



# BARGE "KIRBY 28024"

## 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	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-3/4	00-3/4	- 00-7/8	00-7/8
1 STBD	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-3/4	00-3/4	- 00-7/8	00-7/8
2 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	- 00-3/4	00-3/4	- 00-7/8	00-7/8
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	- 00-3/4	00-3/4	- 00-7/8	00-7/8
3 PORT	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-3/4	00-3/4	- 00-7/8	00-7/8
3 STBD	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-3/4	00-3/4	- 00-7/8	00-7/8

(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 3'-11 3/4"

LENGTH BETWEEN DRAFT MARKS: 236'-06"

June 1, 2023

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

<http://www.pmacorp.net>



# BARGE "KIRBY 28024"

## 1 PORT 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	0	0	0	4,349.75	0	4,049.64	0	3,753.29	0	3,442.31	0	3,117.81	0	2,786.44	0	2,455.07		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,344.57	1/4	4,043.62	1/4	3,746.95	1/4	3,435.70	1/4	3,110.92	1/4	2,779.54	1/4	2,448.16		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,337.67	1/2	4,037.57	1/2	3,740.59	1/2	3,429.07	1/2	3,104.01	1/2	2,772.64	1/2	2,441.26		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,330.76	3/4	4,031.53	3/4	3,734.24	3/4	3,422.43	3/4	3,097.11	3/4	2,765.73	3/4	2,434.35		
1	1	1	1	1	1	1	4,323.86	1	4,025.49	1	3,727.88	1	3,415.80	1	3,090.21	1	2,758.83	1	2,427.45		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,316.95	1/4	4,019.44	1/4	3,721.53	1/4	3,409.16	1/4	3,083.30	1/4	2,751.93	1/4	2,420.54		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,310.05	1/2	4,013.38	1/2	3,715.15	1/2	3,402.50	1/2	3,076.40	1/2	2,745.02	1/2	2,413.64		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,303.14	3/4	4,007.31	3/4	3,708.77	3/4	3,395.84	3/4	3,069.50	3/4	2,738.12	3/4	2,406.73		
2	2	2	2	2	2	2	4,296.24	2	4,001.25	2	3,702.40	2	3,389.17	2	3,062.59	2	2,731.21	2	2,399.83		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,289.33	1/4	3,995.19	1/4	3,696.02	1/4	3,382.51	1/4	3,055.69	1/4	2,724.31	1/4	2,392.92		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,282.43	1/2	3,989.10	1/2	3,689.61	1/2	3,375.83	1/2	3,048.78	1/2	2,717.41	1/2	2,386.02		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,275.52	3/4	3,983.02	3/4	3,683.21	3/4	3,369.14	3/4	3,041.88	3/4	2,710.50	3/4	2,379.11		
3	3	3	3	3	3	3	4,268.62	3	3,976.93	3	3,676.80	3	3,362.46	3	3,034.98	3	2,703.60	3	2,372.21		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,261.71	1/4	3,970.85	1/4	3,670.40	1/4	3,355.78	1/4	3,028.07	1/4	2,696.70	1/4	2,365.30		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,254.81	1/2	3,964.73	1/2	3,663.97	1/2	3,349.07	1/2	3,021.17	1/2	2,689.79	1/2	2,358.40		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,247.90	3/4	3,958.62	3/4	3,657.55	3/4	3,342.37	3/4	3,014.27	3/4	2,682.89	3/4	2,351.49		
4	4	4	4	4	4	4	4,241.00	4	3,952.51	4	3,651.12	4	3,335.66	4	3,007.36	4	2,675.99	4	2,344.59		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,234.09	1/4	3,946.39	1/4	3,644.70	1/4	3,328.96	1/4	3,000.46	1/4	2,669.08	1/4	2,337.68		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,228.20	1/2	3,940.26	1/2	3,638.25	1/2	3,322.22	1/2	2,993.56	1/2	2,662.18	1/2	2,330.78		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,222.31	3/4	3,934.13	3/4	3,631.80	3/4	3,315.49	3/4	2,986.65	3/4	2,655.27	3/4	2,323.87		
5	5	5	5	5	5	5	4,216.42	5	3,927.99	5	3,625.36	5	3,308.76	5	2,979.75	5	2,648.37	5	2,316.97		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,210.53	1/4	3,921.86	1/4	3,618.91	1/4	3,302.03	1/4	2,972.84	1/4	2,641.47	1/4	2,310.06		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,204.62	1/2	3,915.71	1/2	3,612.44	1/2	3,295.28	1/2	2,965.94	1/2	2,634.56	1/2	2,303.16		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,198.71	3/4	3,909.55	3/4	3,605.96	3/4	3,288.52	3/4	2,959.04	3/4	2,627.66	3/4	2,296.25		
6	6	6	6	6	6	6	4,192.80	6	3,903.40	6	3,599.49	6	3,281.77	6	2,952.13	6	2,620.76	6	2,289.35		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,186.89	1/4	3,897.24	1/4	3,593.01	1/4	3,275.02	1/4	2,945.23	1/4	2,613.85	1/4	2,282.44		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,180.96	1/2	3,891.06	1/2	3,586.52	1/2	3,268.23	1/2	2,938.33	1/2	2,606.95	1/2	2,275.54		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,175.02	3/4	3,884.88	3/4	3,580.02	3/4	3,261.45	3/4	2,931.42	3/4	2,600.04	3/4	2,268.63		
7	7	7	7	7	7	7	4,169.09	7	3,878.70	7	3,573.53	7	3,254.67	7	2,924.52	7	2,593.14	7	2,261.73		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,163.16	1/4	3,872.51	1/4	3,567.03	1/4	3,247.88	1/4	2,917.61	1/4	2,586.24	1/4	2,254.82		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,157.20	1/2	3,866.31	1/2	3,560.52	1/2	3,241.08	1/2	2,910.71	1/2	2,579.33	1/2	2,247.92		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,151.24	3/4	3,860.11	3/4	3,554.00	3/4	3,234.28	3/4	2,903.81	3/4	2,572.43	3/4	2,241.01		
8	8	8	8	8	8	8	4,145.28	8	3,853.90	8	3,547.48	8	3,227.48	8	2,896.90	8	2,565.53	8	2,234.11		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,139.32	1/4	3,847.70	1/4	3,540.96	1/4	3,220.68	1/4	2,890.00	1/4	2,558.62	1/4	2,227.20		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,133.37	1/2	3,841.44	1/2	3,534.42	1/2	3,213.86	1/2	2,883.10	1/2	2,551.72	1/2	2,220.30		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,127.43	3/4	3,835.18	3/4	3,527.88	3/4	3,207.03	3/4	2,876.19	3/4	2,544.81	3/4	2,213.39		
9	9	9	9	9	9	9	4,121.48	9	3,828.92	9	3,521.34	9	3,200.21	9	2,869.29	9	2,537.91	9	2,206.49		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,115.54	1/4	3,822.66	1/4	3,514.79	1/4	3,193.39	1/4	2,862.39	1/4	2,531.01	1/4	2,199.58		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,109.57	1/2	3,816.38	1/2	3,508.23	1/2	3,186.53	1/2	2,855.48	1/2	2,524.10	1/2	2,192.68		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,103.60	3/4	3,810.09	3/4	3,501.66	3/4	3,179.68	3/4	2,848.58	3/4	2,517.20	3/4	2,185.77		
10	10	10	10	10	10	10	4,097.63	10	3,803.81	10	3,495.10	10	3,172.83	10	2,841.67	10	2,510.30	10	2,178.87		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,091.66	1/4	3,797.52	1/4	3,488.53	1/4	3,165.98	1/4	2,834.77	1/4	2,503.39	1/4	2,171.96		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,085.67	1/2	3,791.22	1/2	3,481.94	1/2	3,159.11	1/2	2,827.87	1/2	2,496.49	1/2	2,165.06		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,079.67	3/4	3,784.91	3/4	3,475.34	3/4	3,152.24	3/4	2,820.96	3/4	2,489.59	3/4	2,158.15		
11	11	11	11	11	11	11	4,073.68	11	3,778.60	11	3,468.75	11	3,145.36	11	2,814.06	11	2,482.68	11	2,151.25		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,067.68	1/4	3,772.29	1/4	3,462.15	1/4	3,138.49	1/4	2,807.16	1/4	2,475.78	1/4	2,144.34		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,360.11	1/2	4,061.67	1/2	3,765.96	1/2	3,455.54	1/2	3,131.60	1/2	2,800.25	1/2	2,468.87	1/2	2,137.44
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,354.93	3/4	4,055.65	3/4	3,759.62	3/4	3,448.93	3/4	3,124.71	3/4	2,793.35	3/4	2,461.97	3/4	2,130.53

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 36'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
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# BARGE "KIRBY 28024"

