



# BARGE "KIRBY 10237"

## 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	00-1/4	- 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"

June 13, 2012

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

<http://www.pmacorp.net>



# BARGE "KIRBY 10237"

## 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	3,761.34	0	3,527.80	0	3,274.90	0	3,021.99	0	2,758.99	0	2,463.30	0	2,167.01
1/4		1/4		1/4		1/4	3,760.31	1/4	3,522.53	1/4	3,269.63	1/4	3,016.72	1/4	2,752.83	1/4	2,457.13	1/4	2,160.84
1/2		1/2		1/2		1/2	3,757.21	1/2	3,517.26	1/2	3,264.36	1/2	3,011.46	1/2	2,746.68	1/2	2,450.96	1/2	2,154.66
3/4		3/4		3/4		3/4	3,754.11	3/4	3,511.99	3/4	3,259.09	3/4	3,006.19	3/4	2,740.52	3/4	2,444.78	3/4	2,148.49
1		1		1		1	3,751.01	1	3,506.72	1	3,253.82	1	3,000.92	1	2,734.37	1	2,438.61	1	2,142.32
1/4		1/4		1/4		1/4	3,747.91	1/4	3,501.45	1/4	3,248.55	1/4	2,995.65	1/4	2,728.21	1/4	2,432.44	1/4	2,136.14
1/2		1/2		1/2		1/2	3,743.76	1/2	3,496.18	1/2	3,243.28	1/2	2,990.38	1/2	2,722.06	1/2	2,426.27	1/2	2,129.97
3/4		3/4		3/4		3/4	3,739.62	3/4	3,490.92	3/4	3,238.01	3/4	2,985.11	3/4	2,715.91	3/4	2,420.09	3/4	2,123.80
2		2		2		2	3,735.47	2	3,485.65	2	3,232.74	2	2,979.84	2	2,709.75	2	2,413.92	2	2,117.63
1/4		1/4		1/4		1/4	3,731.32	1/4	3,480.38	1/4	3,227.48	1/4	2,974.57	1/4	2,703.60	1/4	2,407.75	1/4	2,111.45
1/2		1/2		1/2		1/2	3,726.18	1/2	3,475.11	1/2	3,222.21	1/2	2,969.30	1/2	2,697.44	1/2	2,401.57	1/2	2,105.28
3/4		3/4		3/4		3/4	3,721.05	3/4	3,469.84	3/4	3,216.94	3/4	2,964.04	3/4	2,691.29	3/4	2,395.40	3/4	2,099.11
3		3		3		3	3,715.91	3	3,464.57	3	3,211.67	3	2,958.77	3	2,685.13	3	2,389.23	3	2,092.93
1/4		1/4		1/4		1/4	3,710.78	1/4	3,459.30	1/4	3,206.40	1/4	2,953.50	1/4	2,678.98	1/4	2,383.06	1/4	2,086.76
1/2		1/2		1/2		1/2	3,705.61	1/2	3,454.03	1/2	3,201.13	1/2	2,948.23	1/2	2,672.83	1/2	2,376.88	1/2	2,080.59
3/4		3/4		3/4		3/4	3,700.44	3/4	3,448.77	3/4	3,195.86	3/4	2,942.96	3/4	2,666.67	3/4	2,370.71	3/4	2,074.42
4		4		4		4	3,695.27	4	3,443.50	4	3,190.59	4	2,937.69	4	2,660.52	4	2,364.54	4	2,068.24
1/4		1/4		1/4		1/4	3,690.10	1/4	3,438.23	1/4	3,185.33	1/4	2,932.42	1/4	2,654.36	1/4	2,358.36	1/4	2,062.07
1/2		1/2		1/2		1/2	3,684.91	1/2	3,432.96	1/2	3,180.06	1/2	2,927.15	1/2	2,648.21	1/2	2,352.19	1/2	2,055.90
3/4		3/4		3/4		3/4	3,679.73	3/4	3,427.69	3/4	3,174.79	3/4	2,921.89	3/4	2,642.05	3/4	2,346.02	3/4	2,049.72
5		5		5		5	3,674.55	5	3,422.42	5	3,169.52	5	2,916.62	5	2,635.90	5	2,339.85	5	2,043.55
1/4		1/4		1/4		1/4	3,669.36	1/4	3,417.15	1/4	3,164.25	1/4	2,911.35	1/4	2,629.75	1/4	2,333.67	1/4	2,037.38
1/2		1/2		1/2		1/2	3,664.18	1/2	3,411.88	1/2	3,158.98	1/2	2,906.08	1/2	2,623.59	1/2	2,327.50	1/2	2,031.21
