



BARGE "KIRBY 10249"

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	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-0/8	- 01-0/8
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 - 00-3/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED ULLAGE IS 3'-11 5/8"

LENGTH BETWEEN DRAFT MARKS: 163'-06"

June 30, 2023

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

<http://www.pmacorp.net>



BARGE "KIRBY 10249"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0		0	3,548.87	0	3,295.97	0	3,043.07	0	2,783.60	0	2,487.99	0	2,191.70
1/4		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
1/2		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
3/4		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
1		1		1		1	3,527.34	1	3,272.80	1	3,274.90	1	3,021.99	1	2,758.99	1	2,463.30	1	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
2		2		2		2	3,751.01	2	3,506.72	2	3,253.82	2	3,000.92	2	2,734.37	2	2,438.61	2	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
3		3		3		3	3,735.47	3	3,485.65	3	3,232.74	3	2,979.84	3	2,709.75	3	2,413.92	3	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
4		4		4		4	3,715.91	4	3,464.57	4	3,211.67	4	2,958.77	4	2,685.13	4	2,389.23	4	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
5		5		5		5	3,695.27	5	3,443.50	5	3,190.59	5	2,937.69	5	2,660.52	5	2,364.54	5	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
6		6		6		6	3,674.55	6	3,422.42	6	3,169.52	6	2,916.62	6	2,635.90	6	2,339.85	6	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
7		7		7		7	3,653.81	7	3,401.35	7	3,148.44	7	2,895.54	7	2,611.28	7	2,315.16	7	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
8		8		8		8	3,633.09	8	3,380.27	8	3,127.37	8	2,874.47	8	2,586.67	8	2,290.46	8	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
9		9		9		9	3,612.10	9	3,359.20	9	3,106.29	9	2,853.32	9	2,562.05	9	2,265.77	9	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
10		10		10		10	3,591.02	10	3,338.12	10	3,085.22	10	2,832.14	10	2,537.38	10	2,241.08	10	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
11		11		11		11	3,569.95	11	3,317.05	11	3,064.14	11	2,808.26	11	2,512.68	11	2,216.39	11	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

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'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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BARGE "KIRBY 10249"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	1,889.23	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	
1/2	1,883.06	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	
3/4	1,876.89	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	
1	1,870.71	1	1,574.16	1	1,277.45	1	980.74	1	690.11	1	393.22	1	96.39	1		1		1		1	
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	
2	1,846.02	2	1,549.43	2	1,252.72	2	956.21	2	665.38	2	368.47	2	71.86	2		2		2		2	
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	
3	1,821.33	3	1,524.71	3	1,228.00	3	931.92	3	640.64	3	343.73	3	47.52	3		3		3		3	
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	
4	1,796.61	4	1,499.98	4	1,203.27	4	907.70	4	615.90	4	318.99	4	25.99	4		4		4		4	
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	
5	1,771.89	5	1,475.25	5	1,178.55	5	883.53	5	591.16	5	294.24	5	11.54	5		5		5		5	
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	
6	1,747.17	6	1,450.53	6	1,153.82	6	859.42	6	566.42	6	269.50	6	5.34	6		6		6		6	
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	
7	1,722.44	7	1,425.80	7	1,129.10	7	835.33	7	541.67	7	244.76	7		7		7		7		7	
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	
8	1,697.73	8	1,401.08	8	1,104.37	8	811.24	8	516.93	8	220.02	8		8		8		8		8	
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	
9	1,673.02	9	1,376.35	9	1,079.65	9	787.15	9	492.19	9	195.27	9		9		9		9		9	
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	
10	1,648.31	10	1,351.63	10	1,054.92	10	763.06	10	467.44	10	170.53	10		10		10		10		10	
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	
11	1,623.59	11	1,326.90	11	1,030.19	11	738.98	11	442.70	11	145.77	11		11		11		11		11	
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	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/06/2013 SW
CALCULATED: 06/06/2013 CL
VERIFIED: 06/30/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2023

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



BARGE "KIRBY 10249"

