



# BARGE "KIRBY 10440"

## 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	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8
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'-03"

March 13, 2015

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

<http://www.pmacorp.net>



# BARGE "KIRBY 10440"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 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	0	0	0	0	3,554.14	0	3,301.24	0	3,048.34	0	2,789.76	0	2,494.17	0	2,197.87		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,548.87	1/4	3,295.97	1/4	3,043.07	1/4	2,783.60	1/4	2,487.99	1/4	2,191.70		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,764.44	1/2	3,543.60	1/2	3,290.70	1/2	3,037.80	1/2	2,777.45	1/2	2,481.82	1/2	2,185.53
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,763.41	3/4	3,538.34	3/4	3,285.43	3/4	3,032.53	3/4	2,771.29	3/4	2,475.65	3/4	2,179.35
1	1	1	1	1	1	1	1	3,762.38	1	3,533.07	1	3,280.16	1	3,027.26	1	2,765.14	1	2,469.48	1	2,173.18
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,761.34	1/4	3,527.80	1/4	3,274.90	1/4	3,021.99	1/4	2,758.99	1/4	2,463.30	1/4	2,167.01
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,760.31	1/2	3,522.53	1/2	3,269.63	1/2	3,016.72	1/2	2,752.83	1/2	2,457.13	1/2	2,160.84
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,757.21	3/4	3,517.26	3/4	3,264.36	3/4	3,011.46	3/4	2,746.68	3/4	2,450.96	3/4	2,154.66
2	2	2	2	2	2	2	2	3,754.11	2	3,511.99	2	3,259.09	2	3,006.19	2	2,740.52	2	2,444.78	2	2,148.49
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,751.01	1/4	3,506.72	1/4	3,253.82	1/4	3,000.92	1/4	2,734.37	1/4	2,438.61	1/4	2,142.32
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,747.91	1/2	3,501.45	1/2	3,248.55	1/2	2,995.65	1/2	2,728.21	1/2	2,432.44	1/2	2,136.14
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,743.76	3/4	3,496.18	3/4	3,243.28	3/4	2,990.38	3/4	2,722.06	3/4	2,426.27	3/4	2,129.97
3	3	3	3	3	3	3	3	3,739.62	3	3,490.92	3	3,238.01	3	2,985.11	3	2,715.91	3	2,420.09	3	2,123.80
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,735.47	1/4	3,485.65	1/4	3,232.74	1/4	2,979.84	1/4	2,709.75	1/4	2,413.92	1/4	2,117.63
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,731.32	1/2	3,480.38	1/2	3,227.48	1/2	2,974.57	1/2	2,703.60	1/2	2,407.75	1/2	2,111.45
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,726.18	3/4	3,475.11	3/4	3,222.21	3/4	2,969.30	3/4	2,697.44	3/4	2,401.57	3/4	2,105.28
4	4	4	4	4	4	4	4	3,721.05	4	3,469.84	4	3,216.94	4	2,964.04	4	2,691.29	4	2,395.40	4	2,099.11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,715.91	1/4	3,464.57	1/4	3,211.67	1/4	2,958.77	1/4	2,685.13	1/4	2,389.23	1/4	2,092.93
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,710.78	1/2	3,459.30	1/2	3,206.40	1/2	2,953.50	1/2	2,678.98	1/2	2,383.06	1/2	2,086.76
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,705.61	3/4	3,454.03	3/4	3,201.13	3/4	2,948.23	3/4	2,672.83	3/4	2,376.88	3/4	2,080.59
5	5	5	5	5	5	5	5	3,700.44	5	3,448.77	5	3,195.86	5	2,942.96	5	2,666.67	5	2,370.71	5	2,074.42
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,695.27	1/4	3,443.50	1/4	3,190.59	1/4	2,937.69	1/4	2,660.52	1/4	2,364.54	1/4	2,068.24
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,690.10	1/2	3,438.23	1/2	3,185.33	1/2	2,932.42	1/2	2,654.36	1/2	2,358.36	1/2	2,062.07
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,684.91	3/4	3,432.96	3/4	3,180.06	3/4	2,927.15	3/4	2,648.21	3/4	2,352.19	3/4	2,055.90
6	6	6	6	6	6	6	6	3,679.73	6	3,427.69	6	3,174.79	6	2,921.89	6	2,642.05	6	2,346.02	6	2,049.72
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,674.55	1/4	3,422.42	1/4	3,169.52	1/4	2,916.62	1/4	2,635.90	1/4	2,339.85	1/4	2,043.55
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,669.36	1/2	3,417.15	1/2	3,164.25	1/2	2,911.35	1/2	2,629.75	1/2	2,333.67	1/2	2,037.38
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,664.18	3/4	3,411.88	3/4	3,158.98	3/4	2,906.08	3/4	2,623.59	3/4	2,327.50	3/4	2,031.21
7	7	7	7	7	7	7	7	3,659.00	7	3,406.62	7	3,153.71	7	2,900.81	7	2,617.44	7	2,321.33	7	2,025.03
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,653.81	1/4	3,401.35	1/4	3,148.44	1/4	2,895.54	1/4	2,611.28	1/4	2,315.16	1/4	2,018.86
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,648.63	1/2	3,396.08	1/2	3,143.18	1/2	2,890.27	1/2	2,605.13	1/2	2,308.98	1/2	2,012.69
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,643.45	3/4	3,390.81	3/4	3,137.91	3/4	2,885.00	3/4	2,598.97	3/4	2,302.81	3/4	2,006.52
8	8	8	8	8	8	8	8	3,638.27	8	3,385.54	8	3,132.64	8	2,879.74	8	2,592.82	8	2,296.64	8	2,000.34
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,633.09	1/4	3,380.27	1/4	3,127.37	1/4	2,874.47	1/4	2,586.67	1/4	2,290.46	1/4	1,994.17
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,627.90	1/2	3,375.00	1/2	3,122.10	1/2	2,869.20	1/2	2,580.51	1/2	2,284.29	1/2	1,988.00
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,622.64	3/4	3,369.73	3/4	3,116.83	3/4	2,863.90	3/4	2,574.36	3/4	2,278.12	3/4	1,981.82
9	9	9	9	9	9	9	9	3,617.37	9	3,364.46	9	3,111.56	9	2,858.61	9	2,568.20	9	2,271.95	9	1,975.65
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,612.10	1/4	3,359.20	1/4	3,106.29	1/4	2,853.32	1/4	2,562.05	1/4	2,265.77	1/4	1,969.48
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,606.83	1/2	3,353.93	1/2	3,101.02	1/2	2,848.02	1/2	2,555.89	1/2	2,259.60	1/2	1,963.31
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,601.56	3/4	3,348.66	3/4	3,095.76	3/4	2,842.73	3/4	2,549.72	3/4	2,253.43	3/4	1,957.13
10	10	10	10	10	10	10	10	3,596.29	10	3,343.39	10	3,090.49	10	2,837.44	10	2,543.55	10	2,247.25	10	1,950.96
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,591.02	1/4	3,338.12	1/4	3,085.22	1/4	2,832.14	1/4	2,537.38	1/4	2,241.08	1/4	1,944.79
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,585.75	1/2	3,332.85	1/2	3,079.95	1/2	2,826.85	1/2	2,531.20	1/2	2,234.91	1/2	1,938.61
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,580.49	3/4	3,327.58	3/4	3,074.68	3/4	2,820.65	3/4	2,525.03	3/4	2,228.74	3/4	1,932.44
11	11	11	11	11	11	11	11	3,575.22	11	3,322.31	11	3,069.41	11	2,814.46	11	2,518.86	11	2,222.56	11	1,926.27
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,569.95	1/4	3,317.05	1/4	3,064.14	1/4	2,808.26	1/4	2,512.68	1/4	2,216.39	1/4	1,920.10
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,564.68	1/2	3,311.78	1/2	3,058.87	1/2	2,802.07	1/2	2,506.51	1/2	2,210.22	1/2	1,913.92
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,559.41	3/4	3,306.51	3/4	3,053.61	3/4	2,795.91	3/4	2,500.34	3/4	2,204.04	3/4	1,907.75

