



BARGE "KIRBY 10278"

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	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-1/2	- 00-1/2	00-5/8	- 00-5/8
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"

November 6, 2023

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

<http://www.pmacorp.net>



BARGE "KIRBY 10278"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 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	3,568.71	0	3,315.90	0	3,063.08	0	2,807.29	0	2,511.82	0	2,215.62		
1/4		1/4		1/4		1/4		1/4	3,563.45	1/4	3,310.63	1/4	3,057.81	1/4	2,801.09	1/4	2,505.65	1/4	2,209.45		
1/2		1/2		1/2		1/2		1/2	3,558.18	1/2	3,305.36	1/2	3,052.55	1/2	2,794.94	1/2	2,499.48	1/2	2,203.28		
3/4		3/4		3/4		3/4		3/4	3,552.91	3/4	3,300.10	3/4	3,047.28	3/4	2,788.79	3/4	2,493.31	3/4	2,197.11		
1		1		1		1		1	3,547.65	1	3,294.83	1	3,042.01	1	2,782.64	1	2,487.14	1	2,190.94		
1/4		1/4		1/4		1/4		1/4	3,763.14	1/4	3,542.38	1/4	3,289.56	1/4	3,036.75	1/4	2,776.49	1/4	2,480.96	1/4	2,184.77
1/2		1/2		1/2		1/2		1/2	3,762.10	1/2	3,537.11	1/2	3,284.30	1/2	3,031.48	1/2	2,770.33	1/2	2,474.79	1/2	2,178.60
3/4		3/4		3/4		3/4		3/4	3,761.07	3/4	3,531.84	3/4	3,279.03	3/4	3,026.21	3/4	2,764.18	3/4	2,468.62	3/4	2,172.43
2		2		2		2		2	3,760.04	2	3,526.58	2	3,273.76	2	3,020.95	2	2,758.03	2	2,462.45	2	2,166.26
1/4		1/4		1/4		1/4		1/4	3,759.00	1/4	3,521.31	1/4	3,268.49	1/4	3,015.68	1/4	2,751.88	1/4	2,456.28	1/4	2,160.09
1/2		1/2		1/2		1/2		1/2	3,755.91	1/2	3,516.04	1/2	3,263.23	1/2	3,010.41	1/2	2,745.73	1/2	2,450.11	1/2	2,153.92
3/4		3/4		3/4		3/4		3/4	3,752.81	3/4	3,510.78	3/4	3,257.96	3/4	3,005.14	3/4	2,739.57	3/4	2,443.94	3/4	2,147.75
3		3		3		3		3	3,749.71	3	3,505.51	3	3,252.69	3	2,999.88	3	2,733.42	3	2,437.77	3	2,141.58
1/4		1/4		1/4		1/4		1/4	3,746.61	1/4	3,500.24	1/4	3,247.43	1/4	2,994.61	1/4	2,727.27	1/4	2,431.60	1/4	2,135.41
1/2		1/2		1/2		1/2		1/2	3,742.47	1/2	3,494.98	1/2	3,242.16	1/2	2,989.34	1/2	2,721.12	1/2	2,425.43	1/2	2,129.24
3/4		3/4		3/4		3/4		3/4	3,738.32	3/4	3,489.71	3/4	3,236.89	3/4	2,984.08	3/4	2,714.97	3/4	2,419.26	3/4	2,123.06
4		4		4		4		4	3,734.17	4	3,484.44	4	3,231.63	4	2,978.81	4	2,708.81	4	2,413.09	4	2,116.89
1/4		1/4		1/4		1/4		1/4	3,730.02	1/4	3,479.17	1/4	3,226.36	1/4	2,973.54	1/4	2,702.66	1/4	2,406.92	1/4	2,110.72
1/2		1/2		1/2		1/2		1/2	3,724.89	1/2	3,473.91	1/2	3,221.09	1/2	2,968.28	1/2	2,696.51	1/2	2,400.75	1/2	2,104.55
3/4		3/4		3/4		3/4		3/4	3,719.76	3/4	3,468.64	3/4	3,215.82	3/4	2,963.01	3/4	2,690.36	3/4	2,394.58	3/4	2,098.38
5		5		5		5		5	3,714.62	5	3,463.37	5	3,210.56	5	2,957.74	5	2,684.21	5	2,388.40	5	2,092.21
1/4		1/4		1/4		1/4		1/4	3,709.49	1/4	3,458.11	1/4	3,205.29	1/4	2,952.47	1/4	2,678.05	1/4	2,382.23	1/4	2,086.04
1/2		1/2		1/2		1/2		1/2	3,704.32	1/2	3,452.84	1/2	3,200.02	1/2	2,947.21	1/2	2,671.90	1/2	2,376.06	1/2	2,079.87
3/4		3/4		3/4		3/4		3/4	3,699.15	3/4	3,447.57	3/4	3,194.76	3/4	2,941.94	3/4	2,665.75	3/4	2,369.89	3/4	2,073.70
6		6		6		6		6	3,693.99	6	3,442.31	6	3,189.49	6	2,936.67	6	2,659.60	6	2,363.72	6	2,067.53
1/4		1/4		1/4		1/4		1/4	3,688.82	1/4	3,437.04	1/4	3,184.22	1/4	2,931.41	1/4	2,653.45	1/4	2,357.55	1/4	2,061.36
1/2		1/2		1/2		1/2		1/2	3,683.64	1/2	3,431.77	1/2	3,178.96	1/2	2,926.14	1/2	2,647.29	1/2	2,351.38	1/2	2,055.19
3/4		3/4		3/4		3/4		3/4	3,678.45	3/4	3,426.50	3/4	3,173.69	3/4	2,920.87	3/4	2,641.14	3/4	2,345.21	3/4	2,049.02
7		7		7		7		7	3,673.27	7	3,421.24	7	3,168.42	7	2,915.61	7	2,634.99	7	2,339.04	7	2,042.85
1/4		1/4		1/4		1/4		1/4	3,668.09	1/4	3,415.97	1/4	3,163.15	1/4	2,910.34	1/4	2,628.84	1/4	2,332.87	1/4	2,036.67
1/2		1/2		1/2		1/2		1/2	3,662.91	1/2	3,410.70	1/2	3,157.89	1/2	2,905.07	1/2	2,622.69	1/2	2,326.70	1/2	2,030.50
3/4		3/4		3/4		3/4		3/4	3,657.73	3/4	3,405.44	3/4	3,152.62	3/4	2,899.80	3/4	2,616.53	3/4	2,320.53	3/4	2,024.33