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	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
									3,259.46		2,997.62		2,735.77		2,473.52		2,210.27		1,947.02		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,254.01	1/4	2,992.16	1/4	2,730.32	1/4	2,468.03	1/4	2,204.79	1/4	1,941.54		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,475.17	1/2	3,248.55	1/2	2,986.71	1/2	2,724.86	1/2	2,462.55	1/2	2,199.30	1/2	1,936.06
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,474.26	3/4	3,243.10	3/4	2,981.25	3/4	2,719.41	3/4	2,457.06	3/4	2,193.82	3/4	1,930.57
1	1	1	1	1	1	1	1	1	3,473.35	1	3,237.64	1	2,975.80	1	2,713.95	1	2,451.58	1	2,188.33	1	1,925.09
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,472.43	1/4	3,232.18	1/4	2,970.34	1/4	2,708.50	1/4	2,446.10	1/4	2,182.85	1/4	1,919.60
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,471.52	1/2	3,226.73	1/2	2,964.88	1/2	2,703.04	1/2	2,440.61	1/2	2,177.36	1/2	1,914.12
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,468.77	3/4	3,221.27	3/4	2,959.43	3/4	2,697.59	3/4	2,435.13	3/4	2,171.88	3/4	1,908.63
2	2	2	2	2	2	2	2	2	3,466.03	2	3,215.82	2	2,953.97	2	2,692.13	2	2,429.64	2	2,166.40	2	1,903.15
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,463.28	1/4	3,210.36	1/4	2,948.52	1/4	2,686.67	1/4	2,424.16	1/4	2,160.91	1/4	1,897.67
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,460.54	1/2	3,204.91	1/2	2,943.06	1/2	2,681.22	1/2	2,418.67	1/2	2,155.43	1/2	1,892.18
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,456.10	3/4	3,199.45	3/4	2,937.61	3/4	2,675.76	3/4	2,413.19	3/4	2,149.94	3/4	1,886.70
3	3	3	3	3	3	3	3	3	3,451.65	3	3,194.00	3	2,932.15	3	2,670.31	3	2,407.71	3	2,144.46	3	1,881.21
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,447.21	1/4	3,188.54	1/4	2,926.70	1/4	2,664.85	1/4	2,402.22	1/4	2,138.97	1/4	1,875.73
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,442.77	1/2	3,183.09	1/2	2,921.24	1/2	2,659.40	1/2	2,396.74	1/2	2,133.49	1/2	1,870.24
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,437.45	3/4	3,177.63	3/4	2,915.79	3/4	2,653.94	3/4	2,391.25	3/4	2,128.01	3/4	1,864.76
4	4	4	4	4	4	4	4	4	3,432.14	4	3,172.18	4	2,910.33	4	2,648.49	4	2,385.77	4	2,122.52	4	1,859.28
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,426.82	1/4	3,166.72	1/4	2,904.88	1/4	2,643.03	1/4	2,380.28	1/4	2,117.04	1/4	1,853.79
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,421.50	1/2	3,161.27	1/2	2,899.42	1/2	2,637.58	1/2	2,374.80	1/2	2,111.55	1/2	1,848.31
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,416.16	3/4	3,155.81	3/4	2,893.97	3/4	2,632.12	3/4	2,369.32	3/4	2,106.07	3/4	1,842.82
5	5	5	5	5	5	5	5	5	3,410.81	5	3,150.36	5	2,888.51	5	2,626.67	5	2,363.83	5	2,100.58	5	1,837.34
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,405.46	1/4	3,144.90	1/4	2,883.06	1/4	2,621.21	1/4	2,358.35	1/4	2,095.10	1/4	1,831.85
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,400.12	1/2	3,139.45	1/2	2,877.60	1/2	2,615.76	1/2	2,352.86	1/2	2,089.62	1/2	1,826.37
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,394.76	3/4	3,133.99	3/4	2,872.15	3/4	2,610.30	3/4	2,347.38	3/4	2,084.13	3/4	1,820.89
6	6	6	6	6	6	6	6	6	3,389.40	6	3,128.54	6	2,866.69	6	2,604.85	6	2,341.89	6	2,078.65	6	1,815.40
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,384.04	1/4	3,123.08	1/4	2,861.24	1/4	2,599.39	1/4	2,336.41	1/4	2,073.16	1/4	1,809.92
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,378.68	1/2	3,117.63	1/2	2,855.78	1/2	2,593.94	1/2	2,330.93	1/2	2,067.68	1/2	1,804.43
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,373.32	3/4	3,112.17	3/4	2,850.33	3/4	2,588.48	3/4	2,325.44	3/4	2,062.19	3/4	1,798.95
7	7	7	7	7	7	7	7	7	3,367.97	7	3,106.72	7	2,844.87	7	2,583.03	7	2,319.96	7	2,056.71	7	1,793.46
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,362.61	1/4	3,101.26	1/4	2,839.42	1/4	2,577.57	1/4	2,314.47	1/4	2,051.23	1/4	1,787.98
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,357.26	1/2	3,095.81	1/2	2,833.96	1/2	2,572.12	1/2	2,308.99	1/2	2,045.74	1/2	1,782.50
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,351.90	3/4	3,090.35	3/4	2,828.51	3/4	2,566.66	3/4	2,303.50	3/4	2,040.26	3/4	1,777.01
8	8	8	8	8	8	8	8	8	3,346.54	8	3,084.90	8	2,823.05	8	2,561.21	8	2,298.02	8	2,034.77	8	1,771.53
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,341.19	1/4	3,079.44	1/4	2,817.60	1/4	2,555.75	1/4	2,292.54	1/4	2,029.29	1/4	1,766.04
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,335.83	1/2	3,073.99	1/2	2,812.14	1/2	2,550.30	1/2	2,287.05	1/2	2,023.80	1/2	1,760.56
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,330.38	3/4	3,068.53	3/4	2,806.69	3/4	2,544.81	3/4	2,281.57	3/4	2,018.32	3/4	1,755.07
9	9	9	9	9	9	9	9	9	3,324.92	9	3,063.08	9	2,801.23	9	2,539.33	9	2,276.08	9	2,012.84	9	1,749.59
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,319.47	1/4	3,057.62	1/4	2,795.78	1/4	2,533.84	1/4	2,270.60	1/4	2,007.35	1/4	1,744.11
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,314.01	1/2	3,052.17	1/2	2,790.32	1/2	2,528.36	1/2	2,265.11	1/2	2,001.87	1/2	1,738.62
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,308.56	3/4	3,046.71	3/4	2,784.87	3/4	2,522.88	3/4	2,259.63	3/4	1,996.38	3/4	1,733.14
10	10	10	10	10	10	10	10	10	3,303.10	10	3,041.26	10	2,779.41	10	2,517.39	10	2,254.15	10	1,990.90	10	1,727.65
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,297.65	1/4	3,035.80	1/4	2,773.96	1/4	2,511.91	1/4	2,248.66	1/4	1,985.41	1/4	1,722.17
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,292.19	1/2	3,030.35	1/2	2,768.50	1/2	2,506.42	1/2	2,243.18	1/2	1,979.93	1/2	1,716.68
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,286.74	3/4	3,024.89	3/4	2,763.05	3/4	2,500.94	3/4	2,237.69	3/4	1,974.45	3/4	1,711.20
11	11	11	11	11	11	11	11	11	3,281.28	11	3,019.44	11	2,757.59	11	2,495.45	11	2,232.21	11	1,968.96	11	1,705.72
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,275.83	1/4	3,013.98	1/4	2,752.14	1/4	2,489.97	1/4	2,226.72	1/4	1,963.48	1/4	1,700.23
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,270.37	1/2	3,008.53	1/2	2,746.68	1/2	2,484.49	1/2	2,221.24	1/2	1,957.99	1/2	1,694.75
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,264.92	3/4	3,003.07	3/4	2,741.23	3/4	2,479.00	3/4	2,215.76	3/4	1,952.51	3/4	1,689.26

