1/4	694.84	1/4	432.72	1/4	169.63	1/4		1/4	1/4	1/4		1/4	
1/2	1,473.72	1/2	1,210.64	1/2	948.37	1/2	689.45	1/2	427.24	1/2	164.15	1/2		1/2	1/2	1/2		1/2	
3/4	1,468.24	3/4	1,205.16	3/4	942.97	3/4	684.06	3/4	421.76	3/4	158.66	3/4		3/4	3/4	3/4		3/4	
9	1,462.76	9	1,199.68	9	937.58	9	678.66	9	416.28	9	153.18	9		9	9	9		9	
1/4	1,457.28	1/4	1,194.20	1/4	932.18	1/4	673.27	1/4	410.80	1/4	147.70	1/4		1/4	1/4	1/4		1/4	
1/2	1,451.81	1/2	1,188.72	1/2	926.78	1/2	667.88	1/2	405.32	1/2	142.22	1/2		1/2	1/2	1/2		1/2	
3/4	1,446.33	3/4	1,183.23	3/4	921.39	3/4	662.49	3/4	399.84	3/4	136.75	3/4		3/4	3/4	3/4		3/4	
10	1,440.85	10	1,177.75	10	915.99	10	657.10	10	394.36	10	131.27	10		10	10	10		10	
1/4	1,435.37	1/4	1,172.27	1/4	910.59	1/4	651.71	1/4	388.87	1/4	125.80	1/4		1/4	1/4	1/4		1/4	
1/2	1,429.89	1/2	1,166.79	1/2	905.20	1/2	646.32	1/2	383.39	1/2	120.32	1/2		1/2	1/2	1/2		1/2	
3/4	1,424.41	3/4	1,161.31	3/4	899.80	3/4	640.88	3/4	377.91	3/4	114.86	3/4		3/4	3/4	3/4		3/4	
11	1,418.94	11	1,155.83	11	894.40	11	635.44	11	372.43	11	109.39	11		11	11	11		11	
1/4	1,413.46	1/4	1,150.34	1/4	889.00	1/4	630.00	1/4	366.95	1/4	103.93	1/4		1/4	1/4	1/4		1/4	
1/2	1,407.98	1/2	1,144.86	1/2	883.61	1/2	624.57	1/2	361.47	1/2	98.46	1/2		1/2	1/2	1/2		1/2	
3/4	1,402.50	3/4	1,139.38	3/4	878.21	3/4	619.09	3/4	355.99	3/4	93.01	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/11/2012 CL - SW
CALCULATED: 07/11/2012 CL
PRINTED: 07/11/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2012

PRECISION MEASUREMENT
& ANALYSIS, INC.
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<http://www.pmacorp.net>



BARGE "KIRBY 10540"

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	3,452.75	0	3,223.31	0	2,963.42	0	2,703.53	0	2,443.14	0	2,181.84	0	1,920.54		
1/4		1/4		1/4		1/4	3,451.85	1/4	3,217.90	1/4	2,958.00	1/4	2,698.11	1/4	2,437.69	1/4	2,176.40	1/4	1,915.10		
1/2		1/2		1/2		1/2	3,450.94	1/2	3,212.48	1/2	2,952.59	1/2	2,692.70	1/2	2,432.25	1/2	2,170.95	1/2	1,909.66		
3/4		3/4		3/4		3/4	3,450.03	3/4	3,207.07	3/4	2,947.18	3/4	2,687.28	3/4	2,426.81	3/4	2,165.51	3/4	1,904.21		
1		1		1		1	3,447.31	1	3,201.65	1	2,941.76	1	2,681.87	1	2,421.36	1	2,160.07	1	1,898.77		
1/4		1/4		1/4		1/4	3,444.58	1/4	3,196.24	1/4	2,936.35	1/4	2,676.46	1/4	2,415.92	1/4	2,154.62	1/4	1,893.32		
