



BARGE "KIRBY 28022"

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 PORT	- 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
1 STBD	- 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 PORT	- 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 STBD	- 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
3 PORT	- 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
3 STBD	- 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

(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 PORT IS 00-1/4"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 4'-00 1/4"

LENGTH BETWEEN DRAFT MARKS: 236'-06"

June 1, 2023

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

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BARGE "KIRBY 28022"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 3/8"

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	4,360.90	0	4,060.61	0	3,763.84	0	3,452.40	0	3,127.40	0	2,795.39	0	2,463.36
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,355.71	1/4	4,054.59	1/4	3,757.49	1/4	3,445.77	1/4	3,120.49	1/4	2,788.47	1/4	2,456.44
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,349.66	1/2	4,048.54	1/2	3,751.14	1/2	3,439.14	1/2	3,113.58	1/2	2,781.55	1/2	2,449.52
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,342.74	3/4	4,042.49	3/4	3,744.77	3/4	3,432.49	3/4	3,106.67	3/4	2,774.63	3/4	2,442.60
1		1		1		1	4,335.82	1	4,036.43	1	3,738.40	1	3,425.84	1	3,099.75	1	2,767.72	1	2,435.69
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,328.90	1/4	4,030.38	1/4	3,732.03	1/4	3,419.19	1/4	3,092.83	1/4	2,760.80	1/4	2,428.77
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,321.98	1/2	4,024.31	1/2	3,725.65	1/2	3,412.53	1/2	3,085.91	1/2	2,753.88	1/2	2,421.85
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,315.06	3/4	4,018.23	3/4	3,719.26	3/4	3,405.85	3/4	3,079.00	3/4	2,746.97	3/4	2,414.93
2		2		2		2	4,308.15	2	4,012.16	2	3,712.87	2	3,399.18	2	3,072.08	2	2,740.05	2	2,408.01
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,301.23	1/4	4,006.08	1/4	3,706.48	1/4	3,392.50	1/4	3,065.16	1/4	2,733.13	1/4	2,401.09
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,294.31	1/2	4,000.00	1/2	3,700.08	1/2	3,385.81	1/2	3,058.24	1/2	2,726.21	1/2	2,394.17
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,287.39	3/4	3,993.90	3/4	3,693.66	3/4	3,379.12	3/4	3,051.33	3/4	2,719.30	3/4	2,387.26
3		3		3		3	4,280.47	3	3,987.80	3	3,687.24	3	3,372.42	3	3,044.41	3	2,712.38	3	2,380.34
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,273.55	1/4	3,981.71	1/4	3,680.83	1/4	3,365.73	1/4	3,037.49	1/4	2,705.46	1/4	2,373.42
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,266.63	1/2	3,975.59	1/2	3,674.40	1/2	3,359.02	1/2	3,030.57	1/2	2,698.54	1/2	2,366.50
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,259.72	3/4	3,969.47	3/4	3,667.96	3/4	3,352.30	3/4	3,023.66	3/4	2,691.63	3/4	2,359.58
4		4		4		4	4,252.80	4	3,963.34	4	3,661.52	4	3,345.58	4	3,016.74	4	2,684.71	4	2,352.66
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,245.88	1/4	3,957.22	1/4	3,655.09	1/4	3,338.86	1/4	3,009.82	1/4	2,677.79	1/4	2,345.74
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,239.47	1/2	3,951.08	1/2	3,648.64	1/2	3,332.13	1/2	3,002.91	1/2	2,670.88	1/2	2,338.82
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,233.57	3/4	3,944.94	3/4	3,642.18	3/4	3,325.39	3/4	2,995.99	3/4	2,663.96	3/4	2,331.91
5		5		5		5	4,227.66	5	3,938.79	5	3,635.72	5	3,318.64	5	2,989.07	5	2,657.04	5	2,324.99
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,221.76	1/4	3,932.65	1/4	3,629.26	1/4	3,311.90	1/4	2,982.15	1/4	2,650.12	1/4	2,318.07
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,215.85	1/2	3,926.49	1/2	3,622.78	1/2	3,305.14	1/2	2,975.24	1/2	2,643.21	1/2	2,311.15
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,209.93	3/4	3,920.32	3/4	3,616.30	3/4	3,298.37	3/4	2,968.32	3/4	2,636.29	3/4	2,304.23
6		6		6		6	4,204.01	6	3,914.16	6	3,609.81	6	3,291.61	6	2,961.40	6	2,629.37	6	2,297.31
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,198.08	1/4	3,907.99	1/4	3,603.32	1/4	3,284.84	1/4	2,954.48	1/4	2,622.45	1/4	2,290.39
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,192.15	1/2	3,901.81	1/2	3,596.83	1/2	3,278.06	1/2	2,947.57	1/2	2,615.54	1/2	2,283.48
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,186.21	3/4	3,895.62	3/4	3,590.32	3/4	3,271.26	3/4	2,940.65	3/4	2,608.62	3/4	2,276.56
7		7		7		7	4,180.26	7	3,889.42	7	3,583.81	7	3,264.47	7	2,933.73	7	2,601.70	7	2,269.64
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,174.32	1/4	3,883.23	1/4	3,577.30	1/4	3,257.67	1/4	2,926.82	1/4	2,594.79	1/4	2,262.72
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,168.36	1/2	3,877.02	1/2	3,570.78	1/2	3,250.86	1/2	2,919.90	1/2	2,587.87	1/2	2,255.80
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,162.39	3/4	3,870.81	3/4	3,564.25	3/4	3,244.05	3/4	2,912.98	3/4	2,580.95	3/4	2,248.88
8		8		8		8	4,156.42	8	3,864.59	8	3,557.72	8	3,237.24	8	2,906.06	8	2,574.03	8	2,241.96
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,150.45	1/4	3,858.38	1/4	3,551.19	1/4	3,230.42	1/4	2,899.15	1/4	2,567.12	1/4	2,235.05
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,144.48	1/2	3,852.13	1/2	3,544.65	1/2	3,223.60	1/2	2,892.23	1/2	2,560.20	1/2	2,228.13
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,138.53	3/4	3,845.86	3/4	3,538.10	3/4	3,216.76	3/4	2,885.31	3/4	2,553.28	3/4	2,221.21
9		9		9		9	4,132.57	9	3,839.59	9	3,531.54	9	3,209.92	9	2,878.39	9	2,546.36	9	2,214.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,126.61	1/4	3,833.32	1/4	3,524.98	1/4	3,203.09	1/4	2,871.48	1/4	2,539.45	1/4	2,207.37
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,120.64	1/2	3,827.03	1/2	3,518.42	1/2	3,196.23	1/2	2,864.56	1/2	2,532.53	1/2	2,200.45
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,114.66	3/4	3,820.74	3/4	3,511.84	3/4	3,189.37	3/4	2,857.64	3/4	2,525.61	3/4	2,193.53
10		10		10		10	4,108.68	10	3,814.44	10	3,505.26	10	3,182.50	10	2,850.73	10	2,518.69	10	2,186.62
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,102.70	1/4	3,808.14	1/4	3,498.68	1/4	3,175.64	1/4	2,843.81	1/4	2,511.78	1/4	2,179.70
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,096.71	1/2	3,801.83	1/2	3,492.09	1/2	3,168.76	1/2	2,836.89	1/2	2,504.86	1/2	2,172.78
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,090.70	3/4	3,795.51	3/4	3,485.48	3/4	3,161.88	3/4	2,829.97	3/4	2,497.94	3/4	2,165.86
11		11		11		11	4,084.69	11	3,789.19	11	3,478.87	11	3,154.99	11	2,823.06	11	2,491.03	11	2,158.94
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,078.69	1/4	3,782.87	1/4	3,472.27	1/4	3,148.11	1/4	2,816.14	1/4	2,484.11	1/4	2,152.02
1/2	1/2	1/2	1/2	5/8	1/2	1/2	4,368.69	1/2	4,072.67	1/2	3,776.54	1/2	3,465.65	1/2	2,809.22	1/2	2,477.19	1/2	2,145.10
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,366.09	3/4	4,066.64	3/4	3,770.19	3/4	3,459.02	3/4	2,802.30	3/4	2,470.27	3/4	2,138.19

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 12'-09" OFF CENTERLINE AND 37'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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BARGE "KIRBY 28022"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 3/8"