## 1 PORT 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	2,123.63	0	1,792.19	0	1,460.75	0	1,129.31	0	803.94	0	500.58	0	220.68	0		0		0	
1/4	2,116.72	1/4	1,785.28	1/4	1,453.84	1/4	1,122.40	1/4	797.37	1/4	494.49	1/4	215.08	1/4	1/4	1/4		1/4	
1/2	2,109.82	1/2	1,778.38	1/2	1,446.94	1/2	1,115.50	1/2	790.85	1/2	488.45	1/2	209.53	1/2	1/2	1/2		1/2	
3/4	2,102.91	3/4	1,771.47	3/4	1,440.03	3/4	1,108.59	3/4	784.33	3/4	482.40	3/4	203.98	3/4	3/4	3/4		3/4	
1	2,096.01	1	1,764.57	1	1,433.13	1	1,101.69	1	777.81	1	476.36	1	198.42	1		1		1	
1/4	2,089.10	1/4	1,757.66	1/4	1,426.22	1/4	1,094.78	1/4	771.29	1/4	470.31	1/4	192.87	1/4	1/4	1/4		1/4	
1/2	2,082.20	1/2	1,750.76	1/2	1,419.32	1/2	1,087.88	1/2	764.80	1/2	464.30	1/2	187.35	1/2	1/2	1/2		1/2	
3/4	2,075.29	3/4	1,743.85	3/4	1,412.41	3/4	1,080.98	3/4	758.32	3/4	458.30	3/4	181.84	3/4	3/4	3/4		3/4	
2	2,068.39	2	1,736.95	2	1,405.51	2	1,074.07	2	751.84	2	452.29	2	176.32	2		2		2	
1/4	2,061.48	1/4	1,730.04	1/4	1,398.60	1/4	1,067.17	1/4	745.36	1/4	446.29	1/4	170.80	1/4	1/4	1/4		1/4	
1/2	2,054.58	1/2	1,723.14	1/2	1,391.70	1/2	1,060.27	1/2	738.90	1/2	440.32	1/2	165.33	1/2	1/2	1/2		1/2	
3/4	2,047.67	3/4	1,716.23	3/4	1,384.79	3/4	1,053.38	3/4	732.45	3/4	434.36	3/4	159.86	3/4	3/4	3/4		3/4	
3	2,040.77	3	1,709.33	3	1,377.89	3	1,046.48	3	725.99	3	428.40	3	154.39	3		3		3	
1/4	2,033.86	1/4	1,702.42	1/4	1,370.98	1/4	1,039.58	1/4	719.54	1/4	422.43	1/4	148.92	1/4	1/4	1/4		1/4	
1/2	2,026.96	1/2	1,695.52	1/2	1,364.08	1/2	1,032.70	1/2	713.12	1/2	416.51	1/2	143.49	1/2	1/2	1/2		1/2	
3/4	2,020.05	3/4	1,688.61	3/4	1,357.17	3/4	1,025.82	3/4	706.71	3/4	410.58	3/4	138.05	3/4	3/4	3/4		3/4	
4	2,013.15	4	1,681.71	4	1,350.27	4	1,018.94	4	700.29	4	404.66	4	132.62	4		4		4	
1/4	2,006.24	1/4	1,674.80	1/4	1,343.36	1/4	1,012.06	1/4	693.87	1/4	398.73	1/4	127.18	1/4	1/4	1/4		1/4	
1/2	1,999.34	1/2	1,667.90	1/2	1,336.46	1/2	1,005.21	1/2	687.50	1/2	392.85	1/2	121.79	1/2	1/2	1/2		1/2	
3/4	1,992.43	3/4	1,660.99	3/4	1,329.55	3/4	998.35	3/4	681.13	3/4	386.97	3/4	116.41	3/4	3/4	3/4		3/4	
5	1,985.53	5	1,654.09	5	1,322.65	5	991.49	5	674.75	5	381.09	5	111.02	5		5		5	
1/4	1,978.62	1/4	1,647.18	1/4	1,315.74	1/4	984.64	1/4	668.38	1/4	375.21	1/4	105.63	1/4	1/4	1/4		1/4	
1/2	1,971.72	1/2	1,640.28	1/2	1,308.84	1/2	977.81	1/2	662.05	1/2	369.37	1/2	100.28	1/2	1/2	1/2		1/2	
3/4	1,964.81	3/4	1,633.37	3/4	1,301.93	3/4	970.99	3/4	655.71	3/4	363.52	3/4	94.93	3/4	3/4	3/4		3/4	
6	1,957.91	6	1,626.47	6	1,295.03	6	964.17	6	649.38	6	357.68	6	89.58	6		6		6	
1/4	1,951.00	1/4	1,619.56	1/4	1,288.12	1/4	957.34	1/4	643.05	1/4	351.84	1/4	84.23	1/4	1/4	1/4		1/4	
1/2	1,944.10	1/2	1,612.66	1/2	1,281.22	1/2	950.58	1/2	636.75	1/2	346.04	1/2	78.93	1/2	1/2	1/2		1/2	
3/4	1,937.19	3/4	1,605.75	3/4	1,274.31	3/4	943.81	3/4	630.46	3/4	340.24	3/4	73.62	3/4	3/4	3/4		3/4	
7	1,930.29	7	1,598.85	7	1,267.41	7	937.04	7	624.17	7	334.44	7	68.32	7		7		7	
1/4	1,923.38	1/4	1,591.94	1/4	1,260.50	1/4	930.27	1/4	617.88	1/4	328.64	1/4	63.01	1/4	1/4	1/4		1/4	
1/2	1,916.48	1/2	1,585.04	1/2	1,253.60	1/2	923.55	1/2	611.63	1/2	322.88	1/2	57.75	1/2	1/2	1/2		1/2	
3/4	1,909.57	3/4	1,578.13	3/4	1,246.69	3/4	916.82	3/4	605.38	3/4	317.12	3/4	52.48	3/4	3/4	3/4		3/4	
8	1,902.67	8	1,571.23	8	1,239.79	8	910.09	8	599.12	8	311.36	8	47.21	8		8		8	
1/4	1,895.76	1/4	1,564.32	1/4	1,232.88	1/4	903.36	1/4	592.87	1/4	305.60	1/4	41.95	1/4	1/4	1/4		1/4	
1/2	1,888.86	1/2	1,557.42	1/2	1,225.98	1/2	896.68	1/2	586.66	1/2	299.88	1/2	37.59	1/2	1/2	1/2		1/2	
3/4	1,881.95	3/4	1,550.51	3/4	1,219.07	3/4	889.99	3/4	580.45	3/4	294.16	3/4	33.23	3/4	3/4	3/4		3/4	
9	1,875.05	9	1,543.61	9	1,212.17	9	883.31	9	574.24	9	288.45	9	28.87	9		9		9	
1/4	1,868.14	1/4	1,536.70	1/4	1,205.26	1/4	876.62	1/4	568.03	1/4	282.73	1/4	24.51	1/4	1/4	1/4		1/4	
1/2	1,861.24	1/2	1,529.80	1/2	1,198.36	1/2	869.98	1/2	561.86	1/2	277.05	1/2	21.92	1/2	1/2	1/2		1/2	
3/4	1,854.33	3/4	1,522.89	3/4	1,191.45	3/4	863.33	3/4	555.69	3/4	271.37	3/4	19.32	3/4	3/4	3/4		3/4	
10	1,847.43	10	1,515.99	10	1,184.55	10	856.69	10	549.52	10	265.69	10	16.73	10		10		10	
1/4	1,840.52	1/4	1,509.08	1/4	1,177.64	1/4	850.04	1/4	543.35	1/4	260.01	1/4	14.13	1/4	1/4	1/4		1/4	
1/2	1,833.62	1/2	1,502.18	1/2	1,170.74	1/2	843.44	1/2	537.23	1/2	254.38	1/2		1/2	1/2	1/2		1/2	
3/4	1,826.71	3/4	1,495.27	3/4	1,163.83	3/4	836.83	3/4	531.10	3/4	248.74	3/4		3/4	3/4	3/4		3/4	
11	1,819.81	11	1,488.37	11	1,156.93	11	830.23	11	524.97	11	243.11	11		11		11		11	
1/4	1,812.90	1/4	1,481.46	1/4	1,150.02	1/4	823.63	1/4	518.84	1/4	237.47	1/4		1/4	1/4	1/4		1/4	
1/2	1,806.00	1/2	1,474.56	1/2	1,143.12	1/2	817.06	1/2	512.76	1/2	231.87	1/2		1/2	1/2	1/2		1/2	
3/4	1,799.09	3/4	1,467.65	3/4	1,136.21	3/4	810.50	3/4	506.67	3/4	226.28	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/12/2002 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 28024"

## 1 STBD 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.	
0	0	0	0	0	0	4,353.15	0	4,053.87	0	3,757.84	0	3,447.15	0	3,122.93	0	2,791.57	0	2,460.19	
1/4	1/4	1/4	1/4	1/4	1/4	4,347.97	1/4	4,047.86	1/4	3,751.51	1/4	3,440.54	1/4	3,116.03	1/4	2,784.67	1/4	2,453.29	
1/2	1/2	1/2	1/2	1/2	1/2	4,342.79	1/2	4,041.84	1/2	3,745.17	1/2	3,433.92	1/2	3,109.14	1/2	2,777.76	1/2	2,446.39	
3/4	3/4	3/4	3/4	3/4	3/4	4,335.89	3/4	4,035.80	3/4	3,738.82	3/4	3,427.29	3/4	3,102.24	3/4	2,770.86	3/4	2,439.48	
1	1	1	1	1	1	4,328.98	1	4,029.75	1	3,732.46	1	3,420.65	1	3,095.33	1	2,763.96	1	2,432.58	
1/4	1/4	1/4	1/4	1/4	1/4	4,322.08	1/4	4,023.71	1/4	3,726.11	1/4	3,414.02	1/4	3,088.43	1/4	2,757.05	1/4	2,425.67	
1/2	1/2	1/2	1/2	1/2	1/2	4,315.17	1/2	4,017.66	1/2	3,719.75	1/2	3,407.38	1/2	3,081.53	1/2	2,750.15	1/2	2,418.77	
3/4	3/4	3/4	3/4	3/4	3/4	4,308.27	3/4	4,011.60	3/4	3,713.37	3/4	3,400.72	3/4	3,074.62	3/4	2,743.24	3/4	2,411.86	
2	2	2	2	2	2	4,301.36	2	4,005.54	2	3,707.00	2	3,394.06	2	3,067.72	2	2,736.34	2	2,404.96	
1/4	1/4	1/4	1/4	1/4	1/4	4,294.46	1/4	3,999.47	1/4	3,700.62	1/4	3,387.40	1/4	3,060.82	1/4	2,729.44	1/4	2,398.05	
1/2	1/2	1/2	1/2	1/2	1/2	4,287.55	1/2	3,993.41	1/2	3,694.24	1/2	3,380.73	1/2	3,053.91	1/2	2,722.53	1/2	2,391.15	
3/4	3/4	3/4	3/4	3/4	3/4	4,280.65	3/4	3,987.33	3/4	3,687.84	3/4	3,374.05	3/4	3,047.01	3/4	2,715.63	3/4	2,384.24	
3	3	3	3	3	3	4,273.74	3	3,981.24	3	3,681.43	3	3,367.37	3	3,040.10	3	2,708.73	3	2,377.34	
1/4	1/4	1/4	1/4	1/4	1/4	4,266.84	1/4	3,975.16	1/4	3,675.03	1/4	3,360.68	1/4	3,033.20	1/4	2,701.82	1/4	2,370.43	
1/2	1/2	1/2	1/2	1/2	1/2	4,259.93	1/2	3,969.07	1/2	3,668.62	1/2	3,354.00	1/2	3,026.30	1/2	2,694.92	1/2	2,363.53	
3/4	3/4	3/4	3/4	3/4	3/4	4,253.03	3/4	3,962.96	3/4	3,662.20	3/4	3,347.29	3/4	3,019.39	3/4	2,688.02	3/4	2,356.62	
4	4	4	4	4	4	4,246.12	4	3,956.84	4	3,655.77	4	3,340.59	4	3,012.49	4	2,681.11	4	2,349.72	
1/4	1/4	1/4	1/4	1/4	1/4	4,239.22	1/4	3,950.73	1/4	3,649.35	1/4	3,333.88	1/4	3,005.59	1/4	2,674.21	1/4	2,342.81	
1/2	1/2	1/2	1/2	1/2	1/2	4,232.31	1/2	3,944.62	1/2	3,642.92	1/2	3,327.18	1/2	2,998.68	1/2	2,667.30	1/2	2,335.91	
3/4	3/4	3/4	3/4	3/4	3/4	4,226.42	3/4	3,938.48	3/4	3,636.47	3/4	3,320.45	3/4	2,991.78	3/4	2,660.40	3/4	2,329.00	
5	5	5	5	5	5	4,220.53	5	3,932.35	5	3,630.03	5	3,313.72	5	2,984.87	5	2,653.50	5	2,322.10	
1/4	1/4	1/4	1/4	1/4	1/4	4,214.64	1/4	3,926.22	1/4	3,623.58	1/4	3,306.98	1/4	2,977.97	1/4	2,646.59	1/4	2,315.19	
1/2	1/2	1/2	1/2	1/2	1/2	4,208.75	1/2	3,920.08	1/2	3,617.13	1/2	3,300.25	1/2	2,971.07	1/2	2,639.69	1/2	2,308.29	
3/4	3/4	3/4	3/4	3/4	3/4	4,202.84	3/4	3,913.93	3/4	3,610.66	3/4	3,293.50	3/4	2,964.16	3/4	2,632.79	3/4	2,301.38	
6	6	6	6	6	6	4,196.93	6	3,907.77	6	3,604.18	6	3,286.75	6	2,957.26	6	2,625.88	6	2,294.48	
1/4	1/4	1/4	1/4	1/4	1/4	4,191.02	1/4	3,901.62	1/4	3,597.71	1/4	3,279.99	1/4	2,950.36	1/4	2,618.98	1/4	2,287.57	
1/2	1/2	1/2	1/2	1/2	1/2	4,185.11	1/2	3,895.46	1/2	3,591.24	1/2	3,273.24	1/2	2,943.45	1/2	2,612.07	1/2	2,280.67	
3/4	3/4	3/4	3/4	3/4	3/4	4,179.18	3/4	3,889.28	3/4	3,584.74	3/4	3,266.46	3/4	2,936.55	3/4	2,605.17	3/4	2,273.76	
7	7	7	7	7	7	4,173.25	7	3,883.10	7	3,578.25	7	3,259.67	7	2,929.64	7	2,598.27	7	2,266.86	
1/4	1/4	1/4	1/4	1/4	1/4	4,167.31	1/4	3,876.92	1/4	3,571.75	1/4	3,252.89	1/4	2,922.74	1/4	2,591.36	1/4	2,259.95	
1/2	1/2	1/2	1/2	1/2	1/2	4,161.38	1/2	3,870.74	1/2	3,565.26	1/2	3,246.11	1/2	2,915.84	1/2	2,584.46	1/2	2,253.05	
3/4	3/4	3/4	3/4	3/4	3/4	4,155.42	3/4	3,864.53	3/4	3,558.74	3/4	3,239.31	3/4	2,908.93	3/4	2,577.56	3/4	2,246.14	
8	8	8	8	8	8	4,149.46	8	3,858.33	8	3,552.22	8	3,232.50	8	2,902.03	8	2,570.65	8	2,239.24	
1/4	1/4	1/4	1/4	1/4	1/4	4,143.50	1/4	3,852.13	1/4	3,545.71	1/4	3,225.70	1/4	2,895.13	1/4	2,563.75	1/4	2,232.33	
1/2	1/2	1/2	1/2	1/2	1/2	4,137.54	1/2	3,845.92	1/2	3,539.19	1/2	3,218.90	1/2	2,888.22	1/2	2,556.85	1/2	2,225.43	
3/4	3/4	3/4	3/4	3/4	3/4	4,131.60	3/4	3,839.66	3/4	3,532.64	3/4	3,212.08	3/4	2,881.32	3/4	2,549.94	3/4	2,218.52	
9	9	9	9	9	9	4,125.65	9	3,833.41	9	3,526.10	9	3,205.26	9	2,874.42	9	2,543.04	9	2,211.62	
1/4	1/4	1/4	1/4	1/4	1/4	4,119.71	1/4	3,827.15	1/4	3,519.56	1/4	3,198.43	1/4	2,867.51	1/4	2,536.13	1/4	2,204.71	
1/2	1/2	1/2	1/2	1/2	1/2	4,113.76	1/2	3,820.89	1/2	3,513.02	1/2	3,191.61	1/2	2,860.61	1/2	2,529.23	1/2	2,197.81	
3/4	3/4	3/4	3/4	3/4	3/4	4,107.79	3/4	3,814.60	3/4	3,506.45	3/4	3,184.76	3/4	2,853.70	3/4	2,522.33	3/4	2,190.90	
10	10	10	10	10	10	4,101.82	10	3,808.32	10	3,499.88	10	3,177.90	10	2,846.80	10	2,515.42	10	2,184.00	
1/4	1/4	1/4	1/4	1/4	1/4	4,095.85	1/4	3,802.03	1/4	3,493.32	1/4	3,171.05	1/4	2,839.90	1/4	2,508.52	1/4	2,177.09	
1/2	1/2	1/2	1/2	1/2	1/2	4,089.89	1/2	3,795.75	1/2	3,486.75	1/2	3,164.20	1/2	2,832.99	1/2	2,501.62	1/2	2,170.19	
3/4	3/4	3/4	3/4	3/4	3/4	4,083.89	3/4	3,789.44	3/4	3,480.16	3/4	3,157.33	3/4	2,826.09	3/4	2,494.71	3/4	2,163.28	
11	11	11	11	11	11	4,077.90	11	3,783.13	11	3,473.57	11	3,150.46	11	2,819.19	11	2,487.81	11	2,156.38	
1/4	1/4	1/4	1/4	1/4	1/4	4,071.90	1/4	3,776.82	1/4	3,466.97	1/4	3,143.59	1/4	2,812.28	1/4	2,480.90	1/4	2,149.47	
1/2	1/2	1/2	1/2	1/2	1/2	4,065.91	1/2	3,770.52	1/2	3,460.38	1/2	3,136.72	1/2	2,805.38	1/2	2,474.00	1/2	2,142.57	
3/4	3/4	3/4	3/4	3/4	3/4	4,059.89	3/4	3,764.18	3/4	3,453.76	3/4	3,129.82	3/4	2,798.47	3/4	2,467.10	3/4	2,135.66	

