



# BARGE "KIRBY 24703"

## ULLAGE (HERMETIC)

	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	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
1 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
2 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
2 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
3 PORT	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8
3 STBD	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 3 PORT IS 00-1/8"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 3 PORT, THE TRIM CORRECTED ULLAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 261'-00"

August 8, 2019

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

<http://www.pmacorp.net>



# BARGE "KIRBY 24703"

1 PORT  
ULLAGE TABLE  
HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "KIRBY 24302"

GAUGE HEIGHT 16'-05 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0		0	4,191.93	0	3,856.63	0	3,520.28	0	3,183.92	0	2,847.53	0	2,511.11		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,184.95	1/4	3,849.63	1/4	3,513.28	1/4	3,176.92	1/4	2,840.53	1/4	2,504.10		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,177.98	1/2	3,842.62	1/2	3,506.27	1/2	3,169.91	1/2	2,833.52	1/2	2,497.09		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,171.01	3/4	3,835.61	3/4	3,499.26	3/4	3,162.90	3/4	2,826.51	3/4	2,490.08		
1		1		1		1		1	4,164.03	1	3,828.60	1	3,492.25	1	3,155.89	1	2,819.50	1	2,483.07		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,157.05	1/4	3,821.60	1/4	3,485.25	1/4	3,148.89	1/4	2,812.50	1/4	2,476.06		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,150.08	1/2	3,814.59	1/2	3,478.24	1/2	3,141.88	1/2	2,805.49	1/2	2,469.05		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,143.11	3/4	3,807.58	3/4	3,471.23	3/4	3,134.87	3/4	2,798.48	3/4	2,462.04		
2		2		2		2		2	4,136.13	2	3,800.57	2	3,464.22	2	3,127.86	2	2,791.47	2	2,455.03		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,129.16	1/4	3,793.57	1/4	3,457.22	1/4	3,120.86	1/4	2,784.47	1/4	2,448.02		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,122.19	1/2	3,786.56	1/2	3,450.21	1/2	3,113.85	1/2	2,777.46	1/2	2,441.01		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,115.21	3/4	3,779.55	3/4	3,443.20	3/4	3,106.84	3/4	2,770.45	3/4	2,434.00		
3		3		3		3		3	4,108.24	3	3,772.54	3	3,436.19	3	3,099.83	3	2,763.44	3	2,426.99		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,101.26	1/4	3,765.54	1/4	3,429.19	1/4	3,092.83	1/4	2,756.43	1/4	2,419.98		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,094.29	1/2	3,758.53	1/2	3,422.18	1/2	3,085.82	1/2	2,749.42	1/2	2,412.97		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,087.31	3/4	3,751.52	3/4	3,415.17	3/4	3,078.81	3/4	2,742.41	3/4	2,405.96		
4		4		4		4		4	4,080.34	4	3,744.51	4	3,408.16	4	3,071.80	4	2,735.40	4	2,398.95		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,073.36	1/4	3,737.51	1/4	3,401.16	1/4	3,064.80	1/4	2,728.40	1/4	2,391.94		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,066.39	1/2	3,730.50	1/2	3,394.15	1/2	3,057.79	1/2	2,721.39	1/2	2,384.93		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,059.42	3/4	3,723.49	3/4	3,387.14	3/4	3,050.78	3/4	2,714.38	3/4	2,377.92		
5		5		5		5		5	4,052.44	5	3,716.48	5	3,380.13	5	3,043.77	5	2,707.37	5	2,370.91		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,045.47	1/4	3,709.48	1/4	3,373.13	1/4	3,036.76	1/4	2,700.36	1/4	2,363.90		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,343.25	1/2	4,038.50	1/2	3,702.47	1/2	3,366.12	1/2	3,029.75	1/2	2,693.35	1/2	2,356.89
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,339.86	3/4	4,031.53	3/4	3,695.46	3/4	3,359.11	3/4	3,022.74	3/4	2,686.34	3/4	2,349.88
6		6		6		6		6	4,336.47	6	4,024.55	6	3,688.45	6	3,352.10	6	3,015.73	6	2,679.33	6	2,342.87
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,333.08	1/4	4,017.58	1/4	3,681.45	1/4	3,345.10	1/4	3,008.73	1/4	2,672.32	1/4	2,335.86
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,329.69	1/2	4,010.60	1/2	3,674.44	1/2	3,338.09	1/2	3,001.72	1/2	2,665.31	1/2	2,328.85
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,325.13	3/4	4,003.63	3/4	3,667.43	3/4	3,331.08	3/4	2,994.71	3/4	2,658.30	3/4	2,321.84
7		7		7		7		7	4,320.58	7	3,996.65	7	3,660.42	7	3,324.07	7	2,987.70	7	2,651.29	7	2,314.82
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,316.02	1/4	3,989.68	1/4	3,653.42	1/4	3,317.07	1/4	2,980.70	1/4	2,644.29	1/4	2,307.81
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,311.46	1/2	3,982.70	1/2	3,646.41	1/2	3,310.06	1/2	2,973.69	1/2	2,637.28	1/2	2,300.80
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,305.70	3/4	3,975.71	3/4	3,639.40	3/4	3,303.05	3/4	2,966.68	3/4	2,630.27	3/4	2,293.79
8		8		8		8		8	4,299.93	8	3,968.72	8	3,632.40	8	3,296.04	8	2,959.67	8	2,623.26	8	2,286.78
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,294.17	1/4	3,961.73	1/4	3,625.39	1/4	3,289.04	1/4	2,952.66	1/4	2,616.25	1/4	2,279.77
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,288.40	1/2	3,954.74	1/2	3,618.39	1/2	3,282.03	1/2	2,945.65	1/2	2,609.24	1/2	2,272.76
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,281.72	3/4	3,947.73	3/4	3,611.38	3/4	3,275.02	3/4	2,938.64	3/4	2,602.23	3/4	2,265.75
9		9		9		9		9	4,275.04	9	3,940.73	9	3,604.37	9	3,268.01	9	2,931.63	9	2,595.22	9	2,258.74
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,268.35	1/4	3,933.72	1/4	3,597.37	1/4	3,261.01	1/4	2,924.63	1/4	2,588.21	1/4	2,251.73
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,261.67	1/2	3,926.71	1/2	3,590.36	1/2	3,254.00	1/2	2,917.62	1/2	2,581.20	1/2	2,244.72
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,254.70	3/4	3,919.70	3/4	3,583.35	3/4	3,246.99	3/4	2,910.61	3/4	2,574.19	3/4	2,237.71
10		10		10		10		10	4,247.72	10	3,912.70	10	3,576.34	10	3,239.98	10	2,903.60	10	2,567.18	10	2,230.70
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,240.75	1/4	3,905.69	1/4	3,569.34	1/4	3,232.98	1/4	2,896.60	1/4	2,560.18	1/4	2,223.69
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,233.77	1/2	3,898.68	1/2	3,562.33	1/2	3,225.97	1/2	2,889.59	1/2	2,553.17	1/2	2,216.68
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,226.80	3/4	3,891.67	3/4	3,555.32	3/4	3,218.96	3/4	2,882.58	3/4	2,546.16	3/4	2,209.67
11		11		11		11		11	4,219.82	11	3,884.66	11	3,548.31	11	3,211.95	11	2,875.57	11	2,539.15	11	2,202.66
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,212.85	1/4	3,877.66	1/4	3,541.31	1/4	3,204.95	1/4	2,868.56	1/4	2,532.14	1/4	2,195.65
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,205.87	1/2	3,870.65	1/2	3,534.30	1/2	3,197.94	1/2	2,861.55	1/2	2,525.13	1/2	2,188.64
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,198.90	3/4	3,863.64	3/4	3,527.29	3/4	3,190.93	3/4	2,854.54	3/4	2,518.12	3/4	2,181.63

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 44'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
 Pearland, Texas 77588  
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# BARGE "KIRBY 24703"

**1 PORT  
ULLAGE TABLE  
HERMETIC**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "KIRBY 24302"

GAUGE HEIGHT 16'-05 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	2,174.62	0	1,838.12	0	1,501.63	0	1,165.14	0	828.64	0	492.21	0	156.08	0		0		0	
1/4	2,167.61	1/4	1,831.11	1/4	1,494.62	1/4	1,158.13	1/4	821.63	1/4	485.21	1/4	149.10	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,160.60	1/2	1,824.10	1/2	1,487.61	1/2	1,151.12	1/2	814.62	1/2	478.20	1/2	142.13	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,153.59	3/4	1,817.09	3/4	1,480.60	3/4	1,144.11	3/4	807.61	3/4	471.19	3/4	135.15	3/4	3/4	3/4	3/4	3/4	3/4
1	2,146.58	1	1,810.08	1	1,473.59	1	1,137.09	1	800.60	1	464.18	1	128.18	1		1		1	
1/4	2,139.57	1/4	1,803.07	1/4	1,466.58	1/4	1,130.08	1/4	793.59	1/4	457.18	1/4	121.20	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,132.56	1/2	1,796.06	1/2	1,459.57	1/2	1,123.07	1/2	786.58	1/2	450.17	1/2	114.23	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,125.55	3/4	1,789.05	3/4	1,452.56	3/4	1,116.06	3/4	779.57	3/4	443.16	3/4	107.56	3/4	3/4	3/4	3/4	3/4	3/4
2	2,118.54	2	1,782.04	2	1,445.55	2	1,109.05	2	772.56	2	436.15	2	100.88	2		2		2	
1/4	2,111.53	1/4	1,775.03	1/4	1,438.54	1/4	1,102.04	1/4	765.55	1/4	429.15	1/4	94.21	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,104.52	1/2	1,768.02	1/2	1,431.53	1/2	1,095.03	1/2	758.54	1/2	422.14	1/2	87.54	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,097.51	3/4	1,761.01	3/4	1,424.52	3/4	1,088.02	3/4	751.53	3/4	415.13	3/4	81.17	3/4	3/4	3/4	3/4	3/4	3/4
3	2,090.49	3	1,754.00	3	1,417.51	3	1,081.01	3	744.52	3	408.12	3	74.80	3		3		3	
1/4	2,083.48	1/4	1,746.99	1/4	1,410.50	1/4	1,074.00	1/4	737.51	1/4	401.12	1/4	68.43	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,076.47	1/2	1,739.98	1/2	1,403.49	1/2	1,066.99	1/2	730.50	1/2	394.11	1/2	62.06	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,069.46	3/4	1,732.97	3/4	1,396.48	3/4	1,059.98	3/4	723.49	3/4	387.10	3/4	56.02	3/4	3/4	3/4	3/4	3/4	3/4
4	2,062.45	4	1,725.96	4	1,389.47	4	1,052.97	4	716.48	4	380.09	4	49.98	4		4		4	
1/4	2,055.44	1/4	1,718.95	1/4	1,382.46	1/4	1,045.96	1/4	709.47	1/4	373.08	1/4	43.94	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,048.43	1/2	1,711.94	1/2	1,375.45	1/2	1,038.95	1/2	702.46	1/2	366.07	1/2	37.90	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,041.42	3/4	1,704.93	3/4	1,368.44	3/4	1,031.94	3/4	695.45	3/4	359.06	3/4	33.08	3/4	3/4	3/4	3/4	3/4	3/4
5	2,034.41	5	1,697.92	5	1,361.43	5	1,024.93	5	688.44	5	352.05	5	28.26	5		5		5	
1/4	2,027.40	1/4	1,690.91	1/4	1,354.42	1/4	1,017.92	1/4	681.43	1/4	345.04	1/4	23.44	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,020.39	1/2	1,683.90	1/2	1,347.41	1/2	1,010.91	1/2	674.42	1/2	338.03	1/2	18.62	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,013.38	3/4	1,676.89	3/4	1,340.40	3/4	1,003.90	3/4	667.41	3/4	331.02	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	2,006.37	6	1,669.88	6	1,333.39	6	996.89	6	660.39	6	324.01	6		6		6		6	
1/4	1,999.36	1/4	1,662.87	1/4	1,326.38	1/4	989.88	1/4	653.39	1/4	317.00	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,992.35	1/2	1,655.86	1/2	1,319.37	1/2	982.87	1/2	646.38	1/2	309.99	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,985.34	3/4	1,648.85	3/4	1,312.36	3/4	975.86	3/4	639.37	3/4	302.98	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	1,978.33	7	1,641.84	7	1,305.35	7	968.85	7	632.36	7	295.97	7		7		7		7	
1/4	1,971.32	1/4	1,634.83	1/4	1,298.34	1/4	961.84	1/4	625.35	1/4	288.96	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,964.31	1/2	1,627.82	1/2	1,291.33	1/2	954.83	1/2	618.34	1/2	281.95	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,957.30	3/4	1,620.81	3/4	1,284.32	3/4	947.82	3/4	611.33	3/4	274.94	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	1,950.29	8	1,613.79	8	1,277.31	8	940.81	8	604.32	8	267.93	8		8		8		8	
1/4	1,943.28	1/4	1,606.78	1/4	1,270.30	1/4	933.80	1/4	597.31	1/4	260.92	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,936.27	1/2	1,599.77	1/2	1,263.29	1/2	926.79	1/2	590.30	1/2	253.91	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,929.26	3/4	1,592.76	3/4	1,256.28	3/4	919.78	3/4	583.29	3/4	246.90	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	1,922.25	9	1,585.75	9	1,249.27	9	912.76	9	576.28	9	239.89	9		9		9		9	
1/4	1,915.24	1/4	1,578.74	1/4	1,242.26	1/4	905.75	1/4	569.27	1/4	232.88	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,908.23	1/2	1,571.73	1/2	1,235.25	1/2	898.74	1/2	562.26	1/2	225.87	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,901.22	3/4	1,564.72	3/4	1,228.24	3/4	891.73	3/4	555.25	3/4	218.86	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	1,894.21	10	1,557.71	10	1,221.23	10	884.72	10	548.24	10	211.85	10		10		10		10	
1/4	1,887.20	1/4	1,550.70	1/4	1,214.22	1/4	877.71	1/4	541.23	1/4	204.84	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,880.19	1/2	1,543.69	1/2	1,207.21	1/2	870.70	1/2	534.22	1/2	197.83	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,873.18	3/4	1,536.68	3/4	1,200.20	3/4	863.69	3/4	527.21	3/4	190.82	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,866.17	11	1,529.67	11	1,193.19	11	856.68	11	520.20	11	183.81	11		11		11		11	
1/4	1,859.16	1/4	1,522.66	1/4	1,186.18	1/4	849.67	1/4	513.19	1/4	176.80	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,852.15	1/2	1,515.65	1/2	1,179.17	1/2	842.66	1/2	506.18	1/2	169.79	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,845.14	3/4	1,508.64	3/4	1,172.16	3/4	835.65	3/4	499.17	3/4	162.78	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/10/1995 CTC  
RECALCULATED: 08/08/2019 CL  
REPRINTED: 08/08/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2019

