



BARGE "KIRBY 10089"

ULLAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 163'-06"

January 25, 2024

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

<http://www.pmacorp.net>



BARGE "KIRBY 10089"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	3,569.32	0	3,316.46	0	3,063.60	0	2,807.76	0	2,512.25	0	2,216.00
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,564.05	1/4	3,311.19	1/4	3,058.33	1/4	2,801.56	1/4	2,506.07	1/4	2,209.83
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,558.78	1/2	3,305.92	1/2	3,053.06	1/2	2,795.41	1/2	2,499.90	1/2	2,203.66
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,553.51	3/4	3,300.65	3/4	3,047.79	3/4	2,789.26	3/4	2,493.73	3/4	2,197.48
1	1	1	1	1	1	1	1	1	3,548.24	1	3,295.39	1	3,042.53	1	2,783.11	1	2,487.56	1	2,191.31
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,542.98	1/4	3,290.12	1/4	3,037.26	1/4	2,776.95	1/4	2,481.39	1/4	2,185.14
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,537.71	1/2	3,284.85	1/2	3,031.99	1/2	2,770.80	1/2	2,475.22	1/2	2,178.97
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,532.44	3/4	3,279.58	3/4	3,026.72	3/4	2,764.65	3/4	2,469.04	3/4	2,172.80
2	2	2	2	2	2	2	2	2	3,760.67	2	3,527.17	2	3,274.31	2	3,021.45	2	2,758.49	2	2,462.87
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,759.64	1/4	3,521.90	1/4	3,269.05	1/4	3,016.19	1/4	2,752.34	1/4	2,456.70
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,756.54	1/2	3,516.64	1/2	3,263.78	1/2	3,010.92	1/2	2,746.19	1/2	2,450.53
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,753.44	3/4	3,511.37	3/4	3,258.51	3/4	3,005.65	3/4	2,740.04	3/4	2,444.36
3	3	3	3	3	3	3	3	3	3,750.34	3	3,506.10	3	3,253.24	3	3,000.38	3	2,733.88	3	2,438.18
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,747.25	1/4	3,500.83	1/4	3,247.97	1/4	2,995.11	1/4	2,727.73	1/4	2,432.01
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,743.10	1/2	3,495.57	1/2	3,242.71	1/2	2,989.85	1/2	2,721.58	1/2	2,425.84
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,738.95	3/4	3,490.30	3/4	3,237.44	3/4	2,984.58	3/4	2,715.42	3/4	2,419.67
4	4	4	4	4	4	4	4	4	3,734.80	4	3,485.03	4	3,232.17	4	2,979.31	4	2,709.27	4	2,413.50
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,730.65	1/4	3,479.76	1/4	3,226.90	1/4	2,974.04	1/4	2,703.12	1/4	2,407.33
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,725.52	1/2	3,474.49	1/2	3,221.63	1/2	2,968.78	1/2	2,696.97	1/2	2,401.15
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,720.38	3/4	3,469.23	3/4	3,216.37	3/4	2,963.51	3/4	2,690.81	3/4	2,394.98
5	5	5	5	5	5	5	5	5	3,715.25	5	3,463.96	5	3,211.10	5	2,958.24	5	2,684.66	5	2,388.81
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,710.12	1/4	3,458.69	1/4	3,205.83	1/4	2,952.97	1/4	2,678.51	1/4	2,382.64
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,704.95	1/2	3,453.42	1/2	3,200.56	1/2	2,947.70	1/2	2,672.35	1/2	2,376.47
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,699.78	3/4	3,448.15	3/4	3,195.30	3/4	2,942.44	3/4	2,666.20	3/4	2,370.29
6	6	6	6	6	6	6	6	6	3,694.61	6	3,442.89	6	3,190.03	6	2,937.17	6	2,660.05	6	2,364.12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,689.44	1/4	3,437.62	1/4	3,184.76	1/4	2,931.90	1/4	2,653.89	1/4	2,357.95
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,684.26	1/2	3,432.35	1/2	3,179.49	1/2	2,926.63	1/2	2,647.74	1/2	2,351.78
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,679.07	3/4	3,427.08	3/4	3,174.22	3/4	2,921.36	3/4	2,641.59	3/4	2,345.61
7	7	7	7	7	7	7	7	7	3,673.89	7	3,421.81	7	3,168.96	7	2,916.10	7	2,635.44	7	2,339.44
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,668.71	1/4	3,416.55	1/4	3,163.69	1/4	2,910.83	1/4	2,629.28	1/4	2,333.26
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,663.53	1/2	3,411.28	1/2	3,158.42	1/2	2,905.56	1/2	2,623.13	1/2	2,327.09
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,658.35	3/4	3,406.01	3/4	3,153.15	3/4	2,900.29	3/4	2,616.98	3/4	2,320.92
8	8	8	8	8	8	8	8	8	3,653.16	8	3,400.74	8	3,147.88	8	2,895.02	8	2,610.82	8	2,314.75
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,647.98	1/4	3,395.48	1/4	3,142.62	1/4	2,889.76	1/4	2,604.67	1/4	2,308.58
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,642.80	1/2	3,390.21	1/2	3,137.35	1/2	2,884.49	1/2	2,598.52	1/2	2,302.40
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,637.62	3/4	3,384.94	3/4	3,132.08	3/4	2,879.22	3/4	2,592.37	3/4	2,296.23
9	9	9	9	9	9	9	9	9	3,632.44	9	3,379.67	9	3,126.81	9	2,873.95	9	2,586.21	9	2,290.06
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,627.26	1/4	3,374.40	1/4	3,121.54	1/4	2,868.69	1/4	2,580.06	1/4	2,283.89
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,621.99	1/2	3,369.14	1/2	3,116.28	1/2	2,863.39	1/2	2,573.91	1/2	2,277.72
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,616.73	3/4	3,363.87	3/4	3,111.01	3/4	2,858.10	3/4	2,567.75	3/4	2,271.55
10	10	10	10	10	10	10	10	10	3,611.46	10	3,358.60	10	3,105.74	10	2,852.81	10	2,561.60	10	2,265.37
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,606.19	1/4	3,353.33	1/4	3,100.47	1/4	2,847.51	1/4	2,555.45	1/4	2,259.20
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,600.92	1/2	3,348.06	1/2	3,095.20	1/2	2,842.22	1/2	2,549.28	1/2	2,253.03
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,595.66	3/4	3,342.80	3/4	3,089.94	3/4	2,836.93	3/4	2,543.10	3/4	2,246.86
11	11	11	11	11	11	11	11	11	3,590.39	11	3,337.53	11	3,084.67	11	2,831.64	11	2,536.93	11	2,240.69
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,585.12	1/4	3,332.26	1/4	3,079.40	1/4	2,826.34	1/4	2,530.76	1/4	2,234.51
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,579.85	1/2	3,326.99	1/2	3,074.13	1/2	2,820.15	1/2	2,524.59	1/2	2,228.34
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,574.58	3/4	3,321.72	3/4	3,068.87	3/4	2,813.95	3/4	2,518.42	3/4	2,222.17