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 10249"

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	1,683.78	0	1,420.53	0	1,157.12	0	895.41	0	636.16	0	372.85	0	109.51	0		0		0	
1/4	1,678.29	1/4	1,415.05	1/4	1,151.64	1/4	890.00	1/4	630.71	1/4	367.36	1/4	104.04	1/4	1/4	1/4		1/4	1/4
1/2	1,672.81	1/2	1,409.56	1/2	1,146.15	1/2	884.60	1/2	625.27	1/2	361.88	1/2	98.57	1/2	1/2	1/2		1/2	1/2
3/4	1,667.33	3/4	1,404.08	3/4	1,140.66	3/4	879.20	3/4	619.78	3/4	356.39	3/4	93.12	3/4	3/4	3/4		3/4	3/4
1	1,661.84	1	1,398.59	1	1,135.17	1	873.79	1	614.29	1	350.90	1	87.67	1	1	1		1	1
1/4	1,656.36	1/4	1,393.10	1/4	1,129.69	1/4	868.39	1/4	608.81	1/4	345.41	1/4	82.21	1/4	1/4	1/4		1/4	1/4
1/2	1,650.87	1/2	1,387.61	1/2	1,124.20	1/2	862.99	1/2	603.32	1/2	339.93	1/2	76.76	1/2	1/2	1/2		1/2	1/2
3/4	1,645.39	3/4	1,382.12	3/4	1,118.71	3/4	857.58	3/4	597.83	3/4	334.44	3/4	71.34	3/4	3/4	3/4		3/4	3/4
2	1,639.90	2	1,376.64	2	1,113.22	2	852.18	2	592.35	2	328.95	2	65.91	2	2	2		2	2
1/4	1,634.42	1/4	1,371.15	1/4	1,107.73	1/4	846.78	1/4	586.86	1/4	323.46	1/4	60.49	1/4	1/4	1/4		1/4	1/4
1/2	1,628.93	1/2	1,365.66	1/2	1,102.25	1/2	841.38	1/2	581.37	1/2	317.98	1/2	55.06	1/2	1/2	1/2		1/2	1/2
3/4	1,623.45	3/4	1,360.17	3/4	1,096.76	3/4	835.97	3/4	575.88	3/4	312.49	3/4	49.69	3/4	3/4	3/4		3/4	3/4
3	1,617.97	3	1,354.68	3	1,091.27	3	830.57	3	570.40	3	307.00	3	44.32	3	3	3		3	3
1/4	1,612.48	1/4	1,349.20	1/4	1,085.78	1/4	825.17	1/4	564.91	1/4	301.51	1/4	38.94	1/4	1/4	1/4		1/4	1/4
1/2	1,607.00	1/2	1,343.71	1/2	1,080.29	1/2	819.76	1/2	559.42	1/2	296.03	1/2	33.57	1/2	1/2	1/2		1/2	1/2
3/4	1,601.51	3/4	1,338.22	3/4	1,074.81	3/4	814.37	3/4	553.93	3/4	290.54	3/4	29.00	3/4	3/4	3/4		3/4	3/4
4	1,596.03	4	1,332.73	4	1,069.32	4	808.97	4	548.45	4	285.05	4	24.44	4	4	4		4	4
1/4	1,590.54	1/4	1,327.25	1/4	1,063.83	1/4	803.57	1/4	542.96	1/4	279.56	1/4	19.87	1/4	1/4	1/4		1/4	1/4
1/2	1,585.06	1/2	1,321.76	1/2	1,058.34	1/2	798.17	1/2	537.47	1/2	274.08	1/2	15.31	1/2	1/2	1/2		1/2	1/2
3/4	1,579.58	3/4	1,316.27	3/4	1,052.86	3/4	792.78	3/4	531.99	3/4	268.59	3/4	12.57	3/4	3/4	3/4		3/4	3/4
5	1,574.09	5	1,310.78	5	1,047.37	5	787.38	5	526.50	5	263.10	5	9.82	5	5	5		5	5
1/4	1,568.61	1/4	1,305.29	1/4	1,041.88	1/4	781.98	1/4	521.01	1/4	257.62	1/4	7.08	1/4	1/4	1/4		1/4	1/4
1/2	1,563.12	1/2	1,299.81	1/2	1,036.39	1/2	776.58	1/2	515.52	1/2	252.13	1/2	4.34	1/2	1/2	1/2		1/2	1/2
3/4	1,557.64	3/4	1,294.32	3/4	1,030.90	3/4	771.18	3/4	510.04	3/4	246.64	3/4	3.42	3/4	3/4	3/4		3/4	3/4
6	1,552.15	6	1,288.83	6	1,025.42	6	765.79	6	504.55	6	241.15	6	2.51	6	6	6		6	6