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 36'-09" 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 28024"

**1 STBD  
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	2,128.76	0	1,797.32	0	1,465.88	0	1,134.44	0	809.84	0	506.66	0	226.27	0		0		0	
1/4	2,121.85	1/4	1,790.41	1/4	1,458.97	1/4	1,127.53	1/4	803.31	1/4	500.57	1/4	220.67	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,114.95	1/2	1,783.51	1/2	1,452.07	1/2	1,120.63	1/2	796.79	1/2	494.48	1/2	215.08	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,108.04	3/4	1,776.60	3/4	1,445.16	3/4	1,113.72	3/4	790.30	3/4	488.44	3/4	209.52	3/4	3/4	3/4	3/4	3/4	3/4
1	2,101.14	1	1,769.70	1	1,438.26	1	1,106.82	1	783.82	1	482.39	1	203.97	1		1		1	
1/4	2,094.23	1/4	1,762.79	1/4	1,431.35	1/4	1,099.91	1/4	777.34	1/4	476.35	1/4	198.42	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,087.33	1/2	1,755.89	1/2	1,424.45	1/2	1,093.01	1/2	770.85	1/2	470.30	1/2	192.87	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,080.42	3/4	1,748.98	3/4	1,417.54	3/4	1,086.10	3/4	764.41	3/4	464.29	3/4	187.35	3/4	3/4	3/4	3/4	3/4	3/4
2	2,073.52	2	1,742.08	2	1,410.64	2	1,079.20	2	757.97	2	458.29	2	181.83	2		2		2	
1/4	2,066.61	1/4	1,735.17	1/4	1,403.73	1/4	1,072.29	1/4	751.53	1/4	452.28	1/4	176.32	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,059.71	1/2	1,728.27	1/2	1,396.83	1/2	1,065.39	1/2	745.08	1/2	446.28	1/2	170.80	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,052.80	3/4	1,721.36	3/4	1,389.92	3/4	1,058.49	3/4	738.66	3/4	440.31	3/4	165.33	3/4	3/4	3/4	3/4	3/4	3/4
3	2,045.90	3	1,714.46	3	1,383.02	3	1,051.60	3	732.24	3	434.35	3	159.86	3		3		3	
1/4	2,038.99	1/4	1,707.55	1/4	1,376.11	1/4	1,044.70	1/4	725.82	1/4	428.39	1/4	154.39	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,032.09	1/2	1,700.65	1/2	1,369.21	1/2	1,037.81	1/2	719.40	1/2	422.42	1/2	148.92	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,025.18	3/4	1,693.74	3/4	1,362.30	3/4	1,030.93	3/4	713.02	3/4	416.50	3/4	143.48	3/4	3/4	3/4	3/4	3/4	3/4
4	2,018.28	4	1,686.84	4	1,355.40	4	1,024.05	4	706.63	4	410.57	4	138.05	4		4		4	
1/4	2,011.37	1/4	1,679.93	1/4	1,348.49	1/4	1,017.17	1/4	700.25	1/4	404.65	1/4	132.61	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,004.47	1/2	1,673.03	1/2	1,341.59	1/2	1,010.29	1/2	693.86	1/2	398.73	1/2	127.18	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,997.56	3/4	1,666.12	3/4	1,334.68	3/4	1,003.46	3/4	687.49	3/4	392.84	3/4	121.79	3/4	3/4	3/4	3/4	3/4	3/4
5	1,990.66	5	1,659.22	5	1,327.78	5	996.63	5	681.11	5	386.96	5	116.40	5		5		5	
1/4	1,983.75	1/4	1,652.31	1/4	1,320.87	1/4	989.81	1/4	674.74	1/4	381.08	1/4	111.01	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,976.85	1/2	1,645.41	1/2	1,313.97	1/2	982.98	1/2	668.37	1/2	375.20	1/2	105.63	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,969.94	3/4	1,638.50	3/4	1,307.06	3/4	976.19	3/4	662.03	3/4	369.36	3/4	100.28	3/4	3/4	3/4	3/4	3/4	3/4
6	1,963.04	6	1,631.60	6	1,300.16	6	969.40	6	655.70	6	363.52	6	94.93	6		6		6	
1/4	1,956.13	1/4	1,624.69	1/4	1,293.25	1/4	962.62	1/4	649.37	1/4	357.67	1/4	89.58	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,949.23	1/2	1,617.79	1/2	1,286.35	1/2	955.83	1/2	643.03	1/2	351.83	1/2	84.23	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,942.32	3/4	1,610.88	3/4	1,279.44	3/4	949.10	3/4	636.74	3/4	346.03	3/4	78.92	3/4	3/4	3/4	3/4	3/4	3/4
7	1,935.42	7	1,603.98	7	1,272.54	7	942.37	7	630.45	7	340.23	7	73.62	7		7		7	
1/4	1,928.51	1/4	1,597.07	1/4	1,265.63	1/4	935.64	1/4	624.16	1/4	334.43	1/4	68.32	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,921.61	1/2	1,590.17	1/2	1,258.73	1/2	928.92	1/2	617.87	1/2	328.63	1/2	63.01	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,914.70	3/4	1,583.26	3/4	1,251.82	3/4	922.23	3/4	611.62	3/4	322.87	3/4	57.74	3/4	3/4	3/4	3/4	3/4	3/4
8	1,907.80	8	1,576.36	8	1,244.92	8	915.54	8	605.36	8	317.11	8	52.48	8		8		8	
1/4	1,900.89	1/4	1,569.45	1/4	1,238.01	1/4	908.85	1/4	599.11	1/4	311.35	1/4	47.21	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,893.99	1/2	1,562.55	1/2	1,231.11	1/2	902.16	1/2	592.86	1/2	305.59	1/2	41.94	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,887.08	3/4	1,555.64	3/4	1,224.20	3/4	895.51	3/4	586.65	3/4	299.87	3/4	37.58	3/4	3/4	3/4	3/4	3/4	3/4
9	1,880.18	9	1,548.74	9	1,217.30	9	888.87	9	580.44	9	294.16	9	33.23	9		9		9	
1/4	1,873.27	1/4	1,541.83	1/4	1,210.39	1/4	882.22	1/4	574.23	1/4	288.44	1/4	28.87	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,866.37	1/2	1,534.93	1/2	1,203.49	1/2	875.57	1/2	568.02	1/2	282.72	1/2	24.51	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,859.46	3/4	1,528.02	3/4	1,196.58	3/4	868.97	3/4	561.85	3/4	277.04	3/4	21.91	3/4	3/4	3/4	3/4	3/4	3/4
10	1,852.56	10	1,521.12	10	1,189.68	10	862.36	10	555.68	10	271.36	10	19.32	10		10		10	
1/4	1,845.65	1/4	1,514.21	1/4	1,182.77	1/4	855.75	1/4	549.51	1/4	265.69	1/4	16.73	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,838.75	1/2	1,507.31	1/2	1,175.87	1/2	849.15	1/2	543.34	1/2	260.01	1/2	14.13	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,831.84	3/4	1,500.40	3/4	1,168.96	3/4	842.58	3/4	537.22	3/4	254.37	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,824.94	11	1,493.50	11	1,162.06	11	836.02	11	531.09	11	248.74	11		11		11		11	
1/4	1,818.03	1/4	1,486.59	1/4	1,155.15	1/4	829.45	1/4	524.96	1/4	243.10	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,811.13	1/2	1,479.69	1/2	1,148.25	1/2	822.89	1/2	518.83	1/2	237.47	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,804.22	3/4	1,472.78	3/4	1,141.34	3/4	816.36	3/4	512.75	3/4	231.87	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/12/2002 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 28024"