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	2,131.27	0	1,799.17	0	1,467.08	0	1,134.99	0	808.81	0	504.61	0	223.92	0		0		0	
1/4	2,124.35	1/4	1,792.26	1/4	1,460.16	1/4	1,128.07	1/4	802.23	1/4	498.51	1/4	218.31	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,117.43	1/2	1,785.34	1/2	1,453.24	1/2	1,121.15	1/2	795.67	1/2	492.44	1/2	212.72	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,110.51	3/4	1,778.42	3/4	1,446.33	3/4	1,114.23	3/4	789.14	3/4	486.38	3/4	207.16	3/4	3/4	3/4	3/4	3/4	3/4
1	2,103.59	1	1,771.50	1	1,439.41	1	1,107.31	1	782.60	1	480.32	1	201.59	1		1		1	
1/4	2,096.67	1/4	1,764.58	1/4	1,432.49	1/4	1,100.40	1/4	776.07	1/4	474.26	1/4	196.03	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,089.76	1/2	1,757.66	1/2	1,425.57	1/2	1,093.48	1/2	769.56	1/2	468.23	1/2	190.49	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,082.84	3/4	1,750.74	3/4	1,418.65	3/4	1,086.56	3/4	763.06	3/4	462.21	3/4	184.96	3/4	3/4	3/4	3/4	3/4	3/4
2	2,075.92	2	1,743.83	2	1,411.73	2	1,079.64	2	756.57	2	456.19	2	179.43	2		2		2	
1/4	2,069.00	1/4	1,736.91	1/4	1,404.81	1/4	1,072.73	1/4	750.07	1/4	450.17	1/4	173.90	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,062.08	1/2	1,729.99	1/2	1,397.90	1/2	1,065.81	1/2	743.59	1/2	444.18	1/2	168.40	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,055.16	3/4	1,723.07	3/4	1,390.98	3/4	1,058.90	3/4	737.12	3/4	438.20	3/4	162.92	3/4	3/4	3/4	3/4	3/4	3/4
3	2,048.24	3	1,716.15	3	1,384.06	3	1,051.99	3	730.65	3	432.23	3	157.44	3		3		3	
1/4	2,041.33	1/4	1,709.23	1/4	1,377.14	1/4	1,045.08	1/4	724.19	1/4	426.25	1/4	151.95	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,034.41	1/2	1,702.31	1/2	1,370.22	1/2	1,038.18	1/2	717.74	1/2	420.29	1/2	146.49	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,027.49	3/4	1,695.40	3/4	1,363.30	3/4	1,031.29	3/4	711.31	3/4	414.36	3/4	141.05	3/4	3/4	3/4	3/4	3/4	3/4
4	2,020.57	4	1,688.48	4	1,356.38	4	1,024.39	4	704.88	4	408.42	4	135.60	4		4		4	
1/4	2,013.65	1/4	1,681.56	1/4	1,349.47	1/4	1,017.50	1/4	698.45	1/4	402.49	1/4	130.15	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,006.73	1/2	1,674.64	1/2	1,342.55	1/2	1,010.62	1/2	692.05	1/2	396.57	1/2	124.73	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,999.81	3/4	1,667.72	3/4	1,335.63	3/4	1,003.75	3/4	685.66	3/4	390.68	3/4	119.33	3/4	3/4	3/4	3/4	3/4	3/4
5	1,992.89	5	1,660.80	5	1,328.71	5	996.88	5	679.27	5	384.79	5	113.94	5		5		5	
1/4	1,985.98	1/4	1,653.88	1/4	1,321.79	1/4	990.01	1/4	672.89	1/4	378.89	1/4	108.54	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,979.06	1/2	1,646.96	1/2	1,314.87	1/2	983.16	1/2	666.52	1/2	373.02	1/2	103.16	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,972.14	3/4	1,640.05	3/4	1,307.95	3/4	976.32	3/4	660.18	3/4	367.17	3/4	97.80	3/4	3/4	3/4	3/4	3/4	3/4
6	1,965.22	6	1,633.13	6	1,301.03	6	969.48	6	653.83	6	361.31	6	92.44	6		6		6	
1/4	1,958.30	1/4	1,626.21	1/4	1,294.12	1/4	962.64	1/4	647.48	1/4	355.46	1/4	87.08	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,951.38	1/2	1,619.29	1/2	1,287.20	1/2	955.84	1/2	641.16	1/2	349.62	1/2	81.74	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,944.46	3/4	1,612.37	3/4	1,280.28	3/4	949.06	3/4	634.85	3/4	343.81	3/4	76.42	3/4	3/4	3/4	3/4	3/4	3/4
7	1,937.55	7	1,605.45	7	1,273.36	7	942.27	7	628.55	7	338.00	7	71.11	7		7		7	
1/4	1,930.63	1/4	1,598.53	1/4	1,266.44	1/4	935.49	1/4	622.25	1/4	332.19	1/4	65.79	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,923.71	1/2	1,591.62	1/2	1,259.52	1/2	928.73	1/2	615.96	1/2	326.40	1/2	60.50	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,916.79	3/4	1,584.70	3/4	1,252.60	3/4	921.99	3/4	609.70	3/4	320.63	3/4	55.22	3/4	3/4	3/4	3/4	3/4	3/4
8	1,909.87	8	1,577.78	8	1,245.69	8	915.25	8	603.43	8	314.86	8	49.94	8		8		8	
1/4	1,902.95	1/4	1,570.86	1/4	1,238.77	1/4	908.51	1/4	597.17	1/4	309.09	1/4	44.67	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,896.03	1/2	1,563.94	1/2	1,231.85	1/2	901.79	1/2	590.93	1/2	303.33	1/2	39.84	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,889.12	3/4	1,557.02	3/4	1,224.93	3/4	895.09	3/4	584.71	3/4	297.61	3/4	35.48	3/4	3/4	3/4	3/4	3/4	3/4
9	1,882.20	9	1,550.10	9	1,218.01	9	888.39	9	578.48	9	291.88	9	31.11	9		9		9	
1/4	1,875.28	1/4	1,543.19	1/4	1,211.09	1/4	881.70	1/4	572.26	1/4	286.15	1/4	26.74	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,868.36	1/2	1,536.27	1/2	1,204.17	1/2	875.02	1/2	566.06	1/2	280.44	1/2	23.26	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,861.44	3/4	1,529.35	3/4	1,197.26	3/4	868.36	3/4	559.88	3/4	274.75	3/4	20.66	3/4	3/4	3/4	3/4	3/4	3/4
10	1,854.52	10	1,522.43	10	1,190.34	10	861.70	10	553.70	10	269.06	10	18.06	10		10		10	
1/4	1,847.60	1/4	1,515.51	1/4	1,183.42	1/4	855.04	1/4	547.51	1/4	263.37	1/4	15.46	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,840.69	1/2	1,508.59	1/2	1,176.50	1/2	848.40	1/2	541.35	1/2	257.70	1/2	14.16	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,833.77	3/4	1,501.67	3/4	1,169.58	3/4	841.79	3/4	535.21	3/4	252.05	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,826.85	11	1,494.76	11	1,162.66	11	835.17	11	529.07	11	246.41	11		11		11		11	
1/4	1,819.93	1/4	1,487.84	1/4	1,155.74	1/4	828.56	1/4	522.93	1/4	240.76	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,813.01	1/2	1,480.92	1/2	1,148.83	1/2	821.96	1/2	516.82	1/2	235.13	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,806.09	3/4	1,474.00	3/4	1,141.91	3/4	815.38	3/4	510.71	3/4	229.53	3/4		3/4	3/4	3/4	3/4	3/4	3/4

STRAPPED: 05/28/2002 CL - SW
VERIFIED: 06/01/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2023

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 28022"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 3/8"

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	4,359.12	0	4,058.83	0	3,762.06	0	3,450.62	0	3,125.62	0	2,793.61	0	2,461.58
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,353.93	1/4	4,052.81	1/4	3,755.71	1/4	3,443.99	1/4	3,118.71	1/4	2,786.69	1/4	2,454.66
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,347.88	1/2	4,046.76	1/2	3,749.35	1/2	3,437.35	1/2	3,111.80	1/2	2,779.77	1/2	2,447.74
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,340.96	3/4	4,040.71	3/4	3,742.99	3/4	3,430.71	3/4	3,104.88	3/4	2,772.85	3/4	2,440.82
1		1		1		1	4,334.04	1	4,034.65	1	3,736.62	1	3,424.06	1	3,097.97	1	2,765.94	1	2,433.90
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,327.12	1/4	4,028.59	1/4	3,730.25	1/4	3,417.41	1/4	3,091.05	1/4	2,759.02	1/4	2,426.99
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,320.20	1/2	4,022.53	1/2	3,723.87	1/2	3,410.75	1/2	3,084.13	1/2	2,752.10	1/2	2,420.07
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,313.28	3/4	4,016.45	3/4	3,717.48	3/4	3,404.07	3/4	3,077.22	3/4	2,745.19	3/4	2,413.15
2		2		2		2	4,306.37	2	4,010.38	2	3,711.09	2	3,397.40	2	3,070.30	2	2,738.27	2	2,406.23
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,299.45	1/4	4,004.30	1/4	3,704.70	1/4	3,390.72	1/4	3,063.38	1/4	2,731.35	1/4	2,399.31
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,292.53	1/2	3,998.22	1/2	3,698.30	1/2	3,384.03	1/2	3,056.46	1/2	2,724.43	1/2	2,392.39
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,285.61	3/4	3,992.12	3/4	3,691.88	3/4	3,377.34	3/4	3,049.55	3/4	2,717.52	3/4	2,385.47
3		3		3		3	4,278.69	3	3,986.02	3	3,685.46	3	3,370.64	3	3,042.63	3	2,710.60	3	2,378.56
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,271.77	1/4	3,979.93	1/4	3,679.05	1/4	3,363.94	1/4	3,035.71	1/4	2,703.68	1/4	2,371.64
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,264.85	1/2	3,973.81	1/2	3,672.62	1/2	3,357.24	1/2	3,028.79	1/2	2,696.76	1/2	2,364.72
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,257.94	3/4	3,967.69	3/4	3,666.18	3/4	3,350.52	3/4	3,021.88	3/4	2,689.85	3/4	2,357.80
4		4		4		4	4,251.02	4	3,961.56	4	3,659.74	4	3,343.80	4	3,014.96	4	2,682.93	4	2,350.88
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,244.10	1/4	3,955.44	1/4	3,653.30	1/4	3,337.08	1/4	3,008.04	1/4	2,676.01	1/4	2,343.96
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,237.69	1/2	3,949.30	1/2	3,646.86	1/2	3,330.35	1/2	3,001.13	1/2	2,669.10	1/2	2,337.04
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,231.79	3/4	3,943.16	3/4	3,640.40	3/4	3,323.61	3/4	2,994.21	3/4	2,662.18	3/4	2,330.13
5		5		5		5	4,225.88	5	3,937.01	5	3,633.94	5	3,316.86	5	2,987.29	5	2,655.26	5	2,323.21
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,219.98	1/4	3,930.87	1/4	3,627.48	1/4	3,310.12	1/4	2,980.37	1/4	2,648.34	1/4	2,316.29
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,214.07	1/2	3,924.71	1/2	3,621.00	1/2	3,303.36	1/2	2,973.46	1/2	2,641.43	1/2	2,309.37
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,208.15	3/4	3,918.54	3/4	3,614.52	3/4	3,296.59	3/4	2,966.54	3/4	2,634.51	3/4	2,302.45
6		6		6		6	4,202.23	6	3,912.38	6	3,608.03	6	3,289.83	6	2,959.62	6	2,627.59	6	2,295.53
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,196.30	1/4	3,906.21	1/4	3,601.54	1/4	3,283.06	1/4	2,952.70	1/4	2,620.67	1/4	2,288.61
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,190.37	1/2	3,900.03	1/2	3,595.05	1/2	3,276.28	1/2	2,945.79	1/2	2,613.76	1/2	2,281.70
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,184.43	3/4	3,893.84	3/4	3,588.54	3/4	3,269.48	3/4	2,938.87	3/4	2,606.84	3/4	2,274.78
7		7		7		7	4,178.48	7	3,887.64	7	3,582.03	7	3,262.69	7	2,931.95	7	2,599.92	7	2,267.86
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,172.54	1/4	3,881.45	1/4	3,575.52	1/4	3,255.89	1/4	2,925.04	1/4	2,593.00	1/4	2,260.94
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,166.58	1/2	3,875.24	1/2	3,569.00	1/2	3,249.08	1/2	2,918.12	1/2	2,586.09	1/2	2,254.02
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,160.61	3/4	3,869.03	3/4	3,562.47	3/4	3,242.27	3/4	2,911.20	3/4	2,579.17	3/4	2,247.10
8		8		8		8	4,154.64	8	3,862.81	8	3,555.94	8	3,235.45	8	2,904.28	8	2,572.25	8	2,240.18
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,148.67	1/4	3,856.60	1/4	3,549.41	1/4	3,228.64	1/4	2,897.37	1/4	2,565.34	1/4	2,233.27
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,142.70	1/2	3,850.35	1/2	3,542.87	1/2	3,221.81	1/2	2,890.45	1/2	2,558.42	1/2	2,226.35
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,136.75	3/4	3,844.08	3/4	3,536.32	3/4	3,214.98	3/4	2,883.53	3/4	2,551.50	3/4	2,219.43
9		9		9		9	4,130.79	9	3,837.81	9	3,529.76	9	3,208.14	9	2,876.61	9	2,544.58	9	2,212.51
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,124.83	1/4	3,831.54	1/4	3,523.20	1/4	3,201.31	1/4	2,869.70	1/4	2,537.67	1/4	2,205.59
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,118.86	1/2	3,825.25	1/2	3,516.64	1/2	3,194.45	1/2	2,862.78	1/2	2,530.75	1/2	2,198.67
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,112.88	3/4	3,818.96	3/4	3,510.06	3/4	3,187.59	3/4	2,855.86	3/4	2,523.83	3/4	2,191.75
10		10		10		10	4,106.90	10	3,812.66	10	3,503.48	10	3,180.72	10	2,848.94	10	2,516.91	10	2,184.84
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,100.92	1/4	3,806.36	1/4	3,496.90	1/4	3,173.86	1/4	2,842.03	1/4	2,510.00	1/4	2,177.92
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,094.93	1/2	3,800.05	1/2	3,490.31	1/2	3,166.98	1/2	2,835.11	1/2	2,503.08	1/2	2,171.00
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,088.92	3/4	3,793.73	3/4	3,483.70	3/4	3,160.10	3/4	2,828.19	3/4	2,496.16	3/4	2,164.08
11		11		11		11	4,082.91	11	3,787.41	11	3,477.09	11	3,153.21	11	2,821.28	11	2,489.25	11	2,157.16
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,076.91	1/4	3,781.09	1/4	3,470.49	1/4	3,146.33	1/4	2,814.36	1/4	2,482.33	1/4	2,150.24
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,070.89	1/2	3,774.76	1/2	3,463.87	1/2	3,139.43	1/2	2,807.44	1/2	2,475.41	1/2	2,143.32
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,064.86	3/4	3,768.41	3/4	3,457.24	3/4	3,132.53	3/4	2,800.52	3/4	2,468.49	3/4	2,136.41