8		8		8		8		8	3,652.55	8	3,400.17	8	3,147.35	8	2,894.54	8	2,610.38	8	2,314.36	8	2,018.16
1/4		1/4		1/4		1/4		1/4	3,647.37	1/4	3,394.90	1/4	3,142.09	1/4	2,889.27	1/4	2,604.23	1/4	2,308.19	1/4	2,011.99
1/2		1/2		1/2		1/2		1/2	3,642.19	1/2	3,389.64	1/2	3,136.82	1/2	2,884.00	1/2	2,598.08	1/2	2,302.01	1/2	2,005.82
3/4		3/4		3/4		3/4		3/4	3,637.01	3/4	3,384.37	3/4	3,131.55	3/4	2,878.74	3/4	2,591.93	3/4	2,295.84	3/4	1,999.65
9		9		9		9		9	3,631.83	9	3,379.10	9	3,126.29	9	2,873.47	9	2,585.77	9	2,289.67	9	1,993.48
1/4		1/4		1/4		1/4		1/4	3,626.65	1/4	3,373.83	1/4	3,121.02	1/4	2,868.20	1/4	2,579.62	1/4	2,283.50	1/4	1,987.31
1/2		1/2		1/2		1/2		1/2	3,621.38	1/2	3,368.57	1/2	3,115.75	1/2	2,862.91	1/2	2,573.47	1/2	2,277.33	1/2	1,981.14
3/4		3/4		3/4		3/4		3/4	3,616.12	3/4	3,363.30	3/4	3,110.48	3/4	2,857.62	3/4	2,567.32	3/4	2,271.16	3/4	1,974.97
10		10		10		10		10	3,610.85	10	3,358.03	10	3,105.22	10	2,852.33	10	2,561.17	10	2,264.99	10	1,968.80
1/4		1/4		1/4		1/4		1/4	3,605.58	1/4	3,352.77	1/4	3,099.95	1/4	2,847.03	1/4	2,555.01	1/4	2,258.82	1/4	1,962.63
1/2		1/2		1/2		1/2		1/2	3,600.32	1/2	3,347.50	1/2	3,094.68	1/2	2,841.74	1/2	2,548.84	1/2	2,252.65	1/2	1,956.46
3/4		3/4		3/4		3/4		3/4	3,595.05	3/4	3,342.23	3/4	3,089.42	3/4	2,836.45	3/4	2,542.67	3/4	2,246.48	3/4	1,950.28
11		11		11		11		11	3,589.78	11	3,336.97	11	3,084.15	11	2,831.16	11	2,536.50	11	2,240.31	11	1,944.11
1/4		1/4		1/4		1/4		1/4	3,584.51	1/4	3,331.70	1/4	3,078.88	1/4	2,825.87	1/4	2,530.33	1/4	2,234.14	1/4	1,937.94
1/2		1/2		1/2		1/2		1/2	3,579.25	1/2	3,326.43	1/2	3,073.62	1/2	2,819.67	1/2	2,524.16	1/2	2,227.97	1/2	1,931.77
3/4		3/4		3/4		3/4		3/4	3,573.98	3/4	3,321.16	3/4	3,068.35	3/4	2,813.48	3/4	2,517.99	3/4	2,221.80	3/4	1,925.60

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.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "KIRBY 10278"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	1,919.43	0	1,623.03	0	1,326.44	0	1,029.84	0	738.72	0	442.55	0	145.72	0		0		0	
1/4	1,913.26	1/4	1,616.86	1/4	1,320.26	1/4	1,023.66	1/4	732.70	1/4	436.37	1/4	139.53	1/4	1/4		1/4		1/4
1/2	1,907.09	1/2	1,610.68	1/2	1,314.08	1/2	1,017.48	1/2	726.61	1/2	430.18	1/2	133.36	1/2	1/2		1/2		1/2
3/4	1,900.92	3/4	1,604.50	3/4	1,307.91	3/4	1,011.30	3/4	720.53	3/4	424.00	3/4	127.18	3/4	3/4		3/4		3/4
1	1,894.75	1	1,598.33	1	1,301.73	1	1,005.12	1	714.45	1	417.82	1	121.01	1	1		1		1
1/4	1,888.58	1/4	1,592.15	1/4	1,295.55	1/4	998.94	1/4	708.36	1/4	411.63	1/4	114.83	1/4	1/4		1/4		1/4
1/2	1,882.41	1/2	1,585.97	1/2	1,289.37	1/2	992.76	1/2	702.20	1/2	405.45	1/2	108.67	1/2	1/2		1/2		1/2
3/4	1,876.24	3/4	1,579.79	3/4	1,283.19	3/4	986.58	3/4	696.03	3/4	399.26	3/4	102.52	3/4	3/4		3/4		3/4
2	1,870.07	2	1,573.62	2	1,277.01	2	980.40	2	689.87	2	393.08	2	96.36	2	2		2		2
1/4	1,863.89	1/4	1,567.44	1/4	1,270.83	1/4	974.22	1/4	683.70	1/4	386.90	1/4	90.20	1/4	1/4		1/4		1/4
1/2	1,857.72	1/2	1,561.26	1/2	1,264.65	1/2	968.11	1/2	677.52	1/2	380.71	1/2	84.08	1/2	1/2		1/2		1/2
3/4	1,851.55	3/4	1,555.08	3/4	1,258.47	3/4	961.99	3/4	671.34	3/4	374.53	3/4	77.96	3/4	3/4		3/4		3/4
3	1,845.38	3	1,548.90	3	1,252.29	3	955.87	3	665.15	3	368.35	3	71.83	3	3		3		3
1/4	1,839.21	1/4	1,542.72	1/4	1,246.11	1/4	949.76	1/4	658.97	1/4	362.16	1/4	65.71	1/4	1/4		1/4		1/4
1/2	1,833.04	1/2	1,536.54	1/2	1,239.93	1/2	943.70	1/2	652.79	1/2	355.98	1/2	59.64	1/2	1/2		1/2		1/2
3/4	1,826.87	3/4	1,530.36	3/4	1,233.75	3/4	937.65	3/4	646.61	3/4	349.80	3/4	53.58	3/4	3/4		3/4		3/4
4	1,820.70	4	1,524.18	4	1,227.57	4	931.60	4	640.42	4	343.61	4	47.51	4	4		4		4
1/4	1,814.53	1/4	1,518.00	1/4	1,221.40	1/4	925.54	1/4	634.24	1/4	337.43	1/4	41.44	1/4	1/4		1/4		1/4
1/2	1,808.35	1/2	1,511.82	1/2	1,215.22	1/2	919.49	1/2	628.06	1/2	331.24	1/2	36.29	1/2	1/2		1/2		1/2
3/4	1,802.17	3/4	1,505.64	3/4	1,209.04	3/4	913.44	3/4	621.87	3/4	325.06	3/4	31.13	3/4	3/4		3/4		3/4
5	1,795.99	5	1,499.46	5	1,202.86	5	907.39	5	615.69	5	318.88	5	25.98	5	5		5		5