3/4		3/4		3/4		3/4	3,659.00	3/4	3,406.62	3/4	3,153.71	3/4	2,900.81	3/4	2,617.44	3/4	2,321.33	3/4	2,025.03
6		6		6		6	3,653.81	6	3,401.35	6	3,148.44	6	2,895.54	6	2,611.28	6	2,315.16	6	2,018.86
1/4		1/4		1/4		1/4	3,648.63	1/4	3,396.08	1/4	3,143.18	1/4	2,890.27	1/4	2,605.13	1/4	2,308.98	1/4	2,012.69
1/2		1/2		1/2		1/2	3,643.45	1/2	3,390.81	1/2	3,137.91	1/2	2,885.00	1/2	2,598.97	1/2	2,302.81	1/2	2,006.52
3/4		3/4		3/4		3/4	3,638.27	3/4	3,385.54	3/4	3,132.64	3/4	2,879.74	3/4	2,592.82	3/4	2,296.64	3/4	2,000.34
7		7		7		7	3,633.09	7	3,380.27	7	3,127.37	7	2,874.47	7	2,586.67	7	2,290.46	7	1,994.17
1/4		1/4		1/4		1/4	3,627.90	1/4	3,375.00	1/4	3,122.10	1/4	2,869.20	1/4	2,580.51	1/4	2,284.29	1/4	1,988.00
1/2		1/2		1/2		1/2	3,622.64	1/2	3,369.73	1/2	3,116.83	1/2	2,863.90	1/2	2,574.36	1/2	2,278.12	1/2	1,981.82
3/4		3/4		3/4		3/4	3,617.37	3/4	3,364.46	3/4	3,111.56	3/4	2,858.61	3/4	2,568.20	3/4	2,271.95	3/4	1,975.65
8		8		8		8	3,612.10	8	3,359.20	8	3,106.29	8	2,853.32	8	2,562.05	8	2,265.77	8	1,969.48
1/4		1/4		1/4		1/4	3,606.83	1/4	3,353.93	1/4	3,101.02	1/4	2,848.02	1/4	2,555.89	1/4	2,259.60	1/4	1,963.31
1/2		1/2		1/2		1/2	3,601.56	1/2	3,348.66	1/2	3,095.76	1/2	2,842.73	1/2	2,549.72	1/2	2,253.43	1/2	1,957.13
3/4		3/4		3/4		3/4	3,596.29	3/4	3,343.39	3/4	3,090.49	3/4	2,837.44	3/4	2,543.55	3/4	2,247.25	3/4	1,950.96
9		9		9		9	3,591.02	9	3,338.12	9	3,085.22	9	2,832.14	9	2,537.38	9	2,241.08	9	1,944.79
1/4		1/4		1/4		1/4	3,585.75	1/4	3,332.85	1/4	3,079.95	1/4	2,826.85	1/4	2,531.20	1/4	2,234.91	1/4	1,938.61
1/2		1/2		1/2		1/2	3,580.49	1/2	3,327.58	1/2	3,074.68	1/2	2,820.65	1/2	2,525.03	1/2	2,228.74	1/2	1,932.44
3/4		3/4		3/4		3/4	3,575.22	3/4	3,322.31	3/4	3,069.41	3/4	2,814.46	3/4	2,518.86	3/4	2,222.56	3/4	1,926.27
10		10		10		10	3,569.95	10	3,317.05	10	3,064.14	10	2,808.26	10	2,512.68	10	2,216.39	10	1,920.10
1/4		1/4		1/4		1/4	3,564.68	1/4	3,311.78	1/4	3,058.87	1/4	2,802.07	1/4	2,506.51	1/4	2,210.22	1/4	1,913.92
1/2		1/2		1/2		1/2	3,559.41	1/2	3,306.51	1/2	3,053.61	1/2	2,795.91	1/2	2,500.34	1/2	2,204.04	1/2	1,907.75
3/4		3/4		3/4		3/4	3,554.14	3/4	3,301.24	3/4	3,048.34	3/4	2,789.76	3/4	2,494.17	3/4	2,197.87	3/4	1,901.58
11		11		11		11	3,548.87	11	3,295.97	11	3,043.07	11	2,783.60	11	2,487.99	11	2,191.70	11	1,895.40
1/4		1/4		1/4	3,764.44	1/4	3,543.60	1/4	3,290.70	1/4	3,037.80	1/4	2,777.45	1/4	2,481.82	1/4	2,185.53	1/4	1,889.23
1/2		1/2		1/2	3,763.41	1/2	3,538.34	1/2	3,285.43	1/2	3,032.53	1/2	2,771.29	1/2	2,475.65	1/2	2,179.35	1/2	1,883.06
3/4		3/4		3/4	3,762.38	3/4	3,533.07	3/4	3,280.16	3/4	3,027.26	3/4	2,765.14	3/4	2,469.48	3/4	2,173.18	3/4	1,876.89