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 12'-09" OFF CENTERLINE AND 37'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 28022"

**1 STBD
ULLAGE TABLE**

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 3/8"

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	2,129.49	0	1,797.39	0	1,465.30	0	1,133.21	0	808.16	0	504.60	0	223.91	0		0		0	
1/4	2,122.57	1/4	1,790.48	1/4	1,458.38	1/4	1,126.29	1/4	801.62	1/4	498.50	1/4	218.30	1/4		1/4		1/4	
1/2	2,115.65	1/2	1,783.56	1/2	1,451.46	1/2	1,119.37	1/2	795.11	1/2	492.43	1/2	212.72	1/2		1/2		1/2	
3/4	2,108.73	3/4	1,776.64	3/4	1,444.55	3/4	1,112.45	3/4	788.61	3/4	486.37	3/4	207.15	3/4		3/4		3/4	
1	2,101.81	1	1,769.72	1	1,437.63	1	1,105.53	1	782.11	1	480.31	1	201.59	1		1		1	
1/4	2,094.89	1/4	1,762.80	1/4	1,430.71	1/4	1,098.62	1/4	775.62	1/4	474.25	1/4	196.03	1/4		1/4		1/4	
1/2	2,087.97	1/2	1,755.88	1/2	1,423.79	1/2	1,091.70	1/2	769.14	1/2	468.22	1/2	190.48	1/2		1/2		1/2	
3/4	2,081.06	3/4	1,748.96	3/4	1,416.87	3/4	1,084.78	3/4	762.69	3/4	462.20	3/4	184.95	3/4		3/4		3/4	
2	2,074.14	2	1,742.04	2	1,409.95	2	1,077.86	2	756.23	2	456.18	2	179.43	2		2		2	
1/4	2,067.22	1/4	1,735.13	1/4	1,403.03	1/4	1,070.95	1/4	749.78	1/4	450.16	1/4	173.90	1/4		1/4		1/4	
1/2	2,060.30	1/2	1,728.21	1/2	1,396.11	1/2	1,064.03	1/2	743.33	1/2	444.17	1/2	168.40	1/2		1/2		1/2	
3/4	2,053.38	3/4	1,721.29	3/4	1,389.20	3/4	1,057.12	3/4	736.90	3/4	438.19	3/4	162.91	3/4		3/4		3/4	
3	2,046.46	3	1,714.37	3	1,382.28	3	1,050.21	3	730.47	3	432.22	3	157.43	3		3		3	
1/4	2,039.54	1/4	1,707.45	1/4	1,375.36	1/4	1,043.30	1/4	724.04	1/4	426.24	1/4	151.95	1/4		1/4		1/4	
1/2	2,032.63	1/2	1,700.53	1/2	1,368.44	1/2	1,036.40	1/2	717.62	1/2	420.29	1/2	146.49	1/2		1/2		1/2	
3/4	2,025.71	3/4	1,693.61	3/4	1,361.52	3/4	1,029.51	3/4	711.22	3/4	414.35	3/4	141.04	3/4		3/4		3/4	
4	2,018.79	4	1,686.70	4	1,354.60	4	1,022.61	4	704.82	4	408.41	4	135.60	4		4		4	
1/4	2,011.87	1/4	1,679.78	1/4	1,347.68	1/4	1,015.72	1/4	698.43	1/4	402.48	1/4	130.15	1/4		1/4		1/4	
1/2	2,004.95	1/2	1,672.86	1/2	1,340.77	1/2	1,008.85	1/2	692.03	1/2	396.56	1/2	124.73	1/2		1/2		1/2	
3/4	1,998.03	3/4	1,665.94	3/4	1,333.85	3/4	1,002.01	3/4	685.65	3/4	390.67	3/4	119.33	3/4		3/4		3/4	
5	1,991.11	5	1,659.02	5	1,326.93	5	995.17	5	679.26	5	384.78	5	113.93	5		5		5	
1/4	1,984.20	1/4	1,652.10	1/4	1,320.01	1/4	988.33	1/4	672.88	1/4	378.89	1/4	108.53	1/4		1/4		1/4	
1/2	1,977.28	1/2	1,645.18	1/2	1,313.09	1/2	981.51	1/2	666.51	1/2	373.01	1/2	103.15	1/2		1/2		1/2	
3/4	1,970.36	3/4	1,638.27	3/4	1,306.17	3/4	974.71	3/4	660.16	3/4	367.16	3/4	97.79	3/4		3/4		3/4	
6	1,963.44	6	1,631.35	6	1,299.25	6	967.91	6	653.82	6	361.30	6	92.43	6		6		6	
1/4	1,956.52	1/4	1,624.43	1/4	1,292.34	1/4	961.11	1/4	647.47	1/4	355.45	1/4	87.07	1/4		1/4		1/4	
1/2	1,949.60	1/2	1,617.51	1/2	1,285.42	1/2	954.34	1/2	641.15	1/2	349.62	1/2	81.74	1/2		1/2		1/2	
3/4	1,942.68	3/4	1,610.59	3/4	1,278.50	3/4	947.60	3/4	634.84	3/4	343.81	3/4	76.42	3/4		3/4		3/4	
7	1,935.77	7	1,603.67	7	1,271.58	7	940.85	7	628.54	7	338.00	7	71.11	7		7		7	
1/4	1,928.85	1/4	1,596.75	1/4	1,264.66	1/4	934.11	1/4	622.23	1/4	332.19	1/4	65.79	1/4		1/4		1/4	
1/2	1,921.93	1/2	1,589.84	1/2	1,257.74	1/2	927.39	1/2	615.95	1/2	326.39	1/2	60.50	1/2		1/2		1/2	
3/4	1,915.01	3/4	1,582.92	3/4	1,250.82	3/4	920.69	3/4	609.69	3/4	320.62	3/4	55.22	3/4		3/4		3/4	
8	1,908.09	8	1,576.00	8	1,243.91	8	913.99	8	603.42	8	314.85	8	49.94	8		8		8	
1/4	1,901.17	1/4	1,569.08	1/4	1,236.99	1/4	907.29	1/4	597.16	1/4	309.08	1/4	44.66	1/4		1/4		1/4	
1/2	1,894.25	1/2	1,562.16	1/2	1,230.07	1/2	900.60	1/2	590.92	1/2	303.33	1/2	39.84	1/2		1/2		1/2	
3/4	1,887.34	3/4	1,555.24	3/4	1,223.15	3/4	893.95	3/4	584.69	3/4	297.60	3/4	35.48	3/4		3/4		3/4	
9	1,880.42	9	1,548.32	9	1,216.23	9	887.29	9	578.47	9	291.87	9	31.11	9		9		9	
1/4	1,873.50	1/4	1,541.41	1/4	1,209.31	1/4	880.63	1/4	572.25	1/4	286.14	1/4	26.74	1/4		1/4		1/4	
1/2	1,866.58	1/2	1,534.49	1/2	1,202.39	1/2	873.99	1/2	566.05	1/2	280.43	1/2	23.26	1/2		1/2		1/2	
3/4	1,859.66	3/4	1,527.57	3/4	1,195.48	3/4	867.37	3/4	559.87	3/4	274.74	3/4	20.66	3/4		3/4		3/4	
10	1,852.74	10	1,520.65	10	1,188.56	10	860.75	10	553.69	10	269.05	10	18.06	10		10		10	
1/4	1,845.82	1/4	1,513.73	1/4	1,181.64	1/4	854.13	1/4	547.50	1/4	263.36	1/4	15.46	1/4		1/4		1/4	
1/2	1,838.91	1/2	1,506.81	1/2	1,174.72	1/2	847.53	1/2	541.34	1/2	257.69	1/2	14.16	1/2		1/2		1/2	
3/4	1,831.99	3/4	1,499.89	3/4	1,167.80	3/4	840.95	3/4	535.20	3/4	252.05	3/4		3/4		3/4		3/4	
11	1,825.07	11	1,492.98	11	1,160.88	11	834.37	11	529.06	11	246.40	11		11		11		11	
1/4	1,818.15	1/4	1,486.06	1/4	1,153.96	1/4	827.80	1/4	522.92	1/4	240.76	1/4		1/4		1/4		1/4	
1/2	1,811.23	1/2	1,479.14	1/2	1,147.05	1/2	821.24	1/2	516.81	1/2	235.13	1/2		1/2		1/2		1/2	
3/4	1,804.31	3/4	1,472.22	3/4	1,140.13	3/4	814.70	3/4	510.71	3/4	229.52	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/28/2002 CL - SW
VERIFIED: 06/01/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2023

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



BARGE "KIRBY 28022"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 3/8"