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "KIRBY 10440"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 1/2"

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	1,901.58	0	1,605.06	0	1,308.36	0	1,011.65	0	720.78	0	424.14	0	127.23	0		0		0	
1/4	1,895.40	1/4	1,598.88	1/4	1,302.18	1/4	1,005.47	1/4	714.69	1/4	417.96	1/4	121.05	1/4		1/4		1/4	
1/2	1,889.23	1/2	1,592.70	1/2	1,295.99	1/2	999.29	1/2	708.61	1/2	411.77	1/2	114.87	1/2		1/2		1/2	
3/4	1,883.06	3/4	1,586.52	3/4	1,289.81	3/4	993.11	3/4	702.44	3/4	405.59	3/4	108.71	3/4		3/4		3/4	
1	1,876.89	1	1,580.34	1	1,283.63	1	986.92	1	696.27	1	399.40	1	102.55	1		1		1	
1/4	1,870.71	1/4	1,574.16	1/4	1,277.45	1/4	980.74	1/4	690.11	1/4	393.22	1/4	96.39	1/4		1/4		1/4	
1/2	1,864.54	1/2	1,567.98	1/2	1,271.27	1/2	974.56	1/2	683.94	1/2	387.03	1/2	90.24	1/2		1/2		1/2	
3/4	1,858.37	3/4	1,561.79	3/4	1,265.09	3/4	968.44	3/4	677.75	3/4	380.84	3/4	84.11	3/4		3/4		3/4	
2	1,852.20	2	1,555.61	2	1,258.91	2	962.32	2	671.57	2	374.66	2	77.98	2		2		2	
1/4	1,846.02	1/4	1,549.43	1/4	1,252.72	1/4	956.21	1/4	665.38	1/4	368.47	1/4	71.86	1/4		1/4		1/4	
1/2	1,839.85	1/2	1,543.25	1/2	1,246.54	1/2	950.09	1/2	659.20	1/2	362.29	1/2	65.73	1/2		1/2		1/2	
3/4	1,833.68	3/4	1,537.07	3/4	1,240.36	3/4	944.03	3/4	653.01	3/4	356.10	3/4	59.66	3/4		3/4		3/4	
3	1,827.50	3	1,530.89	3	1,234.18	3	937.98	3	646.83	3	349.92	3	53.59	3		3		3	
1/4	1,821.33	1/4	1,524.71	1/4	1,228.00	1/4	931.92	1/4	640.64	1/4	343.73	1/4	47.52	1/4		1/4		1/4	
1/2	1,815.16	1/2	1,518.52	1/2	1,221.82	1/2	925.86	1/2	634.46	1/2	337.54	1/2	41.46	1/2		1/2		1/2	
3/4	1,808.98	3/4	1,512.34	3/4	1,215.64	3/4	919.81	3/4	628.27	3/4	331.36	3/4	36.30	3/4		3/4		3/4	
4	1,802.80	4	1,506.16	4	1,209.45	4	913.76	4	622.09	4	325.17	4	31.14	4		4		4	
1/4	1,796.61	1/4	1,499.98	1/4	1,203.27	1/4	907.70	1/4	615.90	1/4	318.99	1/4	25.99	1/4		1/4		1/4	
1/2	1,790.43	1/2	1,493.80	1/2	1,197.09	1/2	901.65	1/2	609.72	1/2	312.80	1/2	20.83	1/2		1/2		1/2	
3/4	1,784.25	3/4	1,487.62	3/4	1,190.91	3/4	895.61	3/4	603.53	3/4	306.62	3/4	17.74	3/4		3/4		3/4	
5	1,778.07	5	1,481.44	5	1,184.73	5	889.57	5	597.34	5	300.43	5	14.64	5		5		5	
1/4	1,771.89	1/4	1,475.25	1/4	1,178.55	1/4	883.53	1/4	591.16	1/4	294.24	1/4	11.54	1/4		1/4		1/4	
1/2	1,765.71	1/2	1,469.07	1/2	1,172.37	1/2	877.49	1/2	584.97	1/2	288.06	1/2	8.44	1/2		1/2		1/2	
3/4	1,759.53	3/4	1,462.89	3/4	1,166.18	3/4	871.47	3/4	578.79	3/4	281.87	3/4	7.41	3/4		3/4		3/4	
6	1,753.35	6	1,456.71	6	1,160.00	6	865.45	6	572.60	6	275.69	6	6.38	6		6		6	
1/4	1,747.17	1/4	1,450.53	1/4	1,153.82	1/4	859.42	1/4	566.42	1/4	269.50	1/4	5.34	1/4		1/4		1/4	
1/2	1,740.98	1/2	1,444.35	1/2	1,147.64	1/2	853.40	1/2	560.23	1/2	263.32	1/2	4.31	1/2		1/2		1/2	
3/4	1,734.80	3/4	1,438.17	3/4	1,141.46	3/4	847.38	3/4	554.04	3/4	257.13	3/4		3/4		3/4		3/4	
7	1,728.62	7	1,431.98	7	1,135.28	7	841.36	7	547.86	7	250.94	7		7		7		7	
1/4	1,722.44	1/4	1,425.80	1/4	1,129.10	1/4	835.33	1/4	541.67	1/4	244.76	1/4		1/4		1/4		1/4	
1/2	1,716.27	1/2	1,419.62	1/2	1,122.91	1/2	829.31	1/2	535.49	1/2	238.57	1/2		1/2		1/2		1/2	
3/4	1,710.09	3/4	1,413.44	3/4	1,116.73	3/4	823.29	3/4	529.30	3/4	232.39	3/4		3/4		3/4		3/4	
8	1,703.91	8	1,407.26	8	1,110.55	8	817.27	8	523.12	8	226.20	8		8		8		8	
1/4	1,697.73	1/4	1,401.08	1/4	1,104.37	1/4	811.24	1/4	516.93	1/4	220.02	1/4		1/4		1/4		1/4	
1/2	1,691.55	1/2	1,394.90	1/2	1,098.19	1/2	805.22	1/2	510.74	1/2	213.83	1/2		1/2		1/2		1/2	
3/4	1,685.37	3/4	1,388.72	3/4	1,092.01	3/4	799.20	3/4	504.56	3/4	207.64	3/4		3/4		3/4		3/4	
9	1,679.20	9	1,382.53	9	1,085.83	9	793.18	9	498.37	9	201.46	9		9		9		9	
1/4	1,673.02	1/4	1,376.35	1/4	1,079.65	1/4	787.15	1/4	492.19	1/4	195.27	1/4		1/4		1/4		1/4	
1/2	1,666.84	1/2	1,370.17	1/2	1,073.46	1/2	781.13	1/2	486.00	1/2	189.09	1/2		1/2		1/2		1/2	
3/4	1,660.66	3/4	1,363.99	3/4	1,067.28	3/4	775.11	3/4	479.82	3/4	182.90	3/4		3/4		3/4		3/4	
10	1,654.48	10	1,357.81	10	1,061.10	10	769.09	10	473.63	10	176.72	10		10		10		10	
1/4	1,648.31	1/4	1,351.63	1/4	1,054.92	1/4	763.06	1/4	467.44	1/4	170.53	1/4		1/4		1/4		1/4	
1/2	1,642.13	1/2	1,345.45	1/2	1,048.74	1/2	757.04	1/2	461.26	1/2	164.35	1/2		1/2		1/2		1/2	
3/4	1,635.95	3/4	1,339.26	3/4	1,042.56	3/4	751.02	3/4	455.07	3/4	158.16	3/4		3/4		3/4		3/4	
11	1,629.77	11	1,333.08	11	1,036.38	11	745.00	11	448.89	11	151.97	11		11		11		11	
1/4	1,623.59	1/4	1,326.90	1/4	1,030.19	1/4	738.98	1/4	442.70	1/4	145.77	1/4		1/4		1/4		1/4	
1/2	1,617.41	1/2	1,320.72	1/2	1,024.01	1/2	732.95	1/2	436.52	1/2	139.58	1/2		1/2		1/2		1/2	
3/4	1,611.24	3/4	1,314.54	3/4	1,017.83	3/4	726.87	3/4	430.33	3/4	133.40	3/4		3/4		3/4		3/4	