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



# BARGE "KIRBY 24703"

## 1 STBD

### ULLAGE TABLE

### HERMETIC

### GAUGE HEIGHT 16'-05 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "KIRBY 24302"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0		0	4,195.37	0	3,859.77	0	3,523.11	0	3,186.44	0	2,849.72	0	2,512.96		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,188.40	1/4	3,852.76	1/4	3,516.10	1/4	3,179.43	1/4	2,842.70	1/4	2,505.95		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,181.42	1/2	3,845.74	1/2	3,509.08	1/2	3,172.41	1/2	2,835.68	1/2	2,498.93		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,174.44	3/4	3,838.73	3/4	3,502.07	3/4	3,165.40	3/4	2,828.67	3/4	2,491.91		
1		1		1		1		1	4,167.46	1	3,831.72	1	3,495.05	1	3,158.38	1	2,821.65	1	2,484.90		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,160.48	1/4	3,824.71	1/4	3,488.04	1/4	3,151.37	1/4	2,814.64	1/4	2,477.88		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,153.50	1/2	3,817.69	1/2	3,481.02	1/2	3,144.35	1/2	2,807.62	1/2	2,470.86		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,146.52	3/4	3,810.68	3/4	3,474.01	3/4	3,137.34	3/4	2,800.61	3/4	2,463.84		
2		2		2		2		2	4,139.54	2	3,803.66	2	3,467.00	2	3,130.33	2	2,793.59	2	2,456.83		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,132.56	1/4	3,796.65	1/4	3,459.99	1/4	3,123.32	1/4	2,786.58	1/4	2,449.81		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,125.58	1/2	3,789.63	1/2	3,452.97	1/2	3,116.30	1/2	2,779.56	1/2	2,442.79		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,118.60	3/4	3,782.62	3/4	3,445.96	3/4	3,109.29	3/4	2,772.54	3/4	2,435.77		
3		3		3		3		3	4,111.61	3	3,775.61	3	3,438.94	3	3,102.27	3	2,765.53	3	2,428.76		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,104.63	1/4	3,768.60	1/4	3,431.93	1/4	3,095.26	1/4	2,758.51	1/4	2,421.74		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,097.65	1/2	3,761.58	1/2	3,424.91	1/2	3,088.24	1/2	2,751.49	1/2	2,414.72		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,090.67	3/4	3,754.57	3/4	3,417.90	3/4	3,081.23	3/4	2,744.48	3/4	2,407.70		
4		4		4		4		4	4,083.69	4	3,747.55	4	3,410.89	4	3,074.21	4	2,737.46	4	2,400.69		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,076.71	1/4	3,740.54	1/4	3,403.88	1/4	3,067.20	1/4	2,730.45	1/4	2,393.67		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,069.73	1/2	3,733.52	1/2	3,396.86	1/2	3,060.18	1/2	2,723.43	1/2	2,386.65		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,062.75	3/4	3,726.51	3/4	3,389.85	3/4	3,053.17	3/4	2,716.42	3/4	2,379.64		
5		5		5		5		5	4,055.77	5	3,719.50	5	3,382.83	5	3,046.15	5	2,709.40	5	2,372.62		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,048.79	1/4	3,712.49	1/4	3,375.82	1/4	3,039.14	1/4	2,702.39	1/4	2,365.61		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,041.81	1/2	3,705.47	1/2	3,368.80	1/2	3,032.12	1/2	2,695.37	1/2	2,358.59		
3/4	3/4	3/4	3/4	3/4	7/8	3/4	7/8	3/4	4,342.52	3/4	4,034.83	3/4	3,698.46	3/4	3,361.79	3/4	3,025.11	3/4	2,688.36	3/4	2,351.57
6		6		6		6		6	4,027.85	6	3,691.44	6	3,354.77	6	3,018.09	6	2,681.34	6	2,344.56		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,336.99	1/4	4,020.87	1/4	3,684.43	1/4	3,347.76	1/4	3,011.08	1/4	2,674.33	1/4	2,337.54
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,332.94	1/2	4,013.89	1/2	3,677.41	1/2	3,340.74	1/2	3,004.06	1/2	2,667.31	1/2	2,330.52
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,328.53	3/4	4,006.91	3/4	3,670.40	3/4	3,333.73	3/4	2,997.05	3/4	2,660.29	3/4	2,323.50
7		7		7		7		7	4,324.11	7	3,999.92	7	3,663.39	7	3,326.72	7	2,990.03	7	2,653.28	7	2,316.49
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,319.70	1/4	3,992.94	1/4	3,656.38	1/4	3,319.71	1/4	2,983.02	1/4	2,646.26	1/4	2,309.47
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,314.70	1/2	3,985.95	1/2	3,649.36	1/2	3,312.69	1/2	2,976.00	1/2	2,639.24	1/2	2,302.45
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,309.11	3/4	3,978.96	3/4	3,642.35	3/4	3,305.68	3/4	2,968.98	3/4	2,632.23	3/4	2,295.43
8		8		8		8		8	4,303.52	8	3,971.97	8	3,635.33	8	3,298.66	8	2,961.97	8	2,625.21	8	2,288.42
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,297.93	1/4	3,964.98	1/4	3,628.32	1/4	3,291.65	1/4	2,954.95	1/4	2,618.20	1/4	2,281.40
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,291.83	1/2	3,957.97	1/2	3,621.30	1/2	3,284.63	1/2	2,947.93	1/2	2,611.18	1/2	2,274.38
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,285.22	3/4	3,950.96	3/4	3,614.29	3/4	3,277.62	3/4	2,940.92	3/4	2,604.17	3/4	2,267.37
9		9		9		9		9	4,278.60	9	3,943.94	9	3,607.27	9	3,270.61	9	2,933.90	9	2,597.15	9	2,260.35
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,271.99	1/4	3,936.93	1/4	3,600.26	1/4	3,263.60	1/4	2,926.89	1/4	2,590.14	1/4	2,253.34
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,265.19	1/2	3,929.91	1/2	3,593.24	1/2	3,256.58	1/2	2,919.87	1/2	2,583.12	1/2	2,246.32
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,258.21	3/4	3,922.90	3/4	3,586.23	3/4	3,249.57	3/4	2,912.86	3/4	2,576.10	3/4	2,239.30
10		10		10		10		10	4,251.22	10	3,915.89	10	3,579.22	10	3,242.55	10	2,905.84	10	2,569.09	10	2,232.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,244.24	1/4	3,908.88	1/4	3,572.21	1/4	3,235.54	1/4	2,898.83	1/4	2,562.07	1/4	2,225.27
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,237.26	1/2	3,901.86	1/2	3,565.19	1/2	3,228.52	1/2	2,891.81	1/2	2,555.05	1/2	2,218.25
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,230.27	3/4	3,894.85	3/4	3,558.18	3/4	3,221.51	3/4	2,884.80	3/4	2,548.04	3/4	2,211.23
11		11		11		11		11	4,223.29	11	3,887.83	11	3,551.16	11	3,214.50	11	2,877.78	11	2,541.02	11	2,204.22
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,216.30	1/4	3,880.82	1/4	3,544.15	1/4	3,207.49	1/4	2,870.77	1/4	2,534.01	1/4	2,197.20
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,209.32	1/2	3,873.80	1/2	3,537.13	1/2	3,200.47	1/2	2,863.75	1/2	2,526.99	1/2	2,190.18
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,202.35	3/4	3,866.79	3/4	3,530.12	3/4	3,193.46	3/4	2,856.73	3/4	2,519.98	3/4	2,183.17

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 44'-06" FORWARD OF AFT BULKHEAD.