1/4	1,546.67	1/4	1,283.34	1/4	1,019.93	1/4	760.39	1/4	499.06	1/4	235.67	1/4	1.59	1/4	1/4	1/4		1/4	1/4
1/2	1,541.19	1/2	1,277.86	1/2	1,014.44	1/2	754.99	1/2	493.57	1/2	230.18	1/2	0.68	1/2	1/2	1/2		1/2	1/2
3/4	1,535.70	3/4	1,272.37	3/4	1,009.00	3/4	749.59	3/4	488.09	3/4	224.69	3/4		3/4	3/4	3/4		3/4	3/4
7	1,530.22	7	1,266.88	7	1,003.55	7	744.20	7	482.60	7	219.20	7		7	7	7		7	7
1/4	1,524.73	1/4	1,261.39	1/4	998.10	1/4	738.80	1/4	477.11	1/4	213.72	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,519.25	1/2	1,255.90	1/2	992.66	1/2	733.40	1/2	471.62	1/2	208.23	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,513.76	3/4	1,250.42	3/4	987.26	3/4	728.00	3/4	466.14	3/4	202.74	3/4		3/4	3/4	3/4		3/4	3/4
8	1,508.28	8	1,244.93	8	981.85	8	722.61	8	460.65	8	197.25	8		8	8	8		8	8
1/4	1,502.80	1/4	1,239.44	1/4	976.45	1/4	717.21	1/4	455.16	1/4	191.77	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,497.31	1/2	1,233.95	1/2	971.05	1/2	711.81	1/2	449.67	1/2	186.28	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,491.83	3/4	1,228.47	3/4	965.64	3/4	706.41	3/4	444.19	3/4	180.79	3/4		3/4	3/4	3/4		3/4	3/4
9	1,486.34	9	1,222.98	9	960.24	9	701.02	9	438.70	9	175.30	9		9	9	9		9	9
1/4	1,480.86	1/4	1,217.49	1/4	954.84	1/4	695.62	1/4	433.21	1/4	169.82	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,475.37	1/2	1,212.00	1/2	949.44	1/2	690.22	1/2	427.72	1/2	164.33	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,469.89	3/4	1,206.51	3/4	944.03	3/4	684.82	3/4	422.24	3/4	158.84	3/4		3/4	3/4	3/4		3/4	3/4
10	1,464.41	10	1,201.03	10	938.63	10	679.43	10	416.75	10	153.36	10		10	10	10		10	10
1/4	1,458.92	1/4	1,195.54	1/4	933.23	1/4	674.03	1/4	411.26	1/4	147.87	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,453.44	1/2	1,190.05	1/2	927.82	1/2	668.63	1/2	405.77	1/2	142.38	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,447.95	3/4	1,184.56	3/4	922.42	3/4	663.23	3/4	400.29	3/4	136.90	3/4		3/4	3/4	3/4		3/4	3/4
11	1,442.47	11	1,179.08	11	917.02	11	657.84	11	394.80	11	131.42	11		11	11	11		11	11
1/4	1,436.98	1/4	1,173.59	1/4	911.61	1/4	652.44	1/4	389.31	1/4	125.94	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,431.50	1/2	1,168.10	1/2	906.21	1/2	647.04	1/2	383.83	1/2	120.46	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,426.02	3/4	1,162.61	3/4	900.81	3/4	641.60	3/4	378.34	3/4	114.98	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/06/2013 SW
CALCULATED: 06/06/2013 CL
VERIFIED: 06/30/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2023