## 2 PORT 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	5,264.91	0	4,913.87	0	4,567.84	0	4,203.66	0	3,823.64	0	3,435.57	0	3,047.49
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,258.85	1/4	4,906.85	1/4	4,560.42	1/4	4,195.92	1/4	3,815.57	1/4	3,427.49	1/4	3,039.41
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,250.76	1/2	4,899.80	1/2	4,552.98	1/2	4,188.15	1/2	3,807.48	1/2	3,419.40	1/2	3,031.32
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,242.67	3/4	4,892.76	3/4	4,545.54	3/4	4,180.38	3/4	3,799.40	3/4	3,411.32	3/4	3,023.23
1		1		1		1	5,234.58	1	4,885.71	1	4,538.09	1	4,172.61	1	3,791.31	1	3,403.23	1	3,015.15
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,226.50	1/4	4,878.66	1/4	4,530.65	1/4	4,164.84	1/4	3,783.23	1/4	3,395.15	1/4	3,007.06
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,218.41	1/2	4,871.59	1/2	4,523.18	1/2	4,157.03	1/2	3,775.14	1/2	3,387.06	1/2	2,998.97
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,210.32	3/4	4,864.52	3/4	4,515.71	3/4	4,149.23	3/4	3,767.06	3/4	3,378.98	3/4	2,990.88
2		2		2		2	5,202.23	2	4,857.45	2	4,508.25	2	4,141.43	2	3,758.97	2	3,370.89	2	2,982.80
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,194.15	1/4	4,850.38	1/4	4,500.78	1/4	4,133.62	1/4	3,750.89	1/4	3,362.81	1/4	2,974.71
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,186.06	1/2	4,843.29	1/2	4,493.28	1/2	4,125.80	1/2	3,742.80	1/2	3,354.72	1/2	2,966.62
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,177.97	3/4	4,836.19	3/4	4,485.77	3/4	4,117.97	3/4	3,734.72	3/4	3,346.64	3/4	2,958.53
3		3		3		3	5,169.88	3	4,829.10	3	4,478.27	3	4,110.14	3	3,726.63	3	3,338.55	3	2,950.44
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,161.80	1/4	4,822.00	1/4	4,470.77	1/4	4,102.32	1/4	3,718.55	1/4	3,330.47	1/4	2,942.36
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,153.71	1/2	4,814.88	1/2	4,463.25	1/2	4,094.47	1/2	3,710.46	1/2	3,322.38	1/2	2,934.27
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,145.62	3/4	4,807.75	3/4	4,455.72	3/4	4,086.61	3/4	3,702.38	3/4	3,314.30	3/4	2,926.18
4		4		4		4	5,137.53	4	4,800.62	4	4,448.20	4	4,078.76	4	3,694.29	4	3,306.21	4	2,918.09
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,129.45	1/4	4,793.49	1/4	4,440.67	1/4	4,070.91	1/4	3,686.21	1/4	3,298.13	1/4	2,910.01
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,122.55	1/2	4,786.34	1/2	4,433.12	1/2	4,063.03	1/2	3,678.12	1/2	3,290.04	1/2	2,901.92
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,115.65	3/4	4,779.19	3/4	4,425.57	3/4	4,055.14	3/4	3,670.04	3/4	3,281.96	3/4	2,893.83
5		5		5		5	5,108.75	5	4,772.04	5	4,418.02	5	4,047.26	5	3,661.95	5	3,273.87	5	2,885.74
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,101.85	1/4	4,764.89	1/4	4,410.47	1/4	4,039.37	1/4	3,653.87	1/4	3,265.79	1/4	2,877.66
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,094.93	1/2	4,757.71	1/2	4,402.89	1/2	4,031.47	1/2	3,645.78	1/2	3,257.70	1/2	2,869.57
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,088.00	3/4	4,750.53	3/4	4,395.31	3/4	4,023.56	3/4	3,637.70	3/4	3,249.62	3/4	2,861.48
6		6		6		6	5,081.08	6	4,743.36	6	4,387.73	6	4,015.65	6	3,629.61	6	3,241.53	6	2,853.39
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,074.16	1/4	4,736.18	1/4	4,380.15	1/4	4,007.74	1/4	3,621.53	1/4	3,233.45	1/4	2,845.31
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,067.21	1/2	4,728.97	1/2	4,372.54	1/2	3,999.80	1/2	3,613.44	1/2	3,225.36	1/2	2,837.22
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,060.26	3/4	4,721.76	3/4	4,364.93	3/4	3,991.85	3/4	3,605.36	3/4	3,217.28	3/4	2,829.13
7		7		7		7	5,053.31	7	4,714.55	7	4,357.33	7	3,983.91	7	3,597.27	7	3,209.19	7	2,821.04
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,046.36	1/4	4,707.34	1/4	4,349.72	1/4	3,975.96	1/4	3,589.19	1/4	3,201.11	1/4	2,812.96
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,039.38	1/2	4,700.11	1/2	4,342.09	1/2	3,968.00	1/2	3,581.10	1/2	3,193.02	1/2	2,804.87
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,032.40	3/4	4,692.88	3/4	4,334.46	3/4	3,960.03	3/4	3,573.02	3/4	3,184.94	3/4	2,796.78
8		8		8		8	5,025.42	8	4,685.64	8	4,326.82	8	3,952.07	8	3,564.93	8	3,176.85	8	2,788.69
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,018.44	1/4	4,678.41	1/4	4,319.19	1/4	3,944.10	1/4	3,556.85	1/4	3,168.77	1/4	2,780.61
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,011.51	1/2	4,671.08	1/2	4,311.53	1/2	3,936.11	1/2	3,548.76	1/2	3,160.68	1/2	2,772.52
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,004.58	3/4	4,663.75	3/4	4,303.87	3/4	3,928.12	3/4	3,540.68	3/4	3,152.60	3/4	2,764.43
9		9		9		9	4,997.64	9	4,656.42	9	4,296.20	9	3,920.13	9	3,532.59	9	3,144.51	9	2,756.34
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,990.71	1/4	4,649.09	1/4	4,288.54	1/4	3,912.14	1/4	3,524.51	1/4	3,136.43	1/4	2,748.25
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,983.75	1/2	4,641.73	1/2	4,280.85	1/2	3,904.12	1/2	3,516.42	1/2	3,128.34	1/2	2,740.17
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,976.79	3/4	4,634.37	3/4	4,273.16	3/4	3,896.09	3/4	3,508.34	3/4	3,120.26	3/4	2,732.08
10		10		10		10	4,969.83	10	4,627.01	10	4,265.48	10	3,888.07	10	3,500.25	10	3,112.17	10	2,723.99
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,962.87	1/4	4,619.65	1/4	4,257.79	1/4	3,880.04	1/4	3,492.17	1/4	3,104.09	1/4	2,715.90
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,955.88	1/2	4,612.26	1/2	4,250.07	1/2	3,872.00	1/2	3,484.08	1/2	3,096.00	1/2	2,707.82
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,948.89	3/4	4,604.88	3/4	4,242.34	3/4	3,863.95	3/4	3,476.00	3/4	3,087.92	3/4	2,699.73
11		11		11		11	4,941.90	11	4,597.49	11	4,234.62	11	3,855.90	11	3,467.91	11	3,079.83	11	2,691.64
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,934.91	1/4	4,590.10	1/4	4,226.90	1/4	3,847.85	1/4	3,459.83	1/4	3,071.75	1/4	2,683.55
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,927.90	1/2	4,582.68	1/2	4,219.15	1/2	3,839.78	1/2	3,451.74	1/2	3,063.66	1/2	2,675.47
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,270.98	3/4	4,920.88	3/4	4,575.26	3/4	4,211.41	3/4	3,831.71	3/4	3,443.66	3/4	3,055.58

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-09" 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 28024"

## 2 PORT 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	2,659.29	0	2,271.09	0	1,882.88	0	1,494.68	0	1,106.47	0	718.78	0	331.17	0		0		0	
1/4	2,651.20	1/4	2,263.00	1/4	1,874.79	1/4	1,486.59	1/4	1,098.38	1/4	710.72	1/4	323.09	1/4	1/4	1/4		1/4	
1/2	2,643.12	1/2	2,254.91	1/2	1,866.71	1/2	1,478.50	1/2	1,090.30	1/2	702.65	1/2	315.01	1/2	1/2	1/2		1/2	
3/4	2,635.03	3/4	2,246.82	3/4	1,858.62	3/4	1,470.41	3/4	1,082.21	3/4	694.59	3/4	306.93	3/4	3/4	3/4		3/4	
1	2,626.94	1	2,238.74	1	1,850.53	1	1,462.33	1	1,074.12	1	686.53	1	298.85	1	1	1		1	
1/4	2,618.85	1/4	2,230.65	1/4	1,842.44	1/4	1,454.24	1/4	1,066.03	1/4	678.47	1/4	290.77	1/4	1/4	1/4		1/4	
1/2	2,610.77	1/2	2,222.56	1/2	1,834.36	1/2	1,446.15	1/2	1,057.95	1/2	670.40	1/2	282.70	1/2	1/2	1/2		1/2	
3/4	2,602.68	3/4	2,214.47	3/4	1,826.27	3/4	1,438.06	3/4	1,049.86	3/4	662.34	3/4	274.62	3/4	3/4	3/4		3/4	
2	2,594.59	2	2,206.39	2	1,818.18	2	1,429.98	2	1,041.77	2	654.28	2	266.54	2	2	2		2	
1/4	2,586.50	1/4	2,198.30	1/4	1,810.09	1/4	1,421.89	1/4	1,033.68	1/4	646.21	1/4	258.46	1/4	1/4	1/4		1/4	
1/2	2,578.42	1/2	2,190.21	1/2	1,802.01	1/2	1,413.80	1/2	1,025.60	1/2	638.14	1/2	250.38	1/2	1/2	1/2		1/2	
3/4	2,570.33	3/4	2,182.12	3/4	1,793.92	3/4	1,405.71	3/4	1,017.51	3/4	630.07	3/4	242.30	3/4	3/4	3/4		3/4	
3	2,562.24	3	2,174.04	3	1,785.83	3	1,397.63	3	1,009.42	3	622.00	3	234.22	3	3	3		3	
1/4	2,554.15	1/4	2,165.95	1/4	1,777.74	1/4	1,389.54	1/4	1,001.33	1/4	613.93	1/4	226.14	1/4	1/4	1/4		1/4	
1/2	2,546.06	1/2	2,157.86	1/2	1,769.66	1/2	1,381.45	1/2	993.25	1/2	605.85	1/2	218.06	1/2	1/2	1/2		1/2	
3/4	2,537.98	3/4	2,149.77	3/4	1,761.57	3/4	1,373.36	3/4	985.16	3/4	597.77	3/4	209.99	3/4	3/4	3/4		3/4	
4	2,529.89	4	2,141.68	4	1,753.48	4	1,365.28	4	977.07	4	589.69	4	201.91	4	4	4		4	
1/4	2,521.80	1/4	2,133.60	1/4	1,745.39	1/4	1,357.19	1/4	968.98	1/4	581.61	1/4	193.83	1/4	1/4	1/4		1/4	
1/2	2,513.71	1/2	2,125.51	1/2	1,737.30	1/2	1,349.10	1/2	960.90	1/2	573.54	1/2	185.75	1/2	1/2	1/2		1/2	
3/4	2,505.63	3/4	2,117.42	3/4	1,729.22	3/4	1,341.01	3/4	952.81	3/4	565.46	3/4	177.67	3/4	3/4	3/4		3/4	
5	2,497.54	5	2,109.33	5	1,721.13	5	1,332.92	5	944.72	5	557.38	5	169.59	5	5	5		5	
1/4	2,489.45	1/4	2,101.25	1/4	1,713.04	1/4	1,324.84	1/4	936.63	1/4	549.30	1/4	161.51	1/4	1/4	1/4		1/4	
1/2	2,481.36	1/2	2,093.16	1/2	1,704.95	1/2	1,316.75	1/2	928.54	1/2	541.22	1/2	153.43	1/2	1/2	1/2		1/2	
3/4	2,473.28	3/4	2,085.07	3/4	1,696.87	3/4	1,308.66	3/4	920.46	3/4	533.14	3/4	145.35	3/4	3/4	3/4		3/4	
6	2,465.19	6	2,076.98	6	1,688.78	6	1,300.57	6	912.37	6	525.06	6	137.27	6	6	6		6	
1/4	2,457.10	1/4	2,068.90	1/4	1,680.69	1/4	1,292.49	1/4	904.28	1/4	516.98	1/4	129.20	1/4	1/4	1/4		1/4	
1/2	2,449.01	1/2	2,060.81	1/2	1,672.60	1/2	1,284.40	1/2	896.21	1/2	508.90	1/2	121.12	1/2	1/2	1/2		1/2	
3/4	2,440.93	3/4	2,052.72	3/4	1,664.52	3/4	1,276.31	3/4	888.13	3/4	500.83	3/4	113.04	3/4	3/4	3/4		3/4	
7	2,432.84	7	2,044.63	7	1,656.43	7	1,268.22	7	880.06	7	492.75	7	104.96	7	7	7		7	
1/4	2,424.75	1/4	2,036.55	1/4	1,648.34	1/4	1,260.14	1/4	871.98	1/4	484.67	1/4	96.88	1/4	1/4	1/4		1/4	
1/2	2,416.66	1/2	2,028.46	1/2	1,640.25	1/2	1,252.05	1/2	863.92	1/2	476.59	1/2	88.80	1/2	1/2	1/2		1/2	
3/4	2,408.58	3/4	2,020.37	3/4	1,632.17	3/4	1,243.96	3/4	855.85	3/4	468.51	3/4	80.72	3/4	3/4	3/4		3/4	
8	2,400.49	8	2,012.28	8	1,624.08	8	1,235.87	8	847.79	8	460.43	8	72.64	8	8	8		8	
1/4	2,392.40	1/4	2,004.20	1/4	1,615.99	1/4	1,227.79	1/4	839.73	1/4	452.35	1/4	64.56	1/4	1/4	1/4		1/4	
1/2	2,384.31	1/2	1,996.11	1/2	1,607.90	1/2	1,219.70	1/2	831.66	1/2	444.27	1/2	57.50	1/2	1/2	1/2		1/2	
3/4	2,376.23	3/4	1,988.02	3/4	1,599.82	3/4	1,211.61	3/4	823.60	3/4	436.19	3/4	50.43	3/4	3/4	3/4		3/4	
9	2,368.14	9	1,979.93	9	1,591.73	9	1,203.52	9	815.54	9	428.12	9	43.36	9	9	9		9	
1/4	2,360.05	1/4	1,971.85	1/4	1,583.64	1/4	1,195.44	1/4	807.48	1/4	420.04	1/4	36.29	1/4	1/4	1/4		1/4	
1/2	2,351.96	1/2	1,963.76	1/2	1,575.55	1/2	1,187.35	1/2	799.41	1/2	411.96	1/2	31.24	1/2	1/2	1/2		1/2	
3/4	2,343.87	3/4	1,955.67	3/4	1,567.47	3/4	1,179.26	3/4	791.35	3/4	403.88	3/4	26.20	3/4	3/4	3/4		3/4	
10	2,335.79	10	1,947.58	10	1,559.38	10	1,171.17	10	783.29	10	395.80	10	21.15	10	10	10		10	
1/4	2,327.70	1/4	1,939.49	1/4	1,551.29	1/4	1,163.09	1/4	775.22	1/4	387.72	1/4	16.10	1/4	1/4	1/4		1/4	
1/2	2,319.61	1/2	1,931.41	1/2	1,543.20	1/2	1,155.00	1/2	767.16	1/2	379.64	1/2		1/2	1/2	1/2		1/2	
3/4	2,311.52	3/4	1,923.32	3/4	1,535.11	3/4	1,146.91	3/4	759.10	3/4	371.56	3/4		3/4	3/4	3/4		3/4	
11	2,303.44	11	1,915.23	11	1,527.03	11	1,138.82	11	751.03	11	363.48	11		11	11	11		11	
1/4	2,295.35	1/4	1,907.14	1/4	1,518.94	1/4	1,130.73	1/4	742.97	1/4	355.41	1/4		1/4	1/4	1/4		1/4	
1/2	2,287.26	1/2	1,899.06	1/2	1,510.85	1/2	1,122.65	1/2	734.91	1/2	347.33	1/2		1/2	1/2	1/2		1/2	
3/4	2,279.17	3/4	1,890.97	3/4	1,502.76	3/4	1,114.56	3/4	726.84	3/4	339.25	3/4		3/4	3/4	3/4		3/4	