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	5,267.94	0	4,917.37	0	4,571.55	0	4,207.54	0	3,827.67	0	3,439.61	0	3,051.53
1/4		1/4		1/4		1/4	5,261.88	1/4	4,910.36	1/4	4,564.13	1/4	4,199.79	1/4	3,819.60	1/4	3,431.53	1/4	3,043.44
1/2		1/2		1/2		1/2	5,254.80	1/2	4,903.33	1/2	4,556.70	1/2	4,192.03	1/2	3,811.53	1/2	3,423.44	1/2	3,035.36
3/4		3/4		3/4		3/4	5,246.72	3/4	4,896.28	3/4	4,549.26	3/4	4,184.26	3/4	3,803.44	3/4	3,415.36	3/4	3,027.28
1		1		1		1	5,238.63	1	4,889.23	1	4,541.81	1	4,176.49	1	3,795.36	1	3,407.27	1	3,019.19
1/4		1/4		1/4		1/4	5,230.54	1/4	4,882.19	1/4	4,534.37	1/4	4,168.72	1/4	3,787.27	1/4	3,399.19	1/4	3,011.10
1/2		1/2		1/2		1/2	5,222.45	1/2	4,875.13	1/2	4,526.92	1/2	4,160.94	1/2	3,779.19	1/2	3,391.10	1/2	3,003.01
3/4		3/4		3/4		3/4	5,214.37	3/4	4,868.06	3/4	4,519.45	3/4	4,153.13	3/4	3,771.10	3/4	3,383.02	3/4	2,994.93
2		2		2		2	5,206.28	2	4,860.99	2	4,511.98	2	4,145.33	2	3,763.01	2	3,374.93	2	2,986.84
1/4		1/4		1/4		1/4	5,198.19	1/4	4,853.92	1/4	4,504.51	1/4	4,137.53	1/4	3,754.93	1/4	3,366.84	1/4	2,978.75
1/2		1/2		1/2		1/2	5,190.10	1/2	4,846.84	1/2	4,497.03	1/2	4,129.71	1/2	3,746.84	1/2	3,358.76	1/2	2,970.66
3/4		3/4		3/4		3/4	5,182.01	3/4	4,839.74	3/4	4,489.53	3/4	4,121.88	3/4	3,738.76	3/4	3,350.67	3/4	2,962.58
3		3		3		3	5,173.93	3	4,832.65	3	4,482.02	3	4,114.06	3	3,730.67	3	3,342.59	3	2,954.49
1/4		1/4		1/4		1/4	5,165.84	1/4	4,825.55	1/4	4,474.52	1/4	4,106.23	1/4	3,722.59	1/4	3,334.50	1/4	2,946.40
1/2		1/2		1/2		1/2	5,157.75	1/2	4,818.44	1/2	4,467.01	1/2	4,098.39	1/2	3,714.50	1/2	3,326.42	1/2	2,938.31
3/4		3/4		3/4		3/4	5,149.66	3/4	4,811.31	3/4	4,459.49	3/4	4,090.54	3/4	3,706.42	3/4	3,318.33	3/4	2,930.23
4		4		4		4	5,141.58	4	4,804.18	4	4,451.96	4	4,082.69	4	3,698.33	4	3,310.25	4	2,922.14
1/4		1/4		1/4		1/4	5,133.49	1/4	4,797.06	1/4	4,444.44	1/4	4,074.83	1/4	3,690.25	1/4	3,302.16	1/4	2,914.05
1/2		1/2		1/2		1/2	5,126.00	1/2	4,789.92	1/2	4,436.90	1/2	4,066.97	1/2	3,682.16	1/2	3,294.08	1/2	2,905.96
3/4		3/4		3/4		3/4	5,119.10	3/4	4,782.76	3/4	4,429.35	3/4	4,059.08	3/4	3,674.08	3/4	3,285.99	3/4	2,897.88
5		5		5		5	5,112.20	5	4,775.61	5	4,421.80	5	4,051.20	5	3,665.99	5	3,277.91	5	2,889.79
1/4		1/4		1/4		1/4	5,105.30	1/4	4,768.46	1/4	4,414.25	1/4	4,043.32	1/4	3,657.91	1/4	3,269.82	1/4	2,881.70
1/2		1/2		1/2		1/2	5,098.39	1/2	4,761.30	1/2	4,406.68	1/2	4,035.42	1/2	3,649.82	1/2	3,261.74	1/2	2,873.61
3/4		3/4		3/4		3/4	5,091.46	3/4	4,754.12	3/4	4,399.10	3/4	4,027.51	3/4	3,641.74	3/4	3,253.65	3/4	2,865.53
6		6		6		6	5,084.54	6	4,746.94	6	4,391.52	6	4,019.60	6	3,633.65	6	3,245.57	6	2,857.44
1/4		1/4		1/4		1/4	5,077.62	1/4	4,739.77	1/4	4,383.94	1/4	4,011.69	1/4	3,625.57	1/4	3,237.48	1/4	2,849.35
1/2		1/2		1/2		1/2	5,070.68	1/2	4,732.57	1/2	4,376.34	1/2	4,003.77	1/2	3,617.48	1/2	3,229.40	1/2	2,841.26
3/4		3/4		3/4		3/4	5,063.73	3/4	4,725.37	3/4	4,368.74	3/4	3,995.82	3/4	3,609.40	3/4	3,221.31	3/4	2,833.17
7		7		7		7	5,056.79	7	4,718.16	7	4,361.13	7	3,987.88	7	3,601.31	7	3,213.23	7	2,825.09
1/4		1/4		1/4		1/4	5,049.84	1/4	4,710.95	1/4	4,353.52	1/4	3,979.93	1/4	3,593.23	1/4	3,205.14	1/4	2,817.00
1/2		1/2		1/2		1/2	5,042.87	1/2	4,703.73	1/2	4,345.90	1/2	3,971.98	1/2	3,585.14	1/2	3,197.06	1/2	2,808.91
3/4		3/4		3/4		3/4	5,035.89	3/4	4,696.49	3/4	4,338.27	3/4	3,964.02	3/4	3,577.06	3/4	3,188.97	3/4	2,800.82
8		8		8		8	5,028.91	8	4,689.26	8	4,330.64	8	3,956.05	8	3,568.97	8	3,180.89	8	2,792.74
1/4		1/4		1/4		1/4	5,021.93	1/4	4,682.03	1/4	4,323.01	1/4	3,948.09	1/4	3,560.89	1/4	3,172.80	1/4	2,784.65
1/2		1/2		1/2		1/2	5,014.98	1/2	4,674.75	1/2	4,315.36	1/2	3,940.11	1/2	3,552.80	1/2	3,164.72	1/2	2,776.56
3/4		3/4		3/4		3/4	5,008.04	3/4	4,667.42	3/4	4,307.70	3/4	3,932.12	3/4	3,544.72	3/4	3,156.63	3/4	2,768.47
9		9		9		9	5,001.11	9	4,660.09	9	4,300.04	9	3,924.13	9	3,536.63	9	3,148.55	9	2,760.39
1/4		1/4		1/4		1/4	4,994.18	1/4	4,652.76	1/4	4,292.37	1/4	3,916.14	1/4	3,528.55	1/4	3,140.46	1/4	2,752.30
1/2		1/2		1/2		1/2	4,987.23	1/2	4,645.41	1/2	4,284.70	1/2	3,908.13	1/2	3,520.46	1/2	3,132.38	1/2	2,744.21
3/4		3/4		3/4		3/4	4,980.27	3/4	4,638.05	3/4	4,277.01	3/4	3,900.10	3/4	3,512.38	3/4	3,124.29	3/4	2,736.12
10		10		10		10	4,973.31	10	4,630.69	10	4,269.32	10	3,892.08	10	3,504.29	10	3,116.21	10	2,728.04
1/4		1/4		1/4		1/4	4,966.35	1/4	4,623.33	1/4	4,261.63	1/4	3,884.05	1/4	3,496.21	1/4	3,108.12	1/4	2,719.95
1/2		1/2		1/2		1/2	4,959.38	1/2	4,615.96	1/2	4,253.93	1/2	3,876.02	1/2	3,488.12	1/2	3,100.04	1/2	2,711.86
3/4		3/4		3/4		3/4	4,952.39	3/4	4,608.57	3/4	4,246.20	3/4	3,867.97	3/4	3,480.04	3/4	3,091.95	3/4	2,703.77
11		11		11		11	4,945.40	11	4,601.18	11	4,238.48	11	3,859.92	11	3,471.95	11	3,083.87	11	2,695.69
1/4		1/4		1/4		1/4	4,938.41	1/4	4,593.80	1/4	4,230.76	1/4	3,851.88	1/4	3,463.87	1/4	3,075.78	1/4	2,687.60
1/2		1/2		1/2		1/2	4,931.41	1/2	4,586.39	1/2	4,223.02	1/2	3,843.82	1/2	3,455.78	1/2	3,067.70	1/2	2,679.51
3/4		3/4		3/4		3/4	5,270.98	3/4	4,924.39	3/4	4,578.97	3/4	4,215.28	3/4	3,835.75	3/4	3,447.70	3/4	3,059.61

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 12'-09" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 28022"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 3/8"

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	2,663.34	0	2,275.13	0	1,886.93	0	1,498.72	0	1,110.52	0	722.81	0	335.21	0		0		0	
1/4	2,655.25	1/4	2,267.04	1/4	1,878.84	1/4	1,490.63	1/4	1,102.43	1/4	714.75	1/4	327.13	1/4	1/4	1/4		1/4	
1/2	2,647.16	1/2	2,258.96	1/2	1,870.75	1/2	1,482.55	1/2	1,094.34	1/2	706.69	1/2	319.05	1/2	1/2	1/2		1/2	
3/4	2,639.07	3/4	2,250.87	3/4	1,862.66	3/4	1,474.46	3/4	1,086.25	3/4	698.62	3/4	310.97	3/4	3/4	3/4		3/4	
1	2,630.98	1	2,242.78	1	1,854.58	1	1,466.37	1	1,078.17	1	690.56	1	302.89	1	1	1		1	
1/4	2,622.90	1/4	2,234.69	1/4	1,846.49	1/4	1,458.28	1/4	1,070.08	1/4	682.50	1/4	294.81	1/4	1/4	1/4		1/4	
1/2	2,614.81	1/2	2,226.60	1/2	1,838.40	1/2	1,450.20	1/2	1,061.99	1/2	674.43	1/2	286.73	1/2	1/2	1/2		1/2	
3/4	2,606.72	3/4	2,218.52	3/4	1,830.31	3/4	1,442.11	3/4	1,053.90	3/4	666.37	3/4	278.66	3/4	3/4	3/4		3/4	
2	2,598.63	2	2,210.43	2	1,822.22	2	1,434.02	2	1,045.82	2	658.31	2	270.58	2	2	2		2	
1/4	2,590.55	1/4	2,202.34	1/4	1,814.14	1/4	1,425.93	1/4	1,037.73	1/4	650.25	1/4	262.50	1/4	1/4	1/4		1/4	
1/2	2,582.46	1/2	2,194.25	1/2	1,806.05	1/2	1,417.84	1/2	1,029.64	1/2	642.18	1/2	254.42	1/2	1/2	1/2		1/2	
3/4	2,574.37	3/4	2,186.17	3/4	1,797.96	3/4	1,409.76	3/4	1,021.55	3/4	634.11	3/4	246.34	3/4	3/4	3/4		3/4	
3	2,566.28	3	2,178.08	3	1,789.87	3	1,401.67	3	1,013.46	3	626.04	3	238.26	3	3	3		3	
1/4	2,558.20	1/4	2,169.99	1/4	1,781.79	1/4	1,393.58	1/4	1,005.38	1/4	617.96	1/4	230.18	1/4	1/4	1/4		1/4	
1/2	2,550.11	1/2	2,161.90	1/2	1,773.70	1/2	1,385.49	1/2	997.29	1/2	609.89	1/2	222.10	1/2	1/2	1/2		1/2	
3/4	2,542.02	3/4	2,153.82	3/4	1,765.61	3/4	1,377.41	3/4	989.20	3/4	601.81	3/4	214.02	3/4	3/4	3/4		3/4	
4	2,533.93	4	2,145.73	4	1,757.52	4	1,369.32	4	981.11	4	593.73	4	205.95	4	4	4		4	
1/4	2,525.85	1/4	2,137.64	1/4	1,749.44	1/4	1,361.23	1/4	973.03	1/4	585.65	1/4	197.87	1/4	1/4	1/4		1/4	
1/2	2,517.76	1/2	2,129.55	1/2	1,741.35	1/2	1,353.14	1/2	964.94	1/2	577.58	1/2	189.79	1/2	1/2	1/2		1/2	
3/4	2,509.67	3/4	2,121.47	3/4	1,733.26	3/4	1,345.06	3/4	956.85	3/4	569.50	3/4	181.71	3/4	3/4	3/4		3/4	
5	2,501.58	5	2,113.38	5	1,725.17	5	1,336.97	5	948.76	5	561.42	5	173.63	5	5	5		5	
1/4	2,493.50	1/4	2,105.29	1/4	1,717.09	1/4	1,328.88	1/4	940.68	1/4	553.34	1/4	165.55	1/4	1/4	1/4		1/4	
1/2	2,485.41	1/2	2,097.20	1/2	1,709.00	1/2	1,320.79	1/2	932.59	1/2	545.26	1/2	157.47	1/2	1/2	1/2		1/2	
3/4	2,477.32	3/4	2,089.12	3/4	1,700.91	3/4	1,312.71	3/4	924.50	3/4	537.18	3/4	149.39	3/4	3/4	3/4		3/4	
6	2,469.23	6	2,081.03	6	1,692.82	6	1,304.62	6	916.41	6	529.10	6	141.31	6	6	6		6	
1/4	2,461.15	1/4	2,072.94	1/4	1,684.74	1/4	1,296.53	1/4	908.33	1/4	521.02	1/4	133.24	1/4	1/4	1/4		1/4	
1/2	2,453.06	1/2	2,064.85	1/2	1,676.65	1/2	1,288.44	1/2	900.24	1/2	512.94	1/2	125.16	1/2	1/2	1/2		1/2	
3/4	2,444.97	3/4	2,056.77	3/4	1,668.56	3/4	1,280.36	3/4	892.17	3/4	504.86	3/4	117.08	3/4	3/4	3/4		3/4	
7	2,436.88	7	2,048.68	7	1,660.47	7	1,272.27	7	884.09	7	496.79	7	109.00	7	7	7		7	
1/4	2,428.79	1/4	2,040.59	1/4	1,652.39	1/4	1,264.18	1/4	876.02	1/4	488.71	1/4	100.92	1/4	1/4	1/4		1/4	
1/2	2,420.71	1/2	2,032.50	1/2	1,644.30	1/2	1,256.09	1/2	867.95	1/2	480.63	1/2	92.84	1/2	1/2	1/2		1/2	
3/4	2,412.62	3/4	2,024.41	3/4	1,636.21	3/4	1,248.01	3/4	859.89	3/4	472.55	3/4	84.76	3/4	3/4	3/4		3/4	
8	2,404.53	8	2,016.33	8	1,628.12	8	1,239.92	8	851.82	8	464.47	8	76.68	8	8	8		8	
1/4	2,396.44	1/4	2,008.24	1/4	1,620.03	1/4	1,231.83	1/4	843.76	1/4	456.39	1/4	68.60	1/4	1/4	1/4		1/4	
1/2	2,388.36	1/2	2,000.15	1/2	1,611.95	1/2	1,223.74	1/2	835.70	1/2	448.31	1/2	61.03	1/2	1/2	1/2		1/2	
3/4	2,380.27	3/4	1,992.06	3/4	1,603.86	3/4	1,215.65	3/4	827.63	3/4	440.23	3/4	53.96	3/4	3/4	3/4		3/4	
9	2,372.18	9	1,983.98	9	1,595.77	9	1,207.57	9	819.57	9	432.15	9	46.89	9	9	9		9	
1/4	2,364.09	1/4	1,975.89	1/4	1,587.68	1/4	1,199.48	1/4	811.51	1/4	424.08	1/4	39.82	1/4	1/4	1/4		1/4	
1/2	2,356.01	1/2	1,967.80	1/2	1,579.60	1/2	1,191.39	1/2	803.44	1/2	416.00	1/2	33.77	1/2	1/2	1/2		1/2	
3/4	2,347.92	3/4	1,959.71	3/4	1,571.51	3/4	1,183.30	3/4	795.38	3/4	407.92	3/4	28.72	3/4	3/4	3/4		3/4	
10	2,339.83	10	1,951.63	10	1,563.42	10	1,175.22	10	787.32	10	399.84	10	23.67	10	10	10		10	
1/4	2,331.74	1/4	1,943.54	1/4	1,555.33	1/4	1,167.13	1/4	779.25	1/4	391.76	1/4	18.63	1/4	1/4	1/4		1/4	
1/2	2,323.66	1/2	1,935.45	1/2	1,547.25	1/2	1,159.04	1/2	771.19	1/2	383.68	1/2	16.10	1/2	1/2	1/2		1/2	
3/4	2,315.57	3/4	1,927.36	3/4	1,539.16	3/4	1,150.95	3/4	763.13	3/4	375.60	3/4		3/4	3/4	3/4		3/4	
11	2,307.48	11	1,919.28	11	1,531.07	11	1,142.87	11	755.07	11	367.52	11		11	11	11		11	
1/4	2,299.39	1/4	1,911.19	1/4	1,522.98	1/4	1,134.78	1/4	747.00	1/4	359.44	1/4		1/4	1/4	1/4		1/4	
1/2	2,291.31	1/2	1,903.10	1/2	1,514.90	1/2	1,126.69	1/2	738.94	1/2	351.37	1/2		1/2	1/2	1/2		1/2	
3/4	2,283.22	3/4	1,895.01	3/4	1,506.81	3/4	1,118.60	3/4	730.88	3/4	343.29	3/4		3/4	3/4	3/4		3/4	