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 31'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "KIRBY 10089"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,919.75	0	1,623.30	0	1,326.66	0	1,030.01	0	738.84	0	442.62	0	145.74	0		0			
1/4	1,913.58	1/4	1,617.12	1/4	1,320.48	1/4	1,023.83	1/4	732.82	1/4	436.43	1/4	139.55	1/4		1/4			
1/2	1,907.41	1/2	1,610.95	1/2	1,314.30	1/2	1,017.65	1/2	726.73	1/2	430.25	1/2	133.38	1/2		1/2			
3/4	1,901.24	3/4	1,604.77	3/4	1,308.12	3/4	1,011.47	3/4	720.65	3/4	424.06	3/4	127.20	3/4		3/4			
1	1,895.07	1	1,598.59	1	1,301.94	1	1,005.29	1	714.56	1	417.88	1	121.02	1		1			
1/4	1,888.89	1/4	1,592.41	1/4	1,295.76	1/4	999.11	1/4	708.48	1/4	411.70	1/4	114.84	1/4		1/4			
1/2	1,882.72	1/2	1,586.23	1/2	1,289.58	1/2	992.93	1/2	702.31	1/2	405.51	1/2	108.69	1/2		1/2			
3/4	1,876.55	3/4	1,580.05	3/4	1,283.40	3/4	986.75	3/4	696.15	3/4	399.33	3/4	102.53	3/4		3/4			
2	1,870.38	2	1,573.87	2	1,277.22	2	980.56	2	689.98	2	393.14	2	96.37	2		2			
1/4	1,864.21	1/4	1,567.69	1/4	1,271.04	1/4	974.38	1/4	683.81	1/4	386.96	1/4	90.22	1/4		1/4			
1/2	1,858.04	1/2	1,561.51	1/2	1,264.86	1/2	968.27	1/2	677.63	1/2	380.77	1/2	84.09	1/2		1/2			
3/4	1,851.86	3/4	1,555.33	3/4	1,258.68	3/4	962.15	3/4	671.44	3/4	374.59	3/4	77.97	3/4		3/4			
3	1,845.69	3	1,549.15	3	1,252.50	3	956.03	3	665.26	3	368.40	3	71.84	3		3			
1/4	1,839.52	1/4	1,542.97	1/4	1,246.32	1/4	949.91	1/4	659.08	1/4	362.22	1/4	65.72	1/4		1/4			
1/2	1,833.35	1/2	1,536.79	1/2	1,240.14	1/2	943.86	1/2	652.89	1/2	356.03	1/2	59.65	1/2		1/2			
3/4	1,827.18	3/4	1,530.61	3/4	1,233.96	3/4	937.81	3/4	646.71	3/4	349.85	3/4	53.58	3/4		3/4			
4	1,821.00	4	1,524.43	4	1,227.78	4	931.75	4	640.53	4	343.67	4	47.51	4		4			
1/4	1,814.83	1/4	1,518.25	1/4	1,221.60	1/4	925.70	1/4	634.34	1/4	337.48	1/4	41.44	1/4		1/4			
1/2	1,808.65	1/2	1,512.07	1/2	1,215.42	1/2	919.64	1/2	628.16	1/2	331.30	1/2	36.29	1/2		1/2			
3/4	1,802.47	3/4	1,505.89	3/4	1,209.24	3/4	913.59	3/4	621.97	3/4	325.11	3/4	31.14	3/4		3/4			
5	1,796.29	5	1,499.71	5	1,203.06	5	907.54	5	615.79	5	318.93	5	25.98	5		5			
1/4	1,790.11	1/4	1,493.53	1/4	1,196.88	1/4	901.48	1/4	609.60	1/4	312.74	1/4	20.83	1/4		1/4			
1/2	1,783.93	1/2	1,487.35	1/2	1,190.69	1/2	895.44	1/2	603.42	1/2	306.56	1/2	17.73	1/2		1/2			
3/4	1,777.75	3/4	1,481.17	3/4	1,184.51	3/4	889.41	3/4	597.23	3/4	300.37	3/4	14.63	3/4		3/4			
6	1,771.57	6	1,474.99	6	1,178.33	6	883.37	6	591.05	6	294.19	6	11.53	6		6			
1/4	1,765.39	1/4	1,468.81	1/4	1,172.15	1/4	877.33	1/4	584.86	1/4	288.00	1/4	8.43	1/4		1/4			
1/2	1,759.21	1/2	1,462.63	1/2	1,165.97	1/2	871.31	1/2	578.68	1/2	281.82	1/2	7.40	1/2		1/2			
3/4	1,753.03	3/4	1,456.45	3/4	1,159.79	3/4	865.29	3/4	572.50	3/4	275.63	3/4	6.37	3/4		3/4			
7	1,746.85	7	1,450.27	7	1,153.61	7	859.27	7	566.31	7	269.45	7	5.34	7		7			
1/4	1,740.67	1/4	1,444.09	1/4	1,147.43	1/4	853.24	1/4	560.13	1/4	263.27	1/4	4.31	1/4		1/4			
1/2	1,734.49	1/2	1,437.91	1/2	1,141.25	1/2	847.22	1/2	553.94	1/2	257.08	1/2		1/2		1/2			
3/4	1,728.31	3/4	1,431.73	3/4	1,135.07	3/4	841.20	3/4	547.76	3/4	250.90	3/4		3/4		3/4			
8	1,722.14	8	1,425.55	8	1,128.89	8	835.18	8	541.57	8	244.71	8		8		8			
1/4	1,715.96	1/4	1,419.37	1/4	1,122.71	1/4	829.16	1/4	535.39	1/4	238.53	1/4		1/4		1/4			
1/2	1,709.78	1/2	1,413.19	1/2	1,116.53	1/2	823.14	1/2	529.20	1/2	232.34	1/2		1/2		1/2			
3/4	1,703.60	3/4	1,407.01	3/4	1,110.35	3/4	817.12	3/4	523.02	3/4	226.16	3/4		3/4		3/4			
9	1,697.43	9	1,400.83	9	1,104.17	9	811.10	9	516.83	9	219.97	9		9		9			
1/4	1,691.25	1/4	1,394.64	1/4	1,097.99	1/4	805.07	1/4	510.65	1/4	213.79	1/4		1/4		1/4			
1/2	1,685.07	1/2	1,388.46	1/2	1,091.81	1/2	799.05	1/2	504.46	1/2	207.60	1/2		1/2		1/2			
3/4	1,678.89	3/4	1,382.28	3/4	1,085.63	3/4	793.03	3/4	498.28	3/4	201.42	3/4		3/4		3/4			
10	1,672.72	10	1,376.10	10	1,079.45	10	787.01	10	492.10	10	195.23	10		10		10			
1/4	1,666.54	1/4	1,369.92	1/4	1,073.27	1/4	780.99	1/4	485.91	1/4	189.05	1/4		1/4		1/4			
1/2	1,660.36	1/2	1,363.74	1/2	1,067.09	1/2	774.97	1/2	479.73	1/2	182.87	1/2		1/2		1/2			
3/4	1,654.19	3/4	1,357.56	3/4	1,060.91	3/4	768.95	3/4	473.54	3/4	176.68	3/4		3/4		3/4			
11	1,648.01	11	1,351.38	11	1,054.73	11	762.93	11	467.36	11	170.50	11		11		11			
1/4	1,641.83	1/4	1,345.20	1/4	1,048.55	1/4	756.90	1/4	461.17	1/4	164.31	1/4		1/4		1/4			
1/2	1,635.65	1/2	1,339.02	1/2	1,042.37	1/2	750.88	1/2	454.99	1/2	158.12	1/2		1/2		1/2			
3/4	1,629.48	3/4	1,332.84	3/4	1,036.19	3/4	744.86	3/4	448.80	3/4	151.93	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/30/2013 SW
CALCULATED: 12/31/2013 CL
VERIFIED: 01/25/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2024