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



# BARGE "KIRBY 24703"

**1 STBD**  
**ULLAGE TABLE**  
**HERMETIC**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "KIRBY 24302"

GAUGE HEIGHT 16'-05 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	2,176.15	0	1,839.35	0	1,502.54	0	1,165.73	0	828.93	0	492.46	0	156.23	0		0		0	
1/4	2,169.14	1/4	1,832.33	1/4	1,495.52	1/4	1,158.72	1/4	821.91	1/4	485.46	1/4	149.25	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,162.12	1/2	1,825.31	1/2	1,488.50	1/2	1,151.70	1/2	814.89	1/2	478.46	1/2	142.27	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,155.10	3/4	1,818.29	3/4	1,481.49	3/4	1,144.68	3/4	807.87	3/4	471.46	3/4	135.29	3/4	3/4	3/4	3/4	3/4	3/4
1	2,148.09	1	1,811.28	1	1,474.47	1	1,137.67	1	800.86	1	464.45	1	128.30	1	1	1	1	1	1
1/4	2,141.07	1/4	1,804.26	1/4	1,467.46	1/4	1,130.65	1/4	793.84	1/4	457.45	1/4	121.32	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,134.05	1/2	1,797.24	1/2	1,460.44	1/2	1,123.63	1/2	786.82	1/2	450.45	1/2	114.45	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,127.03	3/4	1,790.23	3/4	1,453.42	3/4	1,116.61	3/4	779.81	3/4	443.45	3/4	107.70	3/4	3/4	3/4	3/4	3/4	3/4
2	2,120.02	2	1,783.21	2	1,446.41	2	1,109.60	2	772.79	2	436.44	2	100.94	2	2	2	2	2	2
1/4	2,113.00	1/4	1,776.20	1/4	1,439.39	1/4	1,102.58	1/4	765.78	1/4	429.44	1/4	94.19	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,105.98	1/2	1,769.18	1/2	1,432.37	1/2	1,095.56	1/2	758.76	1/2	422.44	1/2	87.62	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,098.96	3/4	1,762.16	3/4	1,425.35	3/4	1,088.55	3/4	751.74	3/4	415.44	3/4	81.25	3/4	3/4	3/4	3/4	3/4	3/4
3	2,091.95	3	1,755.15	3	1,418.34	3	1,081.53	3	744.73	3	408.43	3	74.87	3	3	3	3	3	3
1/4	2,084.93	1/4	1,748.13	1/4	1,411.32	1/4	1,074.52	1/4	737.71	1/4	401.43	1/4	68.50	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,077.91	1/2	1,741.11	1/2	1,404.30	1/2	1,067.50	1/2	730.69	1/2	394.43	1/2	62.27	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,070.90	3/4	1,734.09	3/4	1,397.28	3/4	1,060.48	3/4	723.67	3/4	387.43	3/4	56.19	3/4	3/4	3/4	3/4	3/4	3/4
4	2,063.88	4	1,727.08	4	1,390.27	4	1,053.47	4	716.66	4	380.42	4	50.12	4	4	4	4	4	4
1/4	2,056.87	1/4	1,720.06	1/4	1,383.25	1/4	1,046.45	1/4	709.64	1/4	373.42	1/4	44.04	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,049.85	1/2	1,713.04	1/2	1,376.23	1/2	1,039.43	1/2	702.62	1/2	366.41	1/2	38.48	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,042.83	3/4	1,706.02	3/4	1,369.22	3/4	1,032.41	3/4	695.61	3/4	359.40	3/4	33.44	3/4	3/4	3/4	3/4	3/4	3/4
5	2,035.82	5	1,699.01	5	1,362.20	5	1,025.40	5	688.59	5	352.38	5	28.39	5	5	5	5	5	5
1/4	2,028.80	1/4	1,691.99	1/4	1,355.19	1/4	1,018.38	1/4	681.58	1/4	345.37	1/4	23.35	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,021.78	1/2	1,684.97	1/2	1,348.17	1/2	1,011.36	1/2	674.56	1/2	338.35	1/2	18.64	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,014.76	3/4	1,677.96	3/4	1,341.15	3/4	1,004.34	3/4	667.55	3/4	331.33	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	2,007.75	6	1,670.94	6	1,334.14	6	997.33	6	660.54	6	324.32	6		6	6	6	6	6	6
1/4	2,000.73	1/4	1,663.93	1/4	1,327.12	1/4	990.31	1/4	653.53	1/4	317.30	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,993.71	1/2	1,656.91	1/2	1,320.10	1/2	983.29	1/2	646.52	1/2	310.28	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,986.70	3/4	1,649.89	3/4	1,313.08	3/4	976.28	3/4	639.52	3/4	303.27	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	1,979.68	7	1,642.88	7	1,306.07	7	969.26	7	632.51	7	296.25	7		7	7	7	7	7	7
1/4	1,972.67	1/4	1,635.86	1/4	1,299.05	1/4	962.25	1/4	625.51	1/4	289.24	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,965.65	1/2	1,628.84	1/2	1,292.03	1/2	955.23	1/2	618.51	1/2	282.22	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,958.63	3/4	1,621.82	3/4	1,285.02	3/4	948.21	3/4	611.51	3/4	275.20	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	1,951.62	8	1,614.81	8	1,278.00	8	941.20	8	604.50	8	268.19	8		8	8	8	8	8	8
1/4	1,944.60	1/4	1,607.79	1/4	1,270.99	1/4	934.18	1/4	597.50	1/4	261.17	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,937.58	1/2	1,600.77	1/2	1,263.97	1/2	927.16	1/2	590.50	1/2	254.15	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,930.56	3/4	1,593.75	3/4	1,256.95	3/4	920.14	3/4	583.50	3/4	247.13	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	1,923.55	9	1,586.74	9	1,249.94	9	913.13	9	576.49	9	240.12	9		9	9	9	9	9	9
1/4	1,916.53	1/4	1,579.72	1/4	1,242.92	1/4	906.11	1/4	569.49	1/4	233.10	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,909.51	1/2	1,572.70	1/2	1,235.90	1/2	899.09	1/2	562.49	1/2	226.09	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,902.49	3/4	1,565.69	3/4	1,228.88	3/4	892.07	3/4	555.49	3/4	219.10	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	1,895.48	10	1,558.67	10	1,221.87	10	885.06	10	548.48	10	212.10	10		10	10	10	10	10	10
1/4	1,888.46	1/4	1,551.66	1/4	1,214.85	1/4	878.04	1/4	541.48	1/4	205.11	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,881.44	1/2	1,544.64	1/2	1,207.83	1/2	871.02	1/2	534.48	1/2	198.12	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,874.43	3/4	1,537.62	3/4	1,200.81	3/4	864.01	3/4	527.48	3/4	191.14	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,867.41	11	1,530.61	11	1,193.80	11	856.99	11	520.47	11	184.16	11		11	11	11	11	11	11
1/4	1,860.40	1/4	1,523.59	1/4	1,186.78	1/4	849.98	1/4	513.47	1/4	177.18	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,853.38	1/2	1,516.57	1/2	1,179.76	1/2	842.96	1/2	506.47	1/2	170.20	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,846.36	3/4	1,509.55	3/4	1,172.75	3/4	835.94	3/4	499.47	3/4	163.22	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/10/1995 CTC  
 RECALCULATED: 08/08/2019 CL  
 REPRINTED: 08/08/2019 CL

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# BARGE "KIRBY 24703"

2 PORT

ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 16'-05 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "KIRBY 24302"

0 FT.			1 FT.			2 FT.			3 FT.			4 FT.			5 FT.			6 FT.			7 FT.			8 FT.			9 FT.								
IN			IN			IN			IN			IN			IN			IN			IN			IN			IN			IN					
0			0			0			0			0	4,180.04		0	3,845.68		0	3,510.25		0	3,174.82		0	2,839.36		0	2,503.89							
1/4		1/4	1/4		1/4	1/4		1/4	1/4		1/4	1/4	4,173.09	1/4	1/4	3,838.69	1/4	1/4	3,503.26	1/4	1/4	3,167.83	1/4	1/4	2,832.37	1/4	1/4	2,496.90							
1/2		1/2	1/2		1/2	1/2		1/2	1/2		1/2	1/2	4,166.13	1/2	1/2	3,831.71	1/2	1/2	3,496.28	1/2	1/2	3,160.85	1/2	1/2	2,825.39	1/2	1/2	2,489.91							
3/4		3/4	3/4		3/4	3/4		3/4	3/4		3/4	3/4	4,159.18	3/4	3/4	3,824.72	3/4	3/4	3,489.29	3/4	3/4	3,153.86	3/4	3/4	2,818.40	3/4	3/4	2,482.92							
1		1	1		1	1		1	1		1	1	4,152.22	1	1	3,817.73	1	1	3,482.30	1	1	3,146.87	1	1	2,811.41	1	1	2,475.93							
1/4		1/4	1/4		1/4	1/4		1/4	1/4		1/4	1/4	4,145.27	1/4	1/4	3,810.74	1/4	1/4	3,475.31	1/4	1/4	3,139.88	1/4	1/4	2,804.42	1/4	1/4	2,468.94							
1/2		1/2	1/2		1/2	1/2		1/2	1/2		1/2	1/2	4,138.31	1/2	1/2	3,803.75	1/2	1/2	3,468.33	1/2	1/2	3,132.89	1/2	1/2	2,797.43	1/2	1/2	2,461.96							
3/4		3/4	3/4		3/4	3/4		3/4	3/4		3/4	3/4	4,131.36	3/4	3/4	3,796.76	3/4	3/4	3,461.34	3/4	3/4	3,125.90	3/4	3/4	2,790.44	3/4	3/4	2,454.97							
2		2	2		2	2		2	2		2	2	4,124.40	2	2	3,789.77	2	2	3,454.35	2	2	3,118.91	2	2	2,783.45	2	2	2,447.98							
1/4		1/4	1/4		1/4	1/4		1/4	1/4		1/4	1/4	4,117.45	1/4	1/4	3,782.78	1/4	1/4	3,447.36	1/4	1/4	3,111.92	1/4	1/4	2,776.46	1/4	1/4	2,440.99							
1/2		1/2	1/2		1/2	1/2		1/2	1/2		1/2	1/2	4,110.49	1/2	1/2	3,775.80	1/2	1/2	3,440.37	1/2	1/2	3,104.94	1/2	1/2	2,769.47	1/2	1/2	2,433.99							
3/4		3/4	3/4		3/4	3/4		3/4	3/4		3/4	3/4	4,103.54	3/4	3/4	3,768.81	3/4	3/4	3,433.38	3/4	3/4	3,097.95	3/4	3/4	2,762.48	3/4	3/4	2,427.00							
3		3	3		3	3		3	3		3	3	4,096.58	3	3	3,761.82	3	3	3,426.39	3	3	3,090.96	3	3	2,755.49	3	3	2,420.01							
1/4		1/4	1/4		1/4	1/4		1/4	1/4		1/4	1/4	4,089.63	1/4	1/4	3,754.83	1/4	1/4	3,419.40	1/4	1/4	3,083.97	1/4	1/4	2,748.50	1/4	1/4	2,413.02							
1/2		1/2	1/2		1/2	1/2		1/2	1/2		1/2	1/2	4,082.67	1/2	1/2	3,747.85	1/2	1/2	3,412.42	1/2	1/2	3,076.98	1/2	1/2	2,741.52	1/2	1/2	2,406.03							
3/4		3/4	3/4		3/4	3/4		3/4	3/4		3/4	3/4	4,075.72	3/4	3/4	3,740.86	3/4	3/4	3,405.43	3/4	3/4	3,069.99	3/4	3/4	2,734.53	3/4	3/4	2,399.04							
4		4	4		4	4		4	4		4	4	4,068.76	4	4	3,733.87	4	4	3,398.44	4	4	3,063.00	4	4	2,727.54	4	4	2,392.05							
1/4		1/4	1/4		1/4	1/4		1/4	1/4		1/4	1/4	4,061.81	1/4	1/4	3,726.88	1/4	1/4	3,391.45	1/4	1/4	3,056.01	1/4	1/4	2,720.55	1/4	1/4	2,385.06							
1/2		1/2	1/2		1/2	1/2		1/2	1/2		1/2	1/2	4,054.85	1/2	1/2	3,719.90	1/2	1/2	3,384.47	1/2	1/2	3,049.03	1/2	1/2	2,713.56	1/2	1/2	2,378.07							
3/4		3/4	3/4		3/4	3/4		3/4	3/4		3/4	3/4	4,047.90	3/4	3/4	3,712.91	3/4	3/4	3,377.48	3/4	3/4	3,042.04	3/4	3/4	2,706.57	3/4	3/4	2,371.08							
5		5	5		5	5		5	5		5	5	4,040.94	5	5	3,705.92	5	5	3,370.49	5	5	3,035.05	5	5	2,699.58	5	5	2,364.09							
1/4		1/4	1/4		1/4	1/4		1/4	1/4		1/4	1/4	4,033.99	1/4	1/4	3,698.93	1/4	1/4	3,363.50	1/4	1/4	3,028.06	1/4	1/4	2,692.59	1/4	1/4	2,357.10							
1/2		1/2	1/2		1/2	1/2		1/2	1/2		1/2	1/2	4,027.03	1/2	1/2	3,691.95	1/2	1/2	3,356.51	1/2	1/2	3,021.07	1/2	1/2	2,685.61	1/2	1/2	2,350.11							
3/4		3/4	3/4		3/4	3/4		3/4	3/4		3/4	3/4	4,020.08	3/4	3/4	3,684.96	3/4	3/4	3,349.53	3/4	3/4	3,014.08	3/4	3/4	2,678.62	3/4	3/4	2,343.12							
6		6	6		6	6		6	6	4,325.35	6	6	4,013.13	6	6	3,677.97	6	6	3,342.54	6	6	3,007.09	6	6	2,671.63	6	6	2,336.13							
1/4		1/4	1/4		1/4	1/4		1/4	1/4	4,321.39	1/4	1/4	4,006.18	1/4	1/4	3,670.98	1/4	1/4	3,335.55	1/4	1/4	3,000.11	1/4	1/4	2,664.64	1/4	1/4	2,329.14							
1/2		1/2	1/2		1/2	1/2		1/2	1/2	4,317.21	1/2	1/2	3,999.22	1/2	1/2	3,663.99	1/2	1/2	3,328.56	1/2	1/2	2,993.12	1/2	1/2	2,657.65	1/2	1/2	2,322.15							
3/4		3/4	3/4		3/4	3/4		3/4	3/4	4,312.81	3/4	3/4	3,992.27	3/4	3/4	3,657.00	3/4	3/4	3,321.58	3/4	3/4	2,986.13	3/4	3/4	2,650.66	3/4	3/4	2,315.16							
7		7	7		7	7		7	7	4,308.41	7	7	3,985.31	7	7	3,650.01	7	7	3,314.61	7	7	2,979.14	7	7	2,643.67	7	7	2,308.17							
1/4		1/4	1/4		1/4	1/4		1/4	1/4	4,304.01	1/4	1/4	3,978.36	1/4	1/4	3,643.02	1/4	1/4	3,307.63	1/4	1/4	2,972.15	1/4	1/4	2,636.68	1/4	1/4	2,301.18							
1/2		1/2	1/2		1/2	1/2		1/2	1/2	4,299.01	1/2	1/2	3,971.40	1/2	1/2	3,636.04	1/2	1/2	3,300.64	1/2	1/2	2,965.16	1/2	1/2	2,629.69	1/2	1/2	2,294.19							
3/4		3/4	3/4		3/4	3/4		3/4	3/4	4,293.42	3/4	3/4	3,964.43	3/4	3/4	3,629.05	3/4	3/4	3,293.64	3/4	3/4	2,958.17	3/4	3/4	2,622.70	3/4	3/4	2,287.20							
8		8	8		8	8		8	8	4,287.82	8	8	3,957.46	8	8	3,622.06	8	8	3,286.65	8	8	2,951.18	8	8	2,615.71	8	8	2,280.21							
1/4		1/4	1/4		1/4	1/4		1/4	1/4	4,282.23	1/4	1/4	3,950.49	1/4	1/4	3,615.07	1/4	1/4	3,279.65	1/4	1/4	2,944.20	1/4	1/4	2,608.72	1/4	1/4	2,273.22							
1/2		1/2	1/2		1/2	1/2		1/2	1/2	4,276.14	1/2	1/2	3,943.52	1/2	1/2	3,608.09	1/2	1/2	3,272.66	1/2	1/2	2,937.21	1/2	1/2	2,601.74	1/2	1/2	2,266.23							
3/4		3/4	3/4		3/4	3/4		3/4	3/4	4,269.55	3/4	3/4	3,936.53	3/4	3/4	3,601.10	3/4	3/4	3,265.67	3/4	3/4	2,930.22	3/4	3/4	2,594.75	3/4	3/4	2,259.24							
9		9	9		9	9		9	9	4,262.96	9	9	3,929.54	9	9	3,594.11	9	9	3,258.68	9	9	2,923.23	9	9	2,587.76	9	9	2,252.25							
1/4		1/4	1/4		1/4	1/4		1/4	1/4	4,256.37	1/4	1/4	3,922.55	1/4	1/4	3,587.12	1/4	1/4	3,251.69	1/4	1/4	2,916.24	1/4	1/4	2,580.77	1/4	1/4	2,245.26							
1/2		1/2	1/2		1/2	1/2		1/2	1/2	4,249.59	1/2	1/2	3,915.56	1/2	1/2	3,580.14	1/2	1/2	3,244.71	1/2	1/2	2,909.25	1/2	1/2	2,573.78	1/2	1/2	2,238.27							
3/4		3/4	3/4		3/4	3/4		3/4	3/4	4,242.64	3/4	3/4	3,908.57	3/4	3/4	3,573.15	3/4	3/4	3,237.72	3/4	3/4	2,902.26	3/4	3/4	2,566.79	3/4	3/4	2,231.28							
10		10	10		10	10		10	10	4,235.68	10	10	3,901.58	10	10	3,566.16	10	10	3,230.73	10	10	2,895.27	10	10	2,559.80	10	10	2,224.29							
1/4		1/4	1/4		1/4	1/4		1/4	1/4	4,228.73	1/4	1/4	3,894.59	1/4	1/4	3,559.17	1/4	1/4	3,223.74	1/4	1/4	2,888.28	1/4	1/4	2,552.81	1/4	1/4	2,217.30							
1/2		1/2	1/2		1/2	1/2		1/2	1/2	4,221.77	1/2	1/2	3,887.61	1/2	1/2	3,552.18	1/2	1/2																	