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



BARGE "KIRBY 10249"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0		0	3,238.39	0	2,978.15	0	2,717.92	0	2,457.24	0	2,195.60	0	1,933.97
1/4		1/4		1/4		1/4	3,458.20	1/4	3,232.97	1/4	2,972.73	1/4	2,712.50	1/4	2,451.79	1/4	2,190.15	1/4	1,928.51
1/2		1/2		1/2		1/2	3,457.29	1/2	3,227.55	1/2	2,967.31	1/2	2,707.07	1/2	2,446.34	1/2	2,184.70	1/2	1,923.06
3/4		3/4		3/4		3/4	3,456.38	3/4	3,222.13	3/4	2,961.89	3/4	2,701.65	3/4	2,440.89	3/4	2,179.25	3/4	1,917.61
1		1		1		1	3,455.47	1	3,216.70	1	2,956.47	1	2,696.23	1	2,435.44	1	2,173.80	1	1,912.16
1/4		1/4		1/4		1/4	3,454.56	1/4	3,211.28	1/4	2,951.05	1/4	2,690.81	1/4	2,429.99	1/4	2,168.35	1/4	1,906.71
1/2		1/2		1/2		1/2	3,451.83	1/2	3,205.86	1/2	2,945.62	1/2	2,685.39	1/2	2,424.54	1/2	2,162.90	1/2	1,901.26
3/4		3/4		3/4		3/4	3,449.11	3/4	3,200.44	3/4	2,940.20	3/4	2,679.97	3/4	2,419.09	3/4	2,157.45	3/4	1,895.81
2		2		2		2	3,446.38	2	3,173.02	2	2,934.78	2	2,674.54	2	2,413.64	2	2,152.00	2	1,890.36
1/4		1/4		1/4		1/4	3,443.65	1/4	3,189.60	1/4	2,929.36	1/4	2,669.12	1/4	2,408.19	1/4	2,146.55	1/4	1,884.91
1/2		1/2		1/2		1/2	3,439.24	1/2	3,184.17	1/2	2,923.94	1/2	2,663.70	1/2	2,402.73	1/2	2,141.10	1/2	1,879.46
3/4		3/4		3/4		3/4	3,434.82	3/4	3,178.75	3/4	2,918.52	3/4	2,658.28	3/4	2,397.28	3/4	2,135.65	3/4	1,874.01
3		3		3		3	3,430.41	3	3,173.33	3	2,913.09	3	2,652.86	3	2,391.83	3	2,130.19	3	1,868.56
1/4		1/4		1/4		1/4	3,425.99	1/4	3,167.91	1/4	2,907.67	1/4	2,647.44	1/4	2,386.38	1/4	2,124.74	1/4	1,863.11
1/2		1/2		1/2		1/2	3,420.71	1/2	3,162.49	1/2	2,902.25	1/2	2,642.01	1/2	2,380.93	1/2	2,119.29	1/2	1,857.65
3/4		3/4		3/4		3/4	3,415.43	3/4	3,157.07	3/4	2,896.83	3/4	2,636.59	3/4	2,375.48	3/4	2,113.84	3/4	1,852.20
4		4		4		4	3,410.14	4	3,151.65	4	2,891.41	4	2,631.17	4	2,370.03	4	2,108.39	4	1,846.75
1/4		1/4		1/4		1/4	3,404.86	1/4	3,146.22	1/4	2,885.99	1/4	2,625.75	1/4	2,364.58	1/4	2,102.94	1/4	1,841.30
1/2		1/2		1/2		1/2	3,399.55	1/2	3,140.80	1/2	2,880.57	1/2	2,620.33	1/2	2,359.13	1/2	2,097.49	1/2	1,835.85
3/4		3/4		3/4		3/4	3,394.23	3/4	3,135.38	3/4	2,875.14	3/4	2,614.91	3/4	2,353.68	3/4	2,092.04	3/4	1,830.40
5		5		5		5	3,388.92	5	3,129.96	5	2,869.72	5	2,609.49	5	2,348.23	5	2,086.59	5	1,824.95
1/4		1/4		1/4		1/4	3,383.61	1/4	3,124.54	1/4	2,864.30	1/4	2,604.06	1/4	2,342.78	1/4	2,081.14	1/4	1,819.50
1/2		1/2		1/2		1/2	3,378.28	1/2	3,119.12	1/2	2,858.88	1/2	2,598.64	1/2	2,337.32	1/2	2,075.69	1/2	1,814.05
3/4		3/4		3/4		3/4	3,372.95	3/4	3,113.69	3/4	2,853.46	3/4	2,593.22	3/4	2,331.87	3/4	2,070.24	3/4	1,808.60