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



BARGE "KIRBY 10089"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.		
0	0	0	0	0	0	0	0	0	3,260.17	0	2,998.27	0	2,736.37	0	2,474.05	0	2,210.75	0	1,947.45		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,254.71	1/4	2,992.81	1/4	2,730.91	1/4	2,468.57	1/4	2,205.26	1/4	1,941.96		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,475.93	1/2	3,249.26	1/2	2,987.36	1/2	2,725.45	1/2	2,463.08	1/2	2,199.78	1/2	1,936.48
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,475.02	3/4	3,243.80	3/4	2,981.90	3/4	2,720.00	3/4	2,457.60	3/4	2,194.29	3/4	1,930.99
1	1	1	1	1	1	1	1	1	3,474.10	1	3,238.35	1	2,976.44	1	2,714.54	1	2,452.11	1	2,188.81	1	1,925.50
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,473.19	1/4	3,232.89	1/4	2,970.99	1/4	2,709.08	1/4	2,446.63	1/4	2,183.32	1/4	1,920.02
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,472.27	1/2	3,227.43	1/2	2,965.53	1/2	2,703.63	1/2	2,441.14	1/2	2,177.84	1/2	1,914.53
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,469.53	3/4	3,221.98	3/4	2,960.07	3/4	2,698.17	3/4	2,435.66	3/4	2,172.35	3/4	1,909.05
2	2	2	2	2	2	2	2	2	3,466.78	2	3,216.52	2	2,954.62	2	2,692.72	2	2,430.17	2	2,166.87	2	1,903.56
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,464.04	1/4	3,211.06	1/4	2,949.16	1/4	2,687.26	1/4	2,424.68	1/4	2,161.38	1/4	1,898.08
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,461.29	1/2	3,205.61	1/2	2,943.70	1/2	2,681.80	1/2	2,419.20	1/2	2,155.90	1/2	1,892.59
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,456.85	3/4	3,200.15	3/4	2,938.25	3/4	2,676.35	3/4	2,413.71	3/4	2,150.41	3/4	1,887.11
3	3	3	3	3	3	3	3	3	3,452.40	3	3,194.69	3	2,932.79	3	2,670.89	3	2,408.23	3	2,144.92	3	1,881.62
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,447.96	1/4	3,189.24	1/4	2,927.34	1/4	2,665.43	1/4	2,402.74	1/4	2,139.44	1/4	1,876.13
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,443.52	1/2	3,183.78	1/2	2,921.88	1/2	2,659.98	1/2	2,397.26	1/2	2,133.95	1/2	1,870.65
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,438.20	3/4	3,178.33	3/4	2,916.42	3/4	2,654.52	3/4	2,391.77	3/4	2,128.47	3/4	1,865.16
4	4	4	4	4	4	4	4	4	3,432.88	4	3,172.87	4	2,910.97	4	2,649.06	4	2,386.29	4	2,122.98	4	1,859.68
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,427.56	1/4	3,167.41	1/4	2,905.51	1/4	2,643.61	1/4	2,380.80	1/4	2,117.50	1/4	1,854.19
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,422.25	1/2	3,161.96	1/2	2,900.05	1/2	2,638.15	1/2	2,375.32	1/2	2,112.01	1/2	1,848.71
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,416.90	3/4	3,156.50	3/4	2,894.60	3/4	2,632.70	3/4	2,369.83	3/4	2,106.53	3/4	1,843.22
5	5	5	5	5	5	5	5	5	3,411.55	5	3,151.04	5	2,889.14	5	2,627.24	5	2,364.34	5	2,101.04	5	1,837.74
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,406.20	1/4	3,145.59	1/4	2,883.69	1/4	2,621.78	1/4	2,358.86	1/4	2,095.55	1/4	1,832.25
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,400.86	1/2	3,140.13	1/2	2,878.23	1/2	2,616.33	1/2	2,353.37	1/2	2,090.07	1/2	1,826.77
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,395.50	3/4	3,134.68	3/4	2,872.77	3/4	2,610.87	3/4	2,347.89	3/4	2,084.58	3/4	1,821.28
6	6	6	6	6	6	6	6	6	3,390.13	6	3,129.22	6	2,867.32	6	2,605.41	6	2,342.40	6	2,079.10	6	1,815.79
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,384.77	1/4	3,123.76	1/4	2,861.86	1/4	2,599.96	1/4	2,336.92	1/4	2,073.61	1/4	1,810.31
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,379.41	1/2	3,118.31	1/2	2,856.40	1/2	2,594.50	1/2	2,331.43	1/2	2,068.13	1/2	1,804.82
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,374.06	3/4	3,112.85	3/4	2,850.95	3/4	2,589.05	3/4	2,325.95	3/4	2,062.64	3/4	1,799.34
7	7	7	7	7	7	7	7	7	3,368.70	7	3,107.39	7	2,845.49	7	2,583.59	7	2,320.46	7	2,057.16	7	1,793.85
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,363.34	1/4	3,101.94	1/4	2,840.04	1/4	2,578.13	1/4	2,314.97	1/4	2,051.67	1/4	1,788.37
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,357.99	1/2	3,096.48	1/2	2,834.58	1/2	2,572.68	1/2	2,309.49	1/2	2,046.19	1/2	1,782.88
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,352.63	3/4	3,091.02	3/4	2,829.12	3/4	2,567.22	3/4	2,304.00	3/4	2,040.70	3/4	1,777.40
8	8	8	8	8	8	8	8	8	3,347.27	8	3,085.57	8	2,823.67	8	2,561.76	8	2,298.52	8	2,035.21	8	1,771.91
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,341.92	1/4	3,080.11	1/4	2,818.21	1/4	2,556.31	1/4	2,293.03	1/4	2,029.73	1/4	1,766.42
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,336.56	1/2	3,074.66	1/2	2,812.75	1/2	2,550.85	1/2	2,287.55	1/2	2,024.24	1/2	1,760.94
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,331.10	3/4	3,069.20	3/4	2,807.30	3/4	2,545.37	3/4	2,282.06	3/4	2,018.76	3/4	1,755.45
9	9	9	9	9	9	9	9	9	3,325.65	9	3,063.74	9	2,801.84	9	2,539.88	9	2,276.58	9	2,013.27	9	1,749.97
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,320.19	1/4	3,058.29	1/4	2,796.38	1/4	2,534.39	1/4	2,271.09	1/4	2,007.79	1/4	1,744.48
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,314.73	1/2	3,052.83	1/2	2,790.93	1/2	2,528.91	1/2	2,265.61	1/2	2,002.30	1/2	1,739.00
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,309.28	3/4	3,047.37	3/4	2,785.47	3/4	2,523.42	3/4	2,260.12	3/4	1,996.82	3/4	1,733.51
10	10	10	10	10	10	10	10	10	3,303.82	10	3,041.92	10	2,780.02	10	2,517.94	10	2,254.63	10	1,991.33	10	1,728.03
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,298.36	1/4	3,036.46	1/4	2,774.56	1/4	2,512.45	1/4	2,249.15	1/4	1,985.84	1/4	1,722.54
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,292.91	1/2	3,031.01	1/2	2,769.10	1/2	2,506.97	1/2	2,243.66	1/2	1,980.36	1/2	1,717.06
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,287.45	3/4	3,025.55	3/4	2,763.65	3/4	2,501.48	3/4	2,238.18	3/4	1,974.87	3/4	1,711.57
11	11	11	11	11	11	11	11	11	3,282.00	11	3,020.09	11	2,758.19	11	2,496.00	11	2,232.69	11	1,969.39	11	1,706.08
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,276.54	1/4	3,014.64	1/4	2,752.73	1/4	2,490.51	1/4	2,227.21	1/4	1,963.90	1/4	1,700.60
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,271.08	1/2	3,009.18	1/2	2,747.28	1/2	2,485.03	1/2	2,221.72	1/2	1,958.42	1/2	1,695.11
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,265.63	3/4	3,003.72	3/4	2,741.82	3/4	2,479.54	3/4	2,216.24	3/4	1,952.93	3/4	1,689.63

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

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



BARGE "KIRBY 10089"