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 32'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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# BARGE "KIRBY 10237"

## 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	1,870.71	0	1,574.16	0	1,277.45	0	980.74	0	690.11	0	393.22	0	96.39	0		0		0	
1/4	1,864.54	1/4	1,567.98	1/4	1,271.27	1/4	974.56	1/4	683.94	1/4	387.03	1/4	90.24	1/4	1/4	1/4		1/4	
1/2	1,858.37	1/2	1,561.79	1/2	1,265.09	1/2	968.44	1/2	677.75	1/2	380.84	1/2	84.11	1/2	1/2	1/2		1/2	
3/4	1,852.20	3/4	1,555.61	3/4	1,258.91	3/4	962.32	3/4	671.57	3/4	374.66	3/4	77.98	3/4	3/4	3/4		3/4	
1	1,846.02	1	1,549.43	1	1,252.72	1	956.21	1	665.38	1	368.47	1	71.86	1	1	1		1	
1/4	1,839.85	1/4	1,543.25	1/4	1,246.54	1/4	950.09	1/4	659.20	1/4	362.29	1/4	65.73	1/4	1/4	1/4		1/4	
1/2	1,833.68	1/2	1,537.07	1/2	1,240.36	1/2	944.03	1/2	653.01	1/2	356.10	1/2	59.66	1/2	1/2	1/2		1/2	
3/4	1,827.50	3/4	1,530.89	3/4	1,234.18	3/4	937.98	3/4	646.83	3/4	349.92	3/4	53.59	3/4	3/4	3/4		3/4	
2	1,821.33	2	1,524.71	2	1,228.00	2	931.92	2	640.64	2	343.73	2	47.52	2	2	2		2	
1/4	1,815.16	1/4	1,518.52	1/4	1,221.82	1/4	925.86	1/4	634.46	1/4	337.54	1/4	41.46	1/4	1/4	1/4		1/4	
1/2	1,808.98	1/2	1,512.34	1/2	1,215.64	1/2	919.81	1/2	628.27	1/2	331.36	1/2	36.30	1/2	1/2	1/2		1/2	
3/4	1,802.80	3/4	1,506.16	3/4	1,209.45	3/4	913.76	3/4	622.09	3/4	325.17	3/4	31.14	3/4	3/4	3/4		3/4	
3	1,796.61	3	1,499.98	3	1,203.27	3	907.70	3	615.90	3	318.99	3	25.99	3	3	3		3	
1/4	1,790.43	1/4	1,493.80	1/4	1,197.09	1/4	901.65	1/4	609.72	1/4	312.80	1/4	20.83	1/4	1/4	1/4		1/4	
1/2	1,784.25	1/2	1,487.62	1/2	1,190.91	1/2	895.61	1/2	603.53	1/2	306.62	1/2	17.74	1/2	1/2	1/2		1/2	
3/4	1,778.07	3/4	1,481.44	3/4	1,184.73	3/4	889.57	3/4	597.34	3/4	300.43	3/4	14.64	3/4	3/4	3/4		3/4	
4	1,771.89	4	1,475.25	4	1,178.55	4	883.53	4	591.16	4	294.24	4	11.54	4	4	4		4	
1/4	1,765.71	1/4	1,469.07	1/4	1,172.37	1/4	877.49	1/4	584.97	1/4	288.06	1/4	8.44	1/4	1/4	1/4		1/4	
1/2	1,759.53	1/2	1,462.89	1/2	1,166.18	1/2	871.47	1/2	578.79	1/2	281.87	1/2	7.41	1/2	1/2	1/2		1/2	
3/4	1,753.35	3/4	1,456.71	3/4	1,160.00	3/4	865.45	3/4	572.60	3/4	275.69	3/4	6.38	3/4	3/4	3/4		3/4	
5	1,747.17	5	1,450.53	5	1,153.82	5	859.42	5	566.42	5	269.50	5	5.34	5	5	5		5	
1/4	1,740.98	1/4	1,444.35	1/4	1,147.64	1/4	853.40	1/4	560.23	1/4	263.32	1/4	4.31	1/4	1/4	1/4		1/4	
1/2	1,734.80	1/2	1,438.17	1/2	1,141.46	1/2	847.38	1/2	554.04	1/2	257.13	1/2		1/2	1/2	1/2		1/2	
3/4	1,728.62	3/4	1,431.98	3/4	1,135.28	3/4	841.36	3/4	547.86	3/4	250.94	3/4		3/4	3/4	3/4		3/4	
6	1,722.44	6	1,425.80	6	1,129.10	6	835.33	6	541.67	6	244.76	6		6	6	6		6	
1/4	1,716.27	1/4	1,419.62	1/4	1,122.91	1/4	829.31	1/4	535.49	1/4	238.57	1/4		1/4	1/4	1/4		1/4	
1/2	1,710.09	1/2	1,413.44	1/2	1,116.73	1/2	823.29	1/2	529.30	1/2	232.39	1/2		1/2	1/2	1/2		1/2	
3/4	1,703.91	3/4	1,407.26	3/4	1,110.55	3/4	817.27	3/4	523.12	3/4	226.20	3/4		3/4	3/4	3/4		3/4	
7	1,697.73	7	1,401.08	7	1,104.37	7	811.24	7	516.93	7	220.02	7		7	7	7		7	
1/4	1,691.55	1/4	1,394.90	1/4	1,098.19	1/4	805.22	1/4	510.74	1/4	213.83	1/4		1/4	1/4	1/4		1/4	
1/2	1,685.37	1/2	1,388.72	1/2	1,092.01	1/2	799.20	1/2	504.56	1/2	207.64	1/2		1/2	1/2	1/2		1/2	
3/4	1,679.20	3/4	1,382.53	3/4	1,085.83	3/4	793.18	3/4	498.37	3/4	201.46	3/4		3/4	3/4	3/4		3/4	
8	1,673.02	8	1,376.35	8	1,079.65	8	787.15	8	492.19	8	195.27	8		8	8	8		8	
1/4	1,666.84	1/4	1,370.17	1/4	1,073.46	1/4	781.13	1/4	486.00	1/4	189.09	1/4		1/4	1/4	1/4		1/4	
1/2	1,660.66	1/2	1,363.99	1/2	1,067.28	1/2	775.11	1/2	479.82	1/2	182.90	1/2		1/2	1/2	1/2		1/2	
3/4	1,654.48	3/4	1,357.81	3/4	1,061.10	3/4	769.09	3/4	473.63	3/4	176.72	3/4		3/4	3/4	3/4		3/4	
9	1,648.31	9	1,351.63	9	1,054.92	9	763.06	9	467.44	9	170.53	9		9	9	9		9	
1/4	1,642.13	1/4	1,345.45	1/4	1,048.74	1/4	757.04	1/4	461.26	1/4	164.35	1/4		1/4	1/4	1/4		1/4	
1/2	1,635.95	1/2	1,339.26	1/2	1,042.56	1/2	751.02	1/2	455.07	1/2	158.16	1/2		1/2	1/2	1/2		1/2	
3/4	1,629.77	3/4	1,333.08	3/4	1,036.38	3/4	745.00	3/4	448.89	3/4	151.97	3/4		3/4	3/4	3/4		3/4	
10	1,623.59	10	1,326.90	10	1,030.19	10	738.98	10	442.70	10	145.77	10		10	10	10		10	
1/4	1,617.41	1/4	1,320.72	1/4	1,024.01	1/4	732.95	1/4	436.52	1/4	139.58	1/4		1/4	1/4	1/4		1/4	
1/2	1,611.24	1/2	1,314.54	1/2	1,017.83	1/2	726.87	1/2	430.33	1/2	133.40	1/2		1/2	1/2	1/2		1/2	
3/4	1,605.06	3/4	1,308.36	3/4	1,011.65	3/4	720.78	3/4	424.14	3/4	127.23	3/4		3/4	3/4	3/4		3/4	
11	1,598.88	11	1,302.18	11	1,005.47	11	714.69	11	417.96	11	121.05	11		11	11	11		11	
1/4	1,592.70	1/4	1,295.99	1/4	999.29	1/4	708.61	1/4	411.77	1/4	114.87	1/4		1/4	1/4	1/4		1/4	
1/2	1,586.52	1/2	1,289.81	1/2	993.11	1/2	702.44	1/2	405.59	1/2	108.71	1/2		1/2	1/2	1/2		1/2	
3/4	1,580.34	3/4	1,283.63	3/4	986.92	3/4	696.27	3/4	399.40	3/4	102.55	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/13/2012 CL  
CALCULATED: 06/13/2012 CL  
PRINTED: 06/13/2012 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2012