6		6		6		6	3,367.62	6	3,108.27	6	2,848.04	6	2,587.80	6	2,326.42	6	2,064.78	6	1,803.15
1/4		1/4		1/4		1/4	3,362.29	1/4	3,102.85	1/4	2,842.61	1/4	2,582.38	1/4	2,320.97	1/4	2,059.33	1/4	1,797.70
1/2		1/2		1/2		1/2	3,356.97	1/2	3,097.43	1/2	2,837.19	1/2	2,576.96	1/2	2,315.52	1/2	2,053.88	1/2	1,792.24
3/4		3/4		3/4		3/4	3,351.65	3/4	3,092.01	3/4	2,831.77	3/4	2,571.53	3/4	2,310.07	3/4	2,048.43	3/4	1,786.79
7		7		7		7	3,346.33	7	3,086.59	7	2,826.35	7	2,566.11	7	2,304.62	7	2,042.98	7	1,781.34
1/4		1/4		1/4		1/4	3,341.00	1/4	3,081.16	1/4	2,820.93	1/4	2,560.69	1/4	2,299.17	1/4	2,037.53	1/4	1,775.89
1/2		1/2		1/2		1/2	3,335.68	1/2	3,075.74	1/2	2,815.51	1/2	2,555.27	1/2	2,293.72	1/2	2,032.08	1/2	1,770.44
3/4		3/4		3/4		3/4	3,330.36	3/4	3,070.32	3/4	2,810.08	3/4	2,549.85	3/4	2,288.27	3/4	2,026.63	3/4	1,764.99
8		8		8		8	3,325.04	8	3,064.90	8	2,804.66	8	2,544.43	8	2,282.82	8	2,021.18	8	1,759.54
1/4		1/4		1/4		1/4	3,319.71	1/4	3,059.48	1/4	2,799.24	1/4	2,539.00	1/4	2,277.37	1/4	2,015.73	1/4	1,754.09
1/2		1/2		1/2		1/2	3,314.29	1/2	3,054.06	1/2	2,793.82	1/2	2,533.55	1/2	2,271.92	1/2	2,010.28	1/2	1,748.64
3/4		3/4		3/4		3/4	3,308.87	3/4	3,048.63	3/4	2,788.40	3/4	2,528.10	3/4	2,266.46	3/4	2,004.83	3/4	1,743.19
9		9		9		9	3,303.45	9	3,043.21	9	2,782.98	9	2,522.65	9	2,261.01	9	1,999.38	9	1,737.74
1/4		1/4		1/4		1/4	3,298.03	1/4	3,037.79	1/4	2,777.55	1/4	2,517.20	1/4	2,255.56	1/4	1,993.92	1/4	1,732.29
1/2		1/2		1/2		1/2	3,292.61	1/2	3,032.37	1/2	2,772.13	1/2	2,511.75	1/2	2,250.11	1/2	1,988.47	1/2	1,726.84
3/4		3/4		3/4		3/4	3,287.19	3/4	3,026.95	3/4	2,766.71	3/4	2,506.30	3/4	2,244.66	3/4	1,983.02	3/4	1,721.38
10		10		10		10	3,281.76	10	3,021.53	10	2,761.29	10	2,500.85	10	2,239.21	10	1,977.57	10	1,715.93
1/4		1/4		1/4		1/4	3,276.34	1/4	3,016.11	1/4	2,755.87	1/4	2,495.40	1/4	2,233.76	1/4	1,972.12	1/4	1,710.48
1/2		1/2		1/2		1/2	3,270.92	1/2	3,010.68	1/2	2,750.45	1/2	2,489.95	1/2	2,228.31	1/2	1,966.67	1/2	1,705.03
3/4		3/4		3/4		3/4	3,265.50	3/4	3,005.26	3/4	2,745.03	3/4	2,484.50	3/4	2,222.86	3/4	1,961.22	3/4	1,699.58
11		11		11		11	3,260.08	11	2,999.84	11	2,739.60	11	2,479.05	11	2,217.41	11	1,955.77	11	1,694.13
1/4		1/4		1/4		1/4	3,254.66	1/4	2,994.42	1/4	2,734.18	1/4	2,473.59	1/4	2,211.96	1/4	1,950.32	1/4	1,688.68
1/2		1/2		1/2		1/2	3,249.23	1/2	2,989.00	1/2	2,728.76	1/2	2,468.14	1/2	2,206.51	1/2	1,944.87	1/2	1,683.23
3/4		3/4		3/4		3/4	3,243.81	3/4	2,983.58	3/4	2,723.34	3/4	2,462.69	3/4	2,201.05	3/4	1,939.42	3/4	1,677.78