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	1,684.14	0	1,420.84	0	1,157.37	0	895.60	0	636.29	0	372.93	0	109.53	0		0			
1/4	1,678.66	1/4	1,415.35	1/4	1,151.88	1/4	890.19	1/4	630.85	1/4	367.44	1/4	104.06	1/4		1/4		1/4	
1/2	1,673.17	1/2	1,409.87	1/2	1,146.40	1/2	884.79	1/2	625.40	1/2	361.95	1/2	98.59	1/2		1/2		1/2	
3/4	1,667.69	3/4	1,404.38	3/4	1,140.91	3/4	879.38	3/4	619.91	3/4	356.46	3/4	93.14	3/4		3/4		3/4	
1	1,662.20	1	1,398.89	1	1,135.42	1	873.98	1	614.43	1	350.97	1	87.68	1		1		1	
1/4	1,656.71	1/4	1,393.40	1/4	1,129.93	1/4	868.58	1/4	608.94	1/4	345.49	1/4	82.23	1/4		1/4		1/4	
1/2	1,651.23	1/2	1,387.91	1/2	1,124.44	1/2	863.17	1/2	603.45	1/2	340.00	1/2	76.77	1/2		1/2		1/2	
3/4	1,645.74	3/4	1,382.42	3/4	1,118.95	3/4	857.77	3/4	597.96	3/4	334.51	3/4	71.35	3/4		3/4		3/4	
2	1,640.26	2	1,376.93	2	1,113.46	2	852.36	2	592.47	2	329.02	2	65.92	2		2		2	
1/4	1,634.77	1/4	1,371.44	1/4	1,107.97	1/4	846.96	1/4	586.98	1/4	323.53	1/4	60.50	1/4		1/4		1/4	
1/2	1,629.29	1/2	1,365.96	1/2	1,102.48	1/2	841.56	1/2	581.50	1/2	318.04	1/2	55.07	1/2		1/2		1/2	
3/4	1,623.80	3/4	1,360.47	3/4	1,096.99	3/4	836.15	3/4	576.01	3/4	312.55	3/4	49.70	3/4		3/4		3/4	
3	1,618.32	3	1,354.98	3	1,091.51	3	830.75	3	570.52	3	307.07	3	44.32	3		3		3	
1/4	1,612.83	1/4	1,349.49	1/4	1,086.02	1/4	825.34	1/4	565.03	1/4	301.58	1/4	38.95	1/4		1/4		1/4	
1/2	1,607.35	1/2	1,344.00	1/2	1,080.53	1/2	819.94	1/2	559.54	1/2	296.09	1/2	33.57	1/2		1/2		1/2	
3/4	1,601.86	3/4	1,338.51	3/4	1,075.04	3/4	814.54	3/4	554.05	3/4	290.60	3/4	29.01	3/4		3/4		3/4	
4	1,596.37	4	1,333.02	4	1,069.55	4	809.14	4	548.56	4	285.11	4	24.44	4		4		4	
1/4	1,590.89	1/4	1,327.53	1/4	1,064.06	1/4	803.74	1/4	543.08	1/4	279.62	1/4	19.88	1/4		1/4		1/4	
1/2	1,585.40	1/2	1,322.04	1/2	1,058.57	1/2	798.34	1/2	537.59	1/2	274.13	1/2	15.31	1/2		1/2		1/2	
3/4	1,579.92	3/4	1,316.55	3/4	1,053.08	3/4	792.95	3/4	532.10	3/4	268.65	3/4	12.57	3/4		3/4		3/4	
5	1,574.43	5	1,311.07	5	1,047.59	5	787.55	5	526.61	5	263.16	5	9.82	5		5		5	
1/4	1,568.95	1/4	1,305.58	1/4	1,042.10	1/4	782.15	1/4	521.12	1/4	257.67	1/4	7.08	1/4		1/4		1/4	
1/2	1,563.46	1/2	1,300.09	1/2	1,036.62	1/2	776.75	1/2	515.63	1/2	252.18	1/2	4.33	1/2		1/2		1/2	
3/4	1,557.98	3/4	1,294.60	3/4	1,031.13	3/4	771.35	3/4	510.14	3/4	246.69	3/4	3.42	3/4		3/4		3/4	