# BARGE "KIRBY 24703"

**2 PORT  
ULLAGE TABLE  
HERMETIC**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "KIRBY 24302"

GAUGE HEIGHT 16'-05 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	2,168.37	0	1,832.85	0	1,497.32	0	1,161.80	0	826.27	0	490.81	0	155.64	0		0		0	
1/4	2,161.38	1/4	1,825.86	1/4	1,490.33	1/4	1,154.81	1/4	819.28	1/4	483.82	1/4	148.69	1/4	1/4	1/4		1/4	
1/2	2,154.39	1/2	1,818.87	1/2	1,483.34	1/2	1,147.82	1/2	812.29	1/2	476.84	1/2	141.73	1/2	1/2	1/2		1/2	
3/4	2,147.40	3/4	1,811.88	3/4	1,476.35	3/4	1,140.83	3/4	805.30	3/4	469.85	3/4	134.78	3/4	3/4	3/4		3/4	
1	2,140.41	1	1,804.89	1	1,469.36	1	1,133.84	1	798.31	1	462.86	1	127.82	1		1		1	
1/4	2,133.42	1/4	1,797.90	1/4	1,462.37	1/4	1,126.85	1/4	791.32	1/4	455.87	1/4	120.87	1/4	1/4	1/4		1/4	
1/2	2,126.43	1/2	1,790.91	1/2	1,455.38	1/2	1,119.86	1/2	784.33	1/2	448.89	1/2	114.03	1/2	1/2	1/2		1/2	
3/4	2,119.44	3/4	1,783.92	3/4	1,448.39	3/4	1,112.87	3/4	777.34	3/4	441.90	3/4	107.30	3/4	3/4	3/4		3/4	
2	2,112.45	2	1,776.93	2	1,441.40	2	1,105.88	2	770.35	2	434.91	2	100.57	2		2		2	
1/4	2,105.46	1/4	1,769.94	1/4	1,434.41	1/4	1,098.89	1/4	763.36	1/4	427.92	1/4	93.84	1/4	1/4	1/4		1/4	
1/2	2,098.47	1/2	1,762.95	1/2	1,427.42	1/2	1,091.90	1/2	756.37	1/2	420.94	1/2	87.29	1/2	1/2	1/2		1/2	
3/4	2,091.48	3/4	1,755.96	3/4	1,420.43	3/4	1,084.91	3/4	749.38	3/4	413.95	3/4	80.94	3/4	3/4	3/4		3/4	
3	2,084.49	3	1,748.97	3	1,413.44	3	1,077.92	3	742.39	3	406.96	3	74.59	3		3		3	
1/4	2,077.50	1/4	1,741.98	1/4	1,406.45	1/4	1,070.93	1/4	735.40	1/4	399.97	1/4	68.24	1/4	1/4	1/4		1/4	
1/2	2,070.51	1/2	1,734.99	1/2	1,399.46	1/2	1,063.94	1/2	728.41	1/2	392.99	1/2	62.03	1/2	1/2	1/2		1/2	
3/4	2,063.52	3/4	1,727.99	3/4	1,392.47	3/4	1,056.95	3/4	721.42	3/4	386.00	3/4	55.98	3/4	3/4	3/4		3/4	
4	2,056.53	4	1,721.00	4	1,385.48	4	1,049.96	4	714.43	4	379.01	4	49.93	4		4		4	
1/4	2,049.54	1/4	1,714.01	1/4	1,378.49	1/4	1,042.97	1/4	707.44	1/4	372.02	1/4	43.88	1/4	1/4	1/4		1/4	
1/2	2,042.55	1/2	1,707.02	1/2	1,371.50	1/2	1,035.97	1/2	700.45	1/2	365.04	1/2	38.34	1/2	1/2	1/2		1/2	
3/4	2,035.56	3/4	1,700.03	3/4	1,364.51	3/4	1,028.98	3/4	693.46	3/4	358.05	3/4	33.31	3/4	3/4	3/4		3/4	
5	2,028.57	5	1,693.04	5	1,357.52	5	1,021.99	5	686.47	5	351.06	5	28.29	5		5		5	
1/4	2,021.58	1/4	1,686.05	1/4	1,350.53	1/4	1,015.00	1/4	679.48	1/4	344.07	1/4	23.26	1/4	1/4	1/4		1/4	
1/2	2,014.59	1/2	1,679.06	1/2	1,343.54	1/2	1,008.01	1/2	672.49	1/2	337.08	1/2	18.57	1/2	1/2	1/2		1/2	
3/4	2,007.60	3/4	1,672.07	3/4	1,336.55	3/4	1,001.02	3/4	665.50	3/4	330.09	3/4		3/4	3/4	3/4		3/4	
6	2,000.61	6	1,665.08	6	1,329.56	6	994.03	6	658.51	6	323.10	6		6		6		6	
1/4	1,993.62	1/4	1,658.09	1/4	1,322.57	1/4	987.04	1/4	651.52	1/4	316.11	1/4		1/4	1/4	1/4		1/4	
1/2	1,986.63	1/2	1,651.10	1/2	1,315.58	1/2	980.05	1/2	644.53	1/2	309.12	1/2		1/2	1/2	1/2		1/2	
3/4	1,979.64	3/4	1,644.11	3/4	1,308.59	3/4	973.06	3/4	637.54	3/4	302.13	3/4		3/4	3/4	3/4		3/4	
7	1,972.65	7	1,637.12	7	1,301.60	7	966.07	7	630.55	7	295.14	7		7		7		7	
1/4	1,965.66	1/4	1,630.13	1/4	1,294.61	1/4	959.08	1/4	623.56	1/4	288.15	1/4		1/4	1/4	1/4		1/4	
1/2	1,958.67	1/2	1,623.14	1/2	1,287.62	1/2	952.09	1/2	616.58	1/2	281.16	1/2		1/2	1/2	1/2		1/2	
3/4	1,951.68	3/4	1,616.15	3/4	1,280.63	3/4	945.10	3/4	609.59	3/4	274.17	3/4		3/4	3/4	3/4		3/4	
8	1,944.69	8	1,609.16	8	1,273.64	8	938.11	8	602.60	8	267.18	8		8		8		8	
1/4	1,937.70	1/4	1,602.17	1/4	1,266.65	1/4	931.12	1/4	595.61	1/4	260.19	1/4		1/4	1/4	1/4		1/4	
1/2	1,930.71	1/2	1,595.18	1/2	1,259.66	1/2	924.13	1/2	588.63	1/2	253.20	1/2		1/2	1/2	1/2		1/2	
3/4	1,923.72	3/4	1,588.19	3/4	1,252.67	3/4	917.14	3/4	581.64	3/4	246.21	3/4		3/4	3/4	3/4		3/4	
9	1,916.73	9	1,581.20	9	1,245.68	9	910.15	9	574.65	9	239.22	9		9		9		9	
1/4	1,909.74	1/4	1,574.21	1/4	1,238.69	1/4	903.16	1/4	567.66	1/4	232.23	1/4		1/4	1/4	1/4		1/4	
1/2	1,902.75	1/2	1,567.22	1/2	1,231.70	1/2	896.17	1/2	560.68	1/2	225.25	1/2		1/2	1/2	1/2		1/2	
3/4	1,895.76	3/4	1,560.23	3/4	1,224.71	3/4	889.18	3/4	553.69	3/4	218.28	3/4		3/4	3/4	3/4		3/4	
10	1,888.77	10	1,553.24	10	1,217.72	10	882.19	10	546.70	10	211.31	10		10		10		10	
1/4	1,881.78	1/4	1,546.25	1/4	1,210.73	1/4	875.20	1/4	539.71	1/4	204.34	1/4		1/4	1/4	1/4		1/4	
1/2	1,874.79	1/2	1,539.26	1/2	1,203.74	1/2	868.21	1/2	532.73	1/2	197.37	1/2		1/2	1/2	1/2		1/2	
3/4	1,867.80	3/4	1,532.27	3/4	1,196.75	3/4	861.22	3/4	525.74	3/4	190.42	3/4		3/4	3/4	3/4		3/4	
11	1,860.81	11	1,525.28	11	1,189.76	11	854.23	11	518.75	11	183.46	11		11		11		11	
1/4	1,853.82	1/4	1,518.29	1/4	1,182.77	1/4	847.24	1/4	511.76	1/4	176.51	1/4		1/4	1/4	1/4		1/4	
1/2	1,846.83	1/2	1,511.30	1/2	1,175.78	1/2	840.25	1/2	504.78	1/2	169.55	1/2		1/2	1/2	1/2		1/2	
3/4	1,839.84	3/4	1,504.31	3/4	1,168.79	3/4	833.26	3/4	497.79	3/4	162.60	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/10/1995 CTC  
RECALCULATED: 08/08/2019 CL  
REPRINTED: 08/08/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2019