1/4	1,789.81	1/4	1,493.28	1/4	1,196.68	1/4	901.33	1/4	609.51	1/4	312.69	1/4	20.83	1/4	1/4		1/4		1/4
1/2	1,783.63	1/2	1,487.11	1/2	1,190.50	1/2	895.30	1/2	603.32	1/2	306.51	1/2	17.73	1/2	1/2		1/2		1/2
3/4	1,777.45	3/4	1,480.93	3/4	1,184.32	3/4	889.26	3/4	597.14	3/4	300.33	3/4	14.63	3/4	3/4		3/4		3/4
6	1,771.28	6	1,474.75	6	1,178.14	6	883.22	6	590.96	6	294.14	6	11.53	6	6		6		6
1/4	1,765.10	1/4	1,468.57	1/4	1,171.96	1/4	877.19	1/4	584.77	1/4	287.96	1/4	8.44	1/4	1/4		1/4		1/4
1/2	1,758.92	1/2	1,462.39	1/2	1,165.78	1/2	871.17	1/2	578.59	1/2	281.78	1/2	7.40	1/2	1/2		1/2		1/2
3/4	1,752.74	3/4	1,456.21	3/4	1,159.60	3/4	865.15	3/4	572.41	3/4	275.59	3/4	6.37	3/4	3/4		3/4		3/4
7	1,746.56	7	1,450.03	7	1,153.42	7	859.12	7	566.22	7	269.41	7	5.34	7	7		7		7
1/4	1,740.38	1/4	1,443.85	1/4	1,147.24	1/4	853.10	1/4	560.04	1/4	263.23	1/4	4.31	1/4	1/4		1/4		1/4
1/2	1,734.20	1/2	1,437.67	1/2	1,141.06	1/2	847.08	1/2	553.85	1/2	257.04	1/2		1/2	1/2		1/2		1/2
3/4	1,728.02	3/4	1,431.49	3/4	1,134.89	3/4	841.06	3/4	547.67	3/4	250.86	3/4		3/4	3/4		3/4		3/4
8	1,721.85	8	1,425.31	8	1,128.71	8	835.04	8	541.49	8	244.67	8		8	8		8		8
1/4	1,715.67	1/4	1,419.13	1/4	1,122.53	1/4	829.02	1/4	535.30	1/4	238.49	1/4		1/4	1/4		1/4		1/4
1/2	1,709.49	1/2	1,412.95	1/2	1,116.35	1/2	823.00	1/2	529.12	1/2	232.31	1/2		1/2	1/2		1/2		1/2
3/4	1,703.32	3/4	1,406.77	3/4	1,110.17	3/4	816.98	3/4	522.94	3/4	226.12	3/4		3/4	3/4		3/4		3/4
9	1,697.14	9	1,400.60	9	1,103.99	9	810.96	9	516.75	9	219.94	9		9	9		9		9
1/4	1,690.97	1/4	1,394.42	1/4	1,097.81	1/4	804.94	1/4	510.57	1/4	213.76	1/4		1/4	1/4		1/4		1/4
1/2	1,684.79	1/2	1,388.24	1/2	1,091.63	1/2	798.92	1/2	504.39	1/2	207.57	1/2		1/2	1/2		1/2		1/2
3/4	1,678.61	3/4	1,382.06	3/4	1,085.45	3/4	792.90	3/4	498.20	3/4	201.39	3/4		3/4	3/4		3/4		3/4
10	1,672.44	10	1,375.88	10	1,079.27	10	786.88	10	492.02	10	195.21	10		10	10		10		10
1/4	1,666.26	1/4	1,369.70	1/4	1,073.09	1/4	780.86	1/4	485.83	1/4	189.02	1/4		1/4	1/4		1/4		1/4
1/2	1,660.09	1/2	1,363.52	1/2	1,066.91	1/2	774.84	1/2	479.65	1/2	182.84	1/2		1/2	1/2		1/2		1/2
3/4	1,653.91	3/4	1,357.34	3/4	1,060.73	3/4	768.82	3/4	473.47	3/4	176.66	3/4		3/4	3/4		3/4		3/4
11	1,647.74	11	1,351.16	11	1,054.55	11	762.80	11	467.28	11	170.47	11		11	11		11		11
1/4	1,641.56	1/4	1,344.98	1/4	1,048.37	1/4	756.78	1/4	461.10	1/4	164.29	1/4		1/4	1/4		1/4		1/4
1/2	1,635.38	1/2	1,338.80	1/2	1,042.20	1/2	750.76	1/2	454.92	1/2	158.10	1/2		1/2	1/2		1/2		1/2
3/4	1,629.21	3/4	1,332.62	3/4	1,036.02	3/4	744.74	3/4	448.73	3/4	151.91	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/18/2013 CL
CALCULATED: 12/19/2013 CL
VERIFIED: 11/06/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2023

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



BARGE "KIRBY 10278"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0		0	3,264.98	0	3,003.13	0	2,741.28	0	2,479.05	0	2,215.80	0	1,952.54
1/4		1/4		1/4		1/4		1/4	3,259.52	1/4	2,997.67	1/4	2,735.82	1/4	2,473.56	1/4	2,210.31	1/4	1,947.06
1/2		1/2		1/2		1/2		1/2	3,254.06	1/2	2,992.22	1/2	2,730.37	1/2	2,468.08	1/2	2,204.83	1/2	1,941.58
3/4		3/4		3/4		3/4		3/4	3,475.24	3/4	3,248.61	3/4	2,986.76	3/4	2,724.91	3/4	2,462.59	3/4	2,199.34
1		1		1		1		1	3,474.32	1	3,243.15	1	2,981.30	1	2,719.46	1	2,457.11	1	2,193.86
1/4		1/4		1/4		1/4		1/4	3,473.41	1/4	3,237.70	1/4	2,975.85	1/4	2,714.00	1/4	2,451.62	1/4	2,188.37
1/2		1/2		1/2		1/2		1/2	3,472.49	1/2	3,232.24	1/2	2,970.39	1/2	2,708.54	1/2	2,446.14	1/2	2,182.89
3/4		3/4		3/4		3/4		3/4	3,471.58	3/4	3,226.79	3/4	2,964.94	3/4	2,703.09	3/4	2,440.66	3/4	2,177.40
2		2		2		2		2	3,468.84	2	3,221.33	2	2,959.48	2	2,697.63	2	2,435.17	2	2,171.92
1/4		1/4		1/4		1/4		1/4	3,466.09	1/4	3,215.88	1/4	2,954.03	1/4	2,692.18	1/4	2,429.69	1/4	2,166.44
1/2		1/2		1/2		1/2		1/2	3,463.35	1/2	3,210.42	1/2	2,948.57	1/2	2,686.72	1/2	2,424.20	1/2	2,160.95