STRAPPED: 05/28/2002 CL - SW
VERIFIED: 06/01/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2023

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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P.O. Box 2092
Pearland, Texas 77588
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BARGE "KIRBY 28022"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 3/8"

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	5,255.66	0	4,904.98	0	4,559.04	0	4,194.90	0	3,814.92	0	3,426.74	0	3,038.53
1/4		1/4		1/4		1/4	5,249.60	1/4	4,897.96	1/4	4,551.61	1/4	4,187.16	1/4	3,806.85	1/4	3,418.65	1/4	3,030.44
1/2		1/2		1/2		1/2	5,242.52	1/2	4,890.92	1/2	4,544.18	1/2	4,179.40	1/2	3,798.77	1/2	3,412.36	1/2	3,022.36
3/4		3/4		3/4		3/4	5,234.43	3/4	4,883.87	3/4	4,536.73	3/4	4,171.62	3/4	3,790.68	3/4	3,402.47	3/4	3,014.27
1		1		1		1	5,226.34	1	4,876.82	1	4,529.29	1	4,163.85	1	3,782.60	1	3,394.39	1	3,006.18
1/4		1/4		1/4		1/4	5,218.25	1/4	4,869.78	1/4	4,521.84	1/4	4,156.08	1/4	3,774.51	1/4	3,386.30	1/4	2,998.09
1/2		1/2		1/2		1/2	5,210.16	1/2	4,862.71	1/2	4,514.39	1/2	4,148.29	1/2	3,766.42	1/2	3,378.21	1/2	2,990.00
3/4		3/4		3/4		3/4	5,202.07	3/4	4,855.64	3/4	4,506.92	3/4	4,140.48	3/4	3,758.33	3/4	3,370.12	3/4	2,981.91
2		2		2		2	5,193.98	2	4,848.57	2	4,499.44	2	4,132.68	2	3,750.25	2	3,362.04	2	2,973.82
1/4		1/4		1/4		1/4	5,185.89	1/4	4,841.50	1/4	4,491.97	1/4	4,124.87	1/4	3,742.16	1/4	3,353.95	1/4	2,965.73
1/2		1/2		1/2		1/2	5,177.80	1/2	4,834.41	1/2	4,484.49	1/2	4,117.05	1/2	3,734.07	1/2	3,345.86	1/2	2,957.64
3/4		3/4		3/4		3/4	5,169.71	3/4	4,827.32	3/4	4,476.98	3/4	4,109.22	3/4	3,725.98	3/4	3,337.77	3/4	2,949.55
3		3		3		3	5,161.62	3	4,820.22	3	4,469.48	3	4,101.40	3	3,717.89	3	3,329.69	3	2,941.46
1/4		1/4		1/4		1/4	5,153.53	1/4	4,813.12	1/4	4,461.98	1/4	4,093.57	1/4	3,709.81	1/4	3,321.60	1/4	2,933.37
1/2		1/2		1/2		1/2	5,145.44	1/2	4,806.01	1/2	4,454.46	1/2	4,085.72	1/2	3,701.72	1/2	3,313.51	1/2	2,925.28
3/4		3/4		3/4		3/4	5,137.35	3/4	4,798.88	3/4	4,446.93	3/4	4,077.87	3/4	3,693.63	3/4	3,305.42	3/4	2,917.19
4		4		4		4	5,129.26	4	4,791.75	4	4,439.41	4	4,070.01	4	3,685.54	4	3,297.33	4	2,909.10
1/4		1/4		1/4		1/4	5,121.17	1/4	4,784.62	1/4	4,431.88	1/4	4,062.16	1/4	3,677.46	1/4	3,289.25	1/4	2,901.01
1/2		1/2		1/2		1/2	5,113.67	1/2	4,777.47	1/2	4,424.34	1/2	4,054.29	1/2	3,669.37	1/2	3,281.16	1/2	2,892.92
3/4		3/4		3/4		3/4	5,106.77	3/4	4,770.32	3/4	4,416.79	3/4	4,046.40	3/4	3,661.28	3/4	3,273.07	3/4	2,884.83
5		5		5		5	5,099.87	5	4,763.17	5	4,409.23	5	4,038.52	5	3,653.19	5	3,264.98	5	2,876.74
1/4		1/4		1/4		1/4	5,092.97	1/4	4,756.01	1/4	4,401.68	1/4	4,030.63	1/4	3,645.11	1/4	3,256.90	1/4	2,868.65
1/2		1/2		1/2		1/2	5,086.05	1/2	4,748.85	1/2	4,394.11	1/2	4,022.73	1/2	3,637.02	1/2	3,248.81	1/2	2,860.56
3/4		3/4		3/4		3/4	5,079.13	3/4	4,741.67	3/4	4,386.53	3/4	4,014.82	3/4	3,628.93	3/4	3,240.72	3/4	2,852.47
6		6		6		6	5,072.20	6	4,734.49	6	4,378.95	6	4,006.91	6	3,620.84	6	3,232.63	6	2,844.38
1/4		1/4		1/4		1/4	5,065.28	1/4	4,727.31	1/4	4,371.36	1/4	3,999.00	1/4	3,612.75	1/4	3,224.55	1/4	2,836.29
1/2		1/2		1/2		1/2	5,058.34	1/2	4,720.11	1/2	4,363.77	1/2	3,991.07	1/2	3,604.67	1/2	3,216.46	1/2	2,828.20
3/4		3/4		3/4		3/4	5,051.39	3/4	4,712.90	3/4	4,356.16	3/4	3,983.12	3/4	3,596.58	3/4	3,208.37	3/4	2,820.11
7		7		7		7	5,044.44	7	4,705.69	7	4,348.55	7	3,975.18	7	3,588.49	7	3,200.28	7	2,812.02
1/4		1/4		1/4		1/4	5,037.49	1/4	4,698.48	1/4	4,340.94	1/4	3,967.23	1/4	3,580.40	1/4	3,192.19	1/4	2,803.93
1/2		1/2		1/2		1/2	5,030.52	1/2	4,691.26	1/2	4,333.32	1/2	3,959.27	1/2	3,572.32	1/2	3,184.11	1/2	2,795.84
3/4		3/4		3/4		3/4	5,023.54	3/4	4,684.02	3/4	4,325.68	3/4	3,951.31	3/4	3,564.23	3/4	3,176.02	3/4	2,787.75
8		8		8		8	5,016.56	8	4,676.79	8	4,318.05	8	3,943.34	8	3,556.14	8	3,167.93	8	2,779.66
1/4		1/4		1/4		1/4	5,009.57	1/4	4,669.55	1/4	4,310.41	1/4	3,935.37	1/4	3,548.05	1/4	3,159.84	1/4	2,771.57
1/2		1/2		1/2		1/2	5,002.61	1/2	4,662.27	1/2	4,302.76	1/2	3,927.39	1/2	3,539.97	1/2	3,151.76	1/2	2,763.48
3/4		3/4		3/4		3/4	4,995.68	3/4	4,654.93	3/4	4,295.10	3/4	3,919.40	3/4	3,531.88	3/4	3,143.67	3/4	2,755.39
9		9		9		9	4,988.74	9	4,647.60	9	4,287.43	9	3,911.41	9	3,523.79	9	3,135.58	9	2,747.30
1/4		1/4		1/4		1/4	4,981.81	1/4	4,640.27	1/4	4,279.77	1/4	3,903.41	1/4	3,515.70	1/4	3,127.49	1/4	2,739.21
1/2		1/2		1/2		1/2	4,974.86	1/2	4,632.92	1/2	4,272.09	1/2	3,895.40	1/2	3,507.61	1/2	3,119.40	1/2	2,731.12
3/4		3/4		3/4		3/4	4,967.89	3/4	4,625.56	3/4	4,264.40	3/4	3,887.38	3/4	3,499.53	3/4	3,111.32	3/4	2,723.03
10		10		10		10	4,960.93	10	4,618.19	10	4,256.71	10	3,879.35	10	3,491.44	10	3,103.23	10	2,714.94
1/4		1/4		1/4		1/4	4,953.97	1/4	4,610.83	1/4	4,249.02	1/4	3,871.32	1/4	3,483.35	1/4	3,095.14	1/4	2,706.85
1/2		1/2		1/2		1/2	4,946.99	1/2	4,603.45	1/2	4,241.31	1/2	3,863.28	1/2	3,475.26	1/2	3,087.05	1/2	2,698.76
3/4		3/4		3/4		3/4	4,940.00	3/4	4,596.07	3/4	4,233.58	3/4	3,855.23	3/4	3,467.18	3/4	3,078.97	3/4	2,690.67
11		11		11		11	4,933.01	11	4,588.68	11	4,225.86	11	3,847.18	11	3,459.09	11	3,070.88	11	2,682.58
1/4		1/4		1/4		1/4	4,926.02	1/4	4,581.29	1/4	4,218.13	1/4	3,839.13	1/4	3,451.00	1/4	3,062.79	1/4	2,674.49
1/2		1/2		1/2		1/2	4,919.01	1/2	4,573.88	1/2	4,210.40	1/2	3,831.07	1/2	3,442.91	1/2	3,054.70	1/2	2,666.40
3/4		3/4		3/4		3/4	5,258.70	3/4	4,911.99	3/4	4,566.46	3/4	4,202.65	3/4	3,823.00	3/4	3,434.83	3/4	3,046.62