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



# BARGE "KIRBY 24703"

## 2 STBD

### ULLAGE TABLE

### HERMETIC

### GAUGE HEIGHT 16'-07 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "KIRBY 24302"

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	4,234.90	0	3,900.24	0	3,564.30	0	3,228.36	0	2,892.42	0	2,556.47		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,227.93	1/4	3,893.24	1/4	3,557.30	1/4	3,221.36	1/4	2,885.42	1/4	2,549.47		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,220.96	1/2	3,886.24	1/2	3,550.30	1/2	3,214.36	1/2	2,878.42	1/2	2,542.47		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,214.00	3/4	3,879.25	3/4	3,543.30	3/4	3,207.36	3/4	2,871.42	3/4	2,535.48		
1	1	1	1	1	1	1	1	1	4,207.03	1	3,872.25	1	3,536.30	1	3,200.36	1	2,864.42	1	2,528.48		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,200.06	1/4	3,865.25	1/4	3,529.30	1/4	3,193.36	1/4	2,857.42	1/4	2,521.48		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,193.10	1/2	3,858.25	1/2	3,522.30	1/2	3,186.36	1/2	2,850.42	1/2	2,514.48		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,186.13	3/4	3,851.25	3/4	3,515.31	3/4	3,179.37	3/4	2,843.42	3/4	2,507.48		
2	2	2	2	2	2	2	2	2	4,179.17	2	3,844.25	2	3,508.31	2	3,172.37	2	2,836.42	2	2,500.48		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,172.20	1/4	3,837.25	1/4	3,501.31	1/4	3,165.37	1/4	2,829.42	1/4	2,493.48		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,165.24	1/2	3,830.25	1/2	3,494.31	1/2	3,158.37	1/2	2,822.42	1/2	2,486.48		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,158.27	3/4	3,823.26	3/4	3,487.31	3/4	3,151.37	3/4	2,815.43	3/4	2,479.48		
3	3	3	3	3	3	3	3	3	4,151.31	3	3,816.26	3	3,480.31	3	3,144.37	3	2,808.43	3	2,472.48		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,144.34	1/4	3,809.26	1/4	3,473.31	1/4	3,137.37	1/4	2,801.43	1/4	2,465.48		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,137.38	1/2	3,802.26	1/2	3,466.31	1/2	3,130.37	1/2	2,794.43	1/2	2,458.48		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,130.41	3/4	3,795.26	3/4	3,459.32	3/4	3,123.38	3/4	2,787.43	3/4	2,451.48		
4	4	4	4	4	4	4	4	4	4,123.45	4	3,788.26	4	3,452.32	4	3,116.38	4	2,780.43	4	2,444.48		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,116.48	1/4	3,781.26	1/4	3,445.32	1/4	3,109.38	1/4	2,773.43	1/4	2,437.48		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,109.51	1/2	3,774.26	1/2	3,438.32	1/2	3,102.38	1/2	2,766.43	1/2	2,430.48		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,102.55	3/4	3,767.27	3/4	3,431.32	3/4	3,095.38	3/4	2,759.44	3/4	2,423.48		
5	5	5	5	5	5	5	5	5	4,095.58	5	3,760.27	5	3,424.32	5	3,088.38	5	2,752.44	5	2,416.48		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,088.61	1/4	3,753.27	1/4	3,417.32	1/4	3,081.38	1/4	2,745.44	1/4	2,409.48		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,081.65	1/2	3,746.27	1/2	3,410.32	1/2	3,074.38	1/2	2,738.44	1/2	2,402.48		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,074.68	3/4	3,739.27	3/4	3,403.33	3/4	3,067.39	3/4	2,731.44	3/4	2,395.48		
6	6	6	6	6	6	6	6	6	4,067.72	6	3,732.27	6	3,396.33	6	3,060.39	6	2,724.44	6	2,388.48		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,060.75	1/4	3,725.27	1/4	3,389.33	1/4	3,053.39	1/4	2,717.44	1/4	2,381.48		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,053.79	1/2	3,718.27	1/2	3,382.33	1/2	3,046.39	1/2	2,710.44	1/2	2,374.48		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,046.82	3/4	3,711.28	3/4	3,375.33	3/4	3,039.39	3/4	2,703.45	3/4	2,367.48		
7	7	7	7	7	7	7	7	7	4,039.86	7	3,704.28	7	3,368.33	7	3,032.39	7	2,696.45	7	2,360.48		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,337.27	1/4	4,032.89	1/4	3,697.28	1/4	3,361.33	1/4	3,025.39	1/4	2,689.45	1/4	2,353.48
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,333.89	1/2	4,025.92	1/2	3,690.28	1/2	3,354.33	1/2	3,018.39	1/2	2,682.45	1/2	2,346.48
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,330.50	3/4	4,018.96	3/4	3,683.28	3/4	3,347.34	3/4	3,011.40	3/4	2,675.45	3/4	2,339.48
8	8	8	8	8	8	8	8	8	4,327.12	8	4,011.99	8	3,676.28	8	3,340.34	8	3,004.40	8	2,668.45	8	2,332.48
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,323.73	1/4	4,005.02	1/4	3,669.28	1/4	3,333.34	1/4	2,997.40	1/4	2,661.45	1/4	2,325.48
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,319.18	1/2	3,998.06	1/2	3,662.28	1/2	3,326.34	1/2	2,990.40	1/2	2,654.45	1/2	2,318.48
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,314.63	3/4	3,991.09	3/4	3,655.29	3/4	3,319.34	3/4	2,983.40	3/4	2,647.46	3/4	2,311.48
9	9	9	9	9	9	9	9	9	4,310.07	9	3,984.13	9	3,648.29	9	3,312.34	9	2,976.40	9	2,640.46	9	2,304.48
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,305.52	1/4	3,977.16	1/4	3,641.29	1/4	3,305.34	1/4	2,969.40	1/4	2,633.46	1/4	2,297.48
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,299.76	1/2	3,970.18	1/2	3,634.29	1/2	3,298.34	1/2	2,962.40	1/2	2,626.46	1/2	2,290.48
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,294.00	3/4	3,963.20	3/4	3,627.29	3/4	3,291.35	3/4	2,955.41	3/4	2,619.46	3/4	2,283.48
10	10	10	10	10	10	10	10	10	4,288.24	10	3,956.21	10	3,620.29	10	3,284.35	10	2,948.41	10	2,612.46	10	2,276.48
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,282.48	1/4	3,949.23	1/4	3,613.29	1/4	3,277.35	1/4	2,941.41	1/4	2,605.46	1/4	2,269.48
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,275.81	1/2	3,942.23	1/2	3,606.29	1/2	3,270.35	1/2	2,934.41	1/2	2,598.46	1/2	2,262.48
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,269.14	3/4	3,935.24	3/4	3,599.30	3/4	3,263.35	3/4	2,927.41	3/4	2,591.47	3/4	2,255.48
11	11	11	11	11	11	11	11	11	4,262.46	11	3,928.24	11	3,592.30	11	3,256.35	11	2,920.41	11	2,584.47	11	2,248.48
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,255.79	1/4	3,921.24	1/4	3,585.30	1/4	3,249.35	1/4	2,913.41	1/4	2,577.47	1/4	2,241.48
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,248.83	1/2	3,914.24	1/2	3,578.30	1/2	3,242.35	1/2	2,906.41	1/2	2,570.47	1/2	2,234.48
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,241.86	3/4	3,907.24	3/4	3,571.30	3/4	3,235.36	3/4	2,899.42	3/4	2,563.47	3/4	2,227.48

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 44'-06" FORWARD OF AFT BULKHEAD.