3/4		3/4		3/4		3/4		3/4	3,460.60	3/4	3,204.97	3/4	2,943.12	3/4	2,681.27	3/4	2,418.72	3/4	2,155.47
3		3		3		3		3	3,456.16	3	3,199.51	3	2,937.66	3	2,675.81	3	2,413.23	3	2,149.98
1/4		1/4		1/4		1/4		1/4	3,451.72	1/4	3,194.06	1/4	2,932.21	1/4	2,670.36	1/4	2,407.75	1/4	2,144.50
1/2		1/2		1/2		1/2		1/2	3,447.27	1/2	3,188.60	1/2	2,926.75	1/2	2,664.90	1/2	2,402.27	1/2	2,139.01
3/4		3/4		3/4		3/4		3/4	3,442.83	3/4	3,183.15	3/4	2,921.30	3/4	2,659.45	3/4	2,396.78	3/4	2,133.53
4		4		4		4		4	3,437.51	4	3,177.69	4	2,915.84	4	2,653.99	4	2,391.30	4	2,128.05
1/4		1/4		1/4		1/4		1/4	3,432.20	1/4	3,172.24	1/4	2,910.39	1/4	2,648.54	1/4	2,385.81	1/4	2,122.56
1/2		1/2		1/2		1/2		1/2	3,426.88	1/2	3,166.78	1/2	2,904.93	1/2	2,643.08	1/2	2,380.33	1/2	2,117.08
3/4		3/4		3/4		3/4		3/4	3,421.57	3/4	3,161.33	3/4	2,899.48	3/4	2,637.63	3/4	2,374.84	3/4	2,111.59
5		5		5		5		5	3,416.22	5	3,155.87	5	2,894.02	5	2,632.17	5	2,369.36	5	2,106.11
1/4		1/4		1/4		1/4		1/4	3,410.87	1/4	3,150.42	1/4	2,888.57	1/4	2,626.72	1/4	2,363.87	1/4	2,100.62
1/2		1/2		1/2		1/2		1/2	3,405.52	1/2	3,144.96	1/2	2,883.11	1/2	2,621.26	1/2	2,358.39	1/2	2,095.14
3/4		3/4		3/4		3/4		3/4	3,400.18	3/4	3,139.51	3/4	2,877.66	3/4	2,615.81	3/4	2,352.91	3/4	2,089.65
6		6		6		6		6	3,394.82	6	3,134.05	6	2,872.20	6	2,610.35	6	2,347.42	6	2,084.17
1/4		1/4		1/4		1/4		1/4	3,389.46	1/4	3,128.60	1/4	2,866.75	1/4	2,604.90	1/4	2,341.94	1/4	2,078.69
1/2		1/2		1/2		1/2		1/2	3,384.10	1/2	3,123.14	1/2	2,861.29	1/2	2,599.44	1/2	2,336.45	1/2	2,073.20
3/4		3/4		3/4		3/4		3/4	3,378.74	3/4	3,117.68	3/4	2,855.84	3/4	2,593.99	3/4	2,330.97	3/4	2,067.72
7		7		7		7		7	3,373.39	7	3,112.23	7	2,850.38	7	2,588.53	7	2,325.48	7	2,062.23
1/4		1/4		1/4		1/4		1/4	3,368.03	1/4	3,106.77	1/4	2,844.92	1/4	2,583.08	1/4	2,320.00	1/4	2,056.75
1/2		1/2		1/2		1/2		1/2	3,362.67	1/2	3,101.32	1/2	2,839.47	1/2	2,577.62	1/2	2,314.51	1/2	2,051.26
3/4		3/4		3/4		3/4		3/4	3,357.32	3/4	3,095.86	3/4	2,834.01	3/4	2,572.16	3/4	2,309.03	3/4	2,045.78
8		8		8		8		8	3,351.96	8	3,090.41	8	2,828.56	8	2,566.71	8	2,303.55	8	2,040.29
1/4		1/4		1/4		1/4		1/4	3,346.60	1/4	3,084.95	1/4	2,823.10	1/4	2,561.25	1/4	2,298.06	1/4	2,034.81
1/2		1/2		1/2		1/2		1/2	3,341.25	1/2	3,079.50	1/2	2,817.65	1/2	2,555.80	1/2	2,292.58	1/2	2,029.33
3/4		3/4		3/4		3/4		3/4	3,335.89	3/4	3,074.04	3/4	2,812.19	3/4	2,550.34	3/4	2,287.09	3/4	2,023.84
9		9		9		9		9	3,330.44	9	3,068.59	9	2,806.74	9	2,544.86	9	2,281.61	9	2,018.36
1/4		1/4		1/4		1/4		1/4	3,324.98	1/4	3,063.13	1/4	2,801.28	1/4	2,539.38	1/4	2,276.12	1/4	2,012.87
1/2		1/2		1/2		1/2		1/2	3,319.53	1/2	3,057.68	1/2	2,795.83	1/2	2,533.89	1/2	2,270.64	1/2	2,007.39
3/4		3/4		3/4		3/4		3/4	3,314.07	3/4	3,052.22	3/4	2,790.37	3/4	2,528.41	3/4	2,265.16	3/4	2,001.90
10		10		10		10		10	3,308.62	10	3,046.77	10	2,784.92	10	2,522.92	10	2,259.67	10	1,996.42
1/4		1/4		1/4		1/4		1/4	3,303.16	1/4	3,041.31	1/4	2,779.46	1/4	2,517.44	1/4	2,254.19	1/4	1,990.94
1/2		1/2		1/2		1/2		1/2	3,297.71	1/2	3,035.86	1/2	2,774.01	1/2	2,511.95	1/2	2,248.70	1/2	1,985.45
3/4		3/4		3/4		3/4		3/4	3,292.25	3/4	3,030.40	3/4	2,768.55	3/4	2,506.47	3/4	2,243.22	3/4	1,979.97
11		11		11		11		11	3,286.80	11	3,024.95	11	2,763.10	11	2,500.98	11	2,237.73	11	1,974.48
1/4		1/4		1/4		1/4		1/4	3,281.34	1/4	3,019.49	1/4	2,757.64	1/4	2,495.50	1/4	2,232.25	1/4	1,969.00
1/2		1/2		1/2		1/2		1/2	3,275.89	1/2	3,014.04	1/2	2,752.19	1/2	2,490.02	1/2	2,226.76	1/2	1,963.51
3/4		3/4		3/4		3/4		3/4	3,270.43	3/4	3,008.58	3/4	2,746.73	3/4	2,484.53	3/4	2,221.28	3/4	1,958.03

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 28'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 10278"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,689.29	0	1,426.04	0	1,162.63	0	900.82	0	641.61	0	378.34	0	114.99	0		0		0	
1/4	1,683.81	1/4	1,420.56	1/4	1,157.15	1/4	895.42	1/4	636.17	1/4	372.86	1/4	109.52	1/4	1/4	1/4		1/4	