1/2		1/2		1/2		1/2	3,441.86	1/2	3,190.82	1/2	2,930.93	1/2	2,671.04	1/2	2,410.48	1/2	2,149.18	1/2	1,887.88		
3/4		3/4		3/4		3/4	3,439.14	3/4	3,185.41	3/4	2,925.52	3/4	2,665.63	3/4	2,405.03	3/4	2,143.74	3/4	1,882.44		
2		2		2		2	3,434.73	2	3,180.00	2	2,920.10	2	2,660.21	2	2,399.59	2	2,138.29	2	1,876.99		
1/4		1/4		1/4		1/4	3,430.32	1/4	3,174.58	1/4	2,914.69	1/4	2,654.80	1/4	2,394.15	1/4	2,132.85	1/4	1,871.55		
1/2		1/2		1/2		1/2	3,425.91	1/2	3,169.17	1/2	2,909.27	1/2	2,649.38	1/2	2,388.70	1/2	2,127.40	1/2	1,866.11		
3/4		3/4		3/4		3/4	3,421.50	3/4	3,163.75	3/4	2,903.86	3/4	2,643.97	3/4	2,383.26	3/4	2,121.96	3/4	1,860.66		
3		3		3		3	3,416.22	3	3,158.34	3	2,898.45	3	2,638.55	3	2,377.81	3	2,116.52	3	1,855.22		
1/4		1/4		1/4		1/4	3,410.95	1/4	3,152.92	1/4	2,893.03	1/4	2,633.14	1/4	2,372.37	1/4	2,111.07	1/4	1,849.78		
1/2		1/2		1/2		1/2	3,405.67	1/2	3,147.51	1/2	2,887.62	1/2	2,627.73	1/2	2,366.93	1/2	2,105.63	1/2	1,844.33		
3/4		3/4		3/4		3/4	3,400.40	3/4	3,142.09	3/4	2,882.20	3/4	2,622.31	3/4	2,361.48	3/4	2,100.19	3/4	1,838.89		
4		4		4		4	3,395.09	4	3,136.68	4	2,876.79	4	2,616.90	4	2,356.04	4	2,094.74	4	1,833.44		
1/4		1/4		1/4		1/4	3,389.78	1/4	3,131.27	1/4	2,871.37	1/4	2,611.48	1/4	2,350.60	1/4	2,089.30	1/4	1,828.00		
1/2		1/2		1/2		1/2	3,384.48	1/2	3,125.85	1/2	2,865.96	1/2	2,606.07	1/2	2,345.15	1/2	2,083.85	1/2	1,822.56		
3/4		3/4		3/4		3/4	3,379.17	3/4	3,120.44	3/4	2,860.55	3/4	2,600.65	3/4	2,339.71	3/4	2,078.41	3/4	1,817.11		
5		5		5		5	3,373.85	5	3,115.02	5	2,855.13	5	2,595.24	5	2,334.26	5	2,072.97	5	1,811.67		
1/4		1/4		1/4		1/4	3,368.53	1/4	3,109.61	1/4	2,849.72	1/4	2,589.83	1/4	2,328.82	1/4	2,067.52	1/4	1,806.23		
1/2		1/2		1/2		1/2	3,363.21	1/2	3,104.19	1/2	2,844.30	1/2	2,584.41	1/2	2,323.38	1/2	2,062.08	1/2	1,800.78		
3/4		3/4		3/4		3/4	3,357.88	3/4	3,098.78	3/4	2,838.89	3/4	2,579.00	3/4	2,317.93	3/4	2,056.64	3/4	1,795.34		
6		6		6		6	3,352.57	6	3,093.36	6	2,833.47	6	2,573.58	6	2,312.49	6	2,051.19	6	1,789.89		
1/4		1/4		1/4		1/4	3,347.25	1/4	3,087.95	1/4	2,828.06	1/4	2,568.17	1/4	2,307.05	1/4	2,045.75	1/4	1,784.45		
1/2		1/2		1/2		1/2	3,341.94	1/2	3,082.54	1/2	2,822.64	1/2	2,562.75	1/2	2,301.60	1/2	2,040.30	1/2	1,779.01		