STRAPPED: 03/13/2015 CL  
CALCULATED: 03/13/2015 CL  
PRINTED: 03/13/2015 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2015

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 10440"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 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		0	3,261.19	0	2,999.20	0	2,737.22	0	2,474.82	0	2,211.44	0	1,948.05		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,255.73	1/4	2,993.74	1/4	2,731.76	1/4	2,469.34	1/4	2,205.95	1/4	1,942.57		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,477.01	1/2	3,250.27	1/2	2,988.29	1/2	2,726.30	1/2	2,463.85	1/2	2,200.46	1/2	1,937.08
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,476.10	3/4	3,244.81	3/4	2,982.83	3/4	2,720.84	3/4	2,458.36	3/4	2,194.98	3/4	1,931.59
1		1		1		1		1	3,475.18	1	3,239.35	1	2,977.37	1	2,715.39	1	2,452.88	1	2,189.49	1	1,926.10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,474.27	1/4	3,233.90	1/4	2,971.91	1/4	2,709.93	1/4	2,447.39	1/4	2,184.00	1/4	1,920.62
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,473.35	1/2	3,228.44	1/2	2,966.45	1/2	2,704.47	1/2	2,441.90	1/2	2,178.52	1/2	1,915.13
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,470.61	3/4	3,222.98	3/4	2,961.00	3/4	2,699.01	3/4	2,436.41	3/4	2,173.03	3/4	1,909.64
2		2		2		2		2	3,467.86	2	3,217.52	2	2,955.54	2	2,693.55	2	2,430.93	2	2,167.54	2	1,904.16
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,465.12	1/4	3,212.06	1/4	2,950.08	1/4	2,688.10	1/4	2,425.44	1/4	2,162.05	1/4	1,898.67
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,462.37	1/2	3,206.61	1/2	2,944.62	1/2	2,682.64	1/2	2,419.95	1/2	2,156.57	1/2	1,893.18
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,457.92	3/4	3,201.15	3/4	2,939.16	3/4	2,677.18	3/4	2,414.47	3/4	2,151.08	3/4	1,887.69
3		3		3		3		3	3,453.48	3	3,195.69	3	2,933.71	3	2,671.72	3	2,408.98	3	2,145.59	3	1,882.21
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,449.03	1/4	3,190.23	1/4	2,928.25	1/4	2,666.26	1/4	2,403.49	1/4	2,140.11	1/4	1,876.72
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,444.59	1/2	3,184.77	1/2	2,922.79	1/2	2,660.81	1/2	2,398.00	1/2	2,134.62	1/2	1,871.23
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,439.27	3/4	3,179.32	3/4	2,917.33	3/4	2,655.35	3/4	2,392.52	3/4	2,129.13	3/4	1,865.75
4		4		4		4		4	3,433.95	4	3,173.86	4	2,911.87	4	2,649.89	4	2,387.03	4	2,123.64	4	1,860.26
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,428.63	1/4	3,168.40	1/4	2,906.42	1/4	2,644.43	1/4	2,381.54	1/4	2,118.16	1/4	1,854.77
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,423.31	1/2	3,162.94	1/2	2,900.96	1/2	2,638.97	1/2	2,376.06	1/2	2,112.67	1/2	1,849.28
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,417.96	3/4	3,157.48	3/4	2,895.50	3/4	2,633.52	3/4	2,370.57	3/4	2,107.18	3/4	1,843.80
5		5		5		5		5	3,412.61	5	3,152.03	5	2,890.04	5	2,628.06	5	2,365.08	5	2,101.70	5	1,838.31
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,407.26	1/4	3,146.57	1/4	2,884.58	1/4	2,622.60	1/4	2,359.59	1/4	2,096.21	1/4	1,832.82
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,401.91	1/2	3,141.11	1/2	2,879.13	1/2	2,617.14	1/2	2,354.11	1/2	2,090.72	1/2	1,827.34
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,396.55	3/4	3,135.65	3/4	2,873.67	3/4	2,611.68	3/4	2,348.62	3/4	2,085.23	3/4	1,821.85
6		6		6		6		6	3,391.19	6	3,130.19	6	2,868.21	6	2,606.23	6	2,343.13	6	2,079.75	6	1,816.36
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,385.83	1/4	3,124.74	1/4	2,862.75	1/4	2,600.77	1/4	2,337.64	1/4	2,074.26	1/4	1,810.87
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,380.47	1/2	3,119.28	1/2	2,857.29	1/2	2,595.31	1/2	2,332.16	1/2	2,068.77	1/2	1,805.39
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,375.11	3/4	3,113.82	3/4	2,851.84	3/4	2,589.85	3/4	2,326.67	3/4	2,063.28	3/4	1,799.90
7		7		7		7		7	3,369.75	7	3,108.36	7	2,846.38	7	2,584.39	7	2,321.18	7	2,057.80	7	1,794.41
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,364.39	1/4	3,102.90	1/4	2,840.92	1/4	2,578.94	1/4	2,315.70	1/4	2,052.31	1/4	1,788.92
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,359.03	1/2	3,097.45	1/2	2,835.46	1/2	2,573.48	1/2	2,310.21	1/2	2,046.82	1/2	1,783.44
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,353.67	3/4	3,091.99	3/4	2,830.00	3/4	2,568.02	3/4	2,304.72	3/4	2,041.34	3/4	1,777.95
8		8		8		8		8	3,348.31	8	3,086.53	8	2,824.55	8	2,562.56	8	2,299.23	8	2,035.85	8	1,772.46
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,342.96	1/4	3,081.07	1/4	2,819.09	1/4	2,557.10	1/4	2,293.75	1/4	2,030.36	1/4	1,766.98
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,337.60	1/2	3,075.61	1/2	2,813.63	1/2	2,551.65	1/2	2,288.26	1/2	2,024.87	1/2	1,761.49
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,332.14	3/4	3,070.16	3/4	2,808.17	3/4	2,546.16	3/4	2,282.77	3/4	2,019.39	3/4	1,756.00
9		9		9		9		9	3,326.68	9	3,064.70	9	2,802.71	9	2,540.67	9	2,277.29	9	2,013.90	9	1,750.51
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,321.22	1/4	3,059.24	1/4	2,797.26	1/4	2,535.18	1/4	2,271.80	1/4	2,008.41	1/4	1,745.03
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,315.77	1/2	3,053.78	1/2	2,791.80	1/2	2,529.70	1/2	2,266.31	1/2	2,002.93	1/2	1,739.54
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,310.31	3/4	3,048.32	3/4	2,786.34	3/4	2,524.21	3/4	2,260.82	3/4	1,997.44	3/4	1,734.05
10		10		10		10		10	3,304.85	10	3,042.87	10	2,780.88	10	2,518.72	10	2,255.34	10	1,991.95	10	1,728.57
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,299.39	1/4	3,037.41	1/4	2,775.42	1/4	2,513.24	1/4	2,249.85	1/4	1,986.46	1/4	1,723.08
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,293.93	1/2	3,031.95	1/2	2,769.97	1/2	2,507.75	1/2	2,244.36	1/2	1,980.98	1/2	1,717.59
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,288.48	3/4	3,026.49	3/4	2,764.51	3/4	2,502.26	3/4	2,238.88	3/4	1,975.49	3/4	1,712.10
11		11		11		11		11	3,283.02	11	3,021.03	11	2,759.05	11	2,496.77	11	2,233.39	11	1,970.00	11	1,706.62
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,277.56	1/4	3,015.58	1/4	2,753.59	1/4	2,491.29	1/4	2,227.90	1/4	1,964.52	1/4	1,701.13
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,272.10	1/2	3,010.12	1/2	2,748.13	1/2	2,485.80	1/2	2,222.41	1/2	1,959.03	1/2	1,695.64
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,266.64	3/4	3,004.66	3/4	2,742.68	3/4	2,480.31	3/4	2,216.93	3/4	1,953.54	3/4	1,690.16

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 10440"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 1/2"