1/2	1,678.32	1/2	1,415.07	1/2	1,151.66	1/2	890.02	1/2	630.72	1/2	367.37	1/2	104.04	1/2	1/2	1/2		1/2	
3/4	1,672.84	3/4	1,409.59	3/4	1,146.17	3/4	884.61	3/4	625.28	3/4	361.88	3/4	98.57	3/4	3/4	3/4		3/4	
1	1,667.36	1	1,404.10	1	1,140.68	1	879.21	1	619.79	1	356.39	1	93.12	1	1	1		1	
1/4	1,661.87	1/4	1,398.61	1/4	1,135.19	1/4	873.81	1/4	614.31	1/4	350.91	1/4	87.67	1/4	1/4	1/4		1/4	
1/2	1,656.39	1/2	1,393.12	1/2	1,129.71	1/2	868.41	1/2	608.82	1/2	345.42	1/2	82.22	1/2	1/2	1/2		1/2	
3/4	1,650.90	3/4	1,387.64	3/4	1,124.22	3/4	863.00	3/4	603.33	3/4	339.93	3/4	76.76	3/4	3/4	3/4		3/4	
2	1,645.42	2	1,382.15	2	1,118.73	2	857.60	2	597.84	2	334.44	2	71.34	2	2	2		2	
1/4	1,639.93	1/4	1,376.66	1/4	1,113.24	1/4	852.20	1/4	592.36	1/4	328.96	1/4	65.91	1/4	1/4	1/4		1/4	
1/2	1,634.45	1/2	1,371.17	1/2	1,107.75	1/2	846.79	1/2	586.87	1/2	323.47	1/2	60.49	1/2	1/2	1/2		1/2	
3/4	1,628.96	3/4	1,365.69	3/4	1,102.27	3/4	841.39	3/4	581.38	3/4	317.98	3/4	55.07	3/4	3/4	3/4		3/4	
3	1,623.48	3	1,360.20	3	1,096.78	3	835.99	3	575.89	3	312.49	3	49.69	3	3	3		3	
1/4	1,618.00	1/4	1,354.71	1/4	1,091.29	1/4	830.58	1/4	570.41	1/4	307.01	1/4	44.32	1/4	1/4	1/4		1/4	
1/2	1,612.51	1/2	1,349.22	1/2	1,085.80	1/2	825.18	1/2	564.92	1/2	301.52	1/2	38.94	1/2	1/2	1/2		1/2	
3/4	1,607.03	3/4	1,343.73	3/4	1,080.31	3/4	819.78	3/4	559.43	3/4	296.03	3/4	33.57	3/4	3/4	3/4		3/4	
4	1,601.54	4	1,338.25	4	1,074.83	4	814.38	4	553.94	4	290.54	4	29.00	4	4	4		4	
1/4	1,596.06	1/4	1,332.76	1/4	1,069.34	1/4	808.98	1/4	548.46	1/4	285.06	1/4	24.44	1/4	1/4	1/4		1/4	
1/2	1,590.57	1/2	1,327.27	1/2	1,063.85	1/2	803.59	1/2	542.97	1/2	279.57	1/2	19.87	1/2	1/2	1/2		1/2	
3/4	1,585.09	3/4	1,321.78	3/4	1,058.36	3/4	798.19	3/4	537.48	3/4	274.08	3/4	15.31	3/4	3/4	3/4		3/4	
5	1,579.61	5	1,316.29	5	1,052.88	5	792.79	5	531.99	5	268.59	5	12.57	5	5	5		5	
1/4	1,574.12	1/4	1,310.81	1/4	1,047.39	1/4	787.39	1/4	526.51	1/4	263.11	1/4	9.82	1/4	1/4	1/4		1/4	
1/2	1,568.64	1/2	1,305.32	1/2	1,041.90	1/2	781.99	1/2	521.02	1/2	257.62	1/2	7.08	1/2	1/2	1/2		1/2	
3/4	1,563.15	3/4	1,299.83	3/4	1,036.41	3/4	776.60	3/4	515.53	3/4	252.13	3/4	4.34	3/4	3/4	3/4		3/4	
6	1,557.67	6	1,294.34	6	1,030.92	6	771.20	6	510.04	6	246.64	6	3.42	6	6	6		6	
1/4	1,552.18	1/4	1,288.85	1/4	1,025.44	1/4	765.80	1/4	504.56	1/4	241.16	1/4	2.51	1/4	1/4	1/4		1/4	
1/2	1,546.70	1/2	1,283.37	1/2	1,019.95	1/2	760.40	1/2	499.07	1/2	235.67	1/2	1.59	1/2	1/2	1/2		1/2	
3/4	1,541.21	3/4	1,277.88	3/4	1,014.46	3/4	755.01	3/4	493.58	3/4	230.18	3/4	0.68	3/4	3/4	3/4		3/4	
7	1,535.73	7	1,272.39	7	1,009.01	7	749.61	7	488.09	7	224.69	7		7	7	7		7	
1/4	1,530.25	1/4	1,266.90	1/4	1,003.57	1/4	744.21	1/4	482.61	1/4	219.21	1/4		1/4	1/4	1/4		1/4	
1/2	1,524.76	1/2	1,261.42	1/2	998.12	1/2	738.81	1/2	477.12	1/2	213.72	1/2		1/2	1/2	1/2		1/2	
3/4	1,519.28	3/4	1,255.93	3/4	992.67	3/4	733.42	3/4	471.63	3/4	208.23	3/4		3/4	3/4	3/4		3/4	
8	1,513.79	8	1,250.44	8	987.27	8	728.02	8	466.14	8	202.74	8		8	8	8		8	
1/4	1,508.31	1/4	1,244.95	1/4	981.87	1/4	722.62	1/4	460.66	1/4	197.26	1/4		1/4	1/4	1/4		1/4	
1/2	1,502.82	1/2	1,239.46	1/2	976.47	1/2	717.22	1/2	455.17	1/2	191.77	1/2		1/2	1/2	1/2		1/2	
3/4	1,497.34	3/4	1,233.98	3/4	971.06	3/4	711.82	3/4	449.68	3/4	186.28	3/4		3/4	3/4	3/4		3/4	
9	1,491.85	9	1,228.49	9	965.66	9	706.43	9	444.19	9	180.79	9		9	9	9		9	
1/4	1,486.37	1/4	1,223.00	1/4	960.26	1/4	701.03	1/4	438.71	1/4	175.31	1/4		1/4	1/4	1/4		1/4	
1/2	1,480.89	1/2	1,217.51	1/2	954.85	1/2	695.63	1/2	433.22	1/2	169.82	1/2		1/2	1/2	1/2		1/2	
3/4	1,475.40	3/4	1,212.02	3/4	949.45	3/4	690.23	3/4	427.73	3/4	164.33	3/4		3/4	3/4	3/4		3/4	
10	1,469.92	10	1,206.54	10	944.05	10	684.84	10	422.24	10	158.85	10		10	10	10		10	
1/4	1,464.43	1/4	1,201.05	1/4	938.64	1/4	679.44	1/4	416.76	1/4	153.36	1/4		1/4	1/4	1/4		1/4	
1/2	1,458.95	1/2	1,195.56	1/2	933.24	1/2	674.04	1/2	411.27	1/2	147.87	1/2		1/2	1/2	1/2		1/2	