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



# BARGE "KIRBY 10237"

## 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	3,469.99	0	3,234.51	0	2,972.92	0	2,711.33	0	2,449.21	0	2,186.22	0	1,923.23		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,469.08	1/4	3,229.06	1/4	2,967.47	1/4	2,705.88	1/4	2,443.73	1/4	2,180.74	1/4	1,917.75		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,468.16	1/2	3,223.61	1/2	2,962.02	1/2	2,700.43	1/2	2,438.25	1/2	2,175.26	1/2	1,912.27		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,465.42	3/4	3,218.16	3/4	2,956.57	3/4	2,694.98	3/4	2,432.77	3/4	2,169.78	3/4	1,906.79		
1		1		1		1	3,462.68	1	3,212.71	1	2,951.12	1	2,689.53	1	2,427.30	1	2,164.30	1	1,901.31		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,459.94	1/4	3,207.26	1/4	2,945.67	1/4	2,684.08	1/4	2,421.82	1/4	2,158.82	1/4	1,895.83		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,457.20	1/2	3,201.81	1/2	2,940.22	1/2	2,678.63	1/2	2,416.34	1/2	2,153.35	1/2	1,890.35		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,452.76	3/4	3,196.36	3/4	2,934.77	3/4	2,673.18	3/4	2,410.86	3/4	2,147.87	3/4	1,884.87		
2		2		2		2	3,448.32	2	3,191.91	2	2,929.32	2	2,667.73	2	2,405.38	2	2,142.39	2	1,879.40		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,443.88	1/4	3,185.46	1/4	2,923.87	1/4	2,662.28	1/4	2,399.90	1/4	2,136.91	1/4	1,873.92		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,439.44	1/2	3,180.01	1/2	2,918.42	1/2	2,656.83	1/2	2,394.42	1/2	2,131.43	1/2	1,868.44		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,434.13	3/4	3,174.56	3/4	2,912.97	3/4	2,651.38	3/4	2,388.94	3/4	2,125.95	3/4	1,862.96		
3		3		3		3	3,428.82	3	3,169.11	3	2,907.52	3	2,645.93	3	2,383.46	3	2,120.47	3	1,857.48		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,423.51	1/4	3,163.66	1/4	2,902.07	1/4	2,640.48	1/4	2,377.98	1/4	2,114.99	1/4	1,852.00		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,418.20	1/2	3,158.21	1/2	2,896.62	1/2	2,635.03	1/2	2,372.51	1/2	2,109.51	1/2	1,846.52		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,412.86	3/4	3,152.76	3/4	2,891.17	3/4	2,629.58	3/4	2,367.03	3/4	2,104.03	3/4	1,841.04		
4		4		4		4	3,407.52	4	3,147.31	4	2,885.72	4	2,624.13	4	2,361.55	4	2,098.56	4	1,835.56		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,402.17	1/4	3,141.86	1/4	2,880.27	1/4	2,618.68	1/4	2,356.07	1/4	2,093.08	1/4	1,830.08		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,396.83	1/2	3,136.41	1/2	2,874.82	1/2	2,613.23	1/2	2,350.59	1/2	2,087.60	1/2	1,824.61		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,391.48	3/4	3,130.96	3/4	2,869.37	3/4	2,607.78	3/4	2,345.11	3/4	2,082.12	3/4	1,819.13		
5		5		5		5	3,386.12	5	3,125.51	5	2,863.92	5	2,602.33	5	2,339.63	5	2,076.64	5	1,813.65		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,380.77	1/4	3,120.06	1/4	2,858.47	1/4	2,596.88	1/4	2,334.15	1/4	2,071.16	1/4	1,808.17		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,375.42	1/2	3,114.61	1/2	2,853.02	1/2	2,591.43	1/2	2,328.67	1/2	2,065.68	1/2	1,802.69		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,370.07	3/4	3,109.16	3/4	2,847.57	3/4	2,585.98	3/4	2,323.19	3/4	2,060.20	3/4	1,797.21		
6		6		6		6	3,364.71	6	3,103.71	6	2,842.12	6	2,580.53	6	2,317.72	6	2,054.72	6	1,791.73		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,359.36	1/4	3,098.26	1/4	2,836.67	1/4	2,575.08	1/4	2,312.24	1/4	2,049.24	1/4	1,786.25		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,354.01	1/2	3,092.81	1/2	2,831.22	1/2	2,569.63	1/2	2,306.76	1/2	2,043.77	1/2	1,780.77		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,348.66	3/4	3,087.36	3/4	2,825.77	3/4	2,564.18	3/4	2,301.28	3/4	2,038.29	3/4	1,775.29		
7		7		7		7	3,343.31	7	3,081.91	7	2,820.32	7	2,558.73	7	2,295.80	7	2,032.81	7	1,769.82		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,337.96	1/4	3,076.46	1/4	2,814.87	1/4	2,553.28	1/4	2,290.32	1/4	2,027.33	1/4	1,764.34		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,332.60	1/2	3,071.01	1/2	2,809.42	1/2	2,547.83	1/2	2,284.84	1/2	2,021.85	1/2	1,758.86		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,327.15	3/4	3,065.56	3/4	2,803.97	3/4	2,542.35	3/4	2,279.36	3/4	2,016.37	3/4	1,753.38		
8		8		8		8	3,321.71	8	3,060.11	8	2,798.52	8	2,536.88	8	2,273.88	8	2,010.89	8	1,747.90		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,316.26	1/4	3,054.66	1/4	2,793.07	1/4	2,531.40	1/4	2,268.40	1/4	2,005.41	1/4	1,742.42		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,310.81	1/2	3,049.22	1/2	2,787.62	1/2	2,525.92	1/2	2,262.93	1/2	1,999.93	1/2	1,736.94		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,305.36	3/4	3,043.77	3/4	2,782.17	3/4	2,520.44	3/4	2,257.45	3/4	1,994.45	3/4	1,731.46		
9		9		9		9	3,299.91	9	3,038.32	9	2,776.73	9	2,514.96	9	2,251.97	9	1,988.98	9	1,725.98		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,294.46	1/4	3,032.87	1/4	2,771.28	1/4	2,509.48	1/4	2,246.49	1/4	1,983.50	1/4	1,720.50		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,289.01	1/2	3,027.42	1/2	2,765.83	1/2	2,504.00	1/2	2,241.01	1/2	1,978.02	1/2	1,715.03		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,283.56	3/4	3,021.97	3/4	2,760.38	3/4	2,498.52	3/4	2,235.53	3/4	1,972.54	3/4	1,709.55		
10		10		10		10	3,278.11	10	3,016.52	10	2,754.93	10	2,493.04	10	2,230.05	10	1,967.06	10	1,704.07		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,272.66	1/4	3,011.07	1/4	2,749.48	1/4	2,487.56	1/4	2,224.57	1/4	1,961.58	1/4	1,698.59		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,267.21	1/2	3,005.62	1/2	2,744.03	1/2	2,482.09	1/2	2,219.09	1/2	1,956.10	1/2	1,693.11		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,261.76	3/4	3,000.17	3/4	2,738.58	3/4	2,476.61	3/4	2,213.61	3/4	1,950.62	3/4	1,687.63		
11		11		11		11	3,256.31	11	2,994.72	11	2,733.13	11	2,471.13	11	2,208.14	11	1,945.14	11	1,682.15		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,250.86	1/4	2,989.27	1/4	2,727.68	1/4	2,465.65	1/4	2,202.66	1/4	1,939.66	1/4	1,676.67		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,471.82	1/2	3,245.41	1/2	2,983.82	1/2	2,722.23	1/2	2,460.17	1/2	2,197.18	1/2	1,934.19	1/2	1,671.19
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,470.90	3/4	3,239.96	3/4	2,978.37	3/4	2,716.78	3/4	2,454.69	3/4	2,191.70	3/4	1,928.71	3/4	1,665.71

