



BARGE "KIRBY 31007"

ULLAGE "HERMETIC"

FORMERLY "SMS 30014"

	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	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/4	- 01-1/4	01-1/2	- 01-1/2
1 STBD	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/4	- 01-1/4	01-1/2	- 01-1/2
2 PORT	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/4	- 01-1/4	01-1/2	- 01-1/2
2 STBD	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/4	- 01-1/4	01-1/2	- 01-1/2
3 PORT	00-1/2	- 00-1/2	01-1/8	- 01-1/8	01-5/8	- 01-5/8	02-1/4	- 02-1/4	02-3/4	- 02-3/4	03-3/8	- 03-3/8
3 STBD	00-1/2	- 00-1/2	01-1/8	- 01-1/8	01-5/8	- 01-5/8	02-1/4	- 02-1/4	02-3/4	- 02-3/4	03-3/8	- 03-3/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

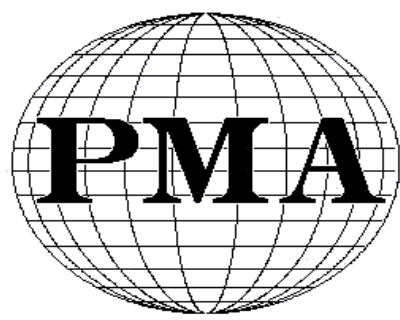
THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 00-1/2"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 1/2"

LENGTH BETWEEN DRAFT MARKS: 252'-00"

February 13, 2025

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

<http://www.pmacorp.net>



BARGE "KIRBY 31007"

1 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30014"

GAUGE HEIGHT 17'-03 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	5,159.01	0	4,815.44	0	4,456.82	0	4,093.56	0	3,730.29	0	3,367.03	0	3,003.77
1/4		1/4		1/4		1/4	5,152.04	1/4	4,808.15	1/4	4,449.25	1/4	4,085.99	1/4	3,722.72	1/4	3,359.46	1/4	2,996.20
1/2		1/2		1/2		1/2	5,145.00	1/2	4,800.78	1/2	4,441.68	1/2	4,078.42	1/2	3,715.15	1/2	3,351.89	1/2	2,988.63
3/4		3/4		3/4		3/4	5,137.96	3/4	4,793.42	3/4	4,434.12	3/4	4,070.86	3/4	3,707.59	3/4	3,344.32	3/4	2,981.06
1		1		1		1	5,130.91	1	4,786.05	1	4,426.55	1	4,063.29	1	3,700.02	1	3,336.76	1	2,973.49
1/4		1/4		1/4		1/4	5,123.87	1/4	4,778.68	1/4	4,418.98	1/4	4,055.72	1/4	3,692.45	1/4	3,329.19	1/4	2,965.92
1/2		1/2		1/2		1/2	5,116.83	1/2	4,771.32	1/2	4,411.41	1/2	4,048.15	1/2	3,684.88	1/2	3,321.62	1/2	2,958.35
3/4		3/4		3/4		3/4	5,109.78	3/4	4,763.95	3/4	4,403.85	3/4	4,040.58	3/4	3,677.32	3/4	3,314.05	3/4	2,950.78
2		2		2		2	5,102.74	2	4,756.59	2	4,396.28	2	4,033.01	2	3,669.75	2	3,306.49	2	2,943.22
1/4		1/4		1/4		1/4	5,095.69	1/4	4,749.22	1/4	4,388.71	1/4	4,025.44	1/4	3,662.18	1/4	3,298.92	1/4	2,935.65
1/2		1/2		1/2		1/2	5,088.65	1/2	4,741.86	1/2	4,381.14	1/2	4,017.87	1/2	3,654.61	1/2	3,291.35	1/2	2,928.08
3/4		3/4		3/4		3/4	5,081.61	3/4	4,734.49	3/4	4,373.58	3/4	4,010.31	3/4	3,647.04	3/4	3,283.78	3/4	2,920.51
3		3		3		3	5,074.56	3	4,727.13	3	4,366.01	3	4,002.74	3	3,639.48	3	3,276.21	3	2,912.95
1/4		1/4		1/4	5,326.41	1/4	5,067.52	1/4	4,719.76	1/4	4,358.44	1/4	3,995.17	1/4	3,631.91	1/4	3,268.64	1/4	2,905.38
1/2		1/2		1/2	5,325.78	1/2	5,060.40	1/2	4,712.31	1/2	4,350.87	1/2	3,987.60	1/2	3,624.34	1/2	3,261.07	1/2	2,897.81
3/4		3/4		3/4	5,325.15	3/4	5,053.27	3/4	4,704.87	3/4	4,343.30	3/4	3,980.04	3/4	3,616.77	3/4	3,253.50	3/4	2,890.24
4		4		4	5,324.52	4	5,046.15	4	4,697.42	4	4,335.73	4	3,972.47	4	3,609.21	4	3,245.94	4	2,882.68
1/4		1/4		1/4	5,323.89	1/4	5,039.02	1/4	4,689.97	1/4	4,328.16	1/4	3,964.90	1/4	3,601.64	1/4	3,238.37	1/4	2,875.11
1/2		1/2		1/2	5,322.00	1/2	5,031.90	1/2	4,682.52	1/2	4,320.59	1/2	3,957.33	1/2	3,594.07	1/2	3,230.80	1/2	2,867.54
3/4		3/4		3/4	5,320.11	3/4	5,024.77	3/4	4,675.08	3/4	4,313.03	3/4	3,949.77	3/4	3,586.50	3/4	3,223.23	3/4	2,859.97
5		5		5	5,318.21	5	5,017.65	5	4,667.63	5	4,305.46	5	3,942.20	5	3,578.93	5	3,215.67	5	2,852.41
1/4		1/4		1/4	5,316.32	1/4	5,010.52	1/4	4,660.18	1/4	4,297.89	1/4	3,934.63	1/4	3,571.36	1/4	3,208.10	1/4	2,844.84
1/2		1/2		1/2	5,313.17	1/2	5,003.40	1/2	4,652.73	1/2	4,290.32	1/2	3,927.06	1/2	3,563.79	1/2	3,200.53	1/2	2,837.27
3/4		3/4		3/4	5,310.02	3/4	4,996.28	3/4	4,645.29	3/4	4,282.76	3/4	3,919.50	3/4	3,556.22	3/4	3,192.96	3/4	2,829.70
6		6		6	5,306.86	6	4,989.15	6	4,637.84	6	4,275.19	6	3,911.93	6	3,548.66	6	3,185.40	6	2,822.13
1/4		1/4		1/4	5,303.71	1/4	4,982.03	1/4	4,630.39	1/4	4,267.62	1/4	3,904.36	1/4	3,541.09	1/4	3,177.83	1/4	2,814.56
1/2		1/2		1/2	5,299.30	1/2	4,974.83	1/2	4,622.86	1/2	4,260.05	1/2	3,896.79	1/2	3,533.52	1/2	3,170.26	1/2	2,806.99
3/4		3/4		3/4	5,294.88	3/4	4,967.62	3/4	4,615.34	3/4	4,252.49	3/4	3,889.22	3/4	3,525.95	3/4	3,162.69	3/4	2,799.42
7		7		7	5,290.47	7	4,960.42	7	4,607.81	7	4,244.92	7	3,881.65	7	3,518.39	7	3,155.13	7	2,791.86
1/4		1/4		1/4	5,286.05	1/4	4,953.21	1/4	4,600.28	1/4	4,237.35	1/4	3,874.08	1/4	3,510.82	1/4	3,147.56	1/4	2,784.29
1/2		1/2		1/2	5,280.38	1/2	4,946.01	1/2	4,592.76	1/2	4,229.78	1/2	3,866.51	1/2	3,503.25	1/2	3,139.99	1/2	2,776.72
3/4		3/4		3/4	5,274.70	3/4	4,938.80	3/4	4,585.23	3/4	4,222.22	3/4	3,858.95	3/4	3,495.68	3/4	3,132.42	3/4	2,769.15
8		8		8	5,269.03	8	4,931.60	8	4,577.71	8	4,214.65	8	3,851.38	8	3,488.12	8	3,124.85	8	2,761.59
1/4		1/4		1/4	5,263.35	1/4	4,924.39	1/4	4,570.18	1/4	4,207.08	1/4	3,843.81	1/4	3,480.55	1/4	3,117.28	1/4	2,754.02
1/2		1/2		1/2	5,256.41	1/2	4,917.19	1/2	4,562.65	1/2	4,199.51	1/2	3,836.24	1/2	3,472.98	1/2	3,109.71	1/2	2,746.45
3/4		3/4		3/4	5,249.48	3/4	4,909.98	3/4	4,555.13	3/4	4,191.94	3/4	3,828.68	3/4	3,465.41	3/4	3,102.14	3/4	2,738.88
9		9		9	5,242.54	9	4,902.78	9	4,547.60	9	4,184.37	9	3,821.11	9	3,457.85	9	3,094.58	9	2,731.32
1/4		1/4		1/4	5,235.60	1/4	4,895.57	1/4	4,540.07	1/4	4,176.80	1/4	3,813.54	1/4	3,450.28	1/4	3,087.01	1/4	2,723.75
1/2		1/2		1/2	5,228.64	1/2	4,888.29	1/2	4,532.50	1/2	4,169.23	1/2	3,805.97	1/2	3,442.71	1/2	3,079.44	1/2	2,716.18
3/4		3/4		3/4	5,221.68	3/4	4,881.00	3/4	4,524.94	3/4	4,161.67	3/4	3,798.41	3/4	3,435.14	3/4	3,071.87	3/4	2,708.61
10		10		10	5,214.71	10	4,873.72	10	4,517.37	10	4,154.10	10	3,790.84	10	3,427.57	10	3,064.31	10	2,701.05
1/4		1/4		1/4	5,207.75	1/4	4,866.43	1/4	4,509.80	1/4	4,146.53	1/4	3,783.27	1/4	3,420.00	1/4	3,056.74	1/4	2,693.48
1/2		1/2		1/2	5,200.79	1/2	4,859.15	1/2	4,502.23	1/2	4,138.96	1/2	3,775.70	1/2	3,412.43	1/2	3,049.17	1/2	2,685.91
3/4		3/4		3/4	5,193.83	3/4	4,851.86	3/4	4,494.66	3/4	4,131.40	3/4	3,768.14	3/4	3,404.86	3/4	3,041.60	3/4	2,678.34
11		11		11	5,186.86	11	4,844.58	11	4,487.09	11	4,123.83	11	3,760.57	11	3,397.30	11	3,034.04	11	2,670.77
1/4		1/4		1/4	5,179.90	1/4	4,837.29	1/4	4,479.52	1/4	4,116.26	1/4	3,753.00	1/4	3,389.73	1/4	3,026.47	1/4	2,663.20
1/2		1/2		1/2	5,172.94	1/2	4,830.01	1/2	4,471.95	1/2	4,108.69	1/2	3,745.43	1/2	3,382.16	1/2	3,018.90	1/2	2,655.63
3/4		3/4		3/4	5,165.97	3/4	4,822.72	3/4	4,464.39	3/4	4,101.13	3/4	3,737.86	3/4	3,374.59	3/4	3,011.33	3/4	2,648.06

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 GAUGING DEVICE
GAUGE POINT: (HERMETIC) LOCATED 11'-00" OFF CENTERLINE AND 48'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 31007"

1 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30014"