STRAPPED: 08/12/2002 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 28024"

## 2 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	5,252.63	0	4,901.47	0	4,555.33	0	4,191.03	0	3,810.89	0	3,422.70	0	3,034.49
1/4		1/4		1/4		1/4	5,246.56	1/4	4,894.45	1/4	4,547.90	1/4	4,183.28	1/4	3,802.82	1/4	3,414.61	1/4	3,026.41
1/2		1/2		1/2		1/2	5,238.47	1/2	4,887.40	1/2	4,540.46	1/2	4,175.51	1/2	3,794.73	1/2	3,406.52	1/2	3,018.32
3/4		3/4		3/4		3/4	5,230.38	3/4	4,880.35	3/4	4,533.01	3/4	4,167.74	3/4	3,786.64	3/4	3,398.44	3/4	3,010.23
1		1		1		1	5,222.29	1	4,873.30	1	4,525.57	1	4,159.96	1	3,778.55	1	3,390.35	1	3,002.14
1/4		1/4		1/4		1/4	5,214.20	1/4	4,866.25	1/4	4,518.12	1/4	4,152.19	1/4	3,770.47	1/4	3,382.26	1/4	2,994.05
1/2		1/2		1/2		1/2	5,206.11	1/2	4,859.18	1/2	4,510.65	1/2	4,144.39	1/2	3,762.38	1/2	3,374.17	1/2	2,985.96
3/4		3/4		3/4		3/4	5,198.02	3/4	4,852.11	3/4	4,503.18	3/4	4,136.58	3/4	3,754.29	3/4	3,366.09	3/4	2,977.87
2		2		2		2	5,189.93	2	4,845.03	2	4,495.71	2	4,128.77	2	3,746.20	2	3,358.00	2	2,969.78
1/4		1/4		1/4		1/4	5,181.84	1/4	4,837.96	1/4	4,488.24	1/4	4,120.97	1/4	3,738.12	1/4	3,349.91	1/4	2,961.69
1/2		1/2		1/2		1/2	5,173.75	1/2	4,830.86	1/2	4,480.74	1/2	4,113.14	1/2	3,730.03	1/2	3,341.82	1/2	2,953.60
3/4		3/4		3/4		3/4	5,165.66	3/4	4,823.77	3/4	4,473.23	3/4	4,105.31	3/4	3,721.94	3/4	3,333.74	3/4	2,945.51
3		3		3		3	5,157.57	3	4,816.67	3	4,465.73	3	4,097.48	3	3,713.85	3	3,325.65	3	2,937.42
1/4		1/4		1/4		1/4	5,149.48	1/4	4,809.57	1/4	4,458.22	1/4	4,089.65	1/4	3,705.76	1/4	3,317.56	1/4	2,929.33
1/2		1/2		1/2		1/2	5,141.39	1/2	4,802.44	1/2	4,450.70	1/2	4,081.80	1/2	3,697.68	1/2	3,309.47	1/2	2,921.24
3/4		3/4		3/4		3/4	5,133.30	3/4	4,795.31	3/4	4,443.17	3/4	4,073.94	3/4	3,689.59	3/4	3,301.38	3/4	2,913.15
4		4		4		4	5,125.21	4	4,788.18	4	4,435.64	4	4,066.09	4	3,681.50	4	3,293.30	4	2,905.06
1/4		1/4		1/4		1/4	5,117.12	1/4	4,781.05	1/4	4,428.12	1/4	4,058.23	1/4	3,673.41	1/4	3,285.21	1/4	2,896.97
1/2		1/2		1/2		1/2	5,110.22	1/2	4,773.90	1/2	4,420.56	1/2	4,050.35	1/2	3,665.33	1/2	3,277.12	1/2	2,888.88
3/4		3/4		3/4		3/4	5,103.32	3/4	4,766.74	3/4	4,413.01	3/4	4,042.46	3/4	3,657.24	3/4	3,269.03	3/4	2,880.79
5		5		5		5	5,096.42	5	4,759.59	5	4,405.46	5	4,034.57	5	3,649.15	5	3,260.95	5	2,872.70
1/4		1/4		1/4		1/4	5,089.52	1/4	4,752.44	1/4	4,397.91	1/4	4,026.69	1/4	3,641.06	1/4	3,252.86	1/4	2,864.61
1/2		1/2		1/2		1/2	5,082.59	1/2	4,745.26	1/2	4,390.32	1/2	4,018.78	1/2	3,632.98	1/2	3,244.77	1/2	2,856.52
3/4		3/4		3/4		3/4	5,075.66	3/4	4,738.08	3/4	4,382.74	3/4	4,010.87	3/4	3,624.89	3/4	3,236.68	3/4	2,848.43
6		6		6		6	5,068.74	6	4,730.90	6	4,375.15	6	4,002.96	6	3,616.80	6	3,228.60	6	2,840.34
1/4		1/4		1/4		1/4	5,061.81	1/4	4,723.72	1/4	4,367.57	1/4	3,995.04	1/4	3,608.71	1/4	3,220.51	1/4	2,832.25
1/2		1/2		1/2		1/2	5,054.86	1/2	4,716.51	1/2	4,359.96	1/2	3,987.10	1/2	3,600.63	1/2	3,212.42	1/2	2,824.16
3/4		3/4		3/4		3/4	5,047.91	3/4	4,709.30	3/4	4,352.35	3/4	3,979.15	3/4	3,592.54	3/4	3,204.33	3/4	2,816.07
7		7		7		7	5,040.96	7	4,702.09	7	4,344.74	7	3,971.20	7	3,584.45	7	3,196.25	7	2,807.98
1/4		1/4		1/4		1/4	5,034.01	1/4	4,694.87	1/4	4,337.13	1/4	3,963.26	1/4	3,576.36	1/4	3,188.16	1/4	2,799.89
1/2		1/2		1/2		1/2	5,027.03	1/2	4,687.64	1/2	4,329.50	1/2	3,955.29	1/2	3,568.28	1/2	3,180.07	1/2	2,791.80
3/4		3/4		3/4		3/4	5,020.05	3/4	4,680.40	3/4	4,321.86	3/4	3,947.32	3/4	3,560.19	3/4	3,171.98	3/4	2,783.71
8		8		8		8	5,013.06	8	4,673.17	8	4,314.23	8	3,939.36	8	3,552.10	8	3,163.90	8	2,775.62
1/4		1/4		1/4		1/4	5,006.08	1/4	4,665.93	1/4	4,306.60	1/4	3,931.39	1/4	3,544.01	1/4	3,155.81	1/4	2,767.53
1/2		1/2		1/2		1/2	4,999.15	1/2	4,658.60	1/2	4,298.93	1/2	3,923.40	1/2	3,535.93	1/2	3,147.72	1/2	2,759.44
3/4		3/4		3/4		3/4	4,992.21	3/4	4,651.27	3/4	4,291.27	3/4	3,915.40	3/4	3,527.84	3/4	3,139.63	3/4	2,751.35
9		9		9		9	4,985.27	9	4,643.93	9	4,283.60	9	3,907.41	9	3,519.75	9	3,131.55	9	2,743.26
1/4		1/4		1/4		1/4	4,978.34	1/4	4,636.60	1/4	4,275.93	1/4	3,899.42	1/4	3,511.66	1/4	3,123.46	1/4	2,735.17
1/2		1/2		1/2		1/2	4,971.38	1/2	4,629.24	1/2	4,268.24	1/2	3,891.39	1/2	3,503.57	1/2	3,115.37	1/2	2,727.08
3/4		3/4		3/4		3/4	4,964.41	3/4	4,621.88	3/4	4,260.55	3/4	3,883.36	3/4	3,495.49	3/4	3,107.28	3/4	2,718.99
10		10		10		10	4,957.45	10	4,614.51	10	4,252.86	10	3,875.33	10	3,487.40	10	3,099.19	10	2,710.90
1/4		1/4		1/4		1/4	4,950.49	1/4	4,607.15	1/4	4,245.17	1/4	3,867.31	1/4	3,479.31	1/4	3,091.11	1/4	2,702.81
1/2		1/2		1/2		1/2	4,943.50	1/2	4,599.76	1/2	4,237.45	1/2	3,859.26	1/2	3,471.22	1/2	3,083.02	1/2	2,694.72
3/4		3/4		3/4		3/4	4,936.51	3/4	4,592.37	3/4	4,229.72	3/4	3,851.21	3/4	3,463.14	3/4	3,074.93	3/4	2,686.63
11		11		11		11	4,929.51	11	4,584.98	11	4,222.00	11	3,843.16	11	3,455.05	11	3,066.84	11	2,678.54
1/4		1/4		1/4		1/4	4,922.52	1/4	4,577.59	1/4	4,214.27	1/4	3,835.11	1/4	3,446.96	1/4	3,058.76	1/4	2,670.45
1/2		1/2		1/2		1/2	4,915.50	1/2	4,570.17	1/2	4,206.52	1/2	3,827.04	1/2	3,438.87	1/2	3,050.67	1/2	2,662.36
3/4		3/4		3/4		3/4	5,258.70	3/4	4,908.49	3/4	4,562.75	3/4	4,198.78	3/4	3,818.96	3/4	3,430.79	3/4	3,042.58

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-09" 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 28024"