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 12'-09" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 28022"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 3/8"

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	2,650.22	0	2,261.90	0	1,873.58	0	1,485.26	0	1,096.94	0	717.95	0	336.02	0		0		0	
1/4	2,642.13	1/4	2,253.81	1/4	1,865.49	1/4	1,477.17	1/4	1,088.85	1/4	710.19	1/4	327.93	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,634.04	1/2	2,245.72	1/2	1,857.40	1/2	1,469.08	1/2	1,080.76	1/2	702.44	1/2	319.84	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,625.95	3/4	2,237.63	3/4	1,849.31	3/4	1,460.99	3/4	1,072.67	3/4	694.68	3/4	311.75	3/4	3/4	3/4	3/4	3/4	3/4
1	2,617.86	1	2,229.54	1	1,841.22	1	1,452.90	1	1,064.58	1	686.93	1	303.66	1	1	1	1	1	1
1/4	2,609.77	1/4	2,221.45	1/4	1,833.13	1/4	1,444.81	1/4	1,056.49	1/4	679.17	1/4	295.57	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,601.68	1/2	2,213.36	1/2	1,825.04	1/2	1,436.72	1/2	1,048.40	1/2	671.42	1/2	287.48	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,593.59	3/4	2,205.27	3/4	1,816.95	3/4	1,428.63	3/4	1,040.31	3/4	663.67	3/4	279.39	3/4	3/4	3/4	3/4	3/4	3/4
2	2,585.50	2	2,197.18	2	1,808.86	2	1,420.54	2	1,032.22	2	655.91	2	271.30	2	2	2	2	2	2
1/4	2,577.41	1/4	2,189.09	1/4	1,800.77	1/4	1,412.45	1/4	1,024.13	1/4	648.16	1/4	263.21	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,569.32	1/2	2,181.00	1/2	1,792.68	1/2	1,404.36	1/2	1,016.04	1/2	640.40	1/2	255.12	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,561.23	3/4	2,172.91	3/4	1,784.59	3/4	1,396.27	3/4	1,007.95	3/4	632.64	3/4	247.04	3/4	3/4	3/4	3/4	3/4	3/4
3	2,553.14	3	2,164.82	3	1,776.50	3	1,388.18	3	999.86	3	624.87	3	238.95	3	3	3	3	3	3
1/4	2,545.05	1/4	2,156.73	1/4	1,768.41	1/4	1,380.09	1/4	991.77	1/4	617.11	1/4	230.86	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,536.96	1/2	2,148.64	1/2	1,760.32	1/2	1,372.00	1/2	983.68	1/2	609.34	1/2	222.77	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,528.87	3/4	2,140.55	3/4	1,752.23	3/4	1,363.91	3/4	975.59	3/4	601.56	3/4	214.68	3/4	3/4	3/4	3/4	3/4	3/4
4	2,520.78	4	2,132.46	4	1,744.14	4	1,355.82	4	967.50	4	593.78	4	206.59	4	4	4	4	4	4
1/4	2,512.69	1/4	2,124.37	1/4	1,736.05	1/4	1,347.73	1/4	959.41	1/4	586.00	1/4	198.50	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,504.60	1/2	2,116.28	1/2	1,727.96	1/2	1,339.64	1/2	951.40	1/2	578.15	1/2	190.41	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,496.51	3/4	2,108.19	3/4	1,719.87	3/4	1,331.55	3/4	943.46	3/4	570.21	3/4	182.32	3/4	3/4	3/4	3/4	3/4	3/4
5	2,488.42	5	2,100.10	5	1,711.78	5	1,323.46	5	935.52	5	562.28	5	174.23	5	5	5	5	5	5
1/4	2,480.33	1/4	2,092.01	1/4	1,703.69	1/4	1,315.37	1/4	927.59	1/4	554.34	1/4	166.14	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,472.24	1/2	2,083.92	1/2	1,695.60	1/2	1,307.28	1/2	919.73	1/2	546.33	1/2	158.06	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,464.15	3/4	2,075.83	3/4	1,687.51	3/4	1,299.19	3/4	911.95	3/4	538.24	3/4	149.97	3/4	3/4	3/4	3/4	3/4	3/4
6	2,456.06	6	2,067.74	6	1,679.42	6	1,291.10	6	904.17	6	530.15	6	141.88	6	6	6	6	6	6
1/4	2,447.97	1/4	2,059.65	1/4	1,671.33	1/4	1,283.01	1/4	896.38	1/4	522.06	1/4	133.79	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,439.88	1/2	2,051.56	1/2	1,663.24	1/2	1,274.92	1/2	888.61	1/2	513.98	1/2	125.70	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,431.79	3/4	2,043.47	3/4	1,655.15	3/4	1,266.83	3/4	880.85	3/4	505.89	3/4	117.61	3/4	3/4	3/4	3/4	3/4	3/4
7	2,423.70	7	2,035.38	7	1,647.06	7	1,258.74	7	873.08	7	497.80	7	109.52	7	7	7	7	7	7
1/4	2,415.61	1/4	2,027.29	1/4	1,638.97	1/4	1,250.65	1/4	865.31	1/4	489.71	1/4	101.43	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,407.52	1/2	2,019.20	1/2	1,630.88	1/2	1,242.56	1/2	857.55	1/2	481.62	1/2	93.34	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,399.43	3/4	2,011.11	3/4	1,622.79	3/4	1,234.47	3/4	849.80	3/4	473.53	3/4	85.25	3/4	3/4	3/4	3/4	3/4	3/4
8	2,391.34	8	2,003.02	8	1,614.70	8	1,226.38	8	842.04	8	465.44	8	77.16	8	8	8	8	8	8
1/4	2,383.25	1/4	1,994.93	1/4	1,606.61	1/4	1,218.29	1/4	834.28	1/4	457.35	1/4	69.07	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,375.16	1/2	1,986.84	1/2	1,598.52	1/2	1,210.20	1/2	826.53	1/2	449.26	1/2	61.49	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,367.07	3/4	1,978.75	3/4	1,590.43	3/4	1,202.11	3/4	818.77	3/4	441.17	3/4	54.41	3/4	3/4	3/4	3/4	3/4	3/4
9	2,358.98	9	1,970.66	9	1,582.34	9	1,194.02	9	811.02	9	433.08	9	47.33	9	9	9	9	9	9
1/4	2,350.89	1/4	1,962.57	1/4	1,574.25	1/4	1,185.93	1/4	803.26	1/4	425.00	1/4	40.25	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,342.80	1/2	1,954.48	1/2	1,566.16	1/2	1,177.84	1/2	795.50	1/2	416.91	1/2	34.19	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,334.71	3/4	1,946.39	3/4	1,558.07	3/4	1,169.75	3/4	787.75	3/4	408.82	3/4	29.13	3/4	3/4	3/4	3/4	3/4	3/4
10	2,326.62	10	1,938.30	10	1,549.98	10	1,161.66	10	779.99	10	400.73	10	24.07	10	10	10	10	10	10
1/4	2,318.53	1/4	1,930.21	1/4	1,541.89	1/4	1,153.57	1/4	772.24	1/4	392.64	1/4	19.02	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,310.44	1/2	1,922.12	1/2	1,533.80	1/2	1,145.48	1/2	764.48	1/2	384.55	1/2	16.49	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,302.35	3/4	1,914.03	3/4	1,525.71	3/4	1,137.39	3/4	756.73	3/4	376.46	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	2,294.26	11	1,905.94	11	1,517.62	11	1,129.30	11	748.97	11	368.37	11		11	11	11	11	11	11
1/4	2,286.17	1/4	1,897.85	1/4	1,509.53	1/4	1,121.21	1/4	741.21	1/4	360.28	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,278.08	1/2	1,889.76	1/2	1,501.44	1/2	1,113.12	1/2	733.46	1/2	352.19	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,269.99	3/4	1,881.67	3/4	1,493.35	3/4	1,105.03	3/4	725.70	3/4	344.10	3/4		3/4	3/4	3/4	3/4	3/4	3/4

STRAPPED: 05/28/2002 CL - SW
VERIFIED: 06/01/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2023

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 28022"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