GAUGE HEIGHT 17'-03 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	2,640.50	0	2,277.24	0	1,913.97	0	1,550.71	0	1,187.97	0	825.19	0	461.93	0	98.66	0		0	
1/4	2,632.93	1/4	2,269.67	1/4	1,906.40	1/4	1,543.14	1/4	1,180.42	1/4	817.62	1/4	454.36	1/4	91.09	1/4		1/4	
1/2	2,625.36	1/2	2,262.10	1/2	1,898.83	1/2	1,535.57	1/2	1,172.87	1/2	810.05	1/2	446.79	1/2	83.90	1/2		1/2	
3/4	2,617.79	3/4	2,254.53	3/4	1,891.26	3/4	1,528.00	3/4	1,165.32	3/4	802.48	3/4	439.22	3/4	76.71	3/4		3/4	
1	2,610.23	1	2,246.97	1	1,883.70	1	1,520.44	1	1,157.78	1	794.92	1	431.66	1	69.52	1		1	
1/4	2,602.66	1/4	2,239.40	1/4	1,876.13	1/4	1,512.87	1/4	1,150.23	1/4	787.35	1/4	424.09	1/4	62.33	1/4		1/4	
1/2	2,595.09	1/2	2,231.83	1/2	1,868.56	1/2	1,505.30	1/2	1,142.68	1/2	779.78	1/2	416.52	1/2	56.28	1/2		1/2	
3/4	2,587.52	3/4	2,224.26	3/4	1,860.99	3/4	1,497.73	3/4	1,135.14	3/4	772.21	3/4	408.95	3/4	50.22	3/4		3/4	
2	2,579.96	2	2,216.69	2	1,853.43	2	1,490.17	2	1,127.59	2	764.65	2	401.38	2	44.17	2		2	
1/4	2,572.39	1/4	2,209.12	1/4	1,845.86	1/4	1,482.60	1/4	1,120.05	1/4	757.08	1/4	393.81	1/4	38.12	1/4		1/4	
1/2	2,564.82	1/2	2,201.55	1/2	1,838.29	1/2	1,475.03	1/2	1,112.50	1/2	749.51	1/2	386.24	1/2	33.58	1/2		1/2	
3/4	2,557.25	3/4	2,193.98	3/4	1,830.72	3/4	1,467.46	3/4	1,104.95	3/4	741.94	3/4	378.67	3/4	29.04	3/4		3/4	
3	2,549.69	3	2,186.42	3	1,823.16	3	1,459.89	3	1,097.41	3	734.37	3	371.11	3	24.50	3		3	
1/4	2,542.12	1/4	2,178.85	1/4	1,815.59	1/4	1,452.32	1/4	1,089.86	1/4	726.80	1/4	363.54	1/4	19.96	1/4		1/4	
1/2	2,534.55	1/2	2,171.28	1/2	1,808.02	1/2	1,444.75	1/2	1,082.31	1/2	719.23	1/2	355.97	1/2		1/2		1/2	
3/4	2,526.98	3/4	2,163.71	3/4	1,800.45	3/4	1,437.18	3/4	1,074.76	3/4	711.66	3/4	348.40	3/4		3/4		3/4	
4	2,519.41	4	2,156.15	4	1,792.89	4	1,429.62	4	1,067.22	4	704.10	4	340.84	4		4		4	
1/4	2,511.84	1/4	2,148.58	1/4	1,785.32	1/4	1,422.05	1/4	1,059.67	1/4	696.53	1/4	333.27	1/4		1/4		1/4	
1/2	2,504.27	1/2	2,141.01	1/2	1,777.75	1/2	1,414.48	1/2	1,052.12	1/2	688.96	1/2	325.70	1/2		1/2		1/2	
3/4	2,496.70	3/4	2,133.44	3/4	1,770.18	3/4	1,406.91	3/4	1,044.57	3/4	681.39	3/4	318.13	3/4		3/4		3/4	
5	2,489.14	5	2,125.88	5	1,762.61	5	1,399.35	5	1,037.03	5	673.83	5	310.57	5		5		5	
1/4	2,481.57	1/4	2,118.31	1/4	1,755.04	1/4	1,391.78	1/4	1,029.48	1/4	666.26	1/4	303.00	1/4		1/4		1/4	
1/2	2,474.00	1/2	2,110.74	1/2	1,747.47	1/2	1,384.22	1/2	1,021.92	1/2	658.69	1/2	295.43	1/2		1/2		1/2	
3/4	2,466.43	3/4	2,103.17	3/4	1,739.90	3/4	1,376.66	3/4	1,014.36	3/4	651.12	3/4	287.86	3/4		3/4		3/4	
6	2,458.87	6	2,095.61	6	1,732.34	6	1,369.11	6	1,006.81	6	643.56	6	280.29	6		6		6	
1/4	2,451.30	1/4	2,088.04	1/4	1,724.77	1/4	1,361.55	1/4	999.25	1/4	635.99	1/4	272.72	1/4		1/4		1/4	
1/2	2,443.73	1/2	2,080.47	1/2	1,717.20	1/2	1,354.00	1/2	991.68	1/2	628.42	1/2	265.15	1/2		1/2		1/2	
3/4	2,436.16	3/4	2,072.90	3/4	1,709.63	3/4	1,346.45	3/4	984.11	3/4	620.85	3/4	257.58	3/4		3/4		3/4	
7	2,428.60	7	2,065.33	7	1,702.07	7	1,338.91	7	976.55	7	613.29	7	250.02	7		7		7	
1/4	2,421.03	1/4	2,057.76	1/4	1,694.50	1/4	1,331.36	1/4	968.98	1/4	605.72	1/4	242.45	1/4		1/4		1/4	
1/2	2,413.46	1/2	2,050.19	1/2	1,686.93	1/2	1,323.81	1/2	961.41	1/2	598.15	1/2	234.88	1/2		1/2		1/2	
3/4	2,405.89	3/4	2,042.62	3/4	1,679.36	3/4	1,316.26	3/4	953.84	3/4	590.58	3/4	227.31	3/4		3/4		3/4	
8	2,398.33	8	2,035.06	8	1,671.80	8	1,308.72	8	946.28	8	583.01	8	219.75	8		8		8	
1/4	2,390.76	1/4	2,027.49	1/4	1,664.23	1/4	1,301.17	1/4	938.71	1/4	575.44	1/4	212.18	1/4		1/4		1/4	
1/2	2,383.19	1/2	2,019.92	1/2	1,656.66	1/2	1,293.62	1/2	931.14	1/2	567.87	1/2	204.61	1/2		1/2		1/2	
3/4	2,375.62	3/4	2,012.35	3/4	1,649.09	3/4	1,286.08	3/4	923.57	3/4	560.30	3/4	197.04	3/4		3/4		3/4	
9	2,368.05	9	2,004.79	9	1,641.53	9	1,278.53	9	916.01	9	552.74	9	189.48	9		9		9	
1/4	2,360.48	1/4	1,997.22	1/4	1,633.96	1/4	1,270.99	1/4	908.44	1/4	545.17	1/4	181.91	1/4		1/4		1/4	
1/2	2,352.91	1/2	1,989.65	1/2	1,626.39	1/2	1,263.44	1/2	900.87	1/2	537.60	1/2	174.34	1/2		1/2		1/2	
3/4	2,345.34	3/4	1,982.08	3/4	1,618.82	3/4	1,255.89	3/4	893.30	3/4	530.03	3/4	166.77	3/4		3/4		3/4	
10	2,337.78	10	1,974.52	10	1,611.25	10	1,248.35	10	885.73	10	522.47	10	159.21	10		10		10	
1/4	2,330.21	1/4	1,966.95	1/4	1,603.68	1/4	1,240.80	1/4	878.16	1/4	514.90	1/4	151.64	1/4		1/4		1/4	
1/2	2,322.64	1/2	1,959.38	1/2	1,596.11	1/2	1,233.25	1/2	870.59	1/2	507.33	1/2	144.07	1/2		1/2		1/2	
3/4	2,315.07	3/4	1,951.81	3/4	1,588.54	3/4	1,225.70	3/4	863.02	3/4	499.76	3/4	136.50	3/4		3/4		3/4	
11	2,307.51	11	1,944.25	11	1,580.98	11	1,218.16	11	855.46	11	492.20	11	128.93	11		11		11	
1/4	2,299.94	1/4	1,936.68	1/4	1,573.41	1/4	1,210.61	1/4	847.89	1/4	484.63	1/4	121.36	1/4		1/4		1/4	
1/2	2,292.37	1/2	1,929.11	1/2	1,565.84	1/2	1,203.06	1/2	840.32	1/2	477.06	1/2	113.79	1/2		1/2		1/2	
3/4	2,284.80	3/4	1,921.54	3/4	1,558.27	3/4	1,195.51	3/4	832.75	3/4	469.49	3/4	106.22	3/4		3/4		3/4	

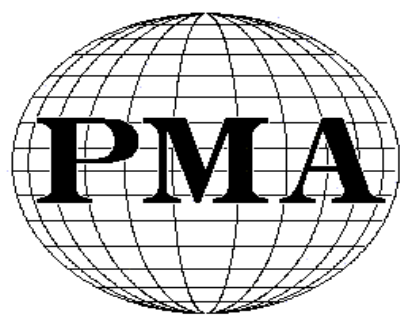
CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/14/2009 INSP
RECALCULATED: 02/19/2025 PMA
NAME CHANGE: 02/19/2025 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2025

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 31007"

1 STBD

ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30014"

GAUGE HEIGHT 17'-03 1/2"