## 2 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	2,646.18	0	2,257.86	0	1,869.54	0	1,481.22	0	1,092.90	0	714.07	0	331.97	0		0		0	
1/4	2,638.09	1/4	2,249.77	1/4	1,861.45	1/4	1,473.13	1/4	1,084.81	1/4	706.31	1/4	323.88	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,630.00	1/2	2,241.68	1/2	1,853.36	1/2	1,465.04	1/2	1,076.72	1/2	698.56	1/2	315.79	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,621.91	3/4	2,233.59	3/4	1,845.27	3/4	1,456.95	3/4	1,068.63	3/4	690.81	3/4	307.70	3/4	3/4	3/4	3/4	3/4	3/4
1	2,613.82	1	2,225.50	1	1,837.18	1	1,448.86	1	1,060.54	1	683.05	1	299.61	1	1	1	1	1	1
1/4	2,605.73	1/4	2,217.41	1/4	1,829.09	1/4	1,440.77	1/4	1,052.45	1/4	675.30	1/4	291.53	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,597.64	1/2	2,209.32	1/2	1,821.00	1/2	1,432.68	1/2	1,044.36	1/2	667.54	1/2	283.44	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,589.55	3/4	2,201.23	3/4	1,812.91	3/4	1,424.59	3/4	1,036.27	3/4	659.79	3/4	275.35	3/4	3/4	3/4	3/4	3/4	3/4
2	2,581.46	2	2,193.14	2	1,804.82	2	1,416.50	2	1,028.18	2	652.04	2	267.26	2	2	2	2	2	2
1/4	2,573.37	1/4	2,185.05	1/4	1,796.73	1/4	1,408.41	1/4	1,020.09	1/4	644.28	1/4	259.17	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,565.28	1/2	2,176.96	1/2	1,788.64	1/2	1,400.32	1/2	1,012.00	1/2	636.52	1/2	251.08	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,557.19	3/4	2,168.87	3/4	1,780.55	3/4	1,392.23	3/4	1,003.91	3/4	628.76	3/4	242.99	3/4	3/4	3/4	3/4	3/4	3/4
3	2,549.10	3	2,160.78	3	1,772.46	3	1,384.14	3	995.82	3	620.99	3	234.90	3	3	3	3	3	3
1/4	2,541.01	1/4	2,152.69	1/4	1,764.37	1/4	1,376.05	1/4	987.73	1/4	613.23	1/4	226.81	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,532.92	1/2	2,144.60	1/2	1,756.28	1/2	1,367.96	1/2	979.64	1/2	605.45	1/2	218.72	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,524.83	3/4	2,136.51	3/4	1,748.19	3/4	1,359.87	3/4	971.55	3/4	597.67	3/4	210.63	3/4	3/4	3/4	3/4	3/4	3/4
4	2,516.74	4	2,128.42	4	1,740.10	4	1,351.78	4	963.46	4	589.89	4	202.55	4	4	4	4	4	4
1/4	2,508.65	1/4	2,120.33	1/4	1,732.01	1/4	1,343.69	1/4	955.37	1/4	582.11	1/4	194.46	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,500.56	1/2	2,112.24	1/2	1,723.92	1/2	1,335.60	1/2	947.43	1/2	574.18	1/2	186.37	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,492.47	3/4	2,104.15	3/4	1,715.83	3/4	1,327.51	3/4	939.49	3/4	566.25	3/4	178.28	3/4	3/4	3/4	3/4	3/4	3/4
5	2,484.38	5	2,096.06	5	1,707.74	5	1,319.42	5	931.55	5	558.31	5	170.19	5	5	5	5	5	5
1/4	2,476.29	1/4	2,087.97	1/4	1,699.65	1/4	1,311.33	1/4	923.62	1/4	550.38	1/4	162.10	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,468.20	1/2	2,079.88	1/2	1,691.56	1/2	1,303.24	1/2	915.84	1/2	542.29	1/2	154.01	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,460.11	3/4	2,071.79	3/4	1,683.47	3/4	1,295.15	3/4	908.06	3/4	534.20	3/4	145.92	3/4	3/4	3/4	3/4	3/4	3/4
6	2,452.02	6	2,063.70	6	1,675.38	6	1,287.06	6	900.28	6	526.11	6	137.83	6	6	6	6	6	6
1/4	2,443.93	1/4	2,055.61	1/4	1,667.29	1/4	1,278.97	1/4	892.49	1/4	518.02	1/4	129.74	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,435.84	1/2	2,047.52	1/2	1,659.20	1/2	1,270.88	1/2	884.73	1/2	509.93	1/2	121.65	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,427.75	3/4	2,039.43	3/4	1,651.11	3/4	1,262.79	3/4	876.96	3/4	501.84	3/4	113.57	3/4	3/4	3/4	3/4	3/4	3/4
7	2,419.66	7	2,031.34	7	1,643.02	7	1,254.70	7	869.20	7	493.75	7	105.48	7	7	7	7	7	7
1/4	2,411.57	1/4	2,023.25	1/4	1,634.93	1/4	1,246.61	1/4	861.43	1/4	485.66	1/4	97.39	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,403.48	1/2	2,015.16	1/2	1,626.84	1/2	1,238.52	1/2	853.67	1/2	477.57	1/2	89.30	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,395.39	3/4	2,007.07	3/4	1,618.75	3/4	1,230.43	3/4	845.92	3/4	469.49	3/4	81.21	3/4	3/4	3/4	3/4	3/4	3/4
8	2,387.30	8	1,998.98	8	1,610.66	8	1,222.34	8	838.16	8	461.40	8	73.12	8	8	8	8	8	8
1/4	2,379.21	1/4	1,990.89	1/4	1,602.57	1/4	1,214.25	1/4	830.41	1/4	453.31	1/4	65.03	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,371.12	1/2	1,982.80	1/2	1,594.48	1/2	1,206.16	1/2	822.65	1/2	445.22	1/2	57.95	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,363.03	3/4	1,974.71	3/4	1,586.39	3/4	1,198.07	3/4	814.89	3/4	437.13	3/4	50.87	3/4	3/4	3/4	3/4	3/4	3/4
9	2,354.94	9	1,966.62	9	1,578.30	9	1,189.98	9	807.14	9	429.04	9	43.79	9	9	9	9	9	9
1/4	2,346.85	1/4	1,958.53	1/4	1,570.21	1/4	1,181.89	1/4	799.38	1/4	420.95	1/4	36.71	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,338.76	1/2	1,950.44	1/2	1,562.12	1/2	1,173.80	1/2	791.63	1/2	412.86	1/2	31.66	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,330.67	3/4	1,942.35	3/4	1,554.03	3/4	1,165.71	3/4	783.87	3/4	404.77	3/4	26.60	3/4	3/4	3/4	3/4	3/4	3/4
10	2,322.58	10	1,934.26	10	1,545.94	10	1,157.62	10	776.12	10	396.68	10	21.55	10	10	10	10	10	10
1/4	2,314.49	1/4	1,926.17	1/4	1,537.85	1/4	1,149.53	1/4	768.36	1/4	388.59	1/4	16.49	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,306.40	1/2	1,918.08	1/2	1,529.76	1/2	1,141.44	1/2	760.60	1/2	380.51	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,298.31	3/4	1,909.99	3/4	1,521.67	3/4	1,133.35	3/4	752.85	3/4	372.42	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	2,290.22	11	1,901.90	11	1,513.58	11	1,125.26	11	745.09	11	364.33	11		11	11	11	11	11	11
1/4	2,282.13	1/4	1,893.81	1/4	1,505.49	1/4	1,117.17	1/4	737.34	1/4	356.24	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,274.04	1/2	1,885.72	1/2	1,497.40	1/2	1,109.08	1/2	729.58	1/2	348.15	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,265.95	3/4	1,877.63	3/4	1,489.31	3/4	1,100.99	3/4	721.82	3/4	340.06	3/4		3/4	3/4	3/4	3/4	3/4	3/4

STRAPPED: 08/12/2002 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 28024"

## 3 PORT 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	4,620.33	0	4,353.87	0	4,090.90	0	3,814.71	0	3,526.51	0	3,197.42	0	2,836.31
1/4		1/4		1/4		1/4	4,615.73	1/4	4,348.54	1/4	4,085.27	1/4	3,808.84	1/4	3,520.39	1/4	3,189.89	1/4	2,828.79
1/2		1/2		1/2		1/2	4,609.59	1/2	4,343.18	1/2	4,079.63	1/2	3,802.95	1/2	3,514.25	1/2	3,182.37	1/2	2,821.26
3/4		3/4		3/4		3/4	4,603.46	3/4	4,337.82	3/4	4,073.98	3/4	3,797.05	3/4	3,508.12	3/4	3,174.85	3/4	2,813.74
1		1		1		1	4,597.33	1	4,332.45	1	4,068.34	1	3,791.16	1	3,501.99	1	3,167.32	1	2,806.22
1/4		1/4		1/4		1/4	4,591.20	1/4	4,327.09	1/4	4,062.70	1/4	3,785.27	1/4	3,495.86	1/4	3,159.80	1/4	2,798.69
1/2		1/2		1/2		1/2	4,585.06	1/2	4,321.71	1/2	4,057.03	1/2	3,779.35	1/2	3,489.73	1/2	3,152.28	1/2	2,791.17
3/4		3/4		3/4		3/4	4,578.93	3/4	4,316.34	3/4	4,051.37	3/4	3,773.43	3/4	3,483.60	3/4	3,144.75	3/4	2,783.64
2		2		2		2	4,572.80	2	4,310.96	2	4,045.70	2	3,767.52	2	3,477.46	2	3,137.23	2	2,776.12
1/4		1/4		1/4		1/4	4,566.66	1/4	4,305.58	1/4	4,040.04	1/4	3,761.60	1/4	3,471.33	1/4	3,129.71	1/4	2,768.59
1/2		1/2		1/2		1/2	4,560.53	1/2	4,300.18	1/2	4,034.35	1/2	3,755.66	1/2	3,465.20	1/2	3,122.19	1/2	2,761.07
3/4		3/4		3/4		3/4	4,554.40	3/4	4,294.78	3/4	4,028.66	3/4	3,749.73	3/4	3,459.07	3/4	3,114.66	3/4	2,753.54
3		3		3		3	4,548.27	3	4,289.39	3	4,022.97	3	3,743.79	3	3,452.94	3	3,107.14	3	2,746.02
1/4		1/4		1/4		1/4	4,542.13	1/4	4,283.99	1/4	4,017.29	1/4	3,737.85	1/4	3,446.81	1/4	3,099.62	1/4	2,738.50
1/2		1/2		1/2		1/2	4,536.00	1/2	4,278.57	1/2	4,011.58	1/2	3,731.90	1/2	3,440.53	1/2	3,092.09	1/2	2,730.97
3/4		3/4		3/4		3/4	4,529.87	3/4	4,273.14	3/4	4,005.87	3/4	3,725.94	3/4	3,434.26	3/4	3,084.57	3/4	2,723.45
4		4		4		4	4,523.73	4	4,267.72	4	4,000.17	4	3,719.99	4	3,427.99	4	3,077.05	4	2,715.92
1/4		1/4		1/4		1/4	4,517.60	1/4	4,262.30	1/4	3,994.46	1/4	3,714.03	1/4	3,421.72	1/4	3,069.52	1/4	2,708.40
1/2		1/2		1/2		1/2	4,512.37	1/2	4,256.86	1/2	3,988.73	1/2	3,708.06	1/2	3,415.17	1/2	3,062.00	1/2	2,700.87
3/4		3/4		3/4		3/4	4,507.14	3/4	4,251.42	3/4	3,983.01	3/4	3,702.08	3/4	3,408.62	3/4	3,054.48	3/4	2,693.35
5		5		5		5	4,501.91	5	4,245.98	5	3,977.28	5	3,696.10	5	3,402.08	5	3,046.96	5	2,685.83
1/4		1/4		1/4		1/4	4,496.67	1/4	4,240.54	1/4	3,971.56	1/4	3,690.12	1/4	3,395.53	1/4	3,039.43	1/4	2,678.30
1/2		1/2		1/2		1/2	4,491.42	1/2	4,235.08	1/2	3,965.81	1/2	3,684.12	1/2	3,388.70	1/2	3,031.91	1/2	2,670.78
3/4		3/4		3/4		3/4	4,486.17	3/4	4,229.62	3/4	3,960.06	3/4	3,678.12	3/4	3,381.87	3/4	3,024.39	3/4	2,663.25
6		6		6		6	4,480.92	6	4,224.16	6	3,954.31	6	3,672.13	6	3,375.04	6	3,016.86	6	2,655.73
1/4		1/4		1/4		1/4	4,475.68	1/4	4,218.70	1/4	3,948.56	1/4	3,666.13	1/4	3,368.22	1/4	3,009.34	1/4	2,648.20
1/2		1/2		1/2		1/2	4,470.41	1/2	4,213.22	1/2	3,942.79	1/2	3,660.10	1/2	3,361.11	1/2	3,001.82	1/2	2,640.68
3/4		3/4		3/4		3/4	4,465.14	3/4	4,207.73	3/4	3,937.02	3/4	3,654.08	3/4	3,354.01	3/4	2,994.29	3/4	2,633.15
7		7		7		7	4,459.87	7	4,202.25	7	3,931.25	7	3,648.05	7	3,346.90	7	2,986.77	7	2,625.63
1/4		1/4		1/4		1/4	4,454.60	1/4	4,196.76	1/4	3,925.48	1/4	3,642.03	1/4	3,339.79	1/4	2,979.25	1/4	2,618.11
1/2		1/2		1/2		1/2	4,449.31	1/2	4,191.26	1/2	3,919.69	1/2	3,635.99	1/2	3,332.41	1/2	2,971.73	1/2	2,610.58
3/4		3/4		3/4		3/4	4,444.01	3/4	4,185.76	3/4	3,913.91	3/4	3,629.95	3/4	3,325.03	3/4	2,964.20	3/4	2,603.06
8		8		8		8	4,438.72	8	4,180.26	8	3,908.12	8	3,623.91	8	3,317.64	8	2,956.68	8	2,595.53
1/4		1/4		1/4		1/4	4,433.43	1/4	4,174.76	1/4	3,902.33	1/4	3,617.87	1/4	3,310.26	1/4	2,949.16	1/4	2,588.01
1/2		1/2		1/2		1/2	4,428.15	1/2	4,169.20	1/2	3,896.52	1/2	3,611.81	1/2	3,302.74	1/2	2,941.63	1/2	2,580.48
3/4		3/4		3/4		3/4	4,422.88	3/4	4,163.64	3/4	3,890.71	3/4	3,605.75	3/4	3,295.21	3/4	2,934.11	3/4	2,572.96
9		9		9		9	4,417.60	9	4,158.08	9	3,884.90	9	3,599.69	9	3,287.69	9	2,926.59	9	2,565.43
1/4		1/4		1/4		1/4	4,412.33	1/4	4,152.52	1/4	3,879.08	1/4	3,593.63	1/4	3,280.17	1/4	2,919.06	1/4	2,557.91
1/2		1/2		1/2		1/2	4,407.04	1/2	4,146.94	1/2	3,873.25	1/2	3,587.54	1/2	3,272.65	1/2	2,911.54	1/2	2,550.39
3/4		3/4		3/4		3/4	4,401.74	3/4	4,141.35	3/4	3,867.42	3/4	3,581.46	3/4	3,265.12	3/4	2,904.02	3/4	2,542.86
10		10		10		10	4,396.45	10	4,135.77	10	3,861.59	10	3,575.37	10	3,257.60	10	2,896.50	10	2,535.34
1/4		1/4		1/4		1/4	4,391.15	1/4	4,130.19	1/4	3,855.76	1/4	3,569.28	1/4	3,250.08	1/4	2,888.97	1/4	2,527.81
1/2		1/2		1/2		1/2	4,385.84	1/2	4,124.59	1/2	3,849.90	1/2	3,563.18	1/2	3,242.55	1/2	2,881.45	1/2	2,520.29
3/4		3/4		3/4		3/4	4,380.52	3/4	4,118.99	3/4	3,844.05	3/4	3,557.08	3/4	3,235.03	3/4	2,873.93	3/4	2,512.76
11		11		11		11	4,375.20	11	4,113.39	11	3,838.19	11	3,550.98	11	3,227.51	11	2,866.40	11	2,505.24
1/4		1/4		1/4		1/4	4,369.88	1/4	4,107.78	1/4	3,832.33	1/4	3,544.87	1/4	3,219.98	1/4	2,858.88	1/4	2,497.72
1/2		1/2		1/2		1/2	4,364.55	1/2	4,102.16	1/2	3,826.46	1/2	3,538.75	1/2	3,212.46	1/2	2,851.36	1/2	2,490.19
3/4		3/4		3/4		3/4	4,624.93	3/4	4,359.21	3/4	4,096.53	3/4	3,820.59	3/4	3,532.63	3/4	3,204.94	3/4	2,482.67