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 10249"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,672.33	0	1,410.69	0	1,148.89	0	887.92	0	626.91	0	365.13	0	103.41	0		0		0	
1/4	1,666.88	1/4	1,405.24	1/4	1,143.43	1/4	882.50	1/4	621.46	1/4	359.67	1/4	97.98	1/4	1/4	1/4		1/4	
1/2	1,661.43	1/2	1,399.78	1/2	1,137.98	1/2	877.08	1/2	616.00	1/2	354.22	1/2	92.56	1/2	1/2	1/2		1/2	
3/4	1,655.97	3/4	1,394.33	3/4	1,132.52	3/4	871.66	3/4	610.55	3/4	348.76	3/4	87.14	3/4	3/4	3/4		3/4	
1	1,650.52	1	1,388.87	1	1,127.07	1	866.24	1	605.10	1	343.31	1	81.72	1	1	1		1	
1/4	1,645.07	1/4	1,383.42	1/4	1,121.61	1/4	860.83	1/4	599.64	1/4	337.86	1/4	76.30	1/4	1/4	1/4		1/4	
1/2	1,639.62	1/2	1,377.97	1/2	1,116.16	1/2	855.41	1/2	594.19	1/2	332.40	1/2	70.91	1/2	1/2	1/2		1/2	
3/4	1,634.17	3/4	1,372.51	3/4	1,110.71	3/4	849.99	3/4	588.74	3/4	326.95	3/4	65.52	3/4	3/4	3/4		3/4	
2	1,628.72	2	1,367.06	2	1,105.25	2	844.57	2	583.28	2	321.49	2	60.12	2	2	2		2	
1/4	1,623.27	1/4	1,361.60	1/4	1,099.80	1/4	839.16	1/4	577.83	1/4	316.04	1/4	54.73	1/4	1/4	1/4		1/4	
1/2	1,617.82	1/2	1,356.15	1/2	1,094.34	1/2	833.74	1/2	572.37	1/2	310.59	1/2	49.39	1/2	1/2	1/2		1/2	
3/4	1,612.37	3/4	1,350.69	3/4	1,088.89	3/4	828.32	3/4	566.92	3/4	305.13	3/4	44.05	3/4	3/4	3/4		3/4	
3	1,606.92	3	1,345.24	3	1,083.43	3	822.90	3	561.47	3	299.68	3	38.71	3	3	3		3	
1/4	1,601.47	1/4	1,339.79	1/4	1,077.98	1/4	817.48	1/4	556.01	1/4	294.23	1/4	33.37	1/4	1/4	1/4		1/4	
1/2	1,596.02	1/2	1,334.33	1/2	1,072.53	1/2	812.07	1/2	550.56	1/2	288.77	1/2	28.83	1/2	1/2	1/2		1/2	
3/4	1,590.57	3/4	1,328.88	3/4	1,067.07	3/4	806.66	3/4	545.10	3/4	283.32	3/4	24.29	3/4	3/4	3/4		3/4	
4	1,585.11	4	1,323.42	4	1,061.62	4	801.25	4	539.65	4	277.86	4	19.76	4	4	4		4	
1/4	1,579.66	1/4	1,317.97	1/4	1,056.16	1/4	795.83	1/4	534.20	1/4	272.41	1/4	15.22	1/4	1/4	1/4		1/4	
1/2	1,574.21	1/2	1,312.51	1/2	1,050.71	1/2	790.38	1/2	528.74	1/2	266.96	1/2	12.49	1/2	1/2	1/2		1/2	
3/4	1,568.76	3/4	1,307.06	3/4	1,045.25	3/4	784.94	3/4	523.29	3/4	261.50	3/4	9.77	3/4	3/4	3/4		3/4	
5	1,563.31	5	1,301.61	5	1,039.80	5	779.49	5	517.83	5	256.05	5	7.04	5	5	5		5	
1/4	1,557.86	1/4	1,296.15	1/4	1,034.35	1/4	774.04	1/4	512.38	1/4	250.59	1/4	4.31	1/4	1/4	1/4		1/4	
1/2	1,552.41	1/2	1,290.70	1/2	1,028.89	1/2	768.59	1/2	506.93	1/2	245.14	1/2	3.40	1/2	1/2	1/2		1/2	
3/4	1,546.96	3/4	1,285.24	3/4	1,023.44	3/4	763.14	3/4	501.47	3/4	239.69	3/4	2.50	3/4	3/4	3/4		3/4	