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	1,684.67	0	1,421.28	0	1,157.74	0	895.88	0	636.49	0	373.05	0	109.57	0	0	0	0	0	0
1/4	1,679.18	1/4	1,415.80	1/4	1,152.25	1/4	890.47	1/4	631.05	1/4	367.56	1/4	104.10	1/4		1/4		1/4	
1/2	1,673.69	1/2	1,410.31	1/2	1,146.75	1/2	885.07	1/2	625.60	1/2	362.07	1/2	98.62	1/2		1/2		1/2	
3/4	1,668.21	3/4	1,404.82	3/4	1,141.26	3/4	879.66	3/4	620.11	3/4	356.58	3/4	93.17	3/4		3/4		3/4	
1	1,662.72	1	1,399.33	1	1,135.77	1	874.26	1	614.62	1	351.09	1	87.71	1		1		1	
1/4	1,657.23	1/4	1,393.84	1/4	1,130.28	1/4	868.85	1/4	609.13	1/4	345.60	1/4	82.26	1/4		1/4		1/4	
1/2	1,651.74	1/2	1,388.35	1/2	1,124.79	1/2	863.44	1/2	603.64	1/2	340.11	1/2	76.80	1/2		1/2		1/2	
3/4	1,646.26	3/4	1,382.85	3/4	1,119.30	3/4	858.04	3/4	598.15	3/4	334.62	3/4	71.38	3/4		3/4		3/4	
2	1,640.77	2	1,377.36	2	1,113.81	2	852.63	2	592.66	2	329.13	2	65.95	2		2		2	
1/4	1,635.28	1/4	1,371.87	1/4	1,108.32	1/4	847.23	1/4	587.17	1/4	323.63	1/4	60.52	1/4		1/4		1/4	
1/2	1,629.80	1/2	1,366.38	1/2	1,102.83	1/2	841.82	1/2	581.68	1/2	318.14	1/2	55.09	1/2		1/2		1/2	
3/4	1,624.31	3/4	1,360.89	3/4	1,097.34	3/4	836.42	3/4	576.19	3/4	312.65	3/4	49.72	3/4		3/4		3/4	
3	1,618.82	3	1,355.40	3	1,091.85	3	831.01	3	570.70	3	307.16	3	44.34	3		3		3	
1/4	1,613.33	1/4	1,349.91	1/4	1,086.36	1/4	825.60	1/4	565.21	1/4	301.67	1/4	38.96	1/4		1/4		1/4	
1/2	1,607.85	1/2	1,344.42	1/2	1,080.87	1/2	820.20	1/2	559.72	1/2	296.18	1/2	33.59	1/2		1/2		1/2	
3/4	1,602.36	3/4	1,338.93	3/4	1,075.38	3/4	814.80	3/4	554.23	3/4	290.69	3/4	29.02	3/4		3/4		3/4	
4	1,596.87	4	1,333.44	4	1,069.88	4	809.40	4	548.74	4	285.20	4	24.45	4		4		4	
1/4	1,591.39	1/4	1,327.95	1/4	1,064.39	1/4	804.00	1/4	543.25	1/4	279.71	1/4	19.88	1/4		1/4		1/4	
1/2	1,585.90	1/2	1,322.46	1/2	1,058.90	1/2	798.60	1/2	537.76	1/2	274.22	1/2	15.32	1/2		1/2		1/2	
3/4	1,580.41	3/4	1,316.97	3/4	1,053.41	3/4	793.20	3/4	532.27	3/4	268.73	3/4	12.57	3/4		3/4		3/4	
5	1,574.92	5	1,311.48	5	1,047.92	5	787.80	5	526.78	5	263.24	5	9.83	5		5		5	
1/4	1,569.44	1/4	1,305.98	1/4	1,042.43	1/4	782.39	1/4	521.29	1/4	257.75	1/4	7.08	1/4		1/4		1/4	
1/2	1,563.95	1/2	1,300.49	1/2	1,036.94	1/2	776.99	1/2	515.80	1/2	252.26	1/2	4.34	1/2		1/2		1/2	
3/4	1,558.46	3/4	1,295.00	3/4	1,031.45	3/4	771.59	3/4	510.30	3/4	246.77	3/4	3.42	3/4		3/4		3/4	
6	1,552.98	6	1,289.51	6	1,025.96	6	766.19	6	504.81	6	241.28	6	2.51	6		6		6	
1/4	1,547.49	1/4	1,284.02	1/4	1,020.47	1/4	760.79	1/4	499.32	1/4	235.79	1/4	1.59	1/4		1/4		1/4	
1/2	1,542.00	1/2	1,278.53	1/2	1,014.98	1/2	755.39	1/2	493.83	1/2	230.30	1/2	0.68	1/2		1/2		1/2	
3/4	1,536.51	3/4	1,273.04	3/4	1,009.53	3/4	749.99	3/4	488.34	3/4	224.81	3/4		3/4		3/4		3/4	
7	1,531.03	7	1,267.55	7	1,004.08	7	744.59	7	482.85	7	219.32	7		7		7		7	
1/4	1,525.54	1/4	1,262.06	1/4	998.63	1/4	739.19	1/4	477.36	1/4	213.83	1/4		1/4		1/4		1/4	
1/2	1,520.05	1/2	1,256.57	1/2	993.18	1/2	733.79	1/2	471.87	1/2	208.34	1/2		1/2		1/2		1/2	
3/4	1,514.56	3/4	1,251.08	3/4	987.78	3/4	728.39	3/4	466.38	3/4	202.85	3/4		3/4		3/4		3/4	
8	1,509.08	8	1,245.59	8	982.37	8	722.99	8	460.89	8	197.36	8		8		8		8	
1/4	1,503.59	1/4	1,240.10	1/4	976.97	1/4	717.59	1/4	455.40	1/4	191.87	1/4		1/4		1/4		1/4	
1/2	1,498.10	1/2	1,234.61	1/2	971.56	1/2	712.19	1/2	449.91	1/2	186.38	1/2		1/2		1/2		1/2	
3/4	1,492.62	3/4	1,229.11	3/4	966.15	3/4	706.79	3/4	444.42	3/4	180.89	3/4		3/4		3/4		3/4	
9	1,487.13	9	1,223.62	9	960.75	9	701.39	9	438.93	9	175.40	9		9		9		9	
1/4	1,481.64	1/4	1,218.13	1/4	955.34	1/4	695.99	1/4	433.44	1/4	169.91	1/4		1/4		1/4		1/4	
1/2	1,476.15	1/2	1,212.64	1/2	949.94	1/2	690.59	1/2	427.95	1/2	164.42	1/2		1/2		1/2		1/2	
3/4	1,470.67	3/4	1,207.15	3/4	944.53	3/4	685.19	3/4	422.46	3/4	158.93	3/4		3/4		3/4		3/4	
10	1,465.18	10	1,201.66	10	939.13	10	679.79	10	416.97	10	153.44	10		10		10		10	
1/4	1,459.69	1/4	1,196.17	1/4	933.72	1/4	674.38	1/4	411.48	1/4	147.95	1/4		1/4		1/4		1/4	
1/2	1,454.21	1/2	1,190.68	1/2	928.31	1/2	668.98	1/2	405.99	1/2	142.46	1/2		1/2		1/2		1/2	
3/4	1,448.72	3/4	1,185.19	3/4	922.91	3/4	663.58	3/4	400.50	3/4	136.97	3/4		3/4		3/4		3/4	
11	1,443.23	11	1,179.70	11	917.50	11	658.19	11	395.01	11	131.49	11		11		11		11	
1/4	1,437.74	1/4	1,174.21	1/4	912.10	1/4	652.79	1/4	389.52	1/4	126.00	1/4		1/4		1/4		1/4	
1/2	1,432.26	1/2	1,168.72	1/2	906.69	1/2	647.39	1/2	384.03	1/2	120.52	1/2		1/2		1/2		1/2	
3/4	1,426.77	3/4	1,163.23	3/4	901.29	3/4	641.94	3/4	378.54	3/4	115.05	3/4		3/4		3/4		3/4	