6	1,552.49	6	1,289.11	6	1,025.64	6	765.95	6	504.65	6	241.20	6	2.50	6		6		6	
1/4	1,547.00	1/4	1,283.62	1/4	1,020.15	1/4	760.55	1/4	499.17	1/4	235.71	1/4	1.59	1/4		1/4		1/4	
1/2	1,541.52	1/2	1,278.13	1/2	1,014.66	1/2	755.15	1/2	493.68	1/2	230.22	1/2	0.68	1/2		1/2		1/2	
3/4	1,536.03	3/4	1,272.64	3/4	1,009.21	3/4	749.76	3/4	488.19	3/4	224.74	3/4		3/4		3/4		3/4	
7	1,530.55	7	1,267.15	7	1,003.77	7	744.36	7	482.70	7	219.25	7		7		7		7	
1/4	1,525.06	1/4	1,261.66	1/4	998.32	1/4	738.96	1/4	477.21	1/4	213.76	1/4		1/4		1/4		1/4	
1/2	1,519.58	1/2	1,256.18	1/2	992.87	1/2	733.56	1/2	471.72	1/2	208.27	1/2		1/2		1/2		1/2	
3/4	1,514.09	3/4	1,250.69	3/4	987.47	3/4	728.16	3/4	466.23	3/4	202.78	3/4		3/4		3/4		3/4	
8	1,508.61	8	1,245.20	8	982.06	8	722.76	8	460.75	8	197.29	8		8		8		8	
1/4	1,503.12	1/4	1,239.71	1/4	976.66	1/4	717.36	1/4	455.26	1/4	191.80	1/4		1/4		1/4		1/4	
1/2	1,497.64	1/2	1,234.22	1/2	971.25	1/2	711.96	1/2	449.77	1/2	186.32	1/2		1/2		1/2		1/2	
3/4	1,492.15	3/4	1,228.73	3/4	965.85	3/4	706.56	3/4	444.28	3/4	180.83	3/4		3/4		3/4		3/4	
9	1,486.66	9	1,223.24	9	960.45	9	701.17	9	438.79	9	175.34	9		9		9		9	
1/4	1,481.18	1/4	1,217.75	1/4	955.04	1/4	695.77	1/4	433.30	1/4	169.85	1/4		1/4		1/4		1/4	
1/2	1,475.69	1/2	1,212.26	1/2	949.64	1/2	690.37	1/2	427.81	1/2	164.36	1/2		1/2		1/2		1/2	
3/4	1,470.21	3/4	1,206.77	3/4	944.23	3/4	684.97	3/4	422.33	3/4	158.87	3/4		3/4		3/4		3/4	
10	1,464.72	10	1,201.29	10	938.83	10	679.57	10	416.84	10	153.39	10		10		10		10	
1/4	1,459.24	1/4	1,195.80	1/4	933.43	1/4	674.17	1/4	411.35	1/4	147.90	1/4		1/4		1/4		1/4	
1/2	1,453.75	1/2	1,190.31	1/2	928.02	1/2	668.77	1/2	405.86	1/2	142.41	1/2		1/2		1/2		1/2	
3/4	1,448.27	3/4	1,184.82	3/4	922.62	3/4	663.38	3/4	400.37	3/4	136.93	3/4		3/4		3/4		3/4	
11	1,442.78	11	1,179.33	11	917.21	11	657.98	11	394.88	11	131.44	11		11		11		11	
1/4	1,437.29	1/4	1,173.84	1/4	911.81	1/4	652.58	1/4	389.39	1/4	125.96	1/4		1/4		1/4		1/4	
1/2	1,431.81	1/2	1,168.35	1/2	906.41	1/2	647.18	1/2	383.91	1/2	120.48	1/2		1/2		1/2		1/2	
3/4	1,426.32	3/4	1,162.86	3/4	901.00	3/4	641.74	3/4	378.42	3/4	115.01	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/30/2013 SW
CALCULATED: 12/31/2013 CL
VERIFIED: 01/25/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2024