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 12'-09" OFF CENTERLINE AND 40'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 28022"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 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	2,481.21	0	2,120.25	0	1,759.29	0	1,398.33	0	1,037.62	0	677.22	0	316.27	0		0		0	
1/4	2,473.69	1/4	2,112.73	1/4	1,751.77	1/4	1,390.81	1/4	1,030.12	1/4	669.70	1/4	308.75	1/4	1/4	1/4		1/4	
1/2	2,466.17	1/2	2,105.21	1/2	1,744.25	1/2	1,383.29	1/2	1,022.63	1/2	662.18	1/2	301.23	1/2	1/2	1/2		1/2	
3/4	2,458.65	3/4	2,097.69	3/4	1,736.73	3/4	1,375.77	3/4	1,015.13	3/4	654.66	3/4	293.71	3/4	3/4	3/4		3/4	
1	2,451.13	1	2,090.17	1	1,729.21	1	1,368.25	1	1,007.64	1	647.14	1	286.19	1	1	1		1	
1/4	2,443.61	1/4	2,082.65	1/4	1,721.69	1/4	1,360.73	1/4	1,000.14	1/4	639.62	1/4	278.67	1/4	1/4	1/4		1/4	
1/2	2,436.09	1/2	2,075.13	1/2	1,714.17	1/2	1,353.21	1/2	992.65	1/2	632.10	1/2	271.15	1/2	1/2	1/2		1/2	
3/4	2,428.57	3/4	2,067.61	3/4	1,706.65	3/4	1,345.69	3/4	985.15	3/4	624.58	3/4	263.63	3/4	3/4	3/4		3/4	
2	2,421.05	2	2,060.09	2	1,699.13	2	1,338.17	2	977.66	2	617.06	2	256.12	2	2	2		2	
1/4	2,413.53	1/4	2,052.57	1/4	1,691.61	1/4	1,330.65	1/4	970.16	1/4	609.54	1/4	248.60	1/4	1/4	1/4		1/4	
1/2	2,406.01	1/2	2,045.05	1/2	1,684.09	1/2	1,323.13	1/2	962.67	1/2	602.02	1/2	241.08	1/2	1/2	1/2		1/2	
3/4	2,398.49	3/4	2,037.53	3/4	1,676.57	3/4	1,315.61	3/4	955.17	3/4	594.50	3/4	233.56	3/4	3/4	3/4		3/4	
3	2,390.97	3	2,030.01	3	1,669.05	3	1,308.09	3	947.68	3	586.98	3	226.04	3	3	3		3	
1/4	2,383.45	1/4	2,022.49	1/4	1,661.53	1/4	1,300.57	1/4	940.18	1/4	579.46	1/4	218.52	1/4	1/4	1/4		1/4	
1/2	2,375.93	1/2	2,014.97	1/2	1,654.01	1/2	1,293.05	1/2	932.69	1/2	571.94	1/2	211.00	1/2	1/2	1/2		1/2	
3/4	2,368.41	3/4	2,007.45	3/4	1,646.49	3/4	1,285.53	3/4	925.19	3/4	564.42	3/4	203.48	3/4	3/4	3/4		3/4	
4	2,360.89	4	1,999.93	4	1,638.97	4	1,278.01	4	917.70	4	556.90	4	195.96	4	4	4		4	
1/4	2,353.37	1/4	1,992.41	1/4	1,631.45	1/4	1,270.49	1/4	910.21	1/4	549.38	1/4	188.44	1/4	1/4	1/4		1/4	
1/2	2,345.85	1/2	1,984.89	1/2	1,623.93	1/2	1,262.97	1/2	902.71	1/2	541.86	1/2	180.92	1/2	1/2	1/2		1/2	
3/4	2,338.33	3/4	1,977.37	3/4	1,616.41	3/4	1,255.45	3/4	895.22	3/4	534.34	3/4	173.40	3/4	3/4	3/4		3/4	
5	2,330.81	5	1,969.85	5	1,608.89	5	1,247.93	5	887.72	5	526.82	5	165.88	5	5	5		5	
1/4	2,323.29	1/4	1,962.33	1/4	1,601.37	1/4	1,240.41	1/4	880.23	1/4	519.30	1/4	158.36	1/4	1/4	1/4		1/4	
1/2	2,315.77	1/2	1,954.81	1/2	1,593.85	1/2	1,232.89	1/2	872.73	1/2	511.79	1/2	150.84	1/2	1/2	1/2		1/2	
3/4	2,308.25	3/4	1,947.29	3/4	1,586.33	3/4	1,225.37	3/4	865.21	3/4	504.27	3/4	143.32	3/4	3/4	3/4		3/4	
6	2,300.73	6	1,939.77	6	1,578.81	6	1,217.85	6	857.69	6	496.75	6	135.80	6	6	6		6	
1/4	2,293.21	1/4	1,932.25	1/4	1,571.29	1/4	1,210.33	1/4	850.17	1/4	489.23	1/4	128.28	1/4	1/4	1/4		1/4	
1/2	2,285.69	1/2	1,924.73	1/2	1,563.77	1/2	1,202.81	1/2	842.65	1/2	481.71	1/2	120.76	1/2	1/2	1/2		1/2	
3/4	2,278.17	3/4	1,917.21	3/4	1,556.25	3/4	1,195.29	3/4	835.13	3/4	474.19	3/4	113.24	3/4	3/4	3/4		3/4	
7	2,270.65	7	1,909.69	7	1,548.73	7	1,187.77	7	827.61	7	466.67	7	105.72	7	7	7		7	
1/4	2,263.13	1/4	1,902.17	1/4	1,541.21	1/4	1,180.25	1/4	820.09	1/4	459.15	1/4	98.20	1/4	1/4	1/4		1/4	
1/2	2,255.61	1/2	1,894.65	1/2	1,533.69	1/2	1,172.73	1/2	812.57	1/2	451.63	1/2	90.68	1/2	1/2	1/2		1/2	
3/4	2,248.09	3/4	1,887.13	3/4	1,526.17	3/4	1,165.21	3/4	805.05	3/4	444.11	3/4	83.16	3/4	3/4	3/4		3/4	
8	2,240.57	8	1,879.61	8	1,518.65	8	1,157.69	8	797.53	8	436.59	8	75.64	8	8	8		8	
1/4	2,233.05	1/4	1,872.09	1/4	1,511.13	1/4	1,150.17	1/4	790.01	1/4	429.07	1/4	68.12	1/4	1/4	1/4		1/4	
1/2	2,225.53	1/2	1,864.57	1/2	1,503.61	1/2	1,142.65	1/2	782.49	1/2	421.55	1/2	60.60	1/2	1/2	1/2		1/2	
3/4	2,218.01	3/4	1,857.05	3/4	1,496.09	3/4	1,135.13	3/4	774.97	3/4	414.03	3/4	54.02	3/4	3/4	3/4		3/4	
9	2,210.49	9	1,849.53	9	1,488.57	9	1,127.61	9	767.45	9	406.51	9	47.44	9	9	9		9	
1/4	2,202.97	1/4	1,842.01	1/4	1,481.05	1/4	1,120.09	1/4	759.94	1/4	398.99	1/4	40.86	1/4	1/4	1/4		1/4	
1/2	2,195.45	1/2	1,834.49	1/2	1,473.53	1/2	1,112.57	1/2	752.42	1/2	391.47	1/2	34.28	1/2	1/2	1/2		1/2	
3/4	2,187.93	3/4	1,826.97	3/4	1,466.01	3/4	1,105.07	3/4	744.90	3/4	383.95	3/4	29.58	3/4	3/4	3/4		3/4	
10	2,180.41	10	1,819.45	10	1,458.49	10	1,097.58	10	737.38	10	376.43	10	24.88	10	10	10		10	
1/4	2,172.89	1/4	1,811.93	1/4	1,450.97	1/4	1,090.08	1/4	729.86	1/4	368.91	1/4	20.18	1/4	1/4	1/4		1/4	
1/2	2,165.37	1/2	1,804.41	1/2	1,443.45	1/2	1,082.59	1/2	722.34	1/2	361.39	1/2	15.48	1/2	1/2	1/2		1/2	
3/4	2,157.85	3/4	1,796.89	3/4	1,435.93	3/4	1,075.09	3/4	714.82	3/4	353.87	3/4		3/4	3/4	3/4		3/4	
11	2,150.33	11	1,789.37	11	1,428.41	11	1,067.60	11	707.30	11	346.35	11		11	11	11		11	
1/4	2,142.81	1/4	1,781.85	1/4	1,420.89	1/4	1,060.10	1/4	699.78	1/4	338.83	1/4		1/4	1/4	1/4		1/4	
1/2	2,135.29	1/2	1,774.33	1/2	1,413.37	1/2	1,052.61	1/2	692.26	1/2	331.31	1/2		1/2	1/2	1/2		1/2	
3/4	2,127.77	3/4	1,766.81	3/4	1,405.85	3/4	1,045.11	3/4	684.74	3/4	323.79	3/4		3/4	3/4	3/4		3/4	

STRAPPED: 05/28/2002 CL - SW
VERIFIED: 06/01/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2023

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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BARGE "KIRBY 28022"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 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	4,594.96	0	4,328.66	0	4,065.84	0	3,789.82	0	3,501.78	0	3,173.10	0	2,812.88
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,590.36	1/4	4,323.32	1/4	4,060.22	1/4	3,783.95	1/4	3,495.66	1/4	3,165.59	1/4	2,805.37
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,584.23	1/2	4,317.97	1/2	4,054.57	1/2	3,778.06	1/2	3,489.53	1/2	3,158.09	1/2	2,797.87
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,578.10	3/4	4,312.61	3/4	4,048.93	3/4	3,772.17	3/4	3,483.41	3/4	3,150.58	3/4	2,790.36
1		1		1		1	4,571.97	1	4,307.25	1	4,043.29	1	3,766.28	1	3,477.28	1	3,143.08	1	2,782.86
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,565.84	1/4	4,301.89	1/4	4,037.65	1/4	3,760.39	1/4	3,471.15	1/4	3,135.57	1/4	2,775.35
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,559.71	1/2	4,296.52	1/2	4,031.99	1/2	3,754.47	1/2	3,465.02	1/2	3,128.07	1/2	2,767.85
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,553.58	3/4	4,291.14	3/4	4,026.33	3/4	3,748.56	3/4	3,458.89	3/4	3,120.56	3/4	2,760.34
2		2		2		2	4,547.45	2	4,285.77	2	4,020.67	2	3,742.64	2	3,452.77	2	3,113.06	2	2,752.83
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,541.32	1/4	4,280.39	1/4	4,015.01	1/4	3,736.73	1/4	3,446.64	1/4	3,105.55	1/4	2,745.33
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,535.19	1/2	4,275.00	1/2	4,009.32	1/2	3,730.80	1/2	3,440.51	1/2	3,098.05	1/2	2,737.82
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,529.06	3/4	4,269.60	3/4	4,003.64	3/4	3,724.87	3/4	3,434.38	3/4	3,090.55	3/4	2,730.32
3		3		3		3	4,522.93	3	4,264.21	3	3,997.95	3	3,718.93	3	3,428.25	3	3,083.04	3	2,722.81
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,516.80	1/4	4,258.81	1/4	3,992.27	1/4	3,713.00	1/4	3,422.13	1/4	3,075.54	1/4	2,715.30
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,510.68	1/2	4,253.39	1/2	3,986.56	1/2	3,707.05	1/2	3,415.86	1/2	3,068.03	1/2	2,707.80
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,504.55	3/4	4,247.98	3/4	3,980.86	3/4	3,701.10	3/4	3,409.59	3/4	3,060.53	3/4	2,700.29
4		4		4		4	4,498.42	4	4,242.56	4	3,975.16	4	3,695.15	4	3,403.32	4	3,053.02	4	2,692.79
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,492.29	1/4	4,237.14	1/4	3,969.46	1/4	3,689.20	1/4	3,397.06	1/4	3,045.52	1/4	2,685.28
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,487.06	1/2	4,231.70	1/2	3,963.73	1/2	3,683.22	1/2	3,390.51	1/2	3,038.01	1/2	2,677.78
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,481.83	3/4	4,226.26	3/4	3,958.01	3/4	3,677.25	3/4	3,383.97	3/4	3,030.51	3/4	2,670.27
5		5		5		5	4,476.60	5	4,220.83	5	3,952.29	5	3,671.27	5	3,377.42	5	3,023.01	5	2,662.76
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,471.37	1/4	4,215.39	1/4	3,946.56	1/4	3,665.29	1/4	3,370.88	1/4	3,015.50	1/4	2,655.26
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,466.13	1/2	4,209.93	1/2	3,940.82	1/2	3,659.30	1/2	3,364.05	1/2	3,008.00	1/2	2,647.75
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,460.88	3/4	4,204.48	3/4	3,935.07	3/4	3,653.31	3/4	3,357.23	3/4	3,000.49	3/4	2,640.25
6		6		6		6	4,455.63	6	4,199.02	6	3,929.33	6	3,647.31	6	3,350.41	6	2,992.99	6	2,632.74
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,450.39	1/4	4,193.56	1/4	3,923.58	1/4	3,641.32	1/4	3,343.58	1/4	2,985.48	1/4	2,625.24
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,445.12	1/2	4,188.08	1/2	3,917.81	1/2	3,635.30	1/2	3,336.48	1/2	2,977.98	1/2	2,617.73
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,439.86	3/4	4,182.60	3/4	3,912.05	3/4	3,629.28	3/4	3,329.38	3/4	2,970.47	3/4	2,610.22
7		7		7		7	4,434.59	7	4,177.12	7	3,906.28	7	3,623.25	7	3,322.28	7	2,962.97	7	2,602.77
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,429.32	1/4	4,171.64	1/4	3,900.52	1/4	3,617.23	1/4	3,315.18	1/4	2,955.46	1/4	2,595.21
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,424.03	1/2	4,166.14	1/2	3,894.73	1/2	3,611.20	1/2	3,307.80	1/2	2,947.96	1/2	2,587.71
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,418.74	3/4	4,160.64	3/4	3,888.95	3/4	3,605.16	3/4	3,300.42	3/4	2,940.46	3/4	2,580.20
8		8		8		8	4,413.45	8	4,155.14	8	3,883.16	8	3,599.12	8	3,293.04	8	2,932.95	8	2,572.69
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,408.16	1/4	4,149.64	1/4	3,877.38	1/4	3,593.09	1/4	3,285.66	1/4	2,925.45	1/4	2,565.19
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,402.89	1/2	4,144.09	1/2	3,871.57	1/2	3,587.03	1/2	3,278.16	1/2	2,917.94	1/2	2,557.68
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,397.62	3/4	4,138.53	3/4	3,865.76	3/4	3,580.97	3/4	3,270.65	3/4	2,910.44	3/4	2,550.18
9		9		9		9	4,392.35	9	4,132.98	9	3,859.96	9	3,574.92	9	3,263.15	9	2,902.93	9	2,542.67
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,387.08	1/4	4,127.42	1/4	3,854.15	1/4	3,568.86	1/4	3,255.64	1/4	2,895.43	1/4	2,535.17
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,381.79	1/2	4,121.84	1/2	3,848.32	1/2	3,562.78	1/2	3,248.14	1/2	2,887.92	1/2	2,527.66
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,376.50	3/4	4,116.26	3/4	3,842.49	3/4	3,556.70	3/4	3,240.64	3/4	2,880.42	3/4	2,520.15
10		10		10		10	4,371.21	10	4,110.69	10	3,836.67	10	3,550.61	10	3,233.13	10	2,872.92	10	2,512.65
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,365.92	1/4	4,105.11	1/4	3,830.84	1/4	3,544.53	1/4	3,225.63	1/4	2,865.41	1/4	2,505.14
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,360.60	1/2	4,099.51	1/2	3,824.99	1/2	3,538.43	1/2	3,218.12	1/2	2,857.91	1/2	2,497.64
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,355.29	3/4	4,093.91	3/4	3,819.13	3/4	3,532.33	3/4	3,210.62	3/4	2,850.40	3/4	2,490.13
11		11		11		11	4,349.97	11	4,088.31	11	3,813.28	11	3,526.23	11	3,203.11	11	2,842.90	11	2,482.63
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,344.66	1/4	4,082.71	1/4	3,807.43	1/4	3,520.13	1/4	3,195.61	1/4	2,835.39	1/4	2,475.12
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,339.33	1/2	4,077.09	1/2	3,801.56	1/2	3,514.02	1/2	3,188.10	1/2	2,827.89	1/2	2,467.62
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,599.55	3/4	4,333.99	3/4	4,071.46	3/4	3,795.69	3/4	3,507.90	3/4	3,180.60	3/4	2,460.11