3/4		3/4		3/4		3/4	3,336.62	3/4	3,077.12	3/4	2,817.23	3/4	2,557.34	3/4	2,296.16	3/4	2,034.86	3/4	1,773.56		
7		7		7		7	3,331.30	7	3,071.71	7	2,811.82	7	2,551.92	7	2,290.71	7	2,029.42	7	1,768.12		
1/4		1/4		1/4		1/4	3,325.99	1/4	3,066.29	1/4	2,806.40	1/4	2,546.51	1/4	2,285.27	1/4	2,023.97	1/4	1,762.68		
1/2		1/2		1/2		1/2	3,320.67	1/2	3,060.88	1/2	2,800.99	1/2	2,541.10	1/2	2,279.83	1/2	2,018.53	1/2	1,757.23		
3/4		3/4		3/4		3/4	3,315.36	3/4	3,055.46	3/4	2,795.57	3/4	2,535.68	3/4	2,274.38	3/4	2,013.09	3/4	1,751.79		
8		8		8		8	3,309.94	8	3,050.05	8	2,790.16	8	2,530.24	8	2,268.94	8	2,007.64	8	1,746.34		
1/4		1/4		1/4		1/4	3,304.53	1/4	3,044.63	1/4	2,784.74	1/4	2,524.79	1/4	2,263.50	1/4	2,002.20	1/4	1,740.90		
1/2		1/2		1/2		1/2	3,299.11	1/2	3,039.22	1/2	2,779.33	1/2	2,519.35	1/2	2,258.05	1/2	1,996.76	1/2	1,735.46		
3/4		3/4		3/4		3/4	3,293.70	3/4	3,033.81	3/4	2,773.91	3/4	2,513.91	3/4	2,252.61	3/4	1,991.31	3/4	1,730.01		
9		9		9		9	3,288.28	9	3,028.39	9	2,768.50	9	2,508.46	9	2,247.17	9	1,985.87	9	1,724.57		
1/4		1/4		1/4		1/4	3,282.87	1/4	3,022.98	1/4	2,763.09	1/4	2,503.02	1/4	2,241.72	1/4	1,980.42	1/4	1,719.13		
1/2		1/2		1/2		1/2	3,277.45	1/2	3,017.56	1/2	2,757.67	1/2	2,497.58	1/2	2,236.28	1/2	1,974.98	1/2	1,713.68		
3/4		3/4		3/4		3/4	3,272.04	3/4	3,012.15	3/4	2,752.26	3/4	2,492.13	3/4	2,230.83	3/4	1,969.54	3/4	1,708.24		
10		10		10		10	3,266.63	10	3,006.73	10	2,746.84	10	2,486.69	10	2,225.39	10	1,964.09	10	1,702.80		
1/4		1/4		1/4		1/4	3,261.21	1/4	3,001.32	1/4	2,741.43	1/4	2,481.24	1/4	2,219.95	1/4	1,958.65	1/4	1,697.35		
1/2		1/2		1/2		1/2	3,255.80	1/2	2,995.91	1/2	2,736.01	1/2	2,475.80	1/2	2,214.50	1/2	1,953.21	1/2	1,691.91		
3/4		3/4		3/4		3/4	3,250.38	3/4	2,990.49	3/4	2,730.60	3/4	2,470.36	3/4	2,209.06	3/4	1,947.76	3/4	1,686.46		
11		11		11		11	3,244.97	11	2,985.08	11	2,725.19	11	2,464.91	11	2,203.62	11	1,942.32	11	1,681.02		
1/4		1/4		1/4		1/4	3,239.55	1/4	2,979.66	1/4	2,719.77	1/4	2,459.47	1/4	2,198.17	1/4	1,936.87	1/4	1,675.58		
1/2		1/2		1/2		1/2	3,234.14	1/2	2,974.25	1/2	2,714.36	1/2	2,454.03	1/2	2,192.73	1/2	1,931.43	1/2	1,670.13		
3/4		3/4		3/4		3/4	3,453.66	3/4	3,228.72	3/4	2,968.83	3/4	2,708.94	3/4	2,448.58	3/4	2,187.28	3/4	1,925.99	3/4	1,664.69