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 10237"

## 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	1,660.24	0	1,397.24	0	1,134.08	0	872.95	0	613.70	0	350.56	0	87.58	0		0		0	
1/4	1,654.76	1/4	1,391.75	1/4	1,128.59	1/4	867.55	1/4	608.22	1/4	345.08	1/4	82.13	1/4	1/4	1/4		1/4	
1/2	1,649.28	1/2	1,386.27	1/2	1,123.11	1/2	862.15	1/2	602.74	1/2	339.60	1/2	76.69	1/2	1/2	1/2		1/2	
3/4	1,643.80	3/4	1,380.79	3/4	1,117.63	3/4	856.76	3/4	597.26	3/4	334.12	3/4	71.27	3/4	3/4	3/4		3/4	
1	1,638.32	1	1,375.31	1	1,112.15	1	851.36	1	591.77	1	328.63	1	65.85	1	1	1		1	
1/4	1,632.84	1/4	1,369.82	1/4	1,106.66	1/4	845.96	1/4	586.29	1/4	323.15	1/4	60.43	1/4	1/4	1/4		1/4	
1/2	1,627.36	1/2	1,364.34	1/2	1,101.18	1/2	840.56	1/2	580.81	1/2	317.67	1/2	55.01	1/2	1/2	1/2		1/2	
3/4	1,621.88	3/4	1,358.86	3/4	1,095.70	3/4	835.17	3/4	575.33	3/4	312.19	3/4	49.64	3/4	3/4	3/4		3/4	
2	1,616.40	2	1,353.38	2	1,090.22	2	829.77	2	569.85	2	306.71	2	44.27	2	2	2		2	
1/4	1,610.92	1/4	1,347.89	1/4	1,084.73	1/4	824.37	1/4	564.36	1/4	301.22	1/4	38.91	1/4	1/4	1/4		1/4	
1/2	1,605.45	1/2	1,342.41	1/2	1,079.25	1/2	818.97	1/2	558.88	1/2	295.74	1/2	33.54	1/2	1/2	1/2		1/2	
3/4	1,599.97	3/4	1,336.93	3/4	1,073.77	3/4	813.58	3/4	553.40	3/4	290.26	3/4	28.98	3/4	3/4	3/4		3/4	
3	1,594.49	3	1,331.45	3	1,068.29	3	808.19	3	547.92	3	284.78	3	24.42	3	3	3		3	
1/4	1,589.01	1/4	1,325.96	1/4	1,062.80	1/4	802.80	1/4	542.44	1/4	279.29	1/4	19.86	1/4	1/4	1/4		1/4	
1/2	1,583.53	1/2	1,320.48	1/2	1,057.32	1/2	797.40	1/2	536.95	1/2	273.81	1/2	15.29	1/2	1/2	1/2		1/2	
3/4	1,578.05	3/4	1,315.00	3/4	1,051.84	3/4	792.01	3/4	531.47	3/4	268.33	3/4	12.55	3/4	3/4	3/4		3/4	
4	1,572.57	4	1,309.52	4	1,046.36	4	786.62	4	525.99	4	262.85	4	9.81	4	4	4		4	
1/4	1,567.09	1/4	1,304.03	1/4	1,040.87	1/4	781.23	1/4	520.51	1/4	257.37	1/4	7.07	1/4	1/4	1/4		1/4	
1/2	1,561.61	1/2	1,298.55	1/2	1,035.39	1/2	775.83	1/2	515.03	1/2	251.88	1/2	4.33	1/2	1/2	1/2		1/2	
3/4	1,556.13	3/4	1,293.07	3/4	1,029.91	3/4	770.44	3/4	509.54	3/4	246.40	3/4	3.42	3/4	3/4	3/4		3/4	
5	1,550.66	5	1,287.59	5	1,024.43	5	765.05	5	504.06	5	240.92	5	2.50	5	5	5		5	
1/4	1,545.18	1/4	1,282.10	1/4	1,018.94	1/4	759.66	1/4	498.58	1/4	235.44	1/4	1.59	1/4	1/4	1/4		1/4	
1/2	1,539.70	1/2	1,276.62	1/2	1,013.46	1/2	754.26	1/2	493.10	1/2	229.96	1/2	0.68	1/2	1/2	1/2		1/2	
3/4	1,534.22	3/4	1,271.14	3/4	1,008.02	3/4	748.87	3/4	487.61	3/4	224.47	3/4		3/4	3/4	3/4		3/4	
6	1,528.74	6	1,265.66	6	1,002.58	6	743.48	6	482.13	6	218.99	6		6	6	6		6	
1/4	1,523.26	1/4	1,260.17	1/4	997.14	1/4	738.09	1/4	476.65	1/4	213.51	1/4		1/4	1/4	1/4		1/4	
1/2	1,517.78	1/2	1,254.69	1/2	991.70	1/2	732.69	1/2	471.17	1/2	208.03	1/2		1/2	1/2	1/2		1/2	
3/4	1,512.30	3/4	1,249.21	3/4	986.30	3/4	727.30	3/4	465.69	3/4	202.55	3/4		3/4	3/4	3/4		3/4	
7	1,506.82	7	1,243.73	7	980.90	7	721.91	7	460.20	7	197.06	7		7	7	7		7	
1/4	1,501.34	1/4	1,238.24	1/4	975.51	1/4	716.52	1/4	454.72	1/4	191.58	1/4		1/4	1/4	1/4		1/4	
1/2	1,495.87	1/2	1,232.76	1/2	970.11	1/2	711.12	1/2	449.24	1/2	186.10	1/2		1/2	1/2	1/2		1/2	
3/4	1,490.39	3/4	1,227.28	3/4	964.71	3/4	705.73	3/4	443.76	3/4	180.62	3/4		3/4	3/4	3/4		3/4	
8	1,484.91	8	1,221.80	8	959.31	8	700.34	8	438.28	8	175.13	8		8	8	8		8	
1/4	1,479.43	1/4	1,216.31	1/4	953.91	1/4	694.95	1/4	432.79	1/4	169.65	1/4		1/4	1/4	1/4		1/4	
1/2	1,473.95	1/2	1,210.83	1/2	948.52	1/2	689.55	1/2	427.31	1/2	164.17	1/2		1/2	1/2	1/2		1/2	
3/4	1,468.47	3/4	1,205.35	3/4	943.12	3/4	684.16	3/4	421.83	3/4	158.69	3/4		3/4	3/4	3/4		3/4	
9	1,462.99	9	1,199.87	9	937.72	9	678.77	9	416.35	9	153.21	9		9	9	9		9	
1/4	1,457.51	1/4	1,194.38	1/4	932.32	1/4	673.38	1/4	410.87	1/4	147.73	1/4		1/4	1/4	1/4		1/4	
1/2	1,452.03	1/2	1,188.90	1/2	926.93	1/2	667.99	1/2	405.38	1/2	142.25	1/2		1/2	1/2	1/2		1/2	
3/4	1,446.55	3/4	1,183.42	3/4	921.53	3/4	662.59	3/4	399.90	3/4	136.77	3/4		3/4	3/4	3/4		3/4	
10	1,441.08	10	1,177.94	10	916.13	10	657.20	10	394.42	10	131.29	10		10	10	10		10	
1/4	1,435.60	1/4	1,172.45	1/4	910.73	1/4	651.81	1/4	388.94	1/4	125.82	1/4		1/4	1/4	1/4		1/4	
1/2	1,430.12	1/2	1,166.97	1/2	905.34	1/2	646.42	1/2	383.45	1/2	120.34	1/2		1/2	1/2	1/2		1/2	
3/4	1,424.64	3/4	1,161.49	3/4	899.94	3/4	640.98	3/4	377.97	3/4	114.87	3/4		3/4	3/4	3/4		3/4	
11	1,419.16	11	1,156.01	11	894.54	11	635.54	11	372.49	11	109.41	11		11	11	11		11	
1/4	1,413.68	1/4	1,150.52	1/4	889.14	1/4	630.10	1/4	367.01	1/4	103.94	1/4		1/4	1/4	1/4		1/4	
1/2	1,408.20	1/2	1,145.04	1/2	883.74	1/2	624.66	1/2	361.53	1/2	98.48	1/2		1/2	1/2	1/2		1/2	
3/4	1,402.72	3/4	1,139.56	3/4	878.35	3/4	619.18	3/4	356.04	3/4	93.03	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/13/2012 CL  
CALCULATED: 06/13/2012 CL  
PRINTED: 06/13/2012 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2012