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 12'-09" OFF CENTERLINE AND 40'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 28022"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 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	2,452.61	0	2,092.39	0	1,735.16	0	1,374.90	0	1,018.34	0	665.30	0	308.58	0		0		0	
1/4	2,445.11	1/4	2,084.88	1/4	1,727.72	1/4	1,367.40	1/4	1,010.98	1/4	657.96	1/4	301.08	1/4		1/4		1/4	
1/2	2,437.61	1/2	2,077.44	1/2	1,720.21	1/2	1,359.89	1/2	1,003.62	1/2	650.62	1/2	293.57	1/2		1/2		1/2	
3/4	2,430.11	3/4	2,070.00	3/4	1,712.71	3/4	1,352.38	3/4	996.25	3/4	643.28	3/4	286.06	3/4		3/4		3/4	
1	2,422.60	1	2,062.56	1	1,705.20	1	1,344.88	1	988.89	1	635.95	1	278.55	1		1		1	
1/4	2,415.10	1/4	2,055.12	1/4	1,697.69	1/4	1,337.37	1/4	981.53	1/4	628.61	1/4	271.05	1/4		1/4		1/4	
1/2	2,407.60	1/2	2,047.68	1/2	1,690.19	1/2	1,329.86	1/2	974.16	1/2	621.27	1/2	263.54	1/2		1/2		1/2	
3/4	2,400.10	3/4	2,040.24	3/4	1,682.68	3/4	1,322.36	3/4	966.80	3/4	613.93	3/4	256.03	3/4		3/4		3/4	
2	2,392.60	2	2,032.80	2	1,675.17	2	1,314.85	2	959.44	2	606.59	2	248.52	2		2		2	
1/4	2,385.09	1/4	2,025.35	1/4	1,667.66	1/4	1,307.34	1/4	952.07	1/4	599.25	1/4	241.02	1/4		1/4		1/4	
1/2	2,377.59	1/2	2,017.91	1/2	1,660.16	1/2	1,299.84	1/2	944.71	1/2	591.91	1/2	233.51	1/2		1/2		1/2	
3/4	2,370.09	3/4	2,010.47	3/4	1,652.65	3/4	1,292.33	3/4	937.35	3/4	584.57	3/4	226.00	3/4		3/4		3/4	
3	2,362.59	3	2,003.03	3	1,645.14	3	1,284.82	3	929.98	3	577.24	3	218.49	3		3		3	
1/4	2,355.08	1/4	1,995.59	1/4	1,637.64	1/4	1,277.32	1/4	922.62	1/4	569.90	1/4	210.99	1/4		1/4		1/4	
1/2	2,347.58	1/2	1,988.15	1/2	1,630.13	1/2	1,269.81	1/2	915.26	1/2	562.55	1/2	203.47	1/2		1/2		1/2	
3/4	2,340.08	3/4	1,980.71	3/4	1,622.62	3/4	1,262.30	3/4	907.89	3/4	555.19	3/4	195.95	3/4		3/4		3/4	
4	2,332.58	4	1,973.27	4	1,615.12	4	1,254.80	4	900.53	4	547.84	4	188.43	4		4		4	
1/4	2,325.08	1/4	1,965.83	1/4	1,607.61	1/4	1,247.29	1/4	893.17	1/4	540.49	1/4	180.91	1/4		1/4		1/4	
1/2	2,317.57	1/2	1,958.39	1/2	1,600.10	1/2	1,239.78	1/2	885.80	1/2	533.12	1/2	173.39	1/2		1/2		1/2	
3/4	2,310.07	3/4	1,950.95	3/4	1,592.60	3/4	1,232.28	3/4	878.44	3/4	525.75	3/4	165.87	3/4		3/4		3/4	
5	2,302.57	5	1,943.50	5	1,585.09	5	1,224.77	5	871.08	5	518.39	5	158.35	5		5		5	
1/4	2,295.07	1/4	1,936.06	1/4	1,577.58	1/4	1,217.26	1/4	863.71	1/4	511.02	1/4	150.83	1/4		1/4		1/4	
1/2	2,287.56	1/2	1,928.62	1/2	1,570.08	1/2	1,209.89	1/2	856.34	1/2	503.58	1/2	143.31	1/2		1/2		1/2	
3/4	2,280.05	3/4	1,921.18	3/4	1,562.57	3/4	1,202.52	3/4	848.97	3/4	496.14	3/4	135.79	3/4		3/4		3/4	
6	2,272.55	6	1,913.74	6	1,555.06	6	1,195.15	6	841.60	6	488.70	6	128.27	6		6		6	
1/4	2,265.04	1/4	1,906.30	1/4	1,547.56	1/4	1,187.78	1/4	834.23	1/4	481.26	1/4	120.75	1/4		1/4		1/4	
1/2	2,257.53	1/2	1,898.86	1/2	1,540.05	1/2	1,180.41	1/2	826.87	1/2	473.75	1/2	113.23	1/2		1/2		1/2	
3/4	2,250.03	3/4	1,891.42	3/4	1,532.54	3/4	1,173.04	3/4	819.50	3/4	466.24	3/4	105.71	3/4		3/4		3/4	
7	2,242.52	7	1,883.98	7	1,525.04	7	1,165.67	7	812.13	7	458.74	7	98.19	7		7		7	
1/4	2,235.01	1/4	1,876.54	1/4	1,517.53	1/4	1,158.30	1/4	804.77	1/4	451.23	1/4	90.68	1/4		1/4		1/4	
1/2	2,227.51	1/2	1,869.10	1/2	1,510.02	1/2	1,150.93	1/2	797.42	1/2	443.72	1/2	83.16	1/2		1/2		1/2	
3/4	2,220.00	3/4	1,861.65	3/4	1,502.52	3/4	1,143.56	3/4	790.07	3/4	436.21	3/4	75.64	3/4		3/4		3/4	
8	2,212.49	8	1,854.21	8	1,495.01	8	1,136.19	8	782.72	8	428.71	8	68.12	8		8		8	
1/4	2,204.99	1/4	1,846.77	1/4	1,487.50	1/4	1,128.82	1/4	775.37	1/4	421.20	1/4	60.60	1/4		1/4		1/4	
1/2	2,197.48	1/2	1,839.33	1/2	1,480.00	1/2	1,121.45	1/2	768.03	1/2	413.69	1/2	54.02	1/2		1/2		1/2	
3/4	2,189.97	3/4	1,831.89	3/4	1,472.49	3/4	1,114.08	3/4	760.69	3/4	406.18	3/4	47.44	3/4		3/4		3/4	
9	2,182.47	9	1,824.45	9	1,464.98	9	1,106.71	9	753.36	9	398.68	9	40.86	9		9		9	
1/4	2,174.96	1/4	1,817.01	1/4	1,457.48	1/4	1,099.34	1/4	746.02	1/4	391.17	1/4	34.28	1/4		1/4		1/4	
1/2	2,167.45	1/2	1,809.57	1/2	1,449.97	1/2	1,091.97	1/2	738.68	1/2	383.66	1/2	29.58	1/2		1/2		1/2	
3/4	2,159.95	3/4	1,802.13	3/4	1,442.46	3/4	1,084.61	3/4	731.34	3/4	376.15	3/4	24.88	3/4		3/4		3/4	
10	2,152.44	10	1,794.69	10	1,434.96	10	1,077.25	10	724.01	10	368.65	10	20.18	10		10		10	
1/4	2,144.93	1/4	1,787.25	1/4	1,427.45	1/4	1,069.88	1/4	716.67	1/4	361.14	1/4	15.48	1/4		1/4		1/4	
1/2	2,137.43	1/2	1,779.80	1/2	1,419.94	1/2	1,062.52	1/2	709.33	1/2	353.63	1/2		1/2		1/2		1/2	
3/4	2,129.92	3/4	1,772.36	3/4	1,412.44	3/4	1,055.16	3/4	701.99	3/4	346.12	3/4		3/4		3/4		3/4	
11	2,122.41	11	1,764.92	11	1,404.93	11	1,047.80	11	694.65	11	338.61	11		11		11		11	
1/4	2,114.91	1/4	1,757.48	1/4	1,397.42	1/4	1,040.43	1/4	687.32	1/4	331.11	1/4		1/4		1/4		1/4	
1/2	2,107.40	1/2	1,750.04	1/2	1,389.92	1/2	1,033.07	1/2	679.98	1/2	323.60	1/2		1/2		1/2		1/2	
3/4	2,099.89	3/4	1,742.60	3/4	1,382.41	3/4	1,025.71	3/4	672.64	3/4	316.09	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/28/2002 CL - SW
VERIFIED: 06/01/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.
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