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 10540"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	1,653.80	1/4	1,392.50	1/4	1,131.04	1/4	870.52	1/4	609.75	1/4	348.30	1/4	87.02	1/4		1/4		1/4	
1/2	1,648.36	1/2	1,387.05	1/2	1,125.59	1/2	865.11	1/2	604.30	1/2	342.86	1/2	81.61	1/2		1/2		1/2	
3/4	1,642.91	3/4	1,381.60	3/4	1,120.14	3/4	859.70	3/4	598.85	3/4	337.41	3/4	76.20	3/4		3/4		3/4	
1	1,637.47	1	1,376.16	1	1,114.70	1	854.29	1	593.41	1	331.96	1	70.81	1		1		1	
1/4	1,632.03	1/4	1,370.71	1/4	1,109.25	1/4	848.88	1/4	587.96	1/4	326.52	1/4	65.43	1/4		1/4		1/4	
1/2	1,626.58	1/2	1,365.26	1/2	1,103.80	1/2	843.47	1/2	582.51	1/2	321.07	1/2	60.05	1/2		1/2		1/2	
3/4	1,621.14	3/4	1,359.82	3/4	1,098.35	3/4	838.05	3/4	577.07	3/4	315.62	3/4	54.66	3/4		3/4		3/4	
2	1,615.70	2	1,354.37	2	1,092.91	2	832.64	2	571.62	2	310.18	2	49.33	2		2		2	
1/4	1,610.25	1/4	1,348.92	1/4	1,087.46	1/4	827.23	1/4	566.17	1/4	304.73	1/4	43.99	1/4		1/4		1/4	
1/2	1,604.81	1/2	1,343.47	1/2	1,082.01	1/2	821.82	1/2	560.73	1/2	299.28	1/2	38.66	1/2		1/2		1/2	
3/4	1,599.37	3/4	1,338.03	3/4	1,076.57	3/4	816.41	3/4	555.28	3/4	293.84	3/4	33.32	3/4		3/4		3/4	
3	1,593.92	3	1,332.58	3	1,071.12	3	811.01	3	549.83	3	288.39	3	28.79	3		3		3	
1/4	1,588.48	1/4	1,327.13	1/4	1,065.67	1/4	805.60	1/4	544.39	1/4	282.94	1/4	24.26	1/4		1/4		1/4	
1/2	1,583.03	1/2	1,321.69	1/2	1,060.22	1/2	800.20	1/2	538.94	1/2	277.50	1/2	19.73	1/2		1/2		1/2	
3/4	1,577.59	3/4	1,316.24	3/4	1,054.78	3/4	794.79	3/4	533.49	3/4	272.05	3/4	15.20	3/4		3/4		3/4	
4	1,572.15	4	1,310.79	4	1,049.33	4	789.35	4	528.05	4	266.60	4	12.48	4		4		4	
1/4	1,566.70	1/4	1,305.34	1/4	1,043.88	1/4	783.91	1/4	522.60	1/4	261.16	1/4	9.75	1/4		1/4		1/4	
1/2	1,561.26	1/2	1,299.90	1/2	1,038.44	1/2	778.47	1/2	517.15	1/2	255.71	1/2	7.03	1/2		1/2		1/2	
3/4	1,555.82	3/4	1,294.45	3/4	1,032.99	3/4	773.02	3/4	511.71	3/4	250.26	3/4	4.31	3/4		3/4		3/4	
5	1,550.37	5	1,289.00	5	1,027.54	5	767.58	5	506.26	5	244.82	5	3.40	5		5		5	
1/4	1,544.93	1/4	1,283.56	1/4	1,022.09	1/4	762.14	1/4	500.81	1/4	239.37	1/4	2.49	1/4		1/4		1/4	
1/2	1,539.48	1/2	1,278.11	1/2	1,016.65	1/2	756.70	1/2	495.37	1/2	233.92	1/2	1.59	1/2		1/2		1/2	
3/4	1,534.04	3/4	1,272.66	3/4	1,011.20	3/4	751.26	3/4	489.92	3/4	228.48	3/4	0.68	3/4		3/4		3/4	
6	1,528.60	6	1,267.21	6	1,005.79	6	745.81	6	484.47	6	223.03	6		6		6		6	