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



# BARGE "KIRBY 10237"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0		0	3,455.32	0	3,225.71	0	2,965.62	0	2,705.53	0	2,444.95	0	2,183.46	0	1,921.97		
1/4		1/4		1/4		1/4	3,454.41	1/4	3,220.29	1/4	2,960.20	1/4	2,700.11	1/4	2,439.50	1/4	2,178.01	1/4	1,916.52		
1/2		1/2		1/2		1/2	3,453.51	1/2	3,214.87	1/2	2,954.78	1/2	2,694.70	1/2	2,434.05	1/2	2,172.56	1/2	1,911.07		
3/4		3/4		3/4		3/4	3,452.60	3/4	3,209.45	3/4	2,949.37	3/4	2,689.28	3/4	2,428.61	3/4	2,167.12	3/4	1,905.63		
1		1		1		1	3,449.87	1	3,204.04	1	2,943.95	1	2,683.86	1	2,423.16	1	2,161.67	1	1,900.18		
1/4		1/4		1/4		1/4	3,447.15	1/4	3,198.62	1/4	2,938.53	1/4	2,678.44	1/4	2,417.71	1/4	2,156.22	1/4	1,894.73		
1/2		1/2		1/2		1/2	3,444.42	1/2	3,193.20	1/2	2,933.11	1/2	2,673.02	1/2	2,412.26	1/2	2,150.77	1/2	1,889.28		
3/4		3/4		3/4		3/4	3,441.70	3/4	3,187.78	3/4	2,927.69	3/4	2,667.60	3/4	2,406.82	3/4	2,145.33	3/4	1,883.84		
2		2		2		2	3,437.28	2	3,182.36	2	2,922.27	2	2,662.19	2	2,401.37	2	2,139.88	2	1,878.39		
1/4		1/4		1/4		1/4	3,432.87	1/4	3,176.94	1/4	2,916.85	1/4	2,656.77	1/4	2,395.92	1/4	2,134.43	1/4	1,872.94		
1/2		1/2		1/2		1/2	3,428.46	1/2	3,171.52	1/2	2,911.44	1/2	2,651.35	1/2	2,390.47	1/2	2,128.98	1/2	1,867.49		
3/4		3/4		3/4		3/4	3,424.04	3/4	3,166.11	3/4	2,906.02	3/4	2,645.93	3/4	2,385.02	3/4	2,123.53	3/4	1,862.05		
3		3		3		3	3,418.76	3	3,160.69	3	2,900.60	3	2,640.51	3	2,379.58	3	2,118.09	3	1,856.60		
1/4		1/4		1/4		1/4	3,413.48	1/4	3,155.27	1/4	2,895.18	1/4	2,635.09	1/4	2,374.13	1/4	2,112.64	1/4	1,851.15		
1/2		1/2		1/2		1/2	3,408.20	1/2	3,149.85	1/2	2,889.76	1/2	2,629.67	1/2	2,368.68	1/2	2,107.19	1/2	1,845.70		
3/4		3/4		3/4		3/4	3,402.93	3/4	3,144.43	3/4	2,884.34	3/4	2,624.26	3/4	2,363.23	3/4	2,101.74	3/4	1,840.25		
4		4		4		4	3,397.61	4	3,139.01	4	2,878.93	4	2,618.84	4	2,357.79	4	2,096.30	4	1,834.81		
1/4		1/4		1/4		1/4	3,392.30	1/4	3,133.59	1/4	2,873.51	1/4	2,613.42	1/4	2,352.34	1/4	2,090.85	1/4	1,829.36		
1/2		1/2		1/2		1/2	3,386.99	1/2	3,128.18	1/2	2,868.09	1/2	2,608.00	1/2	2,346.89	1/2	2,085.40	1/2	1,823.91		
3/4		3/4		3/4		3/4	3,381.68	3/4	3,122.76	3/4	2,862.67	3/4	2,602.58	3/4	2,341.44	3/4	2,079.95	3/4	1,818.46		
5		5		5		5	3,376.36	5	3,117.34	5	2,857.25	5	2,597.16	5	2,335.99	5	2,074.51	5	1,813.02		
1/4		1/4		1/4		1/4	3,371.03	1/4	3,111.92	1/4	2,851.83	1/4	2,591.74	1/4	2,330.55	1/4	2,069.06	1/4	1,807.57		
1/2		1/2		1/2		1/2	3,365.71	1/2	3,106.50	1/2	2,846.41	1/2	2,586.33	1/2	2,325.10	1/2	2,063.61	1/2	1,802.12		
3/4		3/4		3/4		3/4	3,360.38	3/4	3,101.08	3/4	2,841.00	3/4	2,580.91	3/4	2,319.65	3/4	2,058.16	3/4	1,796.67		