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



BARGE "KIRBY 10089"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	3,452.14	0	3,227.31	0	2,967.52	0	2,707.74	0	2,447.49	0	2,186.31	0	1,925.13
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,451.23	1/4	3,221.90	1/4	2,962.11	1/4	2,702.33	1/4	2,442.05	1/4	2,180.87	1/4	1,919.69
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,450.33	1/2	3,216.49	1/2	2,956.70	1/2	2,696.91	1/2	2,436.61	1/2	2,175.43	1/2	1,914.25
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,449.42	3/4	3,211.07	3/4	2,951.29	3/4	2,691.50	3/4	2,431.17	3/4	2,169.99	3/4	1,908.81
1		1		1		1	3,448.51	1	3,205.66	1	2,945.88	1	2,686.09	1	2,425.72	1	2,164.55	1	1,903.37
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,445.79	1/4	3,200.25	1/4	2,940.46	1/4	2,680.68	1/4	2,420.28	1/4	2,159.11	1/4	1,897.93
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,443.07	1/2	3,194.84	1/2	2,935.05	1/2	2,675.27	1/2	2,414.84	1/2	2,153.66	1/2	1,892.49
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,440.34	3/4	3,189.42	3/4	2,929.64	3/4	2,669.85	3/4	2,409.40	3/4	2,148.22	3/4	1,887.05
2		2		2		2	3,437.62	2	3,184.01	2	2,924.23	2	2,664.44	2	2,403.96	2	2,142.78	2	1,881.60
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,433.21	1/4	3,178.60	1/4	2,918.81	1/4	2,659.03	1/4	2,398.52	1/4	2,137.34	1/4	1,876.16
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,428.81	1/2	3,173.19	1/2	2,913.40	1/2	2,653.62	1/2	2,393.08	1/2	2,131.90	1/2	1,870.72
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,424.40	3/4	3,167.78	3/4	2,907.99	3/4	2,648.20	3/4	2,387.64	3/4	2,126.46	3/4	1,865.28
3		3		3		3	3,419.99	3	3,162.36	3	2,902.58	3	2,642.79	3	2,382.19	3	2,121.02	3	1,859.84
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,414.72	1/4	3,156.95	1/4	2,897.17	1/4	2,637.38	1/4	2,376.75	1/4	2,115.58	1/4	1,854.40
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,409.44	1/2	3,151.54	1/2	2,891.75	1/2	2,631.97	1/2	2,371.31	1/2	2,110.13	1/2	1,848.96
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,404.17	3/4	3,146.13	3/4	2,886.34	3/4	2,626.56	3/4	2,365.87	3/4	2,104.69	3/4	1,843.52
4		4		4		4	3,398.90	4	3,140.71	4	2,880.93	4	2,621.14	4	2,360.43	4	2,099.25	4	1,838.07
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,393.59	1/4	3,135.30	1/4	2,875.52	1/4	2,615.73	1/4	2,354.99	1/4	2,093.81	1/4	1,832.63
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,388.29	1/2	3,129.89	1/2	2,870.10	1/2	2,610.32	1/2	2,349.55	1/2	2,088.37	1/2	1,827.19
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,382.98	3/4	3,124.48	3/4	2,864.69	3/4	2,604.91	3/4	2,344.11	3/4	2,082.93	3/4	1,821.75
5		5		5		5	3,377.68	5	3,119.07	5	2,859.28	5	2,599.49	5	2,338.67	5	2,077.49	5	1,816.31
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,372.36	1/4	3,113.65	1/4	2,853.87	1/4	2,594.08	1/4	2,333.22	1/4	2,072.05	1/4	1,810.87
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,367.04	1/2	3,108.24	1/2	2,848.46	1/2	2,588.67	1/2	2,327.78	1/2	2,066.61	1/2	1,805.43
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,361.72	3/4	3,102.83	3/4	2,843.04	3/4	2,583.26	3/4	2,322.34	3/4	2,061.16	3/4	1,799.99
6		6		6		6	3,356.40	6	3,097.42	6	2,837.63	6	2,577.85	6	2,316.90	6	2,055.72	6	1,794.55
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,351.09	1/4	3,092.00	1/4	2,832.22	1/4	2,572.43	1/4	2,311.46	1/4	2,050.28	1/4	1,789.10
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,345.78	1/2	3,086.59	1/2	2,826.81	1/2	2,567.02	1/2	2,306.02	1/2	2,044.84	1/2	1,783.66
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,340.47	3/4	3,081.18	3/4	2,821.39	3/4	2,561.61	3/4	2,300.58	3/4	2,039.40	3/4	1,778.22
7		7		7		7	3,335.15	7	3,075.77	7	2,815.98	7	2,556.20	7	2,295.14	7	2,033.96	7	1,772.78
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,329.84	1/4	3,070.36	1/4	2,810.57	1/4	2,550.78	1/4	2,289.69	1/4	2,028.52	1/4	1,767.34
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,324.53	1/2	3,064.94	1/2	2,805.16	1/2	2,545.37	1/2	2,284.25	1/2	2,023.08	1/2	1,761.90
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,319.22	3/4	3,059.53	3/4	2,799.75	3/4	2,539.96	3/4	2,278.81	3/4	2,017.63	3/4	1,756.46
8		8		8		8	3,313.91	8	3,054.12	8	2,794.33	8	2,534.55	8	2,273.37	8	2,012.19	8	1,751.02
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,308.49	1/4	3,048.71	1/4	2,788.92	1/4	2,529.11	1/4	2,267.93	1/4	2,006.75	1/4	1,745.57
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,303.08	1/2	3,043.30	1/2	2,783.51	1/2	2,523.67	1/2	2,262.49	1/2	2,001.31	1/2	1,740.13
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,297.67	3/4	3,037.88	3/4	2,778.10	3/4	2,518.22	3/4	2,257.05	3/4	1,995.87	3/4	1,734.69
9		9		9		9	3,292.26	9	3,032.47	9	2,772.69	9	2,512.78	9	2,251.61	9	1,990.43	9	1,729.25
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,286.84	1/4	3,027.06	1/4	2,767.27	1/4	2,507.34	1/4	2,246.16	1/4	1,984.99	1/4	1,723.81
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,281.43	1/2	3,021.65	1/2	2,761.86	1/2	2,501.90	1/2	2,240.72	1/2	1,979.55	1/2	1,718.37
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,276.02	3/4	3,016.23	3/4	2,756.45	3/4	2,496.46	3/4	2,235.28	3/4	1,974.10	3/4	1,712.93
10		10		10		10	3,270.61	10	3,010.82	10	2,751.04	10	2,491.02	10	2,229.84	10	1,968.66	10	1,707.49
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,265.20	1/4	3,005.41	1/4	2,745.62	1/4	2,485.58	1/4	2,224.40	1/4	1,963.22	1/4	1,702.04
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,259.78	1/2	3,000.00	1/2	2,740.21	1/2	2,480.14	1/2	2,218.96	1/2	1,957.78	1/2	1,696.60
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,254.37	3/4	2,994.59	3/4	2,734.80	3/4	2,474.70	3/4	2,213.52	3/4	1,952.34	3/4	1,691.16
11		11		11		11	3,248.96	11	2,989.17	11	2,729.39	11	2,469.25	11	2,208.08	11	1,946.90	11	1,685.72
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,243.55	1/4	2,983.76	1/4	2,723.98	1/4	2,463.81	1/4	2,202.64	1/4	1,941.46	1/4	1,680.28
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,238.13	1/2	2,978.35	1/2	2,718.56	1/2	2,458.37	1/2	2,197.19	1/2	1,936.02	1/2	1,674.84
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,232.72	3/4	2,972.94	3/4	2,713.15	3/4	2,452.93	3/4	2,191.75	3/4	1,930.58	3/4	1,669.40