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



# BARGE "KIRBY 24703"

**2 STBD**  
**ULLAGE TABLE**  
**HERMETIC**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "KIRBY 24302"

GAUGE HEIGHT 16'-07 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,220.48	0	1,884.48	0	1,548.48	0	1,212.48	0	876.48	0	540.53	0	204.67	0		0		0	
1/4	2,213.48	1/4	1,877.48	1/4	1,541.48	1/4	1,205.48	1/4	869.48	1/4	533.53	1/4	197.69	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,206.48	1/2	1,870.48	1/2	1,534.48	1/2	1,198.48	1/2	862.48	1/2	526.53	1/2	190.72	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,199.48	3/4	1,863.48	3/4	1,527.48	3/4	1,191.48	3/4	855.48	3/4	519.54	3/4	183.76	3/4	3/4	3/4	3/4	3/4	3/4
1	2,192.48	1	1,856.48	1	1,520.48	1	1,184.48	1	848.48	1	512.54	1	176.79	1	1	1	1	1	1
1/4	2,185.48	1/4	1,849.48	1/4	1,513.48	1/4	1,177.48	1/4	841.48	1/4	505.54	1/4	169.82	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,178.48	1/2	1,842.48	1/2	1,506.48	1/2	1,170.48	1/2	834.48	1/2	498.54	1/2	162.86	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,171.48	3/4	1,835.48	3/4	1,499.48	3/4	1,163.48	3/4	827.48	3/4	491.55	3/4	155.89	3/4	3/4	3/4	3/4	3/4	3/4
2	2,164.48	2	1,828.48	2	1,492.48	2	1,156.48	2	820.48	2	484.55	2	148.93	2	2	2	2	2	2
1/4	2,157.48	1/4	1,821.48	1/4	1,485.48	1/4	1,149.48	1/4	813.48	1/4	477.55	1/4	141.96	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,150.48	1/2	1,814.48	1/2	1,478.48	1/2	1,142.48	1/2	806.48	1/2	470.55	1/2	135.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,143.48	3/4	1,807.48	3/4	1,471.48	3/4	1,135.48	3/4	799.48	3/4	463.56	3/4	128.03	3/4	3/4	3/4	3/4	3/4	3/4
3	2,136.48	3	1,800.48	3	1,464.48	3	1,128.48	3	792.48	3	456.56	3	121.07	3	3	3	3	3	3
1/4	2,129.48	1/4	1,793.48	1/4	1,457.48	1/4	1,121.48	1/4	785.48	1/4	449.56	1/4	114.10	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,122.48	1/2	1,786.48	1/2	1,450.48	1/2	1,114.48	1/2	778.48	1/2	442.57	1/2	107.44	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,115.48	3/4	1,779.48	3/4	1,443.48	3/4	1,107.48	3/4	771.48	3/4	435.57	3/4	100.77	3/4	3/4	3/4	3/4	3/4	3/4
4	2,108.48	4	1,772.48	4	1,436.48	4	1,100.48	4	764.48	4	428.58	4	94.11	4	4	4	4	4	4
1/4	2,101.48	1/4	1,765.48	1/4	1,429.48	1/4	1,093.48	1/4	757.48	1/4	421.58	1/4	87.44	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,094.48	1/2	1,758.48	1/2	1,422.48	1/2	1,086.48	1/2	750.48	1/2	414.58	1/2	81.08	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,087.48	3/4	1,751.48	3/4	1,415.48	3/4	1,079.48	3/4	743.48	3/4	407.59	3/4	74.71	3/4	3/4	3/4	3/4	3/4	3/4
5	2,080.48	5	1,744.48	5	1,408.48	5	1,072.48	5	736.48	5	400.59	5	68.35	5	5	5	5	5	5
1/4	2,073.48	1/4	1,737.48	1/4	1,401.48	1/4	1,065.48	1/4	729.48	1/4	393.59	1/4	61.98	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,066.48	1/2	1,730.48	1/2	1,394.48	1/2	1,058.48	1/2	722.48	1/2	386.59	1/2	55.95	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,059.48	3/4	1,723.48	3/4	1,387.48	3/4	1,051.48	3/4	715.48	3/4	379.60	3/4	49.91	3/4	3/4	3/4	3/4	3/4	3/4
6	2,052.48	6	1,716.48	6	1,380.48	6	1,044.48	6	708.48	6	372.60	6	43.88	6	6	6	6	6	6
1/4	2,045.48	1/4	1,709.48	1/4	1,373.48	1/4	1,037.48	1/4	701.48	1/4	365.60	1/4	37.84	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,038.48	1/2	1,702.48	1/2	1,366.48	1/2	1,030.48	1/2	694.48	1/2	358.60	1/2	33.03	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,031.48	3/4	1,695.48	3/4	1,359.48	3/4	1,023.48	3/4	687.48	3/4	351.60	3/4	28.22	3/4	3/4	3/4	3/4	3/4	3/4
7	2,024.48	7	1,688.48	7	1,352.48	7	1,016.48	7	680.48	7	344.60	7	23.40	7	7	7	7	7	7
1/4	2,017.48	1/4	1,681.48	1/4	1,345.48	1/4	1,009.48	1/4	673.48	1/4	337.60	1/4	18.59	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,010.48	1/2	1,674.48	1/2	1,338.48	1/2	1,002.48	1/2	666.48	1/2	330.60	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,003.48	3/4	1,667.48	3/4	1,331.48	3/4	995.48	3/4	659.48	3/4	323.60	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	1,996.48	8	1,660.48	8	1,324.48	8	988.48	8	652.49	8	316.60	8	8	8	8	8	8	8	8
1/4	1,989.48	1/4	1,653.48	1/4	1,317.48	1/4	981.48	1/4	645.49	1/4	309.60	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,982.48	1/2	1,646.48	1/2	1,310.48	1/2	974.48	1/2	638.49	1/2	302.60	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,975.48	3/4	1,639.48	3/4	1,303.48	3/4	967.48	3/4	631.50	3/4	295.60	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	1,968.48	9	1,632.48	9	1,296.48	9	960.48	9	624.50	9	288.59	9	9	9	9	9	9	9	9
1/4	1,961.48	1/4	1,625.48	1/4	1,289.48	1/4	953.48	1/4	617.50	1/4	281.59	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,954.48	1/2	1,618.48	1/2	1,282.48	1/2	946.48	1/2	610.50	1/2	274.59	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,947.48	3/4	1,611.48	3/4	1,275.48	3/4	939.48	3/4	603.51	3/4	267.59	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	1,940.48	10	1,604.48	10	1,268.48	10	932.48	10	596.51	10	260.59	10	10	10	10	10	10	10	10
1/4	1,933.48	1/4	1,597.48	1/4	1,261.48	1/4	925.48	1/4	589.51	1/4	253.59	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,926.48	1/2	1,590.48	1/2	1,254.48	1/2	918.48	1/2	582.51	1/2	246.59	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,919.48	3/4	1,583.48	3/4	1,247.48	3/4	911.48	3/4	575.52	3/4	239.59	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,912.48	11	1,576.48	11	1,240.48	11	904.48	11	568.52	11	232.59	11	11	11	11	11	11	11	11
1/4	1,905.48	1/4	1,569.48	1/4	1,233.48	1/4	897.48	1/4	561.52	1/4	225.59	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,898.48	1/2	1,562.48	1/2	1,226.48	1/2	890.48	1/2	554.52	1/2	218.62	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,891.48	3/4	1,555.48	3/4	1,219.48	3/4	883.48	3/4	547.53	3/4	211.64	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/10/1995 CTC  
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 REPRINTED: 08/08/2019 CL

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



# BARGE "KIRBY 24703"

## 3 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "KIRBY 24302"

GAUGE HEIGHT 16'-05 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0		0	3,704.11	0	3,462.13	0	3,219.40	0	2,977.10	0	2,696.95	0	2,378.70		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,699.07	1/4	3,457.07	1/4	3,214.35	1/4	2,972.04	1/4	2,690.32	1/4	2,372.06		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,694.04	1/2	3,452.01	1/2	3,209.29	1/2	2,966.98	1/2	2,683.69	1/2	2,365.42		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,689.01	3/4	3,446.95	3/4	3,204.23	3/4	2,961.92	3/4	2,677.06	3/4	2,358.78		
1		1		1		1		1	3,683.98	1	3,441.90	1	3,199.18	1	2,956.87	1	2,670.43	1	2,352.14		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,678.94	1/4	3,436.84	1/4	3,194.12	1/4	2,951.81	1/4	2,663.80	1/4	2,345.50		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,673.91	1/2	3,431.78	1/2	3,189.06	1/2	2,946.75	1/2	2,657.17	1/2	2,338.86		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,668.88	3/4	3,426.73	3/4	3,184.00	3/4	2,941.70	3/4	2,650.54	3/4	2,332.22		
2		2		2		2		2	3,663.84	2	3,421.67	2	3,178.95	2	2,936.64	2	2,643.92	2	2,325.58		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,658.81	1/4	3,416.62	1/4	3,173.89	1/4	2,931.59	1/4	2,637.29	1/4	2,318.94		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,653.77	1/2	3,411.56	1/2	3,168.83	1/2	2,926.53	1/2	2,630.66	1/2	2,312.30		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,648.74	3/4	3,406.50	3/4	3,163.77	3/4	2,921.47	3/4	2,624.03	3/4	2,305.66		
3		3		3		3		3	3,643.71	3	3,401.45	3	3,158.72	3	2,916.42	3	2,617.41	3	2,299.02		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,638.67	1/4	3,396.39	1/4	3,153.66	1/4	2,911.36	1/4	2,610.78	1/4	2,292.38		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,633.64	1/2	3,391.33	1/2	3,148.60	1/2	2,906.30	1/2	2,604.15	1/2	2,285.74		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,628.61	3/4	3,386.27	3/4	3,143.55	3/4	2,901.24	3/4	2,597.52	3/4	2,279.10		
4		4		4		4		4	3,623.57	4	3,381.22	4	3,138.49	4	2,896.19	4	2,590.89	4	2,272.46		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,618.54	1/4	3,376.16	1/4	3,133.44	1/4	2,891.13	1/4	2,584.26	1/4	2,265.82		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,613.50	1/2	3,371.10	1/2	3,128.38	1/2	2,886.07	1/2	2,577.63	1/2	2,259.18		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,608.47	3/4	3,366.05	3/4	3,123.32	3/4	2,881.01	3/4	2,571.00	3/4	2,252.54		
5		5		5		5		5	3,603.44	5	3,360.99	5	3,118.27	5	2,875.96	5	2,564.37	5	2,245.90		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,598.40	1/4	3,355.94	1/4	3,113.21	1/4	2,870.90	1/4	2,557.74	1/4	2,239.26		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,593.37	1/2	3,350.88	1/2	3,108.15	1/2	2,865.84	1/2	2,551.11	1/2	2,232.62		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,588.34	3/4	3,345.82	3/4	3,103.09	3/4	2,860.01	3/4	2,544.48	3/4	2,225.98		
6		6		6		6	3,807.84	6	3,583.31	6	3,340.77	6	3,098.04	6	2,854.17	6	2,537.85	6	2,219.34		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,806.40	1/4	3,578.27	1/4	3,335.71	1/4	3,092.98	1/4	2,848.34	1/4	2,531.22	1/4	2,212.70		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,803.53	1/2	3,573.24	1/2	3,330.65	1/2	3,087.92	1/2	2,842.50	1/2	2,524.59	1/2	2,206.06		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,800.24	3/4	3,568.21	3/4	3,325.59	3/4	3,082.88	3/4	2,835.89	3/4	2,517.96	3/4	2,199.42		
7		7		7		7	3,796.96	7	3,563.17	7	3,320.53	7	3,077.85	7	2,829.28	7	2,511.33	7	2,192.78		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,793.67	1/4	3,558.14	1/4	3,315.47	1/4	3,072.81	1/4	2,822.66	1/4	2,504.70	1/4	2,186.14		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,790.38	1/2	3,553.10	1/2	3,310.41	1/2	3,067.77	1/2	2,816.05	1/2	2,498.07	1/2	2,179.50		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,786.22	3/4	3,548.06	3/4	3,305.36	3/4	3,062.74	3/4	2,809.44	3/4	2,491.44	3/4	2,172.86		
8		8		8		8	3,782.06	8	3,543.01	8	3,300.30	8	3,057.71	8	2,802.82	8	2,484.82	8	2,166.22		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,777.89	1/4	3,537.97	1/4	3,295.25	1/4	3,052.68	1/4	2,796.21	1/4	2,478.19	1/4	2,159.58		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,773.73	1/2	3,532.92	1/2	3,290.19	1/2	3,047.65	1/2	2,789.59	1/2	2,471.56	1/2	2,152.94		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,768.91	3/4	3,527.86	3/4	3,285.14	3/4	3,042.62	3/4	2,782.98	3/4	2,464.93	3/4	2,146.30		
9		9		9		9	3,764.09	9	3,522.81	9	3,280.08	9	3,037.59	9	2,776.37	9	2,458.30	9	2,139.66		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,759.26	1/4	3,517.75	1/4	3,275.03	1/4	3,032.56	1/4	2,769.75	1/4	2,451.67	1/4	2,133.01		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,754.44	1/2	3,512.69	1/2	3,269.97	1/2	3,027.53	1/2	2,763.14	1/2	2,445.04	1/2	2,126.37		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,749.41	3/4	3,507.64	3/4	3,264.91	3/4	3,022.50	3/4	2,756.53	3/4	2,438.41	3/4	2,119.73		
10		10		10		10	3,744.38	10	3,502.58	10	3,259.86	10	3,017.47	10	2,749.92	10	2,431.78	10	2,113.09		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,739.34	1/4	3,497.53	1/4	3,254.80	1/4	3,012.44	1/4	2,743.30	1/4	2,425.15	1/4	2,106.45		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,734.31	1/2	3,492.47	1/2	3,249.74	1/2	3,007.41	1/2	2,736.69	1/2	2,418.52	1/2	2,099.81		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,729.28	3/4	3,487.41	3/4	3,244.68	3/4	3,002.36	3/4	2,730.07	3/4	2,411.89	3/4	2,093.17		
11		11		11		11	3,724.24	11	3,482.36	11	3,239.63	11	2,997.31	11	2,723.45	11	2,405.25	11	2,086.53		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,719.21	1/4	3,477.30	1/4	3,234.57	1/4	2,992.26	1/4	2,716.82	1/4	2,398.62	1/4	2,079.89		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,714.17	1/2	3,472.24	1/2	3,229.51	1/2	2,987.21	1/2	2,710.20	1/2	2,391.98	1/2	2,073.25		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,709.14	3/4	3,467.18	3/4	3,224.46	3/4	2,982.15	3/4	2,703.57	3/4	2,385.34	3/4	2,066.61		

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 40'-06" FORWARD OF AFT BULKHEAD.