STRAPPED: 03/13/2015 CL  
CALCULATED: 03/13/2015 CL  
PRINTED: 03/13/2015 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2015

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 10440"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0		0	3,239.97	0	2,980.05	0	2,720.12	0	2,459.79	0	2,198.46	0	1,937.12		
1/4		1/4		1/4		1/4		1/4	3,234.56	1/4	2,974.63	1/4	2,714.71	1/4	2,454.34	1/4	2,193.01	1/4	1,931.68		
1/2		1/2		1/2		1/2		1/2	3,454.11	1/2	3,229.14	1/2	2,969.22	1/2	2,709.29	1/2	2,448.90	1/2	2,187.57	1/2	1,926.24
3/4		3/4		3/4		3/4		3/4	3,453.20	3/4	3,223.73	3/4	2,963.80	3/4	2,703.88	3/4	2,443.45	3/4	2,182.12	3/4	1,920.79
1		1		1		1		1	3,452.29	1	3,218.31	1	2,958.39	1	2,698.46	1	2,438.01	1	2,176.68	1	1,915.35
1/4		1/4		1/4		1/4		1/4	3,451.38	1/4	3,212.90	1/4	2,952.97	1/4	2,693.05	1/4	2,432.56	1/4	2,171.23	1/4	1,909.90
1/2		1/2		1/2		1/2		1/2	3,450.48	1/2	3,207.48	1/2	2,947.56	1/2	2,687.63	1/2	2,427.12	1/2	2,165.79	1/2	1,904.46
3/4		3/4		3/4		3/4		3/4	3,447.75	3/4	3,202.07	3/4	2,942.14	3/4	2,682.22	3/4	2,421.68	3/4	2,160.34	3/4	1,899.01
2		2		2		2		2	3,445.03	2	3,196.65	2	2,936.73	2	2,676.80	2	2,416.23	2	2,154.90	2	1,893.57
1/4		1/4		1/4		1/4		1/4	3,442.30	1/4	3,191.24	1/4	2,931.31	1/4	2,671.39	1/4	2,410.79	1/4	2,149.46	1/4	1,888.12
1/2		1/2		1/2		1/2		1/2	3,439.58	1/2	3,185.82	1/2	2,925.90	1/2	2,665.97	1/2	2,405.34	1/2	2,144.01	1/2	1,882.68
3/4		3/4		3/4		3/4		3/4	3,435.17	3/4	3,180.40	3/4	2,920.48	3/4	2,660.56	3/4	2,399.90	3/4	2,138.57	3/4	1,877.24
3		3		3		3		3	3,430.76	3	3,174.99	3	2,915.06	3	2,655.14	3	2,394.45	3	2,133.12	3	1,871.79
1/4		1/4		1/4		1/4		1/4	3,426.35	1/4	3,169.57	1/4	2,909.66	1/4	2,649.72	1/4	2,389.01	1/4	2,127.68	1/4	1,866.35
1/2		1/2		1/2		1/2		1/2	3,421.94	1/2	3,164.16	1/2	2,904.23	1/2	2,644.31	1/2	2,383.56	1/2	2,122.23	1/2	1,860.90
3/4		3/4		3/4		3/4		3/4	3,416.66	3/4	3,158.74	3/4	2,898.82	3/4	2,638.89	3/4	2,378.12	3/4	2,116.79	3/4	1,855.46
4		4		4		4		4	3,411.39	4	3,153.33	4	2,893.40	4	2,633.48	4	2,372.68	4	2,111.34	4	1,850.01
1/4		1/4		1/4		1/4		1/4	3,406.11	1/4	3,147.91	1/4	2,887.99	1/4	2,628.06	1/4	2,367.23	1/4	2,105.90	1/4	1,844.57
1/2		1/2		1/2		1/2		1/2	3,400.83	1/2	3,142.50	1/2	2,882.57	1/2	2,622.65	1/2	2,361.79	1/2	2,100.46	1/2	1,839.12
3/4		3/4		3/4		3/4		3/4	3,395.53	3/4	3,137.08	3/4	2,877.16	3/4	2,617.23	3/4	2,356.34	3/4	2,095.01	3/4	1,833.68
5		5		5		5		5	3,390.22	5	3,131.67	5	2,871.74	5	2,611.82	5	2,350.90	5	2,089.57	5	1,828.24
1/4		1/4		1/4		1/4		1/4	3,384.91	1/4	3,126.25	1/4	2,866.33	1/4	2,606.40	1/4	2,345.45	1/4	2,084.12	1/4	1,822.79
1/2		1/2		1/2		1/2		1/2	3,379.60	1/2	3,120.84	1/2	2,860.91	1/2	2,600.99	1/2	2,340.01	1/2	2,078.68	1/2	1,817.35