6	1,541.51	6	1,279.79	6	1,017.98	6	757.69	6	496.02	6	234.23	6	1.59	6	6	6		6	
1/4	1,536.06	1/4	1,274.33	1/4	1,012.53	1/4	752.24	1/4	490.57	1/4	228.78	1/4	0.68	1/4	1/4	1/4		1/4	
1/2	1,530.61	1/2	1,268.88	1/2	1,007.11	1/2	746.79	1/2	485.11	1/2	223.32	1/2		1/2	1/2	1/2		1/2	
3/4	1,525.16	3/4	1,263.43	3/4	1,001.69	3/4	741.34	3/4	479.66	3/4	217.87	3/4		3/4	3/4	3/4		3/4	
7	1,519.70	7	1,257.97	7	996.27	7	735.90	7	474.20	7	212.42	7		7	7	7		7	
1/4	1,514.25	1/4	1,252.52	1/4	990.86	1/4	730.45	1/4	468.75	1/4	206.96	1/4		1/4	1/4	1/4		1/4	
1/2	1,508.80	1/2	1,247.06	1/2	985.44	1/2	725.00	1/2	463.30	1/2	201.51	1/2		1/2	1/2	1/2		1/2	
3/4	1,503.35	3/4	1,241.61	3/4	980.02	3/4	719.55	3/4	457.84	3/4	196.05	3/4		3/4	3/4	3/4		3/4	
8	1,497.90	8	1,236.15	8	974.60	8	714.10	8	452.39	8	190.60	8		8	8	8		8	
1/4	1,492.45	1/4	1,230.70	1/4	969.19	1/4	708.65	1/4	446.93	1/4	185.15	1/4		1/4	1/4	1/4		1/4	
1/2	1,487.00	1/2	1,225.25	1/2	963.77	1/2	703.20	1/2	441.48	1/2	179.69	1/2		1/2	1/2	1/2		1/2	
3/4	1,481.55	3/4	1,219.79	3/4	958.35	3/4	697.75	3/4	436.03	3/4	174.24	3/4		3/4	3/4	3/4		3/4	
9	1,476.10	9	1,214.34	9	952.93	9	692.30	9	430.57	9	168.79	9		9	9	9		9	
1/4	1,470.65	1/4	1,208.88	1/4	947.51	1/4	686.86	1/4	425.12	1/4	163.33	1/4		1/4	1/4	1/4		1/4	
1/2	1,465.20	1/2	1,203.43	1/2	942.10	1/2	681.41	1/2	419.66	1/2	157.88	1/2		1/2	1/2	1/2		1/2	
3/4	1,459.75	3/4	1,197.97	3/4	936.68	3/4	675.96	3/4	414.21	3/4	152.42	3/4		3/4	3/4	3/4		3/4	
10	1,454.30	10	1,192.52	10	931.26	10	670.51	10	408.76	10	146.97	10		10	10	10		10	
1/4	1,448.84	1/4	1,187.07	1/4	925.84	1/4	665.06	1/4	403.30	1/4	141.52	1/4		1/4	1/4	1/4		1/4	
1/2	1,443.39	1/2	1,181.61	1/2	920.42	1/2	659.61	1/2	397.85	1/2	136.07	1/2		1/2	1/2	1/2		1/2	
3/4	1,437.94	3/4	1,176.16	3/4	915.01	3/4	654.16	3/4	392.40	3/4	130.62	3/4		3/4	3/4	3/4		3/4	
11	1,432.49	11	1,170.70	11	909.59	11	648.72	11	386.94	11	125.17	11		11	11	11		11	
1/4	1,427.04	1/4	1,165.25	1/4	904.17	1/4	643.27	1/4	381.49	1/4	119.72	1/4		1/4	1/4	1/4		1/4	
1/2	1,421.59	1/2	1,159.79	1/2	898.75	1/2	637.82	1/2	376.03	1/2	114.29	1/2		1/2	1/2	1/2		1/2	
3/4	1,416.14	3/4	1,154.34	3/4	893.33	3/4	632.36	3/4	370.58	3/4	108.85	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/06/2013 SW
CALCULATED: 06/06/2013 CL
VERIFIED: 06/30/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2023

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