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



# BARGE "KIRBY 24703"

**3 PORT  
ULLAGE TABLE  
HERMETIC**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "KIRBY 24302"

GAUGE HEIGHT 16'-05 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	2,059.97	0	1,741.24	0	1,422.50	0	1,103.75	0	784.99	0	466.29	0	147.88	0		0		0	
1/4	2,053.33	1/4	1,734.60	1/4	1,415.85	1/4	1,097.11	1/4	778.35	1/4	459.65	1/4	141.27	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,046.69	1/2	1,727.96	1/2	1,409.21	1/2	1,090.47	1/2	771.71	1/2	453.01	1/2	134.66	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,040.05	3/4	1,721.32	3/4	1,402.57	3/4	1,083.83	3/4	765.07	3/4	446.37	3/4	128.05	3/4	3/4	3/4	3/4	3/4	3/4
1	2,033.41	1	1,714.68	1	1,395.93	1	1,077.19	1	758.43	1	439.74	1	121.45	1	1	1	1	1	1
1/4	2,026.77	1/4	1,708.04	1/4	1,389.29	1/4	1,070.54	1/4	751.78	1/4	433.10	1/4	114.84	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,020.13	1/2	1,701.40	1/2	1,382.65	1/2	1,063.90	1/2	745.14	1/2	426.46	1/2	108.23	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,013.49	3/4	1,694.76	3/4	1,376.01	3/4	1,057.26	3/4	738.50	3/4	419.82	3/4	101.91	3/4	3/4	3/4	3/4	3/4	3/4
2	2,006.85	2	1,688.12	2	1,369.37	2	1,050.62	2	731.86	2	413.19	2	95.59	2	2	2	2	2	2
1/4	2,000.21	1/4	1,681.47	1/4	1,362.73	1/4	1,043.98	1/4	725.22	1/4	406.55	1/4	89.26	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,993.57	1/2	1,674.83	1/2	1,356.09	1/2	1,037.34	1/2	718.58	1/2	399.91	1/2	82.94	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,986.93	3/4	1,668.19	3/4	1,349.45	3/4	1,030.70	3/4	711.94	3/4	393.27	3/4	76.91	3/4	3/4	3/4	3/4	3/4	3/4
3	1,980.29	3	1,661.55	3	1,342.81	3	1,024.06	3	705.30	3	386.64	3	70.87	3	3	3	3	3	3
1/4	1,973.65	1/4	1,654.91	1/4	1,336.17	1/4	1,017.42	1/4	698.65	1/4	380.00	1/4	64.84	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,967.01	1/2	1,648.27	1/2	1,329.53	1/2	1,010.78	1/2	692.01	1/2	373.36	1/2	58.80	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,960.37	3/4	1,641.63	3/4	1,322.89	3/4	1,004.14	3/4	685.37	3/4	366.72	3/4	53.08	3/4	3/4	3/4	3/4	3/4	3/4
4	1,953.73	4	1,634.99	4	1,316.25	4	997.50	4	678.73	4	360.08	4	47.36	4	4	4	4	4	4
1/4	1,947.09	1/4	1,628.35	1/4	1,309.60	1/4	990.85	1/4	672.09	1/4	353.44	1/4	41.63	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,940.45	1/2	1,621.71	1/2	1,302.96	1/2	984.21	1/2	665.45	1/2	346.80	1/2	35.91	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,933.81	3/4	1,615.07	3/4	1,296.32	3/4	977.57	3/4	658.81	3/4	340.16	3/4	31.35	3/4	3/4	3/4	3/4	3/4	3/4
5	1,927.17	5	1,608.43	5	1,289.68	5	970.93	5	652.17	5	333.52	5	26.78	5	5	5	5	5	5
1/4	1,920.52	1/4	1,601.79	1/4	1,283.04	1/4	964.29	1/4	645.53	1/4	326.88	1/4	22.22	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,913.88	1/2	1,595.15	1/2	1,276.40	1/2	957.65	1/2	638.89	1/2	320.24	1/2	17.65	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,907.24	3/4	1,588.51	3/4	1,269.76	3/4	951.01	3/4	632.25	3/4	313.60	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	1,900.60	6	1,581.87	6	1,263.12	6	944.37	6	625.61	6	306.96	6		6	6	6	6	6	6
1/4	1,893.96	1/4	1,575.23	1/4	1,256.48	1/4	937.73	1/4	618.97	1/4	300.31	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,887.32	1/2	1,568.59	1/2	1,249.84	1/2	931.09	1/2	612.33	1/2	293.67	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,880.68	3/4	1,561.95	3/4	1,243.20	3/4	924.45	3/4	605.69	3/4	287.03	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	1,874.04	7	1,555.31	7	1,236.56	7	917.81	7	599.05	7	280.39	7		7	7	7	7	7	7
1/4	1,867.40	1/4	1,548.67	1/4	1,229.92	1/4	911.16	1/4	592.41	1/4	273.75	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,860.76	1/2	1,542.03	1/2	1,223.28	1/2	904.52	1/2	585.77	1/2	267.11	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,854.12	3/4	1,535.39	3/4	1,216.64	3/4	897.88	3/4	579.13	3/4	260.47	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	1,847.48	8	1,528.75	8	1,210.00	8	891.24	8	572.50	8	253.83	8		8	8	8	8	8	8
1/4	1,840.84	1/4	1,522.10	1/4	1,203.35	1/4	884.60	1/4	565.86	1/4	247.19	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,834.20	1/2	1,515.46	1/2	1,196.71	1/2	877.96	1/2	559.22	1/2	240.55	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,827.56	3/4	1,508.82	3/4	1,190.07	3/4	871.32	3/4	552.58	3/4	233.91	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	1,820.92	9	1,502.18	9	1,183.43	9	864.68	9	545.95	9	227.27	9		9	9	9	9	9	9
1/4	1,814.28	1/4	1,495.54	1/4	1,176.79	1/4	858.04	1/4	539.31	1/4	220.62	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,807.64	1/2	1,488.90	1/2	1,170.15	1/2	851.40	1/2	532.67	1/2	213.98	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,801.00	3/4	1,482.26	3/4	1,163.51	3/4	844.76	3/4	526.03	3/4	207.37	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	1,794.36	10	1,475.62	10	1,156.87	10	838.12	10	519.40	10	200.75	10		10	10	10	10	10	10
1/4	1,787.72	1/4	1,468.98	1/4	1,150.23	1/4	831.47	1/4	512.76	1/4	194.14	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,781.08	1/2	1,462.34	1/2	1,143.59	1/2	824.83	1/2	506.12	1/2	187.52	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,774.44	3/4	1,455.70	3/4	1,136.95	3/4	818.19	3/4	499.48	3/4	180.91	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,767.80	11	1,449.06	11	1,130.31	11	811.55	11	492.84	11	174.31	11		11	11	11	11	11	11
1/4	1,761.16	1/4	1,442.42	1/4	1,123.67	1/4	804.91	1/4	486.20	1/4	167.70	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,754.52	1/2	1,435.78	1/2	1,117.03	1/2	798.27	1/2	479.56	1/2	161.09	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,747.88	3/4	1,429.14	3/4	1,110.39	3/4	791.63	3/4	472.92	3/4	154.48	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/10/1995 CTC  
RECALCULATED: 08/08/2019 CL  
REPRINTED: 08/08/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2019

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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<http://www.pmacorp.net>



# BARGE "KIRBY 24703"

## 3 STBD

### ULLAGE TABLE

### HERMETIC

### GAUGE HEIGHT 16'-08"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "KIRBY 24302"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0		0	3,744.95	0	3,503.26	0	3,260.58	0	3,018.49	0	2,754.45	0	2,436.98
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,739.92	1/4	3,498.20	1/4	3,255.53	1/4	3,013.49	1/4	2,747.85	1/4	2,430.36
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,734.89	1/2	3,493.15	1/2	3,250.47	1/2	3,008.48	1/2	2,741.25	1/2	2,423.75
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,729.86	3/4	3,488.09	3/4	3,245.42	3/4	3,003.48	3/4	2,734.65	3/4	2,417.13
1		1		1		1		1	3,724.82	1	3,483.03	1	3,240.36	1	2,998.46	1	2,728.05	1	2,410.51
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,719.79	1/4	3,477.98	1/4	3,235.31	1/4	2,993.43	1/4	2,721.44	1/4	2,403.89
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,714.76	1/2	3,472.92	1/2	3,230.25	1/2	2,988.39	1/2	2,714.84	1/2	2,397.27
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,709.73	3/4	3,467.87	3/4	3,225.20	3/4	2,983.36	3/4	2,708.23	3/4	2,390.65
2		2		2		2		2	3,704.69	2	3,462.81	2	3,220.14	2	2,978.31	2	2,701.62	2	2,384.03
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,699.66	1/4	3,457.76	1/4	3,215.08	1/4	2,973.25	1/4	2,695.00	1/4	2,377.40
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,694.63	1/2	3,452.70	1/2	3,210.03	1/2	2,968.20	1/2	2,688.39	1/2	2,370.77
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,689.60	3/4	3,447.65	3/4	3,204.97	3/4	2,963.14	3/4	2,681.77	3/4	2,364.14
3		3		3		3		3	3,684.56	3	3,442.59	3	3,199.91	3	2,958.08	3	2,675.15	3	2,357.52
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,679.53	1/4	3,437.53	1/4	3,194.86	1/4	2,953.03	1/4	2,668.54	1/4	2,350.89
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,674.50	1/2	3,432.48	1/2	3,189.80	1/2	2,947.97	1/2	2,661.92	1/2	2,344.27
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,669.47	3/4	3,427.42	3/4	3,184.75	3/4	2,942.92	3/4	2,655.31	3/4	2,337.64
4		4		4		4		4	3,664.44	4	3,422.36	4	3,179.69	4	2,937.86	4	2,648.69	4	2,331.02
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,659.41	1/4	3,417.31	1/4	3,174.64	1/4	2,932.81	1/4	2,642.08	1/4	2,324.39
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,654.38	1/2	3,412.25	1/2	3,169.58	1/2	2,927.75	1/2	2,635.46	1/2	2,317.76
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,649.35	3/4	3,407.20	3/4	3,164.53	3/4	2,922.70	3/4	2,628.85	3/4	2,311.13
5		5		5		5		5	3,644.31	5	3,402.14	5	3,159.47	5	2,917.64	5	2,622.23	5	2,304.51
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,639.28	1/4	3,397.09	1/4	3,154.42	1/4	2,912.58	1/4	2,615.62	1/4	2,297.88
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,634.25	1/2	3,392.03	1/2	3,149.36	1/2	2,907.53	1/2	2,609.00	1/2	2,291.25
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,629.22	3/4	3,386.98	3/4	3,144.31	3/4	2,902.47	3/4	2,602.39	3/4	2,284.62
6		6		6		6		6	3,624.18	6	3,381.92	6	3,139.25	6	2,897.41	6	2,595.77	6	2,278.00
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,619.15	1/4	3,376.87	1/4	3,134.19	1/4	2,892.36	1/4	2,589.15	1/4	2,271.37
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,614.12	1/2	3,371.81	1/2	3,129.14	1/2	2,887.30	1/2	2,582.54	1/2	2,264.74
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,609.09	3/4	3,366.76	3/4	3,124.08	3/4	2,882.25	3/4	2,575.92	3/4	2,258.11
7		7		7		7		7	3,604.05	7	3,361.70	7	3,119.02	7	2,877.19	7	2,569.30	7	2,251.49
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,599.02	1/4	3,356.64	1/4	3,113.97	1/4	2,872.13	1/4	2,562.69	1/4	2,244.86
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,593.99	1/2	3,351.59	1/2	3,108.91	1/2	2,867.08	1/2	2,556.07	1/2	2,238.23
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,588.96	3/4	3,346.53	3/4	3,103.86	3/4	2,862.02	3/4	2,549.46	3/4	2,231.60
8		8		8		8	3,803.82	8	3,583.92	8	3,341.47	8	3,098.80	8	2,856.67	8	2,542.84	8	2,224.98
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,801.43	1/4	3,578.89	1/4	3,336.42	1/4	3,093.75	1/4	2,851.04	1/4	2,536.22	1/4	2,218.35
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,799.05	1/2	3,573.86	1/2	3,331.36	1/2	3,088.69	1/2	2,845.40	1/2	2,529.61	1/2	2,211.72
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,796.66	3/4	3,568.83	3/4	3,326.31	3/4	3,083.64	3/4	2,839.77	3/4	2,522.99	3/4	2,205.09
9		9		9		9	3,793.88	9	3,563.79	9	3,321.25	9	3,078.60	9	2,833.65	9	2,516.37	9	2,198.47
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,790.70	1/4	3,558.76	1/4	3,316.20	1/4	3,073.58	1/4	2,827.05	1/4	2,509.76	1/4	2,191.84
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,787.51	1/2	3,553.73	1/2	3,311.14	1/2	3,068.55	1/2	2,820.45	1/2	2,503.14	1/2	2,185.21
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,784.33	3/4	3,548.70	3/4	3,306.09	3/4	3,063.53	3/4	2,813.85	3/4	2,496.53	3/4	2,178.58
10		10		10		10	3,780.72	10	3,543.66	10	3,301.03	10	3,058.52	10	2,807.25	10	2,489.91	10	2,171.96
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,776.67	1/4	3,538.62	1/4	3,295.97	1/4	3,053.51	1/4	2,800.65	1/4	2,483.29	1/4	2,165.33
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,772.62	1/2	3,533.57	1/2	3,290.92	1/2	3,048.51	1/2	2,794.05	1/2	2,476.68	1/2	2,158.71
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,768.57	3/4	3,528.53	3/4	3,285.86	3/4	3,043.50	3/4	2,787.45	3/4	2,470.06	3/4	2,152.08
11		11		11		11	3,764.17	11	3,523.48	11	3,280.80	11	3,038.50	11	2,780.85	11	2,463.44	11	2,145.46
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,759.40	1/4	3,518.43	1/4	3,275.75	1/4	3,033.50	1/4	2,774.25	1/4	2,456.83	1/4	2,138.83
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,754.63	1/2	3,513.37	1/2	3,270.69	1/2	3,028.49	1/2	2,767.65	1/2	2,450.21	1/2	2,132.20
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,749.86	3/4	3,508.32	3/4	3,265.64	3/4	3,023.49	3/4	2,761.05	3/4	2,443.60	3/4	2,125.57