3/4	1,453.46	3/4	1,190.07	3/4	927.84	3/4	668.64	3/4	405.78	3/4	142.39	3/4		3/4	3/4	3/4		3/4	
11	1,447.98	11	1,184.58	11	922.44	11	663.25	11	400.29	11	136.90	11		11	11	11		11	
1/4	1,442.50	1/4	1,179.10	1/4	917.03	1/4	657.85	1/4	394.81	1/4	131.42	1/4		1/4	1/4	1/4		1/4	
1/2	1,437.01	1/2	1,173.61	1/2	911.63	1/2	652.45	1/2	389.32	1/2	125.94	1/2		1/2	1/2	1/2		1/2	
3/4	1,431.53	3/4	1,168.12	3/4	906.23	3/4	647.06	3/4	383.83	3/4	120.46	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/18/2013 CL
CALCULATED: 12/19/2013 CL
VERIFIED: 11/06/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2023

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



BARGE "KIRBY 10278"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0		0		0	3,241.61	0	2,981.98	0	2,722.36	0	2,462.35	0	2,201.33	0	1,940.30		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,236.20	1/4	2,976.57	1/4	2,716.95	1/4	2,456.91	1/4	2,195.89	1/4	1,934.86		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,230.79	1/2	2,971.17	1/2	2,711.54	1/2	2,451.47	1/2	2,190.45	1/2	1,929.43		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,450.08	3/4	3,225.38	3/4	2,965.76	3/4	2,706.13	3/4	2,446.04	3/4	2,185.01	3/4	1,923.99
1		1		1		1		1	3,449.17	1	3,219.98	1	2,960.35	1	2,700.72	1	2,440.60	1	2,179.57	1	1,918.55
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,448.27	1/4	3,214.57	1/4	2,954.94	1/4	2,695.31	1/4	2,435.16	1/4	2,174.14	1/4	1,913.11
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,447.36	1/2	3,209.16	1/2	2,949.53	1/2	2,689.90	1/2	2,429.72	1/2	2,168.70	1/2	1,907.67
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,446.45	3/4	3,203.75	3/4	2,944.12	3/4	2,684.49	3/4	2,424.28	3/4	2,163.26	3/4	1,902.24
2		2		2		2		2	3,443.73	2	3,176.34	2	2,938.71	2	2,679.09	2	2,418.85	2	2,157.82	2	1,896.80
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,441.01	1/4	3,192.93	1/4	2,933.30	1/4	2,673.68	1/4	2,413.41	1/4	2,152.38	1/4	1,891.36
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,438.29	1/2	3,187.52	1/2	2,927.89	1/2	2,668.27	1/2	2,407.97	1/2	2,146.95	1/2	1,885.92
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,435.57	3/4	3,182.11	3/4	2,922.49	3/4	2,662.86	3/4	2,402.53	3/4	2,141.51	3/4	1,880.48
3		3		3		3		3	3,431.17	3	3,176.70	3	2,917.08	3	2,657.45	3	2,397.09	3	2,136.07	3	1,875.05
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,426.76	1/4	3,171.29	1/4	2,911.67	1/4	2,652.04	1/4	2,391.66	1/4	2,130.63	1/4	1,869.61
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,422.36	1/2	3,165.89	1/2	2,906.26	1/2	2,646.63	1/2	2,386.22	1/2	2,125.19	1/2	1,864.17
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,417.95	3/4	3,160.48	3/4	2,900.85	3/4	2,641.22	3/4	2,380.78	3/4	2,119.76	3/4	1,858.73
4		4		4		4		4	3,412.68	4	3,155.07	4	2,895.44	4	2,635.81	4	2,375.34	4	2,114.32	4	1,853.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,407.41	1/4	3,149.66	1/4	2,890.03	1/4	2,630.40	1/4	2,369.90	1/4	2,108.88	1/4	1,847.86
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,402.14	1/2	3,144.25	1/2	2,884.62	1/2	2,625.00	1/2	2,364.47	1/2	2,103.44	1/2	1,842.42
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,396.87	3/4	3,138.84	3/4	2,879.21	3/4	2,619.59	3/4	2,359.03	3/4	2,098.00	3/4	1,836.98
5		5		5		5		5	3,391.57	5	3,133.43	5	2,873.81	5	2,614.18	5	2,353.59	5	2,092.57	5	1,831.54
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,386.27	1/4	3,128.02	1/4	2,868.40	1/4	2,608.77	1/4	2,348.15	1/4	2,087.13	1/4	1,826.10
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,380.97	1/2	3,122.61	1/2	2,862.99	1/2	2,603.36	1/2	2,342.71	1/2	2,081.69	1/2	1,820.67
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,375.67	3/4	3,117.21	3/4	2,857.58	3/4	2,597.95	3/4	2,337.28	3/4	2,076.25	3/4	1,815.23
6		6		6		6		6	3,370.35	6	3,111.80	6	2,852.17	6	2,592.54	6	2,331.84	6	2,070.81	6	1,809.79