3/4		3/4		3/4		3/4		3/4	3,374.28	3/4	3,115.42	3/4	2,855.50	3/4	2,595.57	3/4	2,334.57	3/4	2,073.23	3/4	1,811.90
6		6		6		6		6	3,368.96	6	3,110.01	6	2,850.08	6	2,590.16	6	2,329.12	6	2,067.79	6	1,806.46
1/4		1/4		1/4		1/4		1/4	3,363.64	1/4	3,104.59	1/4	2,844.67	1/4	2,584.74	1/4	2,323.68	1/4	2,062.35	1/4	1,801.01
1/2		1/2		1/2		1/2		1/2	3,358.32	1/2	3,099.18	1/2	2,839.25	1/2	2,579.33	1/2	2,318.23	1/2	2,056.90	1/2	1,795.57
3/4		3/4		3/4		3/4		3/4	3,353.00	3/4	3,093.76	3/4	2,833.84	3/4	2,573.91	3/4	2,312.79	3/4	2,051.46	3/4	1,790.13
7		7		7		7		7	3,347.68	7	3,088.35	7	2,828.42	7	2,568.50	7	2,307.34	7	2,046.01	7	1,784.68
1/4		1/4		1/4		1/4		1/4	3,342.37	1/4	3,082.93	1/4	2,823.01	1/4	2,563.08	1/4	2,301.90	1/4	2,040.57	1/4	1,779.24
1/2		1/2		1/2		1/2		1/2	3,337.05	1/2	3,077.52	1/2	2,817.59	1/2	2,557.67	1/2	2,296.45	1/2	2,035.12	1/2	1,773.79
3/4		3/4		3/4		3/4		3/4	3,331.73	3/4	3,072.10	3/4	2,812.18	3/4	2,552.25	3/4	2,291.01	3/4	2,029.68	3/4	1,768.35
8		8		8		8		8	3,326.42	8	3,066.69	8	2,806.76	8	2,546.84	8	2,285.57	8	2,024.23	8	1,762.90
1/4		1/4		1/4		1/4		1/4	3,321.10	1/4	3,061.27	1/4	2,801.35	1/4	2,541.42	1/4	2,280.12	1/4	2,018.79	1/4	1,757.46
1/2		1/2		1/2		1/2		1/2	3,315.78	1/2	3,055.86	1/2	2,795.93	1/2	2,536.01	1/2	2,274.68	1/2	2,013.35	1/2	1,752.01
3/4		3/4		3/4		3/4		3/4	3,310.37	3/4	3,050.44	3/4	2,790.52	3/4	2,530.56	3/4	2,269.23	3/4	2,007.90	3/4	1,746.57
9		9		9		9		9	3,304.95	9	3,045.03	9	2,785.10	9	2,525.12	9	2,263.79	9	2,002.46	9	1,741.13
1/4		1/4		1/4		1/4		1/4	3,299.54	1/4	3,039.61	1/4	2,779.69	1/4	2,519.67	1/4	2,258.34	1/4	1,997.01	1/4	1,735.68
1/2		1/2		1/2		1/2		1/2	3,294.12	1/2	3,034.20	1/2	2,774.27	1/2	2,514.23	1/2	2,252.90	1/2	1,991.57	1/2	1,730.24
3/4		3/4		3/4		3/4		3/4	3,288.71	3/4	3,028.78	3/4	2,768.86	3/4	2,508.79	3/4	2,247.45	3/4	1,986.12	3/4	1,724.79
10		10		10		10		10	3,283.29	10	3,023.37	10	2,763.44	10	2,503.34	10	2,242.01	10	1,980.68	10	1,719.35
1/4		1/4		1/4		1/4		1/4	3,277.88	1/4	3,017.95	1/4	2,758.03	1/4	2,497.90	1/4	2,236.57	1/4	1,975.23	1/4	1,713.90
1/2		1/2		1/2		1/2		1/2	3,272.46	1/2	3,012.54	1/2	2,752.61	1/2	2,492.45	1/2	2,231.12	1/2	1,969.79	1/2	1,708.46
3/4		3/4		3/4		3/4		3/4	3,267.05	3/4	3,007.12	3/4	2,747.20	3/4	2,487.01	3/4	2,225.68	3/4	1,964.35	3/4	1,703.01
11		11		11		11		11	3,261.63	11	3,001.71	11	2,741.78	11	2,481.56	11	2,220.23	11	1,958.90	11	1,697.57
1/4		1/4		1/4		1/4		1/4	3,256.22	1/4	2,996.29	1/4	2,736.37	1/4	2,476.12	1/4	2,214.79	1/4	1,953.46	1/4	1,692.13
1/2		1/2		1/2		1/2		1/2	3,250.80	1/2	2,990.88	1/2	2,730.95	1/2	2,470.68	1/2	2,209.34	1/2	1,948.01	1/2	1,686.68
3/4		3/4		3/4		3/4		3/4	3,245.39	3/4	2,985.46	3/4	2,725.54	3/4	2,465.23	3/4	2,203.90	3/4	1,942.57	3/4	1,681.24