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	5,165.97	0	4,822.72	0	4,464.39	0	4,101.13	0	3,737.86	0	3,374.59	0	3,011.33
1/4		1/4		1/4		1/4	5,159.01	1/4	4,815.44	1/4	4,456.82	1/4	4,093.56	1/4	3,730.29	1/4	3,367.03	1/4	3,003.77
1/2		1/2		1/2		1/2	5,152.04	1/2	4,808.15	1/2	4,449.25	1/2	4,085.99	1/2	3,722.72	1/2	3,359.46	1/2	2,996.20
3/4		3/4		3/4		3/4	5,145.00	3/4	4,800.78	3/4	4,441.68	3/4	4,078.42	3/4	3,715.15	3/4	3,351.89	3/4	2,988.63
1		1		1		1	5,137.96	1	4,793.42	1	4,434.12	1	4,070.86	1	3,707.59	1	3,344.32	1	2,981.06
1/4		1/4		1/4		1/4	5,130.91	1/4	4,786.05	1/4	4,426.55	1/4	4,063.29	1/4	3,700.02	1/4	3,336.76	1/4	2,973.49
1/2		1/2		1/2		1/2	5,123.87	1/2	4,778.68	1/2	4,418.98	1/2	4,055.72	1/2	3,692.45	1/2	3,329.19	1/2	2,965.92
3/4		3/4		3/4		3/4	5,116.83	3/4	4,771.32	3/4	4,411.41	3/4	4,048.15	3/4	3,684.88	3/4	3,321.62	3/4	2,958.35
2		2		2		2	5,109.78	2	4,763.95	2	4,403.85	2	4,040.58	2	3,677.32	2	3,314.05	2	2,950.78
1/4		1/4		1/4		1/4	5,102.74	1/4	4,756.59	1/4	4,396.28	1/4	4,033.01	1/4	3,669.75	1/4	3,306.49	1/4	2,943.22
1/2		1/2		1/2		1/2	5,095.69	1/2	4,749.22	1/2	4,388.71	1/2	4,025.44	1/2	3,662.18	1/2	3,298.92	1/2	2,935.65
3/4		3/4		3/4		3/4	5,088.65	3/4	4,741.86	3/4	4,381.14	3/4	4,017.87	3/4	3,654.61	3/4	3,291.35	3/4	2,928.08
3		3		3		3	5,081.61	3	4,734.49	3	4,373.58	3	4,010.31	3	3,647.04	3	3,283.78	3	2,920.51
1/4		1/4		1/4		1/4	5,074.56	1/4	4,727.13	1/4	4,366.01	1/4	4,002.74	1/4	3,639.48	1/4	3,276.21	1/4	2,912.95
1/2		1/2		1/2	5,326.41	1/2	5,067.52	1/2	4,719.76	1/2	4,358.44	1/2	3,995.17	1/2	3,631.91	1/2	3,268.64	1/2	2,905.38
3/4		3/4		3/4	5,325.78	3/4	5,060.40	3/4	4,712.31	3/4	4,350.87	3/4	3,987.60	3/4	3,624.34	3/4	3,261.07	3/4	2,897.81
4		4		4	5,325.15	4	5,053.27	4	4,704.87	4	4,343.30	4	3,980.04	4	3,616.77	4	3,253.50	4	2,890.24
1/4		1/4		1/4	5,324.52	1/4	5,046.15	1/4	4,697.42	1/4	4,335.73	1/4	3,972.47	1/4	3,609.21	1/4	3,245.94	1/4	2,882.68
1/2		1/2		1/2	5,323.89	1/2	5,039.02	1/2	4,689.97	1/2	4,328.16	1/2	3,964.90	1/2	3,601.64	1/2	3,238.37	1/2	2,875.11
3/4		3/4		3/4	5,322.00	3/4	5,031.90	3/4	4,682.52	3/4	4,320.59	3/4	3,957.33	3/4	3,594.07	3/4	3,230.80	3/4	2,867.54
5		5		5	5,320.11	5	5,024.77	5	4,675.08	5	4,313.03	5	3,949.77	5	3,586.50	5	3,223.23	5	2,859.97
1/4		1/4		1/4	5,318.21	1/4	5,017.65	1/4	4,667.63	1/4	4,305.46	1/4	3,942.20	1/4	3,578.93	1/4	3,215.67	1/4	2,852.41
1/2		1/2		1/2	5,316.32	1/2	5,010.52	1/2	4,660.18	1/2	4,297.89	1/2	3,934.63	1/2	3,571.36	1/2	3,208.10	1/2	2,844.84
3/4		3/4		3/4	5,313.17	3/4	5,003.40	3/4	4,652.73	3/4	4,290.32	3/4	3,927.06	3/4	3,563.79	3/4	3,200.53	3/4	2,837.27
6		6		6	5,310.02	6	4,996.28	6	4,645.29	6	4,282.76	6	3,919.50	6	3,556.22	6	3,192.96	6	2,829.70
1/4		1/4		1/4	5,306.86	1/4	4,989.15	1/4	4,637.84	1/4	4,275.19	1/4	3,911.93	1/4	3,548.66	1/4	3,185.40	1/4	2,822.13
1/2		1/2		1/2	5,303.71	1/2	4,982.03	1/2	4,630.39	1/2	4,267.62	1/2	3,904.36	1/2	3,541.09	1/2	3,177.83	1/2	2,814.56
3/4		3/4		3/4	5,299.30	3/4	4,974.83	3/4	4,622.86	3/4	4,260.05	3/4	3,896.79	3/4	3,533.52	3/4	3,170.26	3/4	2,806.99
7		7		7	5,294.88	7	4,967.62	7	4,615.34	7	4,252.49	7	3,889.22	7	3,525.95	7	3,162.69	7	2,799.42
1/4		1/4		1/4	5,290.47	1/4	4,960.42	1/4	4,607.81	1/4	4,244.92	1/4	3,881.65	1/4	3,518.39	1/4	3,155.13	1/4	2,791.86
1/2		1/2		1/2	5,286.05	1/2	4,953.21	1/2	4,600.28	1/2	4,237.35	1/2	3,874.08	1/2	3,510.82	1/2	3,147.56	1/2	2,784.29
3/4		3/4		3/4	5,280.38	3/4	4,946.01	3/4	4,592.76	3/4	4,229.78	3/4	3,866.51	3/4	3,503.25	3/4	3,139.99	3/4	2,776.72
8		8		8	5,274.70	8	4,938.80	8	4,585.23	8	4,222.22	8	3,858.95	8	3,495.68	8	3,132.42	8	2,769.15
1/4		1/4		1/4	5,269.03	1/4	4,931.60	1/4	4,577.71	1/4	4,214.65	1/4	3,851.38	1/4	3,488.12	1/4	3,124.85	1/4	2,761.59
1/2		1/2		1/2	5,263.35	1/2	4,924.39	1/2	4,570.18	1/2	4,207.08	1/2	3,843.81	1/2	3,480.55	1/2	3,117.28	1/2	2,754.02
3/4		3/4		3/4	5,256.41	3/4	4,917.19	3/4	4,562.65	3/4	4,199.51	3/4	3,836.24	3/4	3,472.98	3/4	3,109.71	3/4	2,746.45
9		9		9	5,249.48	9	4,909.98	9	4,555.13	9	4,191.94	9	3,828.68	9	3,465.41	9	3,102.14	9	2,738.88
1/4		1/4		1/4	5,242.54	1/4	4,902.78	1/4	4,547.60	1/4	4,184.37	1/4	3,821.11	1/4	3,457.85	1/4	3,094.58	1/4	2,731.32
1/2		1/2		1/2	5,235.60	1/2	4,895.57	1/2	4,540.07	1/2	4,176.80	1/2	3,813.54	1/2	3,450.28	1/2	3,087.01	1/2	2,723.75
3/4		3/4		3/4	5,228.64	3/4	4,888.29	3/4	4,532.50	3/4	4,169.23	3/4	3,805.97	3/4	3,442.71	3/4	3,079.44	3/4	2,716.18
10		10		10	5,221.68	10	4,881.00	10	4,524.94	10	4,161.67	10	3,798.41	10	3,435.14	10	3,071.87	10	2,708.61
1/4		1/4		1/4	5,214.71	1/4	4,873.72	1/4	4,517.37	1/4	4,154.10	1/4	3,790.84	1/4	3,427.57	1/4	3,064.31	1/4	2,701.05
1/2		1/2		1/2	5,207.75	1/2	4,866.43	1/2	4,509.80	1/2	4,146.53	1/2	3,783.27	1/2	3,420.00	1/2	3,056.74	1/2	2,693.48
3/4		3/4		3/4	5,200.79	3/4	4,859.15	3/4	4,502.23	3/4	4,138.96	3/4	3,775.70	3/4	3,412.43	3/4	3,049.17	3/4	2,685.91
11		11		11	5,193.83	11	4,851.86	11	4,494.66	11	4,131.40	11	3,768.14	11	3,404.86	11	3,041.60	11	2,678.34
1/4		1/4		1/4	5,186.86	1/4	4,844.58	1/4	4,487.09	1/4	4,123.83	1/4	3,760.57	1/4	3,397.30	1/4	3,034.04	1/4	2,670.77
1/2		1/2		1/2	5,179.90	1/2	4,837.29	1/2	4,479.52	1/2	4,116.26	1/2	3,753.00	1/2	3,389.73	1/2	3,026.47	1/2	2,663.20
3/4		3/4		3/4	5,172.94	3/4	4,830.01	3/4	4,471.95	3/4	4,108.69	3/4	3,745.43	3/4	3,382.16	3/4	3,018.90	3/4	2,655.63

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 GAUGING DEVICE
GAUGE POINT: (HERMETIC) LOCATED 11'-00" OFF CENTERLINE AND 48'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 31007"

1 STBD

ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30014"

GAUGE HEIGHT 17'-03 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	2,648.06	0	2,284.80	0	1,921.54	0	1,558.27	0	1,195.51	0	832.75	0	469.49	0	106.22	0		0	
1/4	2,640.50	1/4	2,277.24	1/4	1,913.97	1/4	1,550.71	1/4	1,187.97	1/4	825.19	1/4	461.93	1/4	98.66	1/4		1/4	
1/2	2,632.93	1/2	2,269.67	1/2	1,906.40	1/2	1,543.14	1/2	1,180.42	1/2	817.62	1/2	454.36	1/2	91.09	1/2		1/2	
3/4	2,625.36	3/4	2,262.10	3/4	1,898.83	3/4	1,535.57	3/4	1,172.87	3/4	810.05	3/4	446.79	3/4	83.90	3/4		3/4	
1	2,617.79	1	2,254.53	1	1,891.26	1	1,528.00	1	1,165.32	1	802.48	1	439.22	1	76.71	1		1	
1/4	2,610.23	1/4	2,246.97	1/4	1,883.70	1/4	1,520.44	1/4	1,157.78	1/4	794.92	1/4	431.66	1/4	69.52	1/4		1/4	
1/2	2,602.66	1/2	2,239.40	1/2	1,876.13	1/2	1,512.87	1/2	1,150.23	1/2	787.35	1/2	424.09	1/2	62.33	1/2		1/2	
3/4	2,595.09	3/4	2,231.83	3/4	1,868.56	3/4	1,505.30	3/4	1,142.68	3/4	779.78	3/4	416.52	3/4	56.28	3/4		3/4	
2	2,587.52	2	2,224.26	2	1,860.99	2	1,497.73	2	1,135.14	2	772.21	2	408.95	2	50.22	2		2	
1/4	2,579.96	1/4	2,216.69	1/4	1,853.43	1/4	1,490.17	1/4	1,127.59	1/4	764.65	1/4	401.38	1/4	44.17	1/4		1/4	
1/2	2,572.39	1/2	2,209.12	1/2	1,845.86	1/2	1,482.60	1/2	1,120.05	1/2	757.08	1/2	393.81	1/2	38.12	1/2		1/2	
3/4	2,564.82	3/4	2,201.55	3/4	1,838.29	3/4	1,475.03	3/4	1,112.50	3/4	749.51	3/4	386.24	3/4	33.58	3/4		3/4	
3	2,557.25	3	2,193.98	3	1,830.72	3	1,467.46	3	1,104.95	3	741.94	3	378.67	3	29.04	3		3	
1/4	2,549.69	1/4	2,186.42	1/4	1,823.16	1/4	1,459.89	1/4	1,097.41	1/4	734.37	1/4	371.11	1/4	24.50	1/4		1/4	
1/2	2,542.12	1/2	2,178.85	1/2	1,815.59	1/2	1,452.32	1/2	1,089.86	1/2	726.80	1/2	363.54	1/2	19.96	1/2		1/2	
3/4	2,534.55	3/4	2,171.28	3/4	1,808.02	3/4	1,444.75	3/4	1,082.31	3/4	719.23	3/4	355.97	3/4		3/4		3/4	
4	2,526.98	4	2,163.71	4	1,800.45	4	1,437.18	4	1,074.76	4	711.66	4	348.40	4		4		4	
1/4	2,519.41	1/4	2,156.15	1/4	1,792.89	1/4	1,429.62	1/4	1,067.22	1/4	704.10	1/4	340.84	1/4		1/4		1/4	
1/2	2,511.84	1/2	2,148.58	1/2	1,785.32	1/2	1,422.05	1/2	1,059.67	1/2	696.53	1/2	333.27	1/2		1/2		1/2	
3/4	2,504.27	3/4	2,141.01	3/4	1,777.75	3/4	1,414.48	3/4	1,052.12	3/4	688.96	3/4	325.70	3/4		3/4		3/4	
5	2,496.70	5	2,133.44	5	1,770.18	5	1,406.91	5	1,044.57	5	681.39	5	318.13	5		5		5	
1/4	2,489.14	1/4	2,125.88	1/4	1,762.61	1/4	1,399.35	1/4	1,037.03	1/4	673.83	1/4	310.57	1/4		1/4		1/4	
1/2	2,481.57	1/2	2,118.31	1/2	1,755.04	1/2	1,391.78	1/2	1,029.48	1/2	666.26	1/2	303.00	1/2		1/2		1/2	
3/4	2,474.00	3/4	2,110.74	3/4	1,747.47	3/4	1,384.22	3/4	1,021.92	3/4	658.69	3/4	295.43	3/4		3/4		3/4	
6	2,466.43	6	2,103.17	6	1,739.90	6	1,376.66	6	1,014.36	6	651.12	6	287.86	6		6		6	
1/4	2,458.87	1/4	2,095.61	1/4	1,732.34	1/4	1,369.11	1/4	1,006.81	1/4	643.56	1/4	280.29	1/4		1/4		1/4	
1/2	2,451.30	1/2	2,088.04	1/2	1,724.77	1/2	1,361.55	1/2	999.25	1/2	635.99	1/2	272.72	1/2		1/2		1/2	
3/4	2,443.73	3/4	2,080.47	3/4	1,717.20	3/4	1,354.00	3/4	991.68	3/4	628.42	3/4	265.15	3/4		3/4		3/4	
7	2,436.16	7	2,072.90	7	1,709.63	7	1,346.45	7	984.11	7	620.85	7	257.58	7		7		7	
1/4	2,428.60	1/4	2,065.33	1/4	1,702.07	1/4	1,338.91	1/4	976.55	1/4	613.29	1/4	250.02	1/4		1/4		1/4	
1/2	2,421.03	1/2	2,057.76	1/2	1,694.50	1/2	1,331.36	1/2	968.98	1/2	605.72	1/2	242.45	1/2		1/2		1/2	
3/4	2,413.46	3/4	2,050.19	3/4	1,686.93	3/4	1,323.81	3/4	961.41	3/4	598.15	3/4	234.88	3/4		3/4		3/4	
8	2,405.89	8	2,042.62	8	1,679.36	8	1,316.26	8	953.84	8	590.58	8	227.31	8		8		8	
1/4	2,398.33	1/4	2,035.06	1/4	1,671.80	1/4	1,308.72	1/4	946.28	1/4	583.01	1/4	219.75	1/4		1/4		1/4	
1/2	2,390.76	1/2	2,027.49	1/2	1,664.23	1/2	1,301.17	1/2	938.71	1/2	575.44	1/2	212.18	1/2		1/2		1/2	
3/4	2,383.19	3/4	2,019.92	3/4	1,656.66	3/4	1,293.62	3/4	931.14	3/4	567.87	3/4	204.61	3/4		3/4		3/4	
9	2,375.62	9	2,012.35	9	1,649.09	9	1,286.08	9	923.57	9	560.30	9	197.04	9		9		9	
1/4	2,368.05	1/4	2,004.79	1/4	1,641.53	1/4	1,278.53	1/4	916.01	1/4	552.74	1/4	189.48	1/4		1/4		1/4	
1/2	2,360.48	1/2	1,997.22	1/2	1,633.96	1/2	1,270.99	1/2	908.44	1/2	545.17	1/2	181.91	1/2		1/2		1/2	
3/4	2,352.91	3/4	1,989.65	3/4	1,626.39	3/4	1,263.44	3/4	900.87	3/4	537.60	3/4	174.34	3/4		3/4		3/4	
10	2,345.34	10	1,982.08	10	1,618.82	10	1,255.89	10	893.30	10	530.03	10	166.77	10		10		10	
1/4	2,337.78	1/4	1,974.52	1/4	1,611.25	1/4	1,248.35	1/4	885.73	1/4	522.47	1/4	159.21	1/4		1/4		1/4	
1/2	2,330.21	1/2	1,966.95	1/2	1,603.68	1/2	1,240.80	1/2	878.16	1/2	514.90	1/2	151.64	1/2		1/2		1/2	
3/4	2,322.64	3/4	1,959.38	3/4	1,596.11	3/4	1,233.25	3/4	870.59	3/4	507.33	3/4	144.07	3/4		3/4		3/4	
11	2,315.07	11	1,951.81	11	1,588.54	11	1,225.70	11	863.02	11	499.76	11	136.50	11		11		11	
1/4	2,307.51	1/4	1,944.25	1/4	1,580.98	1/4	1,218.16	1/4	855.46	1/4	492.20	1/4	128.93	1/4		1/4		1/4	
1/2	2,299.94	1/2	1,936.68	1/2	1,573.41	1/2	1,210.61	1/2	847.89	1/2	484.63	1/2	121.36	1/2		1/2		1/2	
3/4	2,292.37	3/4	1,929.11	3/4	1,565.84	3/4	1,203.06	3/4	840.32	3/4	477.06	3/4	113.79	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/14/2009 INSP
RECALCULATED: 02/19/2025 PMA
NAME CHANGE: 02/19/2025 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2025