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,365.03	1/4	3,106.39	1/4	2,846.76	1/4	2,587.13	1/4	2,326.40	1/4	2,065.38	1/4	1,804.35
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,359.72	1/2	3,100.98	1/2	2,841.35	1/2	2,581.72	1/2	2,320.96	1/2	2,059.94	1/2	1,798.91
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,354.40	3/4	3,095.57	3/4	2,835.94	3/4	2,576.32	3/4	2,315.52	3/4	2,054.50	3/4	1,793.48
7		7		7		7		7	3,349.09	7	3,090.16	7	2,830.53	7	2,570.91	7	2,310.09	7	2,049.06	7	1,788.04
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,343.78	1/4	3,084.75	1/4	2,825.13	1/4	2,565.50	1/4	2,304.65	1/4	2,043.62	1/4	1,782.60
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,338.47	1/2	3,079.34	1/2	2,819.72	1/2	2,560.09	1/2	2,299.21	1/2	2,038.19	1/2	1,777.16
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,333.16	3/4	3,073.93	3/4	2,814.31	3/4	2,554.68	3/4	2,293.77	3/4	2,032.75	3/4	1,771.72
8		8		8		8		8	3,327.85	8	3,068.53	8	2,808.90	8	2,549.27	8	2,288.33	8	2,027.31	8	1,766.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,322.55	1/4	3,063.12	1/4	2,803.49	1/4	2,543.86	1/4	2,282.90	1/4	2,021.87	1/4	1,760.85
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,317.24	1/2	3,057.71	1/2	2,798.08	1/2	2,538.45	1/2	2,277.46	1/2	2,016.43	1/2	1,755.41
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,311.93	3/4	3,052.30	3/4	2,792.67	3/4	2,533.04	3/4	2,272.02	3/4	2,011.00	3/4	1,749.97
9		9		9		9		9	3,306.52	9	3,046.89	9	2,787.26	9	2,527.61	9	2,266.58	9	2,005.56	9	1,744.53
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,301.11	1/4	3,041.48	1/4	2,781.85	1/4	2,522.17	1/4	2,261.14	1/4	2,000.12	1/4	1,739.10
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,295.70	1/2	3,036.07	1/2	2,776.45	1/2	2,516.73	1/2	2,255.71	1/2	1,994.68	1/2	1,733.66
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,290.29	3/4	3,030.66	3/4	2,771.04	3/4	2,511.29	3/4	2,250.27	3/4	1,989.24	3/4	1,728.22
10		10		10		10		10	3,284.88	10	3,025.25	10	2,765.63	10	2,505.85	10	2,244.83	10	1,983.81	10	1,722.78
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,279.47	1/4	3,019.85	1/4	2,760.22	1/4	2,500.42	1/4	2,239.39	1/4	1,978.37	1/4	1,717.34
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,274.06	1/2	3,014.44	1/2	2,754.81	1/2	2,494.98	1/2	2,233.95	1/2	1,972.93	1/2	1,711.91
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,268.66	3/4	3,009.03	3/4	2,749.40	3/4	2,489.54	3/4	2,228.52	3/4	1,967.49	3/4	1,706.47
11		11		11		11		11	3,263.25	11	3,003.62	11	2,743.99	11	2,484.10	11	2,223.08	11	1,962.05	11	1,701.03
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,257.84	1/4	2,998.21	1/4	2,738.58	1/4	2,478.66	1/4	2,217.64	1/4	1,956.62	1/4	1,695.59
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,252.43	1/2	2,992.80	1/2	2,733.17	1/2	2,473.23	1/2	2,212.20	1/2	1,951.18	1/2	1,690.15
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,247.02	3/4	2,987.39	3/4	2,727.77	3/4	2,467.79	3/4	2,206.76	3/4	1,945.74	3/4	1,684.72

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 10278"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,679.28	0	1,418.25	0	1,157.07	0	896.64	0	636.32	0	375.15	0	114.02	0		0		0	
1/4	1,673.84	1/4	1,412.82	1/4	1,151.63	1/4	891.24	1/4	630.88	1/4	369.71	1/4	108.59	1/4		1/4		1/4	
1/2	1,668.40	1/2	1,407.38	1/2	1,146.19	1/2	885.83	1/2	625.44	1/2	364.27	1/2	103.17	1/2		1/2		1/2	
3/4	1,662.96	3/4	1,401.94	3/4	1,140.75	3/4	880.43	3/4	620.00	3/4	358.83	3/4	97.75	3/4		3/4		3/4	
1	1,657.53	1	1,396.50	1	1,135.31	1	875.02	1	614.56	1	353.39	1	92.34	1		1		1	
1/4	1,652.09	1/4	1,391.06	1/4	1,129.87	1/4	869.62	1/4	609.12	1/4	347.95	1/4	86.93	1/4		1/4		1/4	
1/2	1,646.65	1/2	1,385.62	1/2	1,124.42	1/2	864.21	1/2	603.68	1/2	342.50	1/2	81.53	1/2		1/2		1/2	
3/4	1,641.21	3/4	1,380.17	3/4	1,118.98	3/4	858.81	3/4	598.24	3/4	337.06	3/4	76.12	3/4		3/4		3/4	