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 10440"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 1/2"

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	1,675.79	0	1,414.46	0	1,152.97	0	892.28	0	631.61	0	370.14	0	108.72	0	0	0	0	0	0
1/4	1,670.35	1/4	1,409.02	1/4	1,147.53	1/4	886.87	1/4	626.17	1/4	364.69	1/4	103.29	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,664.90	1/2	1,403.57	1/2	1,142.08	1/2	881.46	1/2	620.72	1/2	359.24	1/2	97.86	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,659.46	3/4	1,398.12	3/4	1,136.63	3/4	876.04	3/4	615.27	3/4	353.80	3/4	92.45	3/4	3/4	3/4	3/4	3/4	3/4
1	1,654.02	1	1,392.68	1	1,131.18	1	870.63	1	609.82	1	348.35	1	87.03	1	1	1	1	1	1
1 1/4	1,648.57	1 1/4	1,387.23	1 1/4	1,125.73	1 1/4	865.22	1 1/4	604.38	1 1/4	342.90	1 1/4	81.62	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	1,643.13	1 1/2	1,381.78	1 1/2	1,120.29	1 1/2	859.81	1 1/2	598.93	1 1/2	337.46	1 1/2	76.21	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
1 3/4	1,637.68	1 3/4	1,376.33	1 3/4	1,114.84	1 3/4	854.40	1 3/4	593.48	1 3/4	332.01	1 3/4	70.82	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4
2	1,632.24	2	1,370.89	2	1,109.39	2	848.99	2	588.04	2	326.56	2	65.44	2	2	2	2	2	2
2 1/4	1,626.79	2 1/4	1,365.44	2 1/4	1,103.94	2 1/4	843.57	2 1/4	582.59	2 1/4	321.11	2 1/4	60.05	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4
2 1/2	1,621.35	2 1/2	1,359.99	2 1/2	1,098.50	2 1/2	838.16	2 1/2	577.14	2 1/2	315.67	2 1/2	54.67	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2
2 3/4	1,615.90	2 3/4	1,354.54	2 3/4	1,093.05	2 3/4	832.75	2 3/4	571.69	2 3/4	310.22	2 3/4	49.33	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4
3	1,610.46	3	1,349.09	3	1,087.60	3	827.34	3	566.25	3	304.77	3	44.00	3	3	3	3	3	3
3 1/4	1,605.02	3 1/4	1,343.65	3 1/4	1,082.15	3 1/4	821.93	3 1/4	560.80	3 1/4	299.32	3 1/4	38.66	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4
3 1/2	1,599.57	3 1/2	1,338.20	3 1/2	1,076.70	3 1/2	816.52	3 1/2	555.35	3 1/2	293.88	3 1/2	33.33	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
3 3/4	1,594.13	3 3/4	1,332.75	3 3/4	1,071.26	3 3/4	811.11	3 3/4	549.90	3 3/4	288.43	3 3/4	28.80	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4
4	1,588.68	4	1,327.30	4	1,065.81	4	805.70	4	544.46	4	282.98	4	24.27	4	4	4	4	4	4
4 1/4	1,583.24	4 1/4	1,321.86	4 1/4	1,060.36	4 1/4	800.30	4 1/4	539.01	4 1/4	277.53	4 1/4	19.73	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4
4 1/2	1,577.79	4 1/2	1,316.41	4 1/2	1,054.91	4 1/2	794.89	4 1/2	533.56	4 1/2	272.09	4 1/2	15.20	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2
4 3/4	1,572.35	4 3/4	1,310.96	4 3/4	1,049.47	4 3/4	789.45	4 3/4	528.11	4 3/4	266.64	4 3/4	12.48	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4
5	1,566.90	5	1,305.51	5	1,044.02	5	784.01	5	522.67	5	261.19	5	9.76	5	5	5	5	5	5
5 1/4	1,561.46	5 1/4	1,300.06	5 1/4	1,038.57	5 1/4	778.56	5 1/4	517.22	5 1/4	255.74	5 1/4	7.03	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4
5 1/2	1,556.02	5 1/2	1,294.62	5 1/2	1,033.12	5 1/2	773.12	5 1/2	511.77	5 1/2	250.30	5 1/2	4.31	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2
5 3/4	1,550.57	5 3/4	1,289.17	5 3/4	1,027.67	5 3/4	767.68	5 3/4	506.32	5 3/4	244.85	5 3/4	3.40	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4