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 31007"

2 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30014"

GAUGE HEIGHT 17'-03 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	5,159.01	0	4,815.44	0	4,456.82	0	4,093.56	0	3,730.29	0	3,367.03	0	3,003.77
1/4		1/4		1/4		1/4	5,152.04	1/4	4,808.15	1/4	4,449.25	1/4	4,085.99	1/4	3,722.72	1/4	3,359.46	1/4	2,996.20
1/2		1/2		1/2		1/2	5,145.00	1/2	4,800.78	1/2	4,441.68	1/2	4,078.42	1/2	3,715.15	1/2	3,351.89	1/2	2,988.63
3/4		3/4		3/4		3/4	5,137.96	3/4	4,793.42	3/4	4,434.12	3/4	4,070.86	3/4	3,707.59	3/4	3,344.32	3/4	2,981.06
1		1		1		1	5,130.91	1	4,786.05	1	4,426.55	1	4,063.29	1	3,700.02	1	3,336.76	1	2,973.49
1/4		1/4		1/4		1/4	5,123.87	1/4	4,778.68	1/4	4,418.98	1/4	4,055.72	1/4	3,692.45	1/4	3,329.19	1/4	2,965.92
1/2		1/2		1/2		1/2	5,116.83	1/2	4,771.32	1/2	4,411.41	1/2	4,048.15	1/2	3,684.88	1/2	3,321.62	1/2	2,958.35
3/4		3/4		3/4		3/4	5,109.78	3/4	4,763.95	3/4	4,403.85	3/4	4,040.58	3/4	3,677.32	3/4	3,314.05	3/4	2,950.78
2		2		2		2	5,102.74	2	4,756.59	2	4,396.28	2	4,033.01	2	3,669.75	2	3,306.49	2	2,943.22
1/4		1/4		1/4		1/4	5,095.69	1/4	4,749.22	1/4	4,388.71	1/4	4,025.44	1/4	3,662.18	1/4	3,298.92	1/4	2,935.65
1/2		1/2		1/2		1/2	5,088.65	1/2	4,741.86	1/2	4,381.14	1/2	4,017.87	1/2	3,654.61	1/2	3,291.35	1/2	2,928.08
3/4		3/4		3/4		3/4	5,081.61	3/4	4,734.49	3/4	4,373.58	3/4	4,010.31	3/4	3,647.04	3/4	3,283.78	3/4	2,920.51
3		3		3		3	5,074.56	3	4,727.13	3	4,366.01	3	4,002.74	3	3,639.48	3	3,276.21	3	2,912.95
1/4		1/4		1/4	5,326.41	1/4	5,067.52	1/4	4,719.76	1/4	4,358.44	1/4	3,995.17	1/4	3,631.91	1/4	3,268.64	1/4	2,905.38
1/2		1/2		1/2	5,325.78	1/2	5,060.40	1/2	4,712.31	1/2	4,350.87	1/2	3,987.60	1/2	3,624.34	1/2	3,261.07	1/2	2,897.81
3/4		3/4		3/4	5,325.15	3/4	5,053.27	3/4	4,704.87	3/4	4,343.30	3/4	3,980.04	3/4	3,616.77	3/4	3,253.50	3/4	2,890.24
4		4		4	5,324.52	4	5,046.15	4	4,697.42	4	4,335.73	4	3,972.47	4	3,609.21	4	3,245.94	4	2,882.68
1/4		1/4		1/4	5,323.89	1/4	5,039.02	1/4	4,689.97	1/4	4,328.16	1/4	3,964.90	1/4	3,601.64	1/4	3,238.37	1/4	2,875.11
1/2		1/2		1/2	5,322.00	1/2	5,031.90	1/2	4,682.52	1/2	4,320.59	1/2	3,957.33	1/2	3,594.07	1/2	3,230.80	1/2	2,867.54
3/4		3/4		3/4	5,320.11	3/4	5,024.77	3/4	4,675.08	3/4	4,313.03	3/4	3,949.77	3/4	3,586.50	3/4	3,223.23	3/4	2,859.97
5		5		5	5,318.21	5	5,017.65	5	4,667.63	5	4,305.46	5	3,942.20	5	3,578.93	5	3,215.67	5	2,852.41
1/4		1/4		1/4	5,316.32	1/4	5,010.52	1/4	4,660.18	1/4	4,297.89	1/4	3,934.63	1/4	3,571.36	1/4	3,208.10	1/4	2,844.84
1/2		1/2		1/2	5,313.17	1/2	5,003.40	1/2	4,652.73	1/2	4,290.32	1/2	3,927.06	1/2	3,563.79	1/2	3,200.53	1/2	2,837.27
3/4		3/4		3/4	5,310.02	3/4	4,996.28	3/4	4,645.29	3/4	4,282.76	3/4	3,919.50	3/4	3,556.22	3/4	3,192.96	3/4	2,829.70
6		6		6	5,306.86	6	4,989.15	6	4,637.84	6	4,275.19	6	3,911.93	6	3,548.66	6	3,185.40	6	2,822.13
1/4		1/4		1/4	5,303.71	1/4	4,982.03	1/4	4,630.39	1/4	4,267.62	1/4	3,904.36	1/4	3,541.09	1/4	3,177.83	1/4	2,814.56
1/2		1/2		1/2	5,299.30	1/2	4,974.83	1/2	4,622.86	1/2	4,260.05	1/2	3,896.79	1/2	3,533.52	1/2	3,170.26	1/2	2,806.99
3/4		3/4		3/4	5,294.88	3/4	4,967.62	3/4	4,615.34	3/4	4,252.49	3/4	3,889.22	3/4	3,525.95	3/4	3,162.69	3/4	2,799.42
7		7		7	5,290.47	7	4,960.42	7	4,607.81	7	4,244.92	7	3,881.65	7	3,518.39	7	3,155.13	7	2,791.86
1/4		1/4		1/4	5,286.05	1/4	4,953.21	1/4	4,600.28	1/4	4,237.35	1/4	3,874.08	1/4	3,510.82	1/4	3,147.56	1/4	2,784.29
1/2		1/2		1/2	5,280.38	1/2	4,946.01	1/2	4,592.76	1/2	4,229.78	1/2	3,866.51	1/2	3,503.25	1/2	3,139.99	1/2	2,776.72
3/4		3/4		3/4	5,274.70	3/4	4,938.80	3/4	4,585.23	3/4	4,222.22	3/4	3,858.95	3/4	3,495.68	3/4	3,132.42	3/4	2,769.15
8		8		8	5,269.03	8	4,931.60	8	4,577.71	8	4,214.65	8	3,851.38	8	3,488.12	8	3,124.85	8	2,761.59
1/4		1/4		1/4	5,263.35	1/4	4,924.39	1/4	4,570.18	1/4	4,207.08	1/4	3,843.81	1/4	3,480.55	1/4	3,117.28	1/4	2,754.02
1/2		1/2		1/2	5,256.41	1/2	4,917.19	1/2	4,562.65	1/2	4,199.51	1/2	3,836.24	1/2	3,472.98	1/2	3,109.71	1/2	2,746.45
3/4		3/4		3/4	5,249.48	3/4	4,909.98	3/4	4,555.13	3/4	4,191.94	3/4	3,828.68	3/4	3,465.41	3/4	3,102.14	3/4	2,738.88
9		9		9	5,242.54	9	4,902.78	9	4,547.60	9	4,184.37	9	3,821.11	9	3,457.85	9	3,094.58	9	2,731.32
1/4		1/4		1/4	5,235.60	1/4	4,895.57	1/4	4,540.07	1/4	4,176.80	1/4	3,813.54	1/4	3,450.28	1/4	3,087.01	1/4	2,723.75
1/2		1/2		1/2	5,228.64	1/2	4,888.29	1/2	4,532.50	1/2	4,169.23	1/2	3,805.97	1/2	3,442.71	1/2	3,079.44	1/2	2,716.18
3/4		3/4		3/4	5,221.68	3/4	4,881.00	3/4	4,524.94	3/4	4,161.67	3/4	3,798.41	3/4	3,435.14	3/4	3,071.87	3/4	2,708.61
10		10		10	5,214.71	10	4,873.72	10	4,517.37	10	4,154.10	10	3,790.84	10	3,427.57	10	3,064.31	10	2,701.05
1/4		1/4		1/4	5,207.75	1/4	4,866.43	1/4	4,509.80	1/4	4,146.53	1/4	3,783.27	1/4	3,420.00	1/4	3,056.74	1/4	2,693.48
1/2		1/2		1/2	5,200.79	1/2	4,859.15	1/2	4,502.23	1/2	4,138.96	1/2	3,775.70	1/2	3,412.43	1/2	3,049.17	1/2	2,685.91
3/4		3/4		3/4	5,193.83	3/4	4,851.86	3/4	4,494.66	3/4	4,131.40	3/4	3,768.14	3/4	3,404.86	3/4	3,041.60	3/4	2,678.34
11		11		11	5,186.86	11	4,844.58	11	4,487.09	11	4,123.83	11	3,760.57	11	3,397.30	11	3,034.04	11	2,670.77
1/4		1/4		1/4	5,179.90	1/4	4,837.29	1/4	4,479.52	1/4	4,116.26	1/4	3,753.00	1/4	3,389.73	1/4	3,026.47	1/4	2,663.20
1/2		1/2		1/2	5,172.94	1/2	4,830.01	1/2	4,471.95	1/2	4,108.69	1/2	3,745.43	1/2	3,382.16	1/2	3,018.90	1/2	2,655.63
3/4		3/4		3/4	5,165.97	3/4	4,822.72	3/4	4,464.39	3/4	4,101.13	3/4	3,737.86	3/4	3,374.59	3/4	3,011.33	3/4	2,648.06

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 GAUGING DEVICE
GAUGE POINT: (HERMETIC) LOCATED 11'-00" OFF CENTERLINE AND 48'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 31007"

2 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30014"