6		6		6		6	3,355.06	6	3,095.67	6	2,835.58	6	2,575.49	6	2,314.20	6	2,052.71	6	1,791.22		
1/4		1/4		1/4		1/4	3,349.74	1/4	3,090.25	1/4	2,830.16	1/4	2,570.07	1/4	2,308.76	1/4	2,047.27	1/4	1,785.78		
1/2		1/2		1/2		1/2	3,344.42	1/2	3,084.83	1/2	2,824.74	1/2	2,564.65	1/2	2,303.31	1/2	2,041.82	1/2	1,780.33		
3/4		3/4		3/4		3/4	3,339.10	3/4	3,079.41	3/4	2,819.32	3/4	2,559.23	3/4	2,297.86	3/4	2,036.37	3/4	1,774.88		
7		7		7		7	3,333.78	7	3,073.99	7	2,813.90	7	2,553.82	7	2,292.41	7	2,030.92	7	1,769.43		
1/4		1/4		1/4		1/4	3,328.46	1/4	3,068.57	1/4	2,808.48	1/4	2,548.40	1/4	2,286.97	1/4	2,025.48	1/4	1,763.99		
1/2		1/2		1/2		1/2	3,323.14	1/2	3,063.15	1/2	2,803.07	1/2	2,542.98	1/2	2,281.52	1/2	2,020.03	1/2	1,758.54		
3/4		3/4		3/4		3/4	3,317.82	3/4	3,057.74	3/4	2,797.65	3/4	2,537.56	3/4	2,276.07	3/4	2,014.58	3/4	1,753.09		
8		8		8		8	3,312.41	8	3,052.32	8	2,792.23	8	2,532.11	8	2,270.62	8	2,009.13	8	1,747.64		
1/4		1/4		1/4		1/4	3,306.99	1/4	3,046.90	1/4	2,786.81	1/4	2,526.66	1/4	2,265.17	1/4	2,003.69	1/4	1,742.20		
1/2		1/2		1/2		1/2	3,301.57	1/2	3,041.48	1/2	2,781.39	1/2	2,521.22	1/2	2,259.73	1/2	1,998.24	1/2	1,736.75		
3/4		3/4		3/4		3/4	3,296.15	3/4	3,036.06	3/4	2,775.97	3/4	2,515.77	3/4	2,254.28	3/4	1,992.79	3/4	1,731.30		
9		9		9		9	3,290.73	9	3,030.64	9	2,770.56	9	2,510.32	9	2,248.83	9	1,987.34	9	1,725.85		
1/4		1/4		1/4		1/4	3,285.31	1/4	3,025.22	1/4	2,765.14	1/4	2,504.87	1/4	2,243.38	1/4	1,981.89	1/4	1,720.40		
1/2		1/2		1/2		1/2	3,279.89	1/2	3,019.81	1/2	2,759.72	1/2	2,499.43	1/2	2,237.94	1/2	1,976.45	1/2	1,714.96		
3/4		3/4		3/4		3/4	3,274.48	3/4	3,014.39	3/4	2,754.30	3/4	2,493.98	3/4	2,232.49	3/4	1,971.00	3/4	1,709.51		
10		10		10		10	3,269.06	10	3,008.97	10	2,748.88	10	2,488.53	10	2,227.04	10	1,965.55	10	1,704.06		
1/4		1/4		1/4		1/4	3,263.64	1/4	3,003.55	1/4	2,743.46	1/4	2,483.08	1/4	2,221.59	1/4	1,960.10	1/4	1,698.61		
1/2		1/2		1/2		1/2	3,258.22	1/2	2,998.13	1/2	2,738.04	1/2	2,477.64	1/2	2,216.15	1/2	1,954.66	1/2	1,693.17		
3/4		3/4		3/4		3/4	3,252.80	3/4	2,992.71	3/4	2,732.63	3/4	2,472.19	3/4	2,210.70	3/4	1,949.21	3/4	1,687.72		
11		11		11		11	3,247.38	11	2,987.30	11	2,727.21	11	2,466.74	11	2,205.25	11	1,943.76	11	1,682.27		
1/4		1/4		1/4		1/4	3,241.96	1/4	2,981.88	1/4	2,721.79	1/4	2,461.29	1/4	2,199.80	1/4	1,938.31	1/4	1,676.82		
1/2		1/2		1/2		1/2	3,236.55	1/2	2,976.46	1/2	2,716.37	1/2	2,455.84	1/2	2,194.35	1/2	1,932.87	1/2	1,671.38		
3/4		3/4		3/4		3/4	3,456.23	3/4	3,231.13	3/4	2,971.04	3/4	2,710.95	3/4	2,450.40	3/4	2,188.91	3/4	1,927.42	3/4	1,665.93