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'-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 28024"

## 3 PORT 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	2,475.14	0	2,113.97	0	1,752.80	0	1,391.63	0	1,030.73	0	670.09	0	308.93	0		0		0	
1/4	2,467.62	1/4	2,106.45	1/4	1,745.28	1/4	1,384.10	1/4	1,023.23	1/4	662.57	1/4	301.41	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,460.09	1/2	2,098.92	1/2	1,737.75	1/2	1,376.58	1/2	1,015.73	1/2	655.04	1/2	293.89	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,452.57	3/4	2,091.40	3/4	1,730.23	3/4	1,369.06	3/4	1,008.23	3/4	647.52	3/4	286.36	3/4	3/4	3/4	3/4	3/4	3/4
1	2,445.04	1	2,083.87	1	1,722.70	1	1,361.53	1	1,000.73	1	639.99	1	278.84	1	1	1	1	1	1
1/4	2,437.52	1/4	2,076.35	1/4	1,715.18	1/4	1,354.01	1/4	993.23	1/4	632.47	1/4	271.31	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,430.00	1/2	2,068.82	1/2	1,707.65	1/2	1,346.48	1/2	985.73	1/2	624.95	1/2	263.79	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,422.47	3/4	2,061.30	3/4	1,700.13	3/4	1,338.96	3/4	978.23	3/4	617.42	3/4	256.27	3/4	3/4	3/4	3/4	3/4	3/4
2	2,414.95	2	2,053.78	2	1,692.60	2	1,331.43	2	970.74	2	609.90	2	248.74	2	2	2	2	2	2
1/4	2,407.42	1/4	2,046.25	1/4	1,685.08	1/4	1,323.91	1/4	963.24	1/4	602.37	1/4	241.22	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,399.90	1/2	2,038.73	1/2	1,677.56	1/2	1,316.38	1/2	955.74	1/2	594.85	1/2	233.69	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,392.37	3/4	2,031.20	3/4	1,670.03	3/4	1,308.86	3/4	948.24	3/4	587.33	3/4	226.17	3/4	3/4	3/4	3/4	3/4	3/4
3	2,384.85	3	2,023.68	3	1,662.51	3	1,301.34	3	940.74	3	579.80	3	218.65	3	3	3	3	3	3
1/4	2,377.32	1/4	2,016.15	1/4	1,654.98	1/4	1,293.81	1/4	933.24	1/4	572.28	1/4	211.12	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,369.80	1/2	2,008.63	1/2	1,647.46	1/2	1,286.29	1/2	925.74	1/2	564.75	1/2	203.60	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,362.28	3/4	2,001.10	3/4	1,639.93	3/4	1,278.76	3/4	918.24	3/4	557.23	3/4	196.07	3/4	3/4	3/4	3/4	3/4	3/4
4	2,354.75	4	1,993.58	4	1,632.41	4	1,271.24	4	910.74	4	549.71	4	188.55	4	4	4	4	4	4
1/4	2,347.23	1/4	1,986.06	1/4	1,624.88	1/4	1,263.71	1/4	903.24	1/4	542.18	1/4	181.02	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,339.70	1/2	1,978.53	1/2	1,617.36	1/2	1,256.19	1/2	895.74	1/2	534.66	1/2	173.50	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,332.18	3/4	1,971.01	3/4	1,609.84	3/4	1,248.66	3/4	888.24	3/4	527.13	3/4	165.98	3/4	3/4	3/4	3/4	3/4	3/4
5	2,324.65	5	1,963.48	5	1,602.31	5	1,241.14	5	880.74	5	519.61	5	158.45	5	5	5	5	5	5
1/4	2,317.13	1/4	1,955.96	1/4	1,594.79	1/4	1,233.62	1/4	873.24	1/4	512.08	1/4	150.93	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,309.61	1/2	1,948.43	1/2	1,587.26	1/2	1,226.09	1/2	865.72	1/2	504.56	1/2	143.40	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,302.08	3/4	1,940.91	3/4	1,579.74	3/4	1,218.57	3/4	858.19	3/4	497.04	3/4	135.88	3/4	3/4	3/4	3/4	3/4	3/4
6	2,294.56	6	1,933.39	6	1,572.21	6	1,211.04	6	850.67	6	489.51	6	128.36	6	6	6	6	6	6
1/4	2,287.03	1/4	1,925.86	1/4	1,564.69	1/4	1,203.52	1/4	843.15	1/4	481.99	1/4	120.83	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,279.51	1/2	1,918.34	1/2	1,557.17	1/2	1,195.99	1/2	835.62	1/2	474.46	1/2	113.31	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,271.98	3/4	1,910.81	3/4	1,549.64	3/4	1,188.47	3/4	828.10	3/4	466.94	3/4	105.78	3/4	3/4	3/4	3/4	3/4	3/4
7	2,264.46	7	1,903.29	7	1,542.12	7	1,180.95	7	820.57	7	459.42	7	98.26	7	7	7	7	7	7
1/4	2,256.93	1/4	1,895.76	1/4	1,534.59	1/4	1,173.42	1/4	813.05	1/4	451.89	1/4	90.74	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,249.41	1/2	1,888.24	1/2	1,527.07	1/2	1,165.90	1/2	805.52	1/2	444.37	1/2	83.21	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,241.89	3/4	1,880.71	3/4	1,519.54	3/4	1,158.37	3/4	798.00	3/4	436.84	3/4	75.69	3/4	3/4	3/4	3/4	3/4	3/4
8	2,234.36	8	1,873.19	8	1,512.02	8	1,150.85	8	790.48	8	429.32	8	68.16	8	8	8	8	8	8
1/4	2,226.84	1/4	1,865.67	1/4	1,504.49	1/4	1,143.32	1/4	782.95	1/4	421.80	1/4	60.64	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,219.31	1/2	1,858.14	1/2	1,496.97	1/2	1,135.80	1/2	775.43	1/2	414.27	1/2	54.05	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,211.79	3/4	1,850.62	3/4	1,489.45	3/4	1,128.27	3/4	767.90	3/4	406.75	3/4	47.47	3/4	3/4	3/4	3/4	3/4	3/4
9	2,204.26	9	1,843.09	9	1,481.92	9	1,120.75	9	760.38	9	399.22	9	40.89	9	9	9	9	9	9
1/4	2,196.74	1/4	1,835.57	1/4	1,474.40	1/4	1,113.23	1/4	752.86	1/4	391.70	1/4	34.30	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,189.21	1/2	1,828.04	1/2	1,466.87	1/2	1,105.73	1/2	745.33	1/2	384.18	1/2	29.60	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,181.69	3/4	1,820.52	3/4	1,459.35	3/4	1,098.23	3/4	737.81	3/4	376.65	3/4	24.90	3/4	3/4	3/4	3/4	3/4	3/4
10	2,174.17	10	1,812.99	10	1,451.82	10	1,090.73	10	730.28	10	369.13	10	20.19	10	10	10	10	10	10
1/4	2,166.64	1/4	1,805.47	1/4	1,444.30	1/4	1,083.23	1/4	722.76	1/4	361.60	1/4	15.49	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,159.12	1/2	1,797.95	1/2	1,436.77	1/2	1,075.73	1/2	715.24	1/2	354.08	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,151.59	3/4	1,790.42	3/4	1,429.25	3/4	1,068.23	3/4	707.71	3/4	346.55	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	2,144.07	11	1,782.90	11	1,421.73	11	1,060.73	11	700.19	11	339.03	11		11	11	11	11	11	11
1/4	2,136.54	1/4	1,775.37	1/4	1,414.20	1/4	1,053.23	1/4	692.66	1/4	331.51	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,129.02	1/2	1,767.85	1/2	1,406.68	1/2	1,045.73	1/2	685.14	1/2	323.98	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,121.50	3/4	1,760.32	3/4	1,399.15	3/4	1,038.23	3/4	677.62	3/4	316.46	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/12/2002 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 28024"