GAUGE HEIGHT 17'-03 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	2,640.50	0	2,277.24	0	1,913.97	0	1,550.71	0	1,187.97	0	825.19	0	461.93	0	98.66	0		0	
1/4	2,632.93	1/4	2,269.67	1/4	1,906.40	1/4	1,543.14	1/4	1,180.42	1/4	817.62	1/4	454.36	1/4	91.09	1/4		1/4	
1/2	2,625.36	1/2	2,262.10	1/2	1,898.83	1/2	1,535.57	1/2	1,172.87	1/2	810.05	1/2	446.79	1/2	83.90	1/2		1/2	
3/4	2,617.79	3/4	2,254.53	3/4	1,891.26	3/4	1,528.00	3/4	1,165.32	3/4	802.48	3/4	439.22	3/4	76.71	3/4		3/4	
1	2,610.23	1	2,246.97	1	1,883.70	1	1,520.44	1	1,157.78	1	794.92	1	431.65	1	69.52	1		1	
1/4	2,602.66	1/4	2,239.40	1/4	1,876.13	1/4	1,512.87	1/4	1,150.23	1/4	787.35	1/4	424.08	1/4	62.33	1/4		1/4	
1/2	2,595.09	1/2	2,231.83	1/2	1,868.56	1/2	1,505.30	1/2	1,142.68	1/2	779.78	1/2	416.51	1/2	56.28	1/2		1/2	
3/4	2,587.52	3/4	2,224.26	3/4	1,860.99	3/4	1,497.73	3/4	1,135.14	3/4	772.21	3/4	408.94	3/4	50.22	3/4		3/4	
2	2,579.96	2	2,216.69	2	1,853.43	2	1,490.17	2	1,127.59	2	764.65	2	401.38	2	44.17	2		2	
1/4	2,572.39	1/4	2,209.12	1/4	1,845.86	1/4	1,482.60	1/4	1,120.05	1/4	757.08	1/4	393.81	1/4	38.12	1/4		1/4	
1/2	2,564.82	1/2	2,201.55	1/2	1,838.29	1/2	1,475.03	1/2	1,112.50	1/2	749.51	1/2	386.24	1/2	33.58	1/2		1/2	
3/4	2,557.25	3/4	2,193.98	3/4	1,830.72	3/4	1,467.46	3/4	1,104.95	3/4	741.94	3/4	378.67	3/4	29.04	3/4		3/4	
3	2,549.69	3	2,186.42	3	1,823.16	3	1,459.89	3	1,097.41	3	734.37	3	371.11	3	24.50	3		3	
1/4	2,542.12	1/4	2,178.85	1/4	1,815.59	1/4	1,452.32	1/4	1,089.86	1/4	726.80	1/4	363.54	1/4	19.96	1/4		1/4	
1/2	2,534.55	1/2	2,171.28	1/2	1,808.02	1/2	1,444.75	1/2	1,082.31	1/2	719.23	1/2	355.97	1/4		1/2		1/2	
3/4	2,526.98	3/4	2,163.71	3/4	1,800.45	3/4	1,437.18	3/4	1,074.76	3/4	711.66	3/4	348.40	3/4		3/4		3/4	
4	2,519.41	4	2,156.15	4	1,792.89	4	1,429.62	4	1,067.22	4	704.10	4	340.84	4		4		4	
1/4	2,511.84	1/4	2,148.58	1/4	1,785.32	1/4	1,422.05	1/4	1,059.67	1/4	696.53	1/4	333.27	1/4		1/4		1/4	
1/2	2,504.27	1/2	2,141.01	1/2	1,777.75	1/2	1,414.48	1/2	1,052.12	1/2	688.96	1/2	325.70	1/2		1/2		1/2	
3/4	2,496.70	3/4	2,133.44	3/4	1,770.18	3/4	1,406.91	3/4	1,044.57	3/4	681.39	3/4	318.13	3/4		3/4		3/4	
5	2,489.14	5	2,125.88	5	1,762.61	5	1,399.35	5	1,037.03	5	673.83	5	310.57	5		5		5	
1/4	2,481.57	1/4	2,118.31	1/4	1,755.04	1/4	1,391.78	1/4	1,029.48	1/4	666.26	1/4	303.00	1/4		1/4		1/4	
1/2	2,474.00	1/2	2,110.74	1/2	1,747.47	1/2	1,384.22	1/2	1,021.92	1/2	658.69	1/2	295.43	1/2		1/2		1/2	
3/4	2,466.43	3/4	2,103.17	3/4	1,739.90	3/4	1,376.66	3/4	1,014.36	3/4	651.12	3/4	287.86	3/4		3/4		3/4	
6	2,458.87	6	2,095.61	6	1,732.34	6	1,369.11	6	1,006.81	6	643.56	6	280.29	6		6		6	
1/4	2,451.30	1/4	2,088.04	1/4	1,724.77	1/4	1,361.55	1/4	999.25	1/4	635.99	1/4	272.72	1/4		1/4		1/4	
1/2	2,443.73	1/2	2,080.47	1/2	1,717.20	1/2	1,354.00	1/2	991.68	1/2	628.42	1/2	265.15	1/2		1/2		1/2	
3/4	2,436.16	3/4	2,072.90	3/4	1,709.63	3/4	1,346.45	3/4	984.11	3/4	620.85	3/4	257.58	3/4		3/4		3/4	
7	2,428.60	7	2,065.33	7	1,702.07	7	1,338.91	7	976.55	7	613.29	7	250.02	7		7		7	
1/4	2,421.03	1/4	2,057.76	1/4	1,694.50	1/4	1,331.36	1/4	968.98	1/4	605.72	1/4	242.45	1/4		1/4		1/4	
1/2	2,413.46	1/2	2,050.19	1/2	1,686.93	1/2	1,323.81	1/2	961.41	1/2	598.15	1/2	234.88	1/2		1/2		1/2	
3/4	2,405.89	3/4	2,042.62	3/4	1,679.36	3/4	1,316.26	3/4	953.84	3/4	590.58	3/4	227.31	3/4		3/4		3/4	
8	2,398.33	8	2,035.06	8	1,671.80	8	1,308.72	8	946.28	8	583.01	8	219.75	8		8		8	
1/4	2,390.76	1/4	2,027.49	1/4	1,664.23	1/4	1,301.17	1/4	938.71	1/4	575.44	1/4	212.18	1/4		1/4		1/4	
1/2	2,383.19	1/2	2,019.92	1/2	1,656.66	1/2	1,293.62	1/2	931.14	1/2	567.87	1/2	204.61	1/2		1/2		1/2	
3/4	2,375.62	3/4	2,012.35	3/4	1,649.09	3/4	1,286.08	3/4	923.57	3/4	560.30	3/4	197.04	3/4		3/4		3/4	
9	2,368.05	9	2,004.79	9	1,641.53	9	1,278.53	9	916.01	9	552.74	9	189.48	9		9		9	
1/4	2,360.48	1/4	1,997.22	1/4	1,633.96	1/4	1,270.99	1/4	908.44	1/4	545.17	1/4	181.91	1/4		1/4		1/4	
1/2	2,352.91	1/2	1,989.65	1/2	1,626.39	1/2	1,263.44	1/2	900.87	1/2	537.60	1/2	174.34	1/2		1/2		1/2	
3/4	2,345.34	3/4	1,982.08	3/4	1,618.82	3/4	1,255.89	3/4	893.30	3/4	530.03	3/4	166.77	3/4		3/4		3/4	
10	2,337.78	10	1,974.52	10	1,611.25	10	1,248.35	10	885.73	10	522.47	10	159.21	10		10		10	
1/4	2,330.21	1/4	1,966.95	1/4	1,603.68	1/4	1,240.80	1/4	878.16	1/4	514.90	1/4	151.64	1/4		1/4		1/4	
1/2	2,322.64	1/2	1,959.38	1/2	1,596.11	1/2	1,233.25	1/2	870.59	1/2	507.33	1/2	144.07	1/2		1/2		1/2	
3/4	2,315.07	3/4	1,951.81	3/4	1,588.54	3/4	1,225.70	3/4	863.02	3/4	499.76	3/4	136.50	3/4		3/4		3/4	
11	2,307.51	11	1,944.25	11	1,580.98	11	1,218.16	11	855.46	11	492.20	11	128.93	11		11		11	
1/4	2,299.94	1/4	1,936.68	1/4	1,573.41	1/4	1,210.61	1/4	847.89	1/4	484.63	1/4	121.36	1/4		1/4		1/4	
1/2	2,292.37	1/2	1,929.11	1/2	1,565.84	1/2	1,203.06	1/2	840.32	1/2	477.06	1/2	113.79	1/2		1/2		1/2	
3/4	2,284.80	3/4	1,921.54	3/4	1,558.27	3/4	1,195.51	3/4	832.75	3/4	469.49	3/4	106.22	3/4		3/4		3/4	

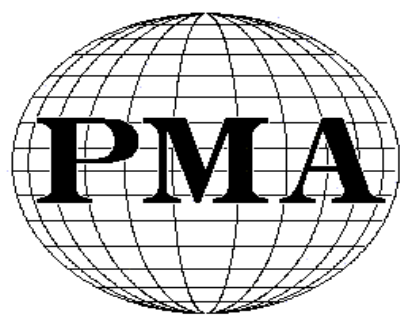
CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/14/2009 INSP
RECALCULATED: 02/19/2025 PMA
NAME CHANGE: 02/19/2025 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2025

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 31007"

2 STBD

ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30014"

GAUGE HEIGHT 17'-03 3/4"