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 27'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 10237"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,660.48	0	1,398.99	0	1,137.33	0	876.58	0	615.65	0	354.02	0	92.50	0		0		0	
1/4	1,655.03	1/4	1,393.54	1/4	1,131.88	1/4	871.17	1/4	610.20	1/4	348.57	1/4	87.09	1/4	1/4	1/4		1/4	1/4
1/2	1,649.58	1/2	1,388.08	1/2	1,126.43	1/2	865.75	1/2	604.75	1/2	343.12	1/2	81.67	1/2	1/2	1/2		1/2	1/2
3/4	1,644.14	3/4	1,382.63	3/4	1,120.98	3/4	860.34	3/4	599.30	3/4	337.66	3/4	76.25	3/4	3/4	3/4		3/4	3/4
1	1,638.69	1	1,377.18	1	1,115.52	1	854.92	1	593.85	1	332.21	1	70.87	1	1	1		1	1
1/4	1,633.24	1/4	1,371.73	1/4	1,110.07	1/4	849.51	1/4	588.40	1/4	326.76	1/4	65.48	1/4	1/4	1/4		1/4	1/4
1/2	1,627.79	1/2	1,366.28	1/2	1,104.62	1/2	844.09	1/2	582.95	1/2	321.31	1/2	60.09	1/2	1/2	1/2		1/2	1/2
3/4	1,622.35	3/4	1,360.83	3/4	1,099.17	3/4	838.68	3/4	577.50	3/4	315.86	3/4	54.70	3/4	3/4	3/4		3/4	3/4
2	1,616.90	2	1,355.38	2	1,093.72	2	833.26	2	572.05	2	310.41	2	49.36	2	2	2		2	2
1/4	1,611.45	1/4	1,349.93	1/4	1,088.27	1/4	827.85	1/4	566.60	1/4	304.96	1/4	44.03	1/4	1/4	1/4		1/4	1/4
1/2	1,606.00	1/2	1,344.48	1/2	1,082.82	1/2	822.43	1/2	561.15	1/2	299.51	1/2	38.69	1/2	1/2	1/2		1/2	1/2
3/4	1,600.56	3/4	1,339.02	3/4	1,077.37	3/4	817.02	3/4	555.70	3/4	294.06	3/4	33.35	3/4	3/4	3/4		3/4	3/4
3	1,595.11	3	1,333.57	3	1,071.92	3	811.61	3	550.25	3	288.61	3	28.82	3	3	3		3	3
1/4	1,589.66	1/4	1,328.12	1/4	1,066.46	1/4	806.20	1/4	544.79	1/4	283.16	1/4	24.28	1/4	1/4	1/4		1/4	1/4
1/2	1,584.21	1/2	1,322.67	1/2	1,061.01	1/2	800.79	1/2	539.34	1/2	277.71	1/2	19.75	1/2	1/2	1/2		1/2	1/2
3/4	1,578.76	3/4	1,317.22	3/4	1,055.56	3/4	795.38	3/4	533.89	3/4	272.25	3/4	15.21	3/4	3/4	3/4		3/4	3/4
4	1,573.32	4	1,311.77	4	1,050.11	4	789.93	4	528.44	4	266.80	4	12.49	4	4	4		4	4
1/4	1,567.87	1/4	1,306.32	1/4	1,044.66	1/4	784.49	1/4	522.99	1/4	261.35	1/4	9.76	1/4	1/4	1/4		1/4	1/4
1/2	1,562.42	1/2	1,300.87	1/2	1,039.21	1/2	779.04	1/2	517.54	1/2	255.90	1/2	7.04	1/2	1/2	1/2		1/2	1/2
3/4	1,556.97	3/4	1,295.41	3/4	1,033.76	3/4	773.60	3/4	512.09	3/4	250.45	3/4	4.31	3/4	3/4	3/4		3/4	3/4
5	1,551.53	5	1,289.96	5	1,028.31	5	768.15	5	506.64	5	245.00	5	3.40	5	5	5		5	5
1/4	1,546.08	1/4	1,284.51	1/4	1,022.85	1/4	762.71	1/4	501.19	1/4	239.55	1/4	2.49	1/4	1/4	1/4		1/4	1/4
1/2	1,540.63	1/2	1,279.06	1/2	1,017.40	1/2	757.26	1/2	495.74	1/2	234.10	1/2	1.59	1/2	1/2	1/2		1/2	1/2
3/4	1,535.18	3/4	1,273.61	3/4	1,011.95	3/4	751.81	3/4	490.29	3/4	228.65	3/4	0.68	3/4	3/4	3/4		3/4	3/4
6	1,529.74	6	1,268.16	6	1,006.54	6	746.37	6	484.84	6	223.20	6		6	6	6		6	6
1/4	1,524.29	1/4	1,262.71	1/4	1,001.12	1/4	740.92	1/4	479.39	1/4	217.75	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,518.84	1/2	1,257.26	1/2	995.71	1/2	735.48	1/2	473.93	1/2	212.30	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,513.39	3/4	1,251.80	3/4	990.29	3/4	730.03	3/4	468.48	3/4	206.85	3/4		3/4	3/4	3/4		3/4	3/4
7	1,507.94	7	1,246.35	7	984.88	7	724.59	7	463.03	7	201.39	7		7	7	7		7	7
1/4	1,502.50	1/4	1,240.90	1/4	979.46	1/4	719.14	1/4	457.58	1/4	195.94	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,497.05	1/2	1,235.45	1/2	974.05	1/2	713.69	1/2	452.13	1/2	190.49	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,491.60	3/4	1,230.00	3/4	968.63	3/4	708.25	3/4	446.68	3/4	185.04	3/4		3/4	3/4	3/4		3/4	3/4
8	1,486.15	8	1,224.55	8	963.22	8	702.80	8	441.23	8	179.59	8		8	8	8		8	8
1/4	1,480.71	1/4	1,219.10	1/4	957.80	1/4	697.36	1/4	435.78	1/4	174.14	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,475.26	1/2	1,213.65	1/2	952.39	1/2	691.91	1/2	430.33	1/2	168.69	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,469.81	3/4	1,208.20	3/4	946.97	3/4	686.46	3/4	424.88	3/4	163.24	3/4		3/4	3/4	3/4		3/4	3/4
9	1,464.36	9	1,202.74	9	941.56	9	681.02	9	419.43	9	157.79	9		9	9	9		9	9
1/4	1,458.92	1/4	1,197.29	1/4	936.14	1/4	675.57	1/4	413.98	1/4	152.34	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,453.47	1/2	1,191.84	1/2	930.73	1/2	670.13	1/2	408.52	1/2	146.89	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,448.02	3/4	1,186.39	3/4	925.32	3/4	664.68	3/4	403.07	3/4	141.44	3/4		3/4	3/4	3/4		3/4	3/4
10	1,442.57	10	1,180.94	10	919.90	10	659.24	10	397.62	10	135.99	10		10	10	10		10	10
1/4	1,437.12	1/4	1,175.49	1/4	914.49	1/4	653.79	1/4	392.17	1/4	130.55	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,431.68	1/2	1,170.04	1/2	909.07	1/2	648.35	1/2	386.72	1/2	125.10	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,426.23	3/4	1,164.59	3/4	903.66	3/4	642.90	3/4	381.27	3/4	119.66	3/4		3/4	3/4	3/4		3/4	3/4
11	1,420.78	11	1,159.13	11	898.24	11	637.45	11	375.82	11	114.22	11		11	11	11		11	11
1/4	1,415.33	1/4	1,153.68	1/4	892.83	1/4	632.00	1/4	370.37	1/4	108.79	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,409.89	1/2	1,148.23	1/2	887.41	1/2	626.55	1/2	364.92	1/2	103.35	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,404.44	3/4	1,142.78	3/4	882.00	3/4	621.10	3/4	359.47	3/4	97.92	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/13/2012 CL  
CALCULATED: 06/13/2012 CL  
PRINTED: 06/13/2012 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2012

PRECISION MEASUREMENT  
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