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

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



BARGE "KIRBY 10089"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06"

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	1,663.96	0	1,402.78	0	1,141.43	0	880.95	0	620.36	0	359.04	0	97.80	0		0			
1/4	1,658.52	1/4	1,397.33	1/4	1,135.98	1/4	875.54	1/4	614.92	1/4	353.59	1/4	92.39	1/4		1/4		1/4	
1/2	1,653.07	1/2	1,391.89	1/2	1,130.54	1/2	870.13	1/2	609.48	1/2	348.15	1/2	86.98	1/2		1/2		1/2	
3/4	1,647.63	3/4	1,386.44	3/4	1,125.09	3/4	864.73	3/4	604.03	3/4	342.71	3/4	81.57	3/4		3/4		3/4	
1	1,642.19	1	1,381.00	1	1,119.65	1	859.32	1	598.59	1	337.26	1	76.16	1		1		1	
1/4	1,636.75	1/4	1,375.55	1/4	1,114.20	1/4	853.91	1/4	593.14	1/4	331.82	1/4	70.78	1/4		1/4		1/4	
1/2	1,631.31	1/2	1,370.11	1/2	1,108.76	1/2	848.50	1/2	587.70	1/2	326.37	1/2	65.40	1/2		1/2		1/2	
3/4	1,625.87	3/4	1,364.67	3/4	1,103.31	3/4	843.09	3/4	582.26	3/4	320.93	3/4	60.02	3/4		3/4		3/4	
2	1,620.43	2	1,359.22	2	1,097.87	2	837.68	2	576.81	2	315.48	2	54.64	2		2		2	
1/4	1,614.99	1/4	1,353.78	1/4	1,092.43	1/4	832.28	1/4	571.37	1/4	310.04	1/4	49.30	1/4		1/4		1/4	
1/2	1,609.54	1/2	1,348.33	1/2	1,086.98	1/2	826.87	1/2	565.92	1/2	304.60	1/2	43.97	1/2		1/2		1/2	
3/4	1,604.10	3/4	1,342.89	3/4	1,081.54	3/4	821.46	3/4	560.48	3/4	299.15	3/4	38.64	3/4		3/4		3/4	
3	1,598.66	3	1,337.44	3	1,076.09	3	816.05	3	555.03	3	293.71	3	33.31	3		3		3	
1/4	1,593.22	1/4	1,332.00	1/4	1,070.65	1/4	810.65	1/4	549.59	1/4	288.26	1/4	28.78	1/4		1/4		1/4	
1/2	1,587.78	1/2	1,326.55	1/2	1,065.20	1/2	805.24	1/2	544.14	1/2	282.82	1/2	24.25	1/2		1/2		1/2	
3/4	1,582.34	3/4	1,321.11	3/4	1,059.76	3/4	799.84	3/4	538.70	3/4	277.37	3/4	19.72	3/4		3/4		3/4	
4	1,576.90	4	1,315.66	4	1,054.31	4	794.44	4	533.26	4	271.93	4	15.19	4		4		4	
1/4	1,571.46	1/4	1,310.22	1/4	1,048.87	1/4	789.00	1/4	527.81	1/4	266.49	1/4	12.47	1/4		1/4		1/4	
1/2	1,566.01	1/2	1,304.77	1/2	1,043.42	1/2	783.56	1/2	522.37	1/2	261.04	1/2	9.75	1/2		1/2		1/2	
3/4	1,560.57	3/4	1,299.33	3/4	1,037.98	3/4	778.12	3/4	516.92	3/4	255.60	3/4	7.03	3/4		3/4		3/4	
5	1,555.13	5	1,293.88	5	1,032.53	5	772.68	5	511.48	5	250.15	5	4.30	5		5		5	
1/4	1,549.69	1/4	1,288.44	1/4	1,027.09	1/4	767.24	1/4	506.03	1/4	244.71	1/4	3.40	1/4		1/4		1/4	
1/2	1,544.25	1/2	1,282.99	1/2	1,021.64	1/2	761.80	1/2	500.59	1/2	239.26	1/2	2.49	1/2		1/2		1/2	