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	5,172.94	0	4,830.01	0	4,471.95	0	4,108.69	0	3,745.43	0	3,382.16	0	3,018.90
1/4		1/4		1/4		1/4	5,165.97	1/4	4,822.72	1/4	4,464.39	1/4	4,101.13	1/4	3,737.86	1/4	3,374.59	1/4	3,011.33
1/2		1/2		1/2		1/2	5,159.01	1/2	4,815.44	1/2	4,456.82	1/2	4,093.56	1/2	3,730.29	1/2	3,367.03	1/2	3,003.77
3/4		3/4		3/4		3/4	5,152.04	3/4	4,808.15	3/4	4,449.25	3/4	4,085.99	3/4	3,722.72	3/4	3,359.46	3/4	2,996.20
1		1		1		1	5,145.00	1	4,800.78	1	4,441.68	1	4,078.42	1	3,715.15	1	3,351.89	1	2,988.63
1/4		1/4		1/4		1/4	5,137.96	1/4	4,793.42	1/4	4,434.12	1/4	4,070.86	1/4	3,707.59	1/4	3,344.32	1/4	2,981.06
1/2		1/2		1/2		1/2	5,130.91	1/2	4,786.05	1/2	4,426.55	1/2	4,063.29	1/2	3,700.02	1/2	3,336.76	1/2	2,973.49
3/4		3/4		3/4		3/4	5,123.87	3/4	4,778.68	3/4	4,418.98	3/4	4,055.72	3/4	3,692.45	3/4	3,329.19	3/4	2,965.92
2		2		2		2	5,116.83	2	4,771.32	2	4,411.41	2	4,048.15	2	3,684.88	2	3,321.62	2	2,958.35
1/4		1/4		1/4		1/4	5,109.78	1/4	4,763.95	1/4	4,403.85	1/4	4,040.58	1/4	3,677.32	1/4	3,314.05	1/4	2,950.78
1/2		1/2		1/2		1/2	5,102.74	1/2	4,756.59	1/2	4,396.28	1/2	4,033.01	1/2	3,669.75	1/2	3,306.49	1/2	2,943.22
3/4		3/4		3/4		3/4	5,095.69	3/4	4,749.22	3/4	4,388.71	3/4	4,025.44	3/4	3,662.18	3/4	3,298.92	3/4	2,935.65
3		3		3		3	5,088.65	3	4,741.86	3	4,381.14	3	4,017.87	3	3,654.61	3	3,291.35	3	2,928.08
1/4		1/4		1/4		1/4	5,081.61	1/4	4,734.49	1/4	4,373.58	1/4	4,010.31	1/4	3,647.04	1/4	3,283.78	1/4	2,920.51
1/2		1/2		1/2		1/2	5,074.56	1/2	4,727.13	1/2	4,366.01	1/2	4,002.74	1/2	3,639.48	1/2	3,276.21	1/2	2,912.95
3/4		3/4		3/4		3/4	5,326.41	3/4	5,067.52	3/4	4,719.76	3/4	4,358.44	3/4	3,995.17	3/4	3,631.91	3/4	3,268.64
4		4		4		4	5,325.78	4	5,060.40	4	4,712.31	4	4,350.87	4	3,987.60	4	3,624.34	4	3,261.07
1/4		1/4		1/4		1/4	5,325.15	1/4	5,053.27	1/4	4,704.87	1/4	4,343.30	1/4	3,980.04	1/4	3,616.77	1/4	3,253.50
1/2		1/2		1/2		1/2	5,324.52	1/2	5,046.15	1/2	4,697.42	1/2	4,335.73	1/2	3,972.47	1/2	3,609.21	1/2	3,245.94
3/4		3/4		3/4		3/4	5,323.89	3/4	5,039.02	3/4	4,689.97	3/4	4,328.16	3/4	3,964.90	3/4	3,601.64	3/4	3,238.37
5		5		5		5	5,322.00	5	5,031.90	5	4,682.52	5	4,320.59	5	3,957.33	5	3,594.07	5	3,230.80
1/4		1/4		1/4		1/4	5,320.11	1/4	5,024.77	1/4	4,675.08	1/4	4,313.03	1/4	3,949.77	1/4	3,586.50	1/4	3,223.23
1/2		1/2		1/2		1/2	5,318.21	1/2	5,017.65	1/2	4,667.63	1/2	4,305.46	1/2	3,942.20	1/2	3,578.93	1/2	3,215.67
3/4		3/4		3/4		3/4	5,316.32	3/4	5,010.52	3/4	4,660.18	3/4	4,297.89	3/4	3,934.63	3/4	3,571.36	3/4	3,208.10
6		6		6		6	5,313.17	6	5,003.40	6	4,652.73	6	4,290.32	6	3,927.06	6	3,563.79	6	3,200.53
1/4		1/4		1/4		1/4	5,310.02	1/4	4,996.28	1/4	4,645.29	1/4	4,282.76	1/4	3,919.50	1/4	3,556.22	1/4	3,192.96
1/2		1/2		1/2		1/2	5,306.86	1/2	4,989.15	1/2	4,637.84	1/2	4,275.19	1/2	3,911.93	1/2	3,548.66	1/2	3,185.40
3/4		3/4		3/4		3/4	5,303.71	3/4	4,982.03	3/4	4,630.39	3/4	4,267.62	3/4	3,904.36	3/4	3,541.09	3/4	3,177.83
7		7		7		7	5,299.30	7	4,974.83	7	4,622.86	7	4,260.05	7	3,896.79	7	3,533.52	7	3,170.26
1/4		1/4		1/4		1/4	5,294.88	1/4	4,967.62	1/4	4,615.34	1/4	4,252.49	1/4	3,889.22	1/4	3,525.95	1/4	3,162.69
1/2		1/2		1/2		1/2	5,290.47	1/2	4,960.42	1/2	4,607.81	1/2	4,244.92	1/2	3,881.65	1/2	3,518.39	1/2	3,155.13
3/4		3/4		3/4		3/4	5,286.05	3/4	4,953.21	3/4	4,600.28	3/4	4,237.35	3/4	3,874.08	3/4	3,510.82	3/4	3,147.56
8		8		8		8	5,280.38	8	4,946.01	8	4,592.76	8	4,229.78	8	3,866.51	8	3,503.25	8	3,139.99
1/4		1/4		1/4		1/4	5,274.70	1/4	4,938.80	1/4	4,585.23	1/4	4,222.22	1/4	3,858.95	1/4	3,495.68	1/4	3,132.42
1/2		1/2		1/2		1/2	5,269.03	1/2	4,931.60	1/2	4,577.71	1/2	4,214.65	1/2	3,851.38	1/2	3,488.12	1/2	3,124.85
3/4		3/4		3/4		3/4	5,263.35	3/4	4,924.39	3/4	4,570.18	3/4	4,207.08	3/4	3,843.81	3/4	3,480.55	3/4	3,117.28
9		9		9		9	5,256.41	9	4,917.19	9	4,562.65	9	4,199.51	9	3,836.24	9	3,472.98	9	3,109.71
1/4		1/4		1/4		1/4	5,249.48	1/4	4,909.98	1/4	4,555.13	1/4	4,191.94	1/4	3,828.68	1/4	3,465.41	1/4	3,102.14
1/2		1/2		1/2		1/2	5,242.54	1/2	4,902.78	1/2	4,547.60	1/2	4,184.37	1/2	3,821.11	1/2	3,457.85	1/2	3,094.58
3/4		3/4		3/4		3/4	5,235.60	3/4	4,895.57	3/4	4,540.07	3/4	4,176.80	3/4	3,813.54	3/4	3,450.28	3/4	3,087.01
10		10		10		10	5,228.64	10	4,888.29	10	4,532.50	10	4,169.23	10	3,805.97	10	3,442.71	10	3,079.44
1/4		1/4		1/4		1/4	5,221.68	1/4	4,881.00	1/4	4,524.94	1/4	4,161.67	1/4	3,798.41	1/4	3,435.14	1/4	3,071.87
1/2		1/2		1/2		1/2	5,214.71	1/2	4,873.72	1/2	4,517.37	1/2	4,154.10	1/2	3,790.84	1/2	3,427.57	1/2	3,064.31
3/4		3/4		3/4		3/4	5,207.75	3/4	4,866.43	3/4	4,509.80	3/4	4,146.53	3/4	3,783.27	3/4	3,420.00	3/4	3,056.74
11		11		11		11	5,200.79	11	4,859.15	11	4,502.23	11	4,138.96	11	3,775.70	11	3,412.43	11	3,049.17
1/4		1/4		1/4		1/4	5,193.83	1/4	4,851.86	1/4	4,494.66	1/4	4,131.40	1/4	3,768.14	1/4	3,404.86	1/4	3,041.60
1/2		1/2		1/2		1/2	5,186.86	1/2	4,844.58	1/2	4,487.09	1/2	4,123.83	1/2	3,760.57	1/2	3,397.30	1/2	3,034.04
3/4		3/4		3/4		3/4	5,179.90	3/4	4,837.29	3/4	4,479.52	3/4	4,116.26	3/4	3,753.00	3/4	3,389.73	3/4	3,026.47

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 GAUGING DEVICE
GAUGE POINT: (HERMETIC) LOCATED 11'-00" OFF CENTERLINE AND 48'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 31007"

2 STBD

ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30014"

GAUGE HEIGHT 17'-03 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,655.63	0	2,292.37	0	1,929.11	0	1,565.84	0	1,203.06	0	840.32	0	477.06	0	113.79	0		0	
1/4	2,648.06	1/4	2,284.80	1/4	1,921.54	1/4	1,558.27	1/4	1,195.51	1/4	832.75	1/4	469.49	1/4	106.22	1/4		1/4	
1/2	2,640.50	1/2	2,277.24	1/2	1,913.97	1/2	1,550.71	1/2	1,187.97	1/2	825.19	1/2	461.93	1/2	98.66	1/2		1/2	
3/4	2,632.93	3/4	2,269.67	3/4	1,906.40	3/4	1,543.14	3/4	1,180.42	3/4	817.62	3/4	454.36	3/4	91.09	3/4		3/4	
1	2,625.36	1	2,262.10	1	1,898.83	1	1,535.57	1	1,172.87	1	810.05	1	446.79	1	83.90	1		1	
1/4	2,617.79	1/4	2,254.53	1/4	1,891.26	1/4	1,528.00	1/4	1,165.32	1/4	802.48	1/4	439.22	1/4	76.71	1/4		1/4	
1/2	2,610.23	1/2	2,246.97	1/2	1,883.70	1/2	1,520.44	1/2	1,157.78	1/2	794.92	1/2	431.65	1/2	69.52	1/2		1/2	
3/4	2,602.66	3/4	2,239.40	3/4	1,876.13	3/4	1,512.87	3/4	1,150.23	3/4	787.35	3/4	424.08	3/4	62.33	3/4		3/4	
2	2,595.09	2	2,231.83	2	1,868.56	2	1,505.30	2	1,142.68	2	779.78	2	416.51	2	56.28	2		2	
1/4	2,587.52	1/4	2,224.26	1/4	1,860.99	1/4	1,497.73	1/4	1,135.14	1/4	772.21	1/4	408.94	1/4	50.22	1/4		1/4	
1/2	2,579.96	1/2	2,216.69	1/2	1,853.43	1/2	1,490.17	1/2	1,127.59	1/2	764.65	1/2	401.38	1/2	44.17	1/2		1/2	
3/4	2,572.39	3/4	2,209.12	3/4	1,845.86	3/4	1,482.60	3/4	1,120.05	3/4	757.08	3/4	393.81	3/4	38.12	3/4		3/4	
3	2,564.82	3	2,201.55	3	1,838.29	3	1,475.03	3	1,112.50	3	749.51	3	386.24	3	33.58	3		3	
1/4	2,557.25	1/4	2,193.98	1/4	1,830.72	1/4	1,467.46	1/4	1,104.95	1/4	741.94	1/4	378.67	1/4	29.04	1/4		1/4	
1/2	2,549.69	1/2	2,186.42	1/2	1,823.16	1/2	1,459.89	1/2	1,097.41	1/2	734.37	1/2	371.11	1/2	24.50	1/2		1/2	
3/4	2,542.12	3/4	2,178.85	3/4	1,815.59	3/4	1,452.32	3/4	1,089.86	3/4	726.80	3/4	363.54	3/4	19.96	3/4		3/4	
4	2,534.55	4	2,171.28	4	1,808.02	4	1,444.75	4	1,082.31	4	719.23	4	355.97	4		4		4	
1/4	2,526.98	1/4	2,163.71	1/4	1,800.45	1/4	1,437.18	1/4	1,074.76	1/4	711.66	1/4	348.40	1/4		1/4		1/4	
1/2	2,519.41	1/2	2,156.15	1/2	1,792.89	1/2	1,429.62	1/2	1,067.22	1/2	704.10	1/2	340.84	1/2		1/2		1/2	
3/4	2,511.84	3/4	2,148.58	3/4	1,785.32	3/4	1,422.05	3/4	1,059.67	3/4	696.53	3/4	333.27	3/4		3/4		3/4	
5	2,504.27	5	2,141.01	5	1,777.75	5	1,414.48	5	1,052.12	5	688.96	5	325.70	5		5		5	
1/4	2,496.70	1/4	2,133.44	1/4	1,770.18	1/4	1,406.91	1/4	1,044.57	1/4	681.39	1/4	318.13	1/4		1/4		1/4	
1/2	2,489.14	1/2	2,125.88	1/2	1,762.61	1/2	1,399.35	1/2	1,037.03	1/2	673.83	1/2	310.57	1/2		1/2		1/2	
3/4	2,481.57	3/4	2,118.31	3/4	1,755.04	3/4	1,391.78	3/4	1,029.48	3/4	666.26	3/4	303.00	3/4		3/4		3/4	
6	2,474.00	6	2,110.74	6	1,747.47	6	1,384.22	6	1,021.92	6	658.69	6	295.43	6		6		6	
1/4	2,466.43	1/4	2,103.17	1/4	1,739.90	1/4	1,376.66	1/4	1,014.36	1/4	651.12	1/4	287.86	1/4		1/4		1/4	
1/2	2,458.87	1/2	2,095.61	1/2	1,732.34	1/2	1,369.11	1/2	1,006.81	1/2	643.56	1/2	280.29	1/2		1/2		1/2	
3/4	2,451.30	3/4	2,088.04	3/4	1,724.77	3/4	1,361.55	3/4	999.25	3/4	635.99	3/4	272.72	3/4		3/4		3/4	
7	2,443.73	7	2,080.47	7	1,717.20	7	1,354.00	7	991.68	7	628.42	7	265.15	7		7		7	
1/4	2,436.16	1/4	2,072.90	1/4	1,709.63	1/4	1,346.45	1/4	984.11	1/4	620.85	1/4	257.58	1/4		1/4		1/4	
1/2	2,428.60	1/2	2,065.33	1/2	1,702.07	1/2	1,338.91	1/2	976.55	1/2	613.29	1/2	250.02	1/2		1/2		1/2	
3/4	2,421.03	3/4	2,057.76	3/4	1,694.50	3/4	1,331.36	3/4	968.98	3/4	605.72	3/4	242.45	3/4		3/4		3/4	
8	2,413.46	8	2,050.19	8	1,686.93	8	1,323.81	8	961.41	8	598.15	8	234.88	8		8		8	
1/4	2,405.89	1/4	2,042.62	1/4	1,679.36	1/4	1,316.26	1/4	953.84	1/4	590.58	1/4	227.31	1/4		1/4		1/4	
1/2	2,398.33	1/2	2,035.06	1/2	1,671.80	1/2	1,308.72	1/2	946.28	1/2	583.01	1/2	219.75	1/2		1/2		1/2	
3/4	2,390.76	3/4	2,027.49	3/4	1,664.23	3/4	1,301.17	3/4	938.71	3/4	575.44	3/4	212.18	3/4		3/4		3/4	
9	2,383.19	9	2,019.92	9	1,656.66	9	1,293.62	9	931.14	9	567.87	9	204.61	9		9		9	
1/4	2,375.62	1/4	2,012.35	1/4	1,649.09	1/4	1,286.08	1/4	923.57	1/4	560.30	1/4	197.04	1/4		1/4		1/4	
1/2	2,368.05	1/2	2,004.79	1/2	1,641.53	1/2	1,278.53	1/2	916.01	1/2	552.74	1/2	189.48	1/2		1/2		1/2	
3/4	2,360.48	3/4	1,997.22	3/4	1,633.96	3/4	1,270.99	3/4	908.44	3/4	545.17	3/4	181.91	3/4		3/4		3/4	
10	2,352.91	10	1,989.65	10	1,626.39	10	1,263.44	10	900.87	10	537.60	10	174.34	10		10		10	
1/4	2,345.34	1/4	1,982.08	1/4	1,618.82	1/4	1,255.89	1/4	893.30	1/4	530.03	1/4	166.77	1/4		1/4		1/4	
1/2	2,337.78	1/2	1,974.52	1/2	1,611.25	1/2	1,248.35	1/2	885.73	1/2	522.47	1/2	159.21	1/2		1/2		1/2	
3/4	2,330.21	3/4	1,966.95	3/4	1,603.68	3/4	1,240.80	3/4	878.16	3/4	514.90	3/4	151.64	3/4		3/4		3/4	
11	2,322.64	11	1,959.38	11	1,596.11	11	1,233.25	11	870.59	11	507.33	11	144.07	11		11		11	
1/4	2,315.07	1/4	1,951.81	1/4	1,588.54	1/4	1,225.70	1/4	863.02	1/4	499.76	1/4	136.50	1/4		1/4		1/4	
1/2	2,307.51	1/2	1,944.25	1/2	1,580.98	1/2	1,218.16	1/2	855.46	1/2	492.20	1/2	128.93	1/2		1/2		1/2	
3/4	2,299.94	3/4	1,936.68	3/4	1,573.41	3/4	1,210.61	3/4	847.89	3/4	484.63	3/4	121.36	3/4		3/4		3/4	