2	1,635.77	2	1,374.73	2	1,113.54	2	853.40	2	592.79	2	331.62	2	70.74	2		2		2	
1/4	1,630.34	1/4	1,369.29	1/4	1,108.10	1/4	848.00	1/4	587.35	1/4	326.18	1/4	65.36	1/4		1/4		1/4	
1/2	1,624.90	1/2	1,363.85	1/2	1,102.66	1/2	842.59	1/2	581.91	1/2	320.74	1/2	59.98	1/2		1/2		1/2	
3/4	1,619.46	3/4	1,358.41	3/4	1,097.22	3/4	837.19	3/4	576.47	3/4	315.30	3/4	54.61	3/4		3/4		3/4	
3	1,614.02	3	1,352.97	3	1,091.78	3	831.78	3	571.03	3	309.86	3	49.28	3		3		3	
1/4	1,608.58	1/4	1,347.53	1/4	1,086.33	1/4	826.38	1/4	565.59	1/4	304.42	1/4	43.95	1/4		1/4		1/4	
1/2	1,603.15	1/2	1,342.08	1/2	1,080.89	1/2	820.97	1/2	560.15	1/2	298.98	1/2	38.62	1/2		1/2		1/2	
3/4	1,597.71	3/4	1,336.64	3/4	1,075.45	3/4	815.57	3/4	554.71	3/4	293.53	3/4	33.29	3/4		3/4		3/4	
4	1,592.27	4	1,331.20	4	1,070.01	4	810.17	4	549.27	4	288.09	4	28.76	4		4		4	
1/4	1,586.83	1/4	1,325.76	1/4	1,064.57	1/4	804.77	1/4	543.82	1/4	282.65	1/4	24.24	1/4		1/4		1/4	
1/2	1,581.39	1/2	1,320.32	1/2	1,059.13	1/2	799.37	1/2	538.38	1/2	277.21	1/2	19.71	1/2		1/2		1/2	
3/4	1,575.96	3/4	1,314.88	3/4	1,053.68	3/4	793.97	3/4	532.94	3/4	271.77	3/4	15.18	3/4		3/4		3/4	
5	1,570.52	5	1,309.44	5	1,048.24	5	788.53	5	527.50	5	266.33	5	12.46	5		5		5	
1/4	1,565.08	1/4	1,303.99	1/4	1,042.80	1/4	783.09	1/4	522.06	1/4	260.89	1/4	9.74	1/4		1/4		1/4	
1/2	1,559.64	1/2	1,298.55	1/2	1,037.36	1/2	777.66	1/2	516.62	1/2	255.45	1/2	7.02	1/2		1/2		1/2	
3/4	1,554.20	3/4	1,293.11	3/4	1,031.92	3/4	772.22	3/4	511.18	3/4	250.01	3/4	4.30	3/4		3/4		3/4	
6	1,548.77	6	1,287.67	6	1,026.48	6	766.78	6	505.74	6	244.56	6	3.40	6		6		6	
1/4	1,543.33	1/4	1,282.23	1/4	1,021.04	1/4	761.35	1/4	500.30	1/4	239.12	1/4	2.49	1/4		1/4		1/4	
1/2	1,537.89	1/2	1,276.79	1/2	1,015.59	1/2	755.91	1/2	494.85	1/2	233.68	1/2	1.58	1/2		1/2		1/2	
3/4	1,532.45	3/4	1,271.34	3/4	1,010.15	3/4	750.48	3/4	489.41	3/4	228.24	3/4	0.68	3/4		3/4		3/4	
7	1,527.01	7	1,265.90	7	1,004.75	7	745.04	7	483.97	7	222.80	7		7		7		7	
1/4	1,521.58	1/4	1,260.46	1/4	999.34	1/4	739.60	1/4	478.53	1/4	217.36	1/4		1/4		1/4		1/4	
1/2	1,516.14	1/2	1,255.02	1/2	993.94	1/2	734.17	1/2	473.09	1/2	211.92	1/2		1/2		1/2		1/2	
3/4	1,510.70	3/4	1,249.58	3/4	988.53	3/4	728.73	3/4	467.65	3/4	206.48	3/4		3/4		3/4		3/4	
8	1,505.26	8	1,244.14	8	983.13	8	723.30	8	462.21	8	201.04	8		8		8		8	
1/4	1,499.82	1/4	1,238.70	1/4	977.72	1/4	717.86	1/4	456.77	1/4	195.59	1/4		1/4		1/4		1/4	
1/2	1,494.39	1/2	1,233.25	1/2	972.32	1/2	712.42	1/2	451.33	1/2	190.15	1/2		1/2		1/2		1/2	
3/4	1,488.95	3/4	1,227.81	3/4	966.91	3/4	706.99	3/4	445.89	3/4	184.71	3/4		3/4		3/4		3/4	
9	1,483.51	9	1,222.37	9	961.51	9	701.55	9	440.44	9	179.27	9		9		9		9	
1/4	1,478.07	1/4	1,216.93	1/4	956.10	1/4	696.12	1/4	435.00	1/4	173.83	1/4		1/4		1/4		1/4	
1/2	1,472.63	1/2	1,211.49	1/2	950.70	1/2	690.68	1/2	429.56	1/2	168.39	1/2		1/2		1/2		1/2	
3/4	1,467.20	3/4	1,206.05	3/4	945.29	3/4	685.24	3/4	424.12	3/4	162.95	3/4		3/4		3/4		3/4	
10	1,461.76	10	1,200.61	10	939.89	10	679.81	10	418.68	10	157.51	10		10		10		10	
1/4	1,456.32	1/4	1,195.16	1/4	934.48	1/4	674.37	1/4	413.24	1/4	152.07	1/4		1/4		1/4		1/4	
1/2	1,450.88	1/2	1,189.72	1/2	929.07	1/2	668.93	1/2	407.80	1/2	146.63	1/2		1/2		1/2		1/2	
3/4	1,445.44	3/4	1,184.28	3/4	923.67	3/4	663.50	3/4	402.36	3/4	141.19	3/4		3/4		3/4		3/4	
11	1,440.01	11	1,178.84	11	918.26	11	658.06	11	396.92	11	135.75	11		11		11		11	
1/4	1,434.57	1/4	1,173.40	1/4	912.86	1/4	652.63	1/4	391.47	1/4	130.31	1/4		1/4		1/4		1/4	
1/2	1,429.13	1/2	1,167.96	1/2	907.45	1/2	647.19	1/2	386.03	1/2	124.88	1/2		1/2		1/2		1/2	
3/4	1,423.69	3/4	1,162.51	3/4	902.05	3/4	641.76	3/4	380.59	3/4	119.44	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/18/2013 CL
CALCULATED: 12/19/2013 CL
VERIFIED: 11/06/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2023

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