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 40'-06" FORWARD OF AFT BULKHEAD.

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



# BARGE "KIRBY 24703"

**3 STBD**  
**ULLAGE TABLE**  
**HERMETIC**  
**GAUGE HEIGHT 16'-08"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "KIRBY 24302"

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	2,118.95	0	1,800.90	0	1,483.79	0	1,166.08	0	847.98	0	530.49	0	213.56	0		0		0	
1/4	2,112.32	1/4	1,794.27	1/4	1,477.24	1/4	1,159.45	1/4	841.35	1/4	523.90	1/4	206.95	1/4	1/4		1/4		1/4
1/2	2,105.69	1/2	1,787.65	1/2	1,470.69	1/2	1,152.82	1/2	834.72	1/2	517.31	1/2	200.35	1/2	1/2		1/2		1/2
3/4	2,099.06	3/4	1,781.02	3/4	1,464.14	3/4	1,146.19	3/4	828.09	3/4	510.72	3/4	193.74	3/4	3/4		3/4		3/4
1	2,092.44	1	1,774.40	1	1,457.56	1	1,139.57	1	821.47	1	504.14	1	187.14	1		1		1	
1/4	2,085.81	1/4	1,767.78	1/4	1,450.96	1/4	1,132.94	1/4	814.84	1/4	497.55	1/4	180.55	1/4	1/4		1/4		1/4
1/2	2,079.18	1/2	1,761.15	1/2	1,444.37	1/2	1,126.32	1/2	808.21	1/2	490.96	1/2	173.95	1/2	1/2		1/2		1/2
3/4	2,072.55	3/4	1,754.53	3/4	1,437.77	3/4	1,119.69	3/4	801.58	3/4	484.37	3/4	167.36	3/4	3/4		3/4		3/4
2	2,065.93	2	1,747.91	2	1,431.16	2	1,113.07	2	794.96	2	477.79	2	160.76	2		2		2	
1/4	2,059.30	1/4	1,741.29	1/4	1,424.53	1/4	1,106.44	1/4	788.33	1/4	471.20	1/4	154.17	1/4	1/4		1/4		1/4
1/2	2,052.67	1/2	1,734.66	1/2	1,417.90	1/2	1,099.81	1/2	781.70	1/2	464.61	1/2	147.57	1/2	1/2		1/2		1/2
3/4	2,046.04	3/4	1,728.04	3/4	1,411.27	3/4	1,093.18	3/4	775.07	3/4	458.02	3/4	140.98	3/4	3/4		3/4		3/4
3	2,039.42	3	1,721.42	3	1,404.65	3	1,086.56	3	768.45	3	451.44	3	134.38	3		3		3	
1/4	2,032.79	1/4	1,714.79	1/4	1,398.02	1/4	1,079.93	1/4	761.82	1/4	444.85	1/4	127.79	1/4	1/4		1/4		1/4
1/2	2,026.16	1/2	1,708.17	1/2	1,391.40	1/2	1,073.30	1/2	755.19	1/2	438.26	1/2	121.19	1/2	1/2		1/2		1/2
3/4	2,019.53	3/4	1,701.54	3/4	1,384.77	3/4	1,066.67	3/4	748.56	3/4	431.67	3/4	114.60	3/4	3/4		3/4		3/4
4	2,012.91	4	1,694.92	4	1,378.15	4	1,060.05	4	741.94	4	425.09	4	108.11	4		4		4	
1/4	2,006.28	1/4	1,688.30	1/4	1,371.52	1/4	1,053.42	1/4	735.31	1/4	418.50	1/4	101.73	1/4	1/4		1/4		1/4
1/2	1,999.65	1/2	1,681.67	1/2	1,364.89	1/2	1,046.79	1/2	728.68	1/2	411.91	1/2	95.35	1/2	1/2		1/2		1/2
3/4	1,993.02	3/4	1,675.05	3/4	1,358.26	3/4	1,040.16	3/4	722.05	3/4	405.32	3/4	88.97	3/4	3/4		3/4		3/4
5	1,986.40	5	1,668.43	5	1,351.64	5	1,033.54	5	715.43	5	398.74	5	82.77	5		5		5	
1/4	1,979.77	1/4	1,661.81	1/4	1,345.01	1/4	1,026.91	1/4	708.80	1/4	392.15	1/4	76.75	1/4	1/4		1/4		1/4
1/2	1,973.14	1/2	1,655.18	1/2	1,338.38	1/2	1,020.28	1/2	702.17	1/2	385.56	1/2	70.73	1/2	1/2		1/2		1/2
3/4	1,966.51	3/4	1,648.56	3/4	1,331.75	3/4	1,013.65	3/4	695.54	3/4	378.97	3/4	64.71	3/4	3/4		3/4		3/4
6	1,959.89	6	1,641.94	6	1,325.13	6	1,007.03	6	688.92	6	372.39	6	58.83	6		6		6	
1/4	1,953.26	1/4	1,635.31	1/4	1,318.50	1/4	1,000.40	1/4	682.29	1/4	365.80	1/4	53.09	1/4	1/4		1/4		1/4
1/2	1,946.63	1/2	1,628.69	1/2	1,311.87	1/2	993.77	1/2	675.66	1/2	359.21	1/2	47.35	1/2	1/2		1/2		1/2
3/4	1,940.00	3/4	1,622.06	3/4	1,305.24	3/4	987.14	3/4	669.03	3/4	352.62	3/4	41.61	3/4	3/4		3/4		3/4
7	1,933.38	7	1,615.44	7	1,298.62	7	980.52	7	662.41	7	346.02	7	36.36	7		7		7	
1/4	1,926.75	1/4	1,608.82	1/4	1,291.99	1/4	973.89	1/4	655.79	1/4	339.42	1/4	31.60	1/4	1/4		1/4		1/4
1/2	1,920.13	1/2	1,602.19	1/2	1,285.36	1/2	967.27	1/2	649.16	1/2	332.81	1/2	26.84	1/2	1/2		1/2		1/2
3/4	1,913.50	3/4	1,595.57	3/4	1,278.73	3/4	960.64	3/4	642.54	3/4	326.21	3/4	22.08	3/4	3/4		3/4		3/4
8	1,906.88	8	1,588.95	8	1,272.11	8	954.02	8	635.93	8	319.60	8	17.63	8		8		8	
1/4	1,900.25	1/4	1,582.32	1/4	1,265.48	1/4	947.39	1/4	629.33	1/4	312.97	1/4		1/4	1/4		1/4		1/4
1/2	1,893.63	1/2	1,575.70	1/2	1,258.86	1/2	940.76	1/2	622.74	1/2	306.34	1/2		1/2	1/2		1/2		1/2
3/4	1,887.00	3/4	1,569.07	3/4	1,252.23	3/4	934.13	3/4	616.14	3/4	299.71	3/4		3/4	3/4		3/4		3/4
9	1,880.38	9	1,562.47	9	1,245.61	9	927.51	9	609.55	9	293.09	9		9		9		9	
1/4	1,873.75	1/4	1,555.89	1/4	1,238.98	1/4	920.88	1/4	602.96	1/4	286.46	1/4		1/4	1/4		1/4		1/4
1/2	1,867.13	1/2	1,549.32	1/2	1,232.35	1/2	914.25	1/2	596.37	1/2	279.83	1/2		1/2	1/2		1/2		1/2
3/4	1,860.50	3/4	1,542.74	3/4	1,225.72	3/4	907.62	3/4	589.78	3/4	273.20	3/4		3/4	3/4		3/4		3/4
10	1,853.88	10	1,536.18	10	1,219.10	10	901.00	10	583.20	10	266.58	10		10		10		10	
1/4	1,847.26	1/4	1,529.63	1/4	1,212.47	1/4	894.37	1/4	576.61	1/4	259.95	1/4		1/4	1/4		1/4		1/4
1/2	1,840.63	1/2	1,523.08	1/2	1,205.84	1/2	887.74	1/2	570.02	1/2	253.32	1/2		1/2	1/2		1/2		1/2
3/4	1,834.01	3/4	1,516.53	3/4	1,199.21	3/4	881.11	3/4	563.43	3/4	246.69	3/4		3/4	3/4		3/4		3/4
11	1,827.39	11	1,509.98	11	1,192.59	11	874.49	11	556.85	11	240.06	11		11		11		11	
1/4	1,820.77	1/4	1,503.43	1/4	1,185.96	1/4	867.86	1/4	550.26	1/4	233.43	1/4		1/4	1/4		1/4		1/4
1/2	1,814.14	1/2	1,496.88	1/2	1,179.33	1/2	861.23	1/2	543.67	1/2	226.80	1/2		1/2	1/2		1/2		1/2
3/4	1,807.52	3/4	1,490.33	3/4	1,172.70	3/4	854.60	3/4	537.08	3/4	220.17	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/10/1995 CTC  
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 REPRINTED: 08/08/2019 CL

CANCELS AND SUPERCEDES  
 ALL PRIOR TO 08/2019

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