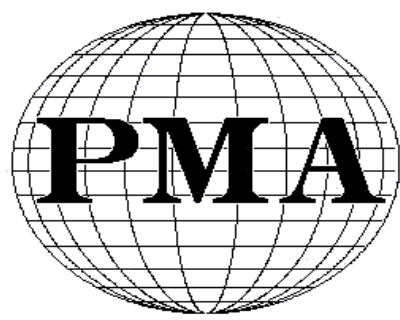
CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/14/2009 INSP
RECALCULATED: 02/19/2025 PMA
NAME CHANGE: 02/19/2025 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2025

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 31007"

3 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30014"

GAUGE HEIGHT 17'-03 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	4,268.19	0	4,085.45	0	3,894.73	0	3,701.53	0	3,508.33	0	3,312.81	0	2,979.20
1/4		1/4		1/4		1/4	4,264.49	1/4	4,081.58	1/4	3,890.71	1/4	3,697.51	1/4	3,504.31	1/4	3,308.21	1/4	2,971.70
1/2		1/2		1/2		1/2	4,260.74	1/2	4,077.66	1/2	3,886.68	1/2	3,693.48	1/2	3,500.28	1/2	3,303.02	1/2	2,964.19
3/4		3/4		3/4		3/4	4,257.00	3/4	4,073.74	3/4	3,882.66	3/4	3,689.46	3/4	3,496.26	3/4	3,297.84	3/4	2,956.69
1		1		1		1	4,253.25	1	4,069.83	1	3,878.63	1	3,685.43	1	3,492.23	1	3,292.65	1	2,949.18
1/4		1/4		1/4		1/4	4,249.50	1/4	4,065.91	1/4	3,874.61	1/4	3,681.41	1/4	3,488.21	1/4	3,287.47	1/4	2,941.68
1/2		1/2		1/2		1/2	4,245.76	1/2	4,061.99	1/2	3,870.58	1/2	3,677.38	1/2	3,484.18	1/2	3,281.70	1/2	2,934.17
3/4		3/4		3/4		3/4	4,242.01	3/4	4,058.07	3/4	3,866.56	3/4	3,673.36	3/4	3,480.16	3/4	3,275.93	3/4	2,926.66
2		2		2		2	4,238.27	2	4,054.16	2	3,862.53	2	3,669.33	2	3,476.13	2	3,270.17	2	2,919.16
1/4		1/4		1/4		1/4	4,234.52	1/4	4,050.24	1/4	3,858.51	1/4	3,665.31	1/4	3,472.11	1/4	3,264.40	1/4	2,911.65
1/2		1/2		1/2		1/2	4,230.77	1/2	4,046.32	1/2	3,854.48	1/2	3,661.28	1/2	3,468.08	1/2	3,258.05	1/2	2,904.14
3/4		3/4		3/4		3/4	4,227.03	3/4	4,042.40	3/4	3,850.46	3/4	3,657.26	3/4	3,464.06	3/4	3,251.71	3/4	2,896.64
3		3		3		3	4,223.28	3	4,038.49	3	3,846.43	3	3,653.23	3	3,460.03	3	3,245.36	3	2,889.13
1/4		1/4		1/4	4,357.22	1/4	4,219.53	1/4	4,034.57	1/4	3,842.41	1/4	3,649.21	1/4	3,456.01	1/4	3,239.02	1/4	2,881.63
1/2		1/2		1/2	4,356.89	1/2	4,215.74	1/2	4,030.61	1/2	3,838.38	1/2	3,645.18	1/2	3,451.98	1/2	3,232.09	1/2	2,874.12
3/4		3/4		3/4	4,356.55	3/4	4,211.95	3/4	4,026.65	3/4	3,834.36	3/4	3,641.16	3/4	3,447.96	3/4	3,225.16	3/4	2,866.61
4		4		4	4,356.22	4	4,208.17	4	4,022.69	4	3,830.33	4	3,637.13	4	3,443.93	4	3,218.24	4	2,859.11
1/4		1/4		1/4	4,355.88	1/4	4,204.38	1/4	4,018.73	1/4	3,826.31	1/4	3,633.11	1/4	3,439.91	1/4	3,211.31	1/4	2,851.60
1/2		1/2		1/2	4,354.87	1/2	4,200.59	1/2	4,014.77	1/2	3,822.28	1/2	3,629.08	1/2	3,435.88	1/2	3,203.95	1/2	2,844.09
3/4		3/4		3/4	4,353.87	3/4	4,196.80	3/4	4,010.81	3/4	3,818.26	3/4	3,625.06	3/4	3,431.86	3/4	3,196.59	3/4	2,836.59
5		5		5	4,352.86	5	4,193.01	5	4,006.85	5	3,814.23	5	3,621.03	5	3,427.83	5	3,189.23	5	2,829.08
1/4		1/4		1/4	4,351.85	1/4	4,189.22	1/4	4,002.89	1/4	3,810.21	1/4	3,617.01	1/4	3,423.81	1/4	3,181.87	1/4	2,821.58
1/2		1/2		1/2	4,350.18	1/2	4,185.43	1/2	3,998.93	1/2	3,806.18	1/2	3,612.98	1/2	3,419.78	1/2	3,174.36	1/2	2,814.07
3/4		3/4		3/4	4,348.50	3/4	4,181.64	3/4	3,994.97	3/4	3,802.16	3/4	3,608.96	3/4	3,415.76	3/4	3,166.85	3/4	2,806.57
6		6		6	4,346.83	6	4,177.86	6	3,991.01	6	3,798.13	6	3,604.93	6	3,411.73	6	3,159.35	6	2,799.06
1/4		1/4		1/4	4,345.15	1/4	4,174.07	1/4	3,987.05	1/4	3,794.11	1/4	3,600.91	1/4	3,407.71	1/4	3,151.84	1/4	2,791.56
1/2		1/2		1/2	4,342.80	1/2	4,170.24	1/2	3,983.04	1/2	3,790.08	1/2	3,596.88	1/2	3,403.68	1/2	3,144.33	1/2	2,784.05
3/4		3/4		3/4	4,340.45	3/4	4,166.40	3/4	3,979.04	3/4	3,786.06	3/4	3,592.86	3/4	3,399.66	3/4	3,136.83	3/4	2,776.54
7		7		7	4,338.10	7	4,162.57	7	3,975.03	7	3,782.03	7	3,588.83	7	3,395.63	7	3,129.32	7	2,769.04
1/4		1/4		1/4	4,335.75	1/4	4,158.74	1/4	3,971.03	1/4	3,778.01	1/4	3,584.81	1/4	3,391.61	1/4	3,121.82	1/4	2,761.53
1/2		1/2		1/2	4,332.73	1/2	4,154.91	1/2	3,967.03	1/2	3,773.98	1/2	3,580.78	1/2	3,387.58	1/2	3,114.31	1/2	2,754.02
3/4		3/4		3/4	4,329.72	3/4	4,151.07	3/4	3,963.02	3/4	3,769.96	3/4	3,576.76	3/4	3,383.56	3/4	3,106.81	3/4	2,746.52
8		8		8	4,326.70	8	4,147.24	8	3,959.02	8	3,765.93	8	3,572.73	8	3,379.53	8	3,099.30	8	2,739.01
1/4		1/4		1/4	4,323.68	1/4	4,143.41	1/4	3,955.02	1/4	3,761.91	1/4	3,568.71	1/4	3,375.51	1/4	3,091.80	1/4	2,731.51
1/2		1/2		1/2	4,319.99	1/2	4,139.58	1/2	3,951.02	1/2	3,757.88	1/2	3,564.68	1/2	3,371.48	1/2	3,084.29	1/2	2,724.00
3/4		3/4		3/4	4,316.30	3/4	4,135.74	3/4	3,947.01	3/4	3,753.86	3/4	3,560.66	3/4	3,367.46	3/4	3,076.78	3/4	2,716.49
9		9		9	4,312.61	9	4,131.91	9	3,943.01	9	3,749.83	9	3,556.63	9	3,363.43	9	3,069.28	9	2,708.99
1/4		1/4		1/4	4,308.92	1/4	4,128.08	1/4	3,939.01	1/4	3,745.81	1/4	3,552.61	1/4	3,359.41	1/4	3,061.77	1/4	2,701.48
1/2		1/2		1/2	4,305.22	1/2	4,124.20	1/2	3,934.98	1/2	3,741.78	1/2	3,548.58	1/2	3,355.38	1/2	3,054.26	1/2	2,693.97
3/4		3/4		3/4	4,301.52	3/4	4,120.33	3/4	3,930.96	3/4	3,737.76	3/4	3,544.56	3/4	3,351.36	3/4	3,046.76	3/4	2,686.47
10		10		10	4,297.81	10	4,116.45	10	3,926.93	10	3,733.73	10	3,540.53	10	3,347.33	10	3,039.25	10	2,678.96
1/4		1/4		1/4	4,294.11	1/4	4,112.58	1/4	3,922.91	1/4	3,729.71	1/4	3,536.51	1/4	3,343.31	1/4	3,031.75	1/4	2,671.46
1/2		1/2		1/2	4,290.41	1/2	4,108.70	1/2	3,918.88	1/2	3,725.68	1/2	3,532.48	1/2	3,339.14	1/2	3,024.24	1/2	2,663.95
3/4		3/4		3/4	4,286.71	3/4	4,104.83	3/4	3,914.86	3/4	3,721.66	3/4	3,528.46	3/4	3,334.97	3/4	3,016.73	3/4	2,656.45
11		11		11	4,283.00	11	4,100.95	11	3,910.83	11	3,717.63	11	3,524.43	11	3,330.80	11	3,009.23	11	2,648.94
1/4		1/4		1/4	4,279.30	1/4	4,097.08	1/4	3,906.81	1/4	3,713.61	1/4	3,520.41	1/4	3,326.63	1/4	3,001.72	1/4	2,641.44
1/2		1/2		1/2	4,275.60	1/2	4,093.20	1/2	3,902.78	1/2	3,709.58	1/2	3,516.38	1/2	3,322.02	1/2	2,994.21	1/2	2,633.93
3/4		3/4		3/4	4,271.90	3/4	4,089.33	3/4	3,898.76	3/4	3,705.56	3/4	3,512.36	3/4	3,317.42	3/4	2,986.71	3/4	2,626.42