3/4	1,538.81	3/4	1,277.55	3/4	1,016.20	3/4	756.36	3/4	495.15	3/4	233.82	3/4	1.58	3/4		3/4		3/4	
6	1,533.37	6	1,272.10	6	1,010.75	6	750.92	6	489.70	6	228.38	6	0.68	6		6		6	
1/4	1,527.93	1/4	1,266.66	1/4	1,005.34	1/4	745.48	1/4	484.26	1/4	222.93	1/4		1/4		1/4		1/4	
1/2	1,522.49	1/2	1,261.21	1/2	999.94	1/2	740.04	1/2	478.81	1/2	217.49	1/2		1/2		1/2		1/2	
3/4	1,517.04	3/4	1,255.77	3/4	994.53	3/4	734.60	3/4	473.37	3/4	212.04	3/4		3/4		3/4		3/4	
7	1,511.60	7	1,250.32	7	989.12	7	729.17	7	467.92	7	206.60	7		7		7		7	
1/4	1,506.16	1/4	1,244.88	1/4	983.71	1/4	723.73	1/4	462.48	1/4	201.15	1/4		1/4		1/4		1/4	
1/2	1,500.72	1/2	1,239.43	1/2	978.30	1/2	718.29	1/2	457.04	1/2	195.71	1/2		1/2		1/2		1/2	
3/4	1,495.28	3/4	1,233.99	3/4	972.89	3/4	712.85	3/4	451.59	3/4	190.27	3/4		3/4		3/4		3/4	
8	1,489.84	8	1,228.55	8	967.49	8	707.41	8	446.15	8	184.82	8		8		8		8	
1/4	1,484.40	1/4	1,223.10	1/4	962.08	1/4	701.97	1/4	440.70	1/4	179.38	1/4		1/4		1/4		1/4	
1/2	1,478.96	1/2	1,217.66	1/2	956.67	1/2	696.53	1/2	435.26	1/2	173.93	1/2		1/2		1/2		1/2	
3/4	1,473.51	3/4	1,212.21	3/4	951.26	3/4	691.09	3/4	429.81	3/4	168.49	3/4		3/4		3/4		3/4	
9	1,468.07	9	1,206.77	9	945.85	9	685.65	9	424.37	9	163.04	9		9		9		9	
1/4	1,462.63	1/4	1,201.32	1/4	940.44	1/4	680.21	1/4	418.93	1/4	157.60	1/4		1/4		1/4		1/4	
1/2	1,457.19	1/2	1,195.88	1/2	935.04	1/2	674.77	1/2	413.48	1/2	152.16	1/2		1/2		1/2		1/2	
3/4	1,451.75	3/4	1,190.43	3/4	929.63	3/4	669.33	3/4	408.04	3/4	146.71	3/4		3/4		3/4		3/4	
10	1,446.31	10	1,184.99	10	924.22	10	663.89	10	402.59	10	141.27	10		10		10		10	
1/4	1,440.87	1/4	1,179.54	1/4	918.81	1/4	658.46	1/4	397.15	1/4	135.83	1/4		1/4		1/4		1/4	
1/2	1,435.43	1/2	1,174.10	1/2	913.40	1/2	653.02	1/2	391.70	1/2	130.39	1/2		1/2		1/2		1/2	
3/4	1,429.98	3/4	1,168.65	3/4	907.99	3/4	647.58	3/4	386.26	3/4	124.95	3/4		3/4		3/4		3/4	
11	1,424.54	11	1,163.21	11	902.59	11	642.14	11	380.82	11	119.51	11		11		11		11	
1/4	1,419.10	1/4	1,157.76	1/4	897.18	1/4	636.70	1/4	375.37	1/4	114.09	1/4		1/4		1/4		1/4	
1/2	1,413.66	1/2	1,152.32	1/2	891.77	1/2	631.25	1/2	369.93	1/2	108.66	1/2		1/2		1/2		1/2	
3/4	1,408.22	3/4	1,146.87	3/4	886.36	3/4	625.81	3/4	364.48	3/4	103.23	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/30/2013 SW
CALCULATED: 12/31/2013 CL
VERIFIED: 01/25/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2024

PRECISION MEASUREMENT
& ANALYSIS, INC.
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