## 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	4,597.67	0	4,331.22	0	4,068.24	0	3,792.05	0	3,503.85	0	3,174.97	0	2,814.54
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,593.07	1/4	4,325.88	1/4	4,062.61	1/4	3,786.18	1/4	3,497.73	1/4	3,167.46	1/4	2,807.03
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,586.94	1/2	4,320.52	1/2	4,056.97	1/2	3,780.29	1/2	3,491.59	1/2	3,159.95	1/2	2,799.52
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,580.80	3/4	4,315.16	3/4	4,051.33	3/4	3,774.40	3/4	3,485.46	3/4	3,152.44	3/4	2,792.01
1		1		1		1	4,574.67	1	4,309.80	1	4,045.68	1	3,768.50	1	3,479.33	1	3,144.94	1	2,784.50
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,568.54	1/4	4,304.43	1/4	4,040.04	1/4	3,762.61	1/4	3,473.20	1/4	3,137.43	1/4	2,776.99
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,562.40	1/2	4,299.06	1/2	4,034.37	1/2	3,756.69	1/2	3,467.07	1/2	3,129.92	1/2	2,769.48
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,556.27	3/4	4,293.68	3/4	4,028.71	3/4	3,750.77	3/4	3,460.94	3/4	3,122.41	3/4	2,761.97
2		2		2		2	4,550.14	2	4,288.30	2	4,023.05	2	3,744.86	2	3,454.81	2	3,114.90	2	2,754.46
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,544.01	1/4	4,282.92	1/4	4,017.38	1/4	3,738.94	1/4	3,448.67	1/4	3,107.39	1/4	2,746.95
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,537.87	1/2	4,277.52	1/2	4,011.69	1/2	3,733.00	1/2	3,442.54	1/2	3,099.88	1/2	2,739.44
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,531.74	3/4	4,272.13	3/4	4,006.00	3/4	3,727.07	3/4	3,436.41	3/4	3,092.37	3/4	2,731.93
3		3		3		3	4,525.61	3	4,266.73	3	4,000.32	3	3,721.13	3	3,430.28	3	3,084.86	3	2,724.42
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,519.47	1/4	4,261.33	1/4	3,994.63	1/4	3,715.20	1/4	3,424.15	1/4	3,077.35	1/4	2,716.91
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,513.34	1/2	4,255.91	1/2	3,988.92	1/2	3,709.24	1/2	3,417.88	1/2	3,069.85	1/2	2,709.40
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,507.21	3/4	4,250.49	3/4	3,983.21	3/4	3,703.29	3/4	3,411.61	3/4	3,062.34	3/4	2,701.89
4		4		4		4	4,501.07	4	4,245.06	4	3,977.51	4	3,697.33	4	3,405.33	4	3,054.83	4	2,694.38
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,494.94	1/4	4,239.64	1/4	3,971.80	1/4	3,691.38	1/4	3,399.06	1/4	3,047.32	1/4	2,686.87
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,488.71	1/2	4,234.20	1/2	3,966.07	1/2	3,685.40	1/2	3,392.51	1/2	3,039.81	1/2	2,679.36
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,484.48	3/4	4,228.76	3/4	3,960.35	3/4	3,679.42	3/4	3,385.97	3/4	3,032.30	3/4	2,671.85
5		5		5		5	4,479.25	5	4,223.32	5	3,954.62	5	3,673.44	5	3,379.42	5	3,024.79	5	2,664.34
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,474.01	1/4	4,217.88	1/4	3,948.90	1/4	3,667.46	1/4	3,372.87	1/4	3,017.28	1/4	2,656.83
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,468.77	1/2	4,212.42	1/2	3,943.15	1/2	3,661.46	1/2	3,366.04	1/2	3,009.77	1/2	2,649.32
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,463.52	3/4	4,206.96	3/4	3,937.40	3/4	3,655.46	3/4	3,359.21	3/4	3,002.26	3/4	2,641.81
6		6		6		6	4,458.27	6	4,201.50	6	3,931.65	6	3,649.47	6	3,352.39	6	2,994.76	6	2,634.30
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,453.02	1/4	4,196.04	1/4	3,925.90	1/4	3,643.47	1/4	3,345.56	1/4	2,987.25	1/4	2,626.79
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,447.75	1/2	4,190.56	1/2	3,920.13	1/2	3,637.44	1/2	3,338.45	1/2	2,979.74	1/2	2,619.28
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,442.48	3/4	4,185.07	3/4	3,914.36	3/4	3,631.42	3/4	3,331.35	3/4	2,972.23	3/4	2,611.76
7		7		7		7	4,437.21	7	4,179.59	7	3,908.59	7	3,625.39	7	3,324.24	7	2,964.72	7	2,604.25
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,431.94	1/4	4,174.11	1/4	3,902.82	1/4	3,619.37	1/4	3,317.14	1/4	2,957.21	1/4	2,596.74
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,426.65	1/2	4,168.60	1/2	3,897.03	1/2	3,613.33	1/2	3,309.75	1/2	2,949.70	1/2	2,589.23
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,421.36	3/4	4,163.10	3/4	3,891.25	3/4	3,607.29	3/4	3,302.37	3/4	2,942.19	3/4	2,581.72
8		8		8		8	4,416.06	8	4,157.60	8	3,885.46	8	3,601.25	8	3,294.99	8	2,934.68	8	2,574.21
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,410.77	1/4	4,152.10	1/4	3,879.67	1/4	3,595.21	1/4	3,287.61	1/4	2,927.17	1/4	2,566.70
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,405.49	1/2	4,146.54	1/2	3,873.86	1/2	3,589.15	1/2	3,280.10	1/2	2,919.67	1/2	2,559.19
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,400.22	3/4	4,140.98	3/4	3,868.05	3/4	3,583.09	3/4	3,272.59	3/4	2,912.16	3/4	2,551.68
9		9		9		9	4,394.95	9	4,135.42	9	3,862.24	9	3,577.03	9	3,265.08	9	2,904.65	9	2,544.17
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,389.67	1/4	4,129.86	1/4	3,856.43	1/4	3,570.97	1/4	3,257.57	1/4	2,897.14	1/4	2,536.66
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,384.38	1/2	4,124.28	1/2	3,850.59	1/2	3,564.88	1/2	3,250.06	1/2	2,889.63	1/2	2,529.15
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,379.08	3/4	4,118.70	3/4	3,844.76	3/4	3,558.80	3/4	3,242.55	3/4	2,882.12	3/4	2,521.64
10		10		10		10	4,373.79	10	4,113.11	10	3,838.93	10	3,552.71	10	3,235.04	10	2,874.61	10	2,514.13
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,368.50	1/4	4,107.53	1/4	3,833.10	1/4	3,546.63	1/4	3,227.53	1/4	2,867.10	1/4	2,506.62
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,363.18	1/2	4,101.93	1/2	3,827.25	1/2	3,540.52	1/2	3,220.03	1/2	2,859.59	1/2	2,499.11
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,357.86	3/4	4,096.33	3/4	3,821.39	3/4	3,534.42	3/4	3,212.52	3/4	2,852.08	3/4	2,491.60
11		11		11		11	4,352.54	11	4,090.73	11	3,815.53	11	3,528.32	11	3,205.01	11	2,844.58	11	2,484.09
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,347.23	1/4	4,085.12	1/4	3,809.68	1/4	3,522.21	1/4	3,197.50	1/4	2,837.07	1/4	2,476.58
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,341.89	1/2	4,079.50	1/2	3,803.80	1/2	3,516.09	1/2	3,189.99	1/2	2,829.56	1/2	2,469.07
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,602.27	3/4	4,336.55	3/4	4,073.87	3/4	3,797.93	3/4	3,509.97	3/4	3,182.48	3/4	2,461.57

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'-03" 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 28024"

## 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	2,454.06	0	2,093.62	0	1,736.18	0	1,375.72	0	1,018.94	0	665.69	0	308.77	0		0		0	
1/4	2,446.55	1/4	2,086.11	1/4	1,728.74	1/4	1,368.20	1/4	1,011.58	1/4	658.35	1/4	301.25	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,439.05	1/2	2,078.67	1/2	1,721.23	1/2	1,360.69	1/2	1,004.21	1/2	651.01	1/2	293.74	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,431.54	3/4	2,071.22	3/4	1,713.72	3/4	1,353.18	3/4	996.84	3/4	643.66	3/4	286.23	3/4	3/4	3/4	3/4	3/4	3/4
1	2,424.03	1	2,063.78	1	1,706.20	1	1,345.67	1	989.47	1	636.32	1	278.72	1		1		1	
1/4	2,416.53	1/4	2,056.33	1/4	1,698.69	1/4	1,338.16	1/4	982.11	1/4	628.98	1/4	271.21	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,409.02	1/2	2,048.89	1/2	1,691.18	1/2	1,330.65	1/2	974.74	1/2	621.63	1/2	263.69	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,401.52	3/4	2,041.44	3/4	1,683.67	3/4	1,323.14	3/4	967.37	3/4	614.29	3/4	256.18	3/4	3/4	3/4	3/4	3/4	3/4
2	2,394.01	2	2,033.99	2	1,676.16	2	1,315.63	2	960.00	2	606.95	2	248.67	2		2		2	
1/4	2,386.50	1/4	2,026.55	1/4	1,668.65	1/4	1,308.12	1/4	952.64	1/4	599.61	1/4	241.16	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,379.00	1/2	2,019.10	1/2	1,661.14	1/2	1,300.60	1/2	945.27	1/2	592.26	1/2	233.65	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,371.49	3/4	2,011.66	3/4	1,653.63	3/4	1,293.09	3/4	937.90	3/4	584.92	3/4	226.13	3/4	3/4	3/4	3/4	3/4	3/4
3	2,363.98	3	2,004.21	3	1,646.12	3	1,285.58	3	930.53	3	577.58	3	218.62	3		3		3	
1/4	2,356.48	1/4	1,996.77	1/4	1,638.60	1/4	1,278.07	1/4	923.16	1/4	570.23	1/4	211.11	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,348.97	1/2	1,989.32	1/2	1,631.09	1/2	1,270.56	1/2	915.80	1/2	562.88	1/2	203.59	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,341.46	3/4	1,981.88	3/4	1,623.58	3/4	1,263.05	3/4	908.43	3/4	555.52	3/4	196.06	3/4	3/4	3/4	3/4	3/4	3/4
4	2,333.96	4	1,974.43	4	1,616.07	4	1,255.54	4	901.06	4	548.17	4	188.54	4		4		4	
1/4	2,326.45	1/4	1,966.99	1/4	1,608.56	1/4	1,248.03	1/4	893.69	1/4	540.81	1/4	181.01	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,318.94	1/2	1,959.54	1/2	1,601.05	1/2	1,240.52	1/2	886.33	1/2	533.44	1/2	173.49	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,311.44	3/4	1,952.10	3/4	1,593.54	3/4	1,233.00	3/4	878.96	3/4	526.07	3/4	165.97	3/4	3/4	3/4	3/4	3/4	3/4
5	2,303.93	5	1,944.65	5	1,586.03	5	1,225.49	5	871.59	5	518.69	5	158.44	5		5		5	
1/4	2,296.42	1/4	1,937.21	1/4	1,578.52	1/4	1,217.98	1/4	864.22	1/4	511.32	1/4	150.92	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,288.91	1/2	1,929.76	1/2	1,571.00	1/2	1,210.61	1/2	856.85	1/2	503.88	1/2	143.40	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,281.40	3/4	1,922.32	3/4	1,563.49	3/4	1,203.23	3/4	849.47	3/4	496.43	3/4	135.87	3/4	3/4	3/4	3/4	3/4	3/4
6	2,273.89	6	1,914.87	6	1,555.98	6	1,195.86	6	842.10	6	488.99	6	128.35	6		6		6	
1/4	2,266.38	1/4	1,907.42	1/4	1,548.47	1/4	1,188.48	1/4	834.73	1/4	481.55	1/4	120.82	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,258.87	1/2	1,899.98	1/2	1,540.96	1/2	1,181.11	1/2	827.36	1/2	474.03	1/2	113.30	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,251.36	3/4	1,892.53	3/4	1,533.45	3/4	1,173.74	3/4	819.98	3/4	466.52	3/4	105.78	3/4	3/4	3/4	3/4	3/4	3/4
7	2,243.85	7	1,885.09	7	1,525.94	7	1,166.36	7	812.61	7	459.01	7	98.25	7		7		7	
1/4	2,236.33	1/4	1,877.64	1/4	1,518.43	1/4	1,158.99	1/4	805.24	1/4	451.50	1/4	90.73	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,228.82	1/2	1,870.20	1/2	1,510.92	1/2	1,151.61	1/2	797.89	1/2	443.98	1/2	83.20	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,221.31	3/4	1,862.75	3/4	1,503.40	3/4	1,144.24	3/4	790.53	3/4	436.47	3/4	75.68	3/4	3/4	3/4	3/4	3/4	3/4
8	2,213.80	8	1,855.31	8	1,495.89	8	1,136.86	8	783.18	8	428.96	8	68.16	8		8		8	
1/4	2,206.29	1/4	1,847.86	1/4	1,488.38	1/4	1,129.49	1/4	775.82	1/4	421.45	1/4	60.63	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,198.78	1/2	1,840.42	1/2	1,480.87	1/2	1,122.11	1/2	768.48	1/2	413.94	1/2	54.05	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,191.27	3/4	1,832.97	3/4	1,473.36	3/4	1,114.74	3/4	761.14	3/4	406.42	3/4	47.47	3/4	3/4	3/4	3/4	3/4	3/4
9	2,183.76	9	1,825.53	9	1,465.85	9	1,107.36	9	753.80	9	398.91	9	40.88	9		9		9	
1/4	2,176.25	1/4	1,818.08	1/4	1,458.34	1/4	1,099.99	1/4	746.46	1/4	391.40	1/4	34.30	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,168.73	1/2	1,810.64	1/2	1,450.83	1/2	1,092.62	1/2	739.12	1/2	383.89	1/2	29.60	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,161.22	3/4	1,803.19	3/4	1,443.32	3/4	1,085.25	3/4	731.78	3/4	376.38	3/4	24.89	3/4	3/4	3/4	3/4	3/4	3/4
10	2,153.71	10	1,795.75	10	1,435.80	10	1,077.89	10	724.43	10	368.86	10	20.19	10		10		10	
1/4	2,146.20	1/4	1,788.30	1/4	1,428.29	1/4	1,070.52	1/4	717.09	1/4	361.35	1/4	15.49	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,138.69	1/2	1,780.85	1/2	1,420.78	1/2	1,063.15	1/2	709.75	1/2	353.84	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,131.18	3/4	1,773.41	3/4	1,413.27	3/4	1,055.78	3/4	702.41	3/4	346.33	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	2,123.67	11	1,765.96	11	1,405.76	11	1,048.42	11	695.06	11	338.82	11		11		11		11	
1/4	2,116.16	1/4	1,758.52	1/4	1,398.25	1/4	1,041.05	1/4	687.72	1/4	331.30	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,108.65	1/2	1,751.07	1/2	1,390.74	1/2	1,033.68	1/2	680.38	1/2	323.79	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,101.13	3/4	1,743.63	3/4	1,383.23	3/4	1,026.31	3/4	673.04	3/4	316.28	3/4		3/4	3/4	3/4	3/4	3/4	3/4

STRAPPED: 08/12/2002 CL - SW  
VERIFIED: 06/01/2023

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2023

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