1/4	1,523.15	1/4	1,261.77	1/4	1,000.38	1/4	740.37	1/4	479.03	1/4	217.58	1/4		1/4		1/4		1/4	
1/2	1,517.71	1/2	1,256.32	1/2	994.97	1/2	734.93	1/2	473.58	1/2	212.14	1/2		1/2		1/2		1/2	
3/4	1,512.27	3/4	1,250.87	3/4	989.56	3/4	729.49	3/4	468.13	3/4	206.69	3/4		3/4		3/4		3/4	
7	1,506.82	7	1,245.43	7	984.15	7	724.05	7	462.69	7	201.24	7		7		7		7	
1/4	1,501.38	1/4	1,239.98	1/4	978.74	1/4	718.61	1/4	457.24	1/4	195.80	1/4		1/4		1/4		1/4	
1/2	1,495.93	1/2	1,234.53	1/2	973.32	1/2	713.16	1/2	451.79	1/2	190.35	1/2		1/2		1/2		1/2	
3/4	1,490.49	3/4	1,229.08	3/4	967.91	3/4	707.72	3/4	446.35	3/4	184.90	3/4		3/4		3/4		3/4	
8	1,485.05	8	1,223.64	8	962.50	8	702.28	8	440.90	8	179.46	8		8		8		8	
1/4	1,479.60	1/4	1,218.19	1/4	957.09	1/4	696.84	1/4	435.45	1/4	174.01	1/4		1/4		1/4		1/4	
1/2	1,474.16	1/2	1,212.74	1/2	951.68	1/2	691.40	1/2	430.01	1/2	168.56	1/2		1/2		1/2		1/2	
3/4	1,468.72	3/4	1,207.30	3/4	946.27	3/4	685.95	3/4	424.56	3/4	163.12	3/4		3/4		3/4		3/4	
9	1,463.27	9	1,201.85	9	940.86	9	680.51	9	419.11	9	157.67	9		9		9		9	
1/4	1,457.83	1/4	1,196.40	1/4	935.45	1/4	675.07	1/4	413.67	1/4	152.22	1/4		1/4		1/4		1/4	
1/2	1,452.39	1/2	1,190.95	1/2	930.04	1/2	669.63	1/2	408.22	1/2	146.78	1/2		1/2		1/2		1/2	
3/4	1,446.94	3/4	1,185.51	3/4	924.63	3/4	664.19	3/4	402.77	3/4	141.33	3/4		3/4		3/4		3/4	
10	1,441.50	10	1,180.06	10	919.22	10	658.75	10	397.33	10	135.89	10		10		10		10	
1/4	1,436.05	1/4	1,174.61	1/4	913.81	1/4	653.31	1/4	391.88	1/4	130.45	1/4		1/4		1/4		1/4	
1/2	1,430.61	1/2	1,169.17	1/2	908.40	1/2	647.86	1/2	386.43	1/2	125.01	1/2		1/2		1/2		1/2	
3/4	1,425.17	3/4	1,163.72	3/4	902.98	3/4	642.42	3/4	380.98	3/4	119.57	3/4		3/4		3/4		3/4	
11	1,419.72	11	1,158.27	11	897.57	11	636.98	11	375.54	11	114.14	11		11		11		11	
1/4	1,414.28	1/4	1,152.83	1/4	892.16	1/4	631.53	1/4	370.09	1/4	108.71	1/4		1/4		1/4		1/4	
1/2	1,408.84	1/2	1,147.38	1/2	886.75	1/2	626.08	1/2	364.64	1/2	103.28	1/2		1/2		1/2		1/2	
3/4	1,403.39	3/4	1,141.93	3/4	881.34	3/4	620.64	3/4	359.20	3/4	97.85	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/11/2012 CL - SW
CALCULATED: 07/11/2012 CL
PRINTED: 07/11/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2012

PRECISION MEASUREMENT
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