6	1,545.13	6	1,283.72	6	1,022.23	6	762.24	6	500.88	6	239.40	6	2.49	6	6	6	6	6	6
6 1/4	1,539.68	6 1/4	1,278.27	6 1/4	1,016.78	6 1/4	756.79	6 1/4	495.43	6 1/4	233.95	6 1/4	1.59	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4
6 1/2	1,534.24	6 1/2	1,272.83	6 1/2	1,011.33	6 1/2	751.35	6 1/2	489.98	6 1/2	228.51	6 1/2	0.68	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2
6 3/4	1,528.79	6 3/4	1,267.38	6 3/4	1,005.92	6 3/4	745.91	6 3/4	484.53	6 3/4	223.06	6 3/4		6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4
7	1,523.35	7	1,261.93	7	1,000.51	7	740.47	7	479.09	7	217.61	7		7	7	7	7	7	7
7 1/4	1,517.91	7 1/4	1,256.48	7 1/4	995.10	7 1/4	735.02	7 1/4	473.64	7 1/4	212.16	7 1/4		7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4
7 1/2	1,512.46	7 1/2	1,251.03	7 1/2	989.69	7 1/2	729.58	7 1/2	468.19	7 1/2	206.72	7 1/2		7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2
7 3/4	1,507.02	7 3/4	1,245.59	7 3/4	984.27	7 3/4	724.14	7 3/4	462.75	7 3/4	201.27	7 3/4		7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4
8	1,501.57	8	1,240.14	8	978.86	8	718.70	8	457.30	8	195.82	8		8	8	8	8	8	8
8 1/4	1,496.13	8 1/4	1,234.69	8 1/4	973.45	8 1/4	713.25	8 1/4	451.85	8 1/4	190.38	8 1/4		8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4
8 1/2	1,490.68	8 1/2	1,229.24	8 1/2	968.04	8 1/2	707.81	8 1/2	446.40	8 1/2	184.93	8 1/2		8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2
8 3/4	1,485.24	8 3/4	1,223.80	8 3/4	962.63	8 3/4	702.37	8 3/4	440.96	8 3/4	179.48	8 3/4		8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4
9	1,479.79	9	1,218.35	9	957.22	9	696.93	9	435.51	9	174.03	9		9	9	9	9	9	9
9 1/4	1,474.35	9 1/4	1,212.90	9 1/4	951.80	9 1/4	691.49	9 1/4	430.06	9 1/4	168.59	9 1/4		9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4
9 1/2	1,468.91	9 1/2	1,207.45	9 1/2	946.39	9 1/2	686.04	9 1/2	424.61	9 1/2	163.14	9 1/2		9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2
9 3/4	1,463.46	9 3/4	1,202.00	9 3/4	940.98	9 3/4	680.60	9 3/4	419.17	9 3/4	157.69	9 3/4		9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4
10	1,458.02	10	1,196.56	10	935.57	10	675.16	10	413.72	10	152.24	10		10	10	10	10	10	10
10 1/4	1,452.57	10 1/4	1,191.11	10 1/4	930.16	10 1/4	669.72	10 1/4	408.27	10 1/4	146.80	10 1/4		10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4
10 1/2	1,447.13	10 1/2	1,185.66	10 1/2	924.75	10 1/2	664.27	10 1/2	402.82	10 1/2	141.35	10 1/2		10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2
10 3/4	1,441.68	10 3/4	1,180.21	10 3/4	919.34	10 3/4	658.83	10 3/4	397.38	10 3/4	135.91	10 3/4		10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4
11	1,436.24	11	1,174.77	11	913.92	11	653.39	11	391.93	11	130.47	11		11	11	11	11	11	11
11 1/4	1,430.79	11 1/4	1,169.32	11 1/4	908.51	11 1/4	647.95	11 1/4	386.48	11 1/4	125.02	11 1/4		11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4
11 1/2	1,425.35	11 1/2	1,163.87	11 1/2	903.10	11 1/2	642.51	11 1/2	381.03	11 1/2	119.58	11 1/2		11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2
11 3/4	1,419.91	11 3/4	1,158.42	11 3/4	897.69	11 3/4	637.06	11 3/4	375.59	11 3/4	114.15	11 3/4		11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/13/2015 CL  
CALCULATED: 03/13/2015 CL  
PRINTED: 03/13/2015 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2015

PRECISION MEASUREMENT  
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