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 GAUGING DEVICE
GAUGE POINT: (HERMETIC) LOCATED 11'-00" OFF CENTERLINE AND 55'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 31007"

3 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30014"

GAUGE HEIGHT 17'-03 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	2,618.92	0	2,258.63	0	1,898.34	0	1,538.05	0	1,178.26	0	818.44	0	458.15	0	97.86	0		0	
1/4	2,611.41	1/4	2,251.12	1/4	1,890.84	1/4	1,530.55	1/4	1,170.78	1/4	810.93	1/4	450.64	1/4	90.36	1/4		1/4	
1/2	2,603.90	1/2	2,243.61	1/2	1,883.33	1/2	1,523.04	1/2	1,163.29	1/2	803.42	1/2	443.13	1/2	83.23	1/2		1/2	
3/4	2,596.40	3/4	2,236.11	3/4	1,875.82	3/4	1,515.53	3/4	1,155.81	3/4	795.92	3/4	435.63	3/4	76.09	3/4		3/4	
1	2,588.89	1	2,228.60	1	1,868.32	1	1,508.03	1	1,148.32	1	788.41	1	428.12	1	68.96	1		1	
1/4	2,581.39	1/4	2,221.10	1/4	1,860.81	1/4	1,500.52	1/4	1,140.84	1/4	780.91	1/4	420.62	1/4	61.83	1/4		1/4	
1/2	2,573.88	1/2	2,213.59	1/2	1,853.30	1/2	1,493.01	1/2	1,133.35	1/2	773.40	1/2	413.11	1/2	55.82	1/2		1/2	
3/4	2,566.37	3/4	2,206.09	3/4	1,845.80	3/4	1,485.51	3/4	1,125.86	3/4	765.89	3/4	405.61	3/4	49.82	3/4		3/4	
2	2,558.87	2	2,198.58	2	1,838.29	2	1,478.00	2	1,118.38	2	758.39	2	398.10	2	43.81	2		2	
1/4	2,551.36	1/4	2,191.08	1/4	1,830.79	1/4	1,470.50	1/4	1,110.89	1/4	750.88	1/4	390.60	1/4	37.81	1/4		1/4	
1/2	2,543.85	1/2	2,183.57	1/2	1,823.28	1/2	1,462.99	1/2	1,103.40	1/2	743.37	1/2	383.09	1/2	33.31	1/2		1/2	
3/4	2,536.35	3/4	2,176.06	3/4	1,815.77	3/4	1,455.49	3/4	1,095.92	3/4	735.87	3/4	375.58	3/4	28.80	3/4		3/4	
3	2,528.84	3	2,168.56	3	1,808.27	3	1,447.98	3	1,088.43	3	728.36	3	368.08	3	24.30	3		3	
1/4	2,521.34	1/4	2,161.05	1/4	1,800.76	1/4	1,440.48	1/4	1,080.95	1/4	720.86	1/4	360.57	1/4	19.80	1/4		1/4	
1/2	2,513.83	1/2	2,153.54	1/2	1,793.25	1/2	1,432.97	1/2	1,073.46	1/2	713.35	1/2	353.06	1/2		1/2		1/2	
3/4	2,506.33	3/4	2,146.04	3/4	1,785.75	3/4	1,425.46	3/4	1,065.97	3/4	705.85	3/4	345.56	3/4		3/4		3/4	
4	2,498.82	4	2,138.53	4	1,778.24	4	1,417.96	4	1,058.49	4	698.34	4	338.05	4		4		4	
1/4	2,491.32	1/4	2,131.03	1/4	1,770.74	1/4	1,410.45	1/4	1,051.00	1/4	690.84	1/4	330.55	1/4		1/4		1/4	
1/2	2,483.81	1/2	2,123.52	1/2	1,763.23	1/2	1,402.94	1/2	1,043.51	1/2	683.33	1/2	323.04	1/2		1/2		1/2	
3/4	2,476.30	3/4	2,116.01	3/4	1,755.73	3/4	1,395.44	3/4	1,036.03	3/4	675.82	3/4	315.53	3/4		3/4		3/4	
5	2,468.80	5	2,108.51	5	1,748.22	5	1,387.93	5	1,028.54	5	668.32	5	308.03	5		5		5	
1/4	2,461.29	1/4	2,101.00	1/4	1,740.72	1/4	1,380.43	1/4	1,021.06	1/4	660.81	1/4	300.52	1/4		1/4		1/4	
1/2	2,453.78	1/2	2,093.49	1/2	1,733.21	1/2	1,372.93	1/2	1,013.56	1/2	653.30	1/2	293.01	1/2		1/2		1/2	
3/4	2,446.28	3/4	2,085.99	3/4	1,725.70	3/4	1,365.43	3/4	1,006.07	3/4	645.80	3/4	285.51	3/4		3/4		3/4	
6	2,438.77	6	2,078.48	6	1,718.20	6	1,357.94	6	998.57	6	638.29	6	278.00	6		6		6	
1/4	2,431.27	1/4	2,070.98	1/4	1,710.69	1/4	1,350.44	1/4	991.08	1/4	630.79	1/4	270.50	1/4		1/4		1/4	
1/2	2,423.76	1/2	2,063.47	1/2	1,703.18	1/2	1,342.95	1/2	983.57	1/2	623.28	1/2	262.99	1/2		1/2		1/2	
3/4	2,416.25	3/4	2,055.97	3/4	1,695.68	3/4	1,335.47	3/4	976.06	3/4	615.77	3/4	255.49	3/4		3/4		3/4	
7	2,408.75	7	2,048.46	7	1,688.17	7	1,327.98	7	968.56	7	608.27	7	247.98	7		7		7	
1/4	2,401.24	1/4	2,040.96	1/4	1,680.67	1/4	1,320.50	1/4	961.05	1/4	600.76	1/4	240.48	1/4		1/4		1/4	
1/2	2,393.73	1/2	2,033.45	1/2	1,673.16	1/2	1,313.01	1/2	953.54	1/2	593.25	1/2	232.97	1/2		1/2		1/2	
3/4	2,386.23	3/4	2,025.94	3/4	1,665.65	3/4	1,305.53	3/4	946.04	3/4	585.75	3/4	225.46	3/4		3/4		3/4	
8	2,378.72	8	2,018.44	8	1,658.15	8	1,298.04	8	938.53	8	578.24	8	217.96	8		8		8	
1/4	2,371.22	1/4	2,010.93	1/4	1,650.64	1/4	1,290.56	1/4	931.03	1/4	570.74	1/4	210.45	1/4		1/4		1/4	
1/2	2,363.71	1/2	2,003.42	1/2	1,643.13	1/2	1,283.07	1/2	923.52	1/2	563.23	1/2	202.94	1/2		1/2		1/2	
3/4	2,356.21	3/4	1,995.92	3/4	1,635.63	3/4	1,275.58	3/4	916.01	3/4	555.73	3/4	195.44	3/4		3/4		3/4	
9	2,348.70	9	1,988.41	9	1,628.12	9	1,268.10	9	908.51	9	548.22	9	187.93	9		9		9	
1/4	2,341.20	1/4	1,980.91	1/4	1,620.62	1/4	1,260.61	1/4	901.00	1/4	540.72	1/4	180.43	1/4		1/4		1/4	
1/2	2,333.69	1/2	1,973.40	1/2	1,613.11	1/2	1,253.12	1/2	893.49	1/2	533.21	1/2	172.92	1/2		1/2		1/2	
3/4	2,326.18	3/4	1,965.89	3/4	1,605.61	3/4	1,245.64	3/4	885.99	3/4	525.70	3/4	165.41	3/4		3/4		3/4	
10	2,318.68	10	1,958.39	10	1,598.10	10	1,238.15	10	878.48	10	518.20	10	157.91	10		10		10	
1/4	2,311.17	1/4	1,950.88	1/4	1,590.60	1/4	1,230.67	1/4	870.98	1/4	510.69	1/4	150.40	1/4		1/4		1/4	
1/2	2,303.66	1/2	1,943.37	1/2	1,583.09	1/2	1,223.18	1/2	863.47	1/2	503.18	1/2	142.89	1/2		1/2		1/2	
3/4	2,296.16	3/4	1,935.87	3/4	1,575.58	3/4	1,215.69	3/4	855.97	3/4	495.68	3/4	135.39	3/4		3/4		3/4	
11	2,288.65	11	1,928.36	11	1,568.08	11	1,208.21	11	848.46	11	488.17	11	127.88	11		11		11	
1/4	2,281.15	1/4	1,920.86	1/4	1,560.57	1/4	1,200.72	1/4	840.96	1/4	480.67	1/4	120.38	1/4		1/4		1/4	
1/2	2,273.64	1/2	1,913.35	1/2	1,553.06	1/2	1,193.23	1/2	833.45	1/2	473.16	1/2	112.87	1/2		1/2		1/2	
3/4	2,266.13	3/4	1,905.85	3/4	1,545.56	3/4	1,185.75	3/4	825.94	3/4	465.65	3/4	105.37	3/4		3/4		3/4	

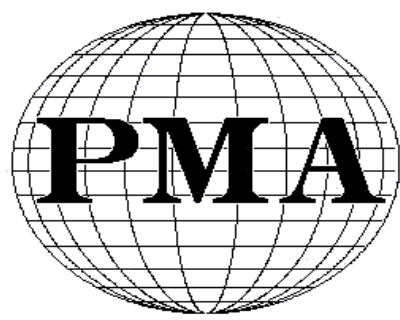
CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/14/2009 INSP
RECALCULATED: 02/19/2025 PMA
NAME CHANGE: 02/19/2025 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2025

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 31007"

3 STBD

ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30014"

GAUGE HEIGHT 17'-03 1/2"

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	4,271.90	0	4,089.33	0	3,898.76	0	3,705.56	0	3,512.36	0	3,317.42	0	2,986.71
1/4		1/4		1/4		1/4	4,268.19	1/4	4,085.45	1/4	3,894.73	1/4	3,701.53	1/4	3,508.33	1/4	3,312.81	1/4	2,979.20
1/2		1/2		1/2		1/2	4,264.49	1/2	4,081.58	1/2	3,890.71	1/2	3,697.51	1/2	3,504.31	1/2	3,308.21	1/2	2,971.70
3/4		3/4		3/4		3/4	4,260.74	3/4	4,077.66	3/4	3,886.68	3/4	3,693.48	3/4	3,500.28	3/4	3,303.02	3/4	2,964.19
1		1		1		1	4,257.00	1	4,073.74	1	3,882.66	1	3,689.46	1	3,496.26	1	3,297.84	1	2,956.69
1/4		1/4		1/4		1/4	4,253.25	1/4	4,069.83	1/4	3,878.63	1/4	3,685.43	1/4	3,492.23	1/4	3,292.65	1/4	2,949.18
1/2		1/2		1/2		1/2	4,249.50	1/2	4,065.91	1/2	3,874.61	1/2	3,681.41	1/2	3,488.21	1/2	3,287.47	1/2	2,941.68
3/4		3/4		3/4		3/4	4,245.76	3/4	4,061.99	3/4	3,870.58	3/4	3,677.38	3/4	3,484.18	3/4	3,281.70	3/4	2,934.17
2		2		2		2	4,242.01	2	4,058.07	2	3,866.56	2	3,673.36	2	3,480.16	2	3,275.93	2	2,926.66
1/4		1/4		1/4		1/4	4,238.27	1/4	4,054.16	1/4	3,862.53	1/4	3,669.33	1/4	3,476.13	1/4	3,270.17	1/4	2,919.16
1/2		1/2		1/2		1/2	4,234.52	1/2	4,050.24	1/2	3,858.51	1/2	3,665.31	1/2	3,472.11	1/2	3,264.40	1/2	2,911.65
3/4		3/4		3/4		3/4	4,230.77	3/4	4,046.32	3/4	3,854.48	3/4	3,661.28	3/4	3,468.08	3/4	3,258.05	3/4	2,904.14
3		3		3		3	4,227.03	3	4,042.40	3	3,850.46	3	3,657.26	3	3,464.06	3	3,251.71	3	2,896.64
1/4		1/4		1/4		1/4	4,223.28	1/4	4,038.49	1/4	3,846.43	1/4	3,653.23	1/4	3,460.03	1/4	3,245.36	1/4	2,889.13
1/2		1/2		1/2	4,357.22	1/2	4,219.53	1/2	4,034.57	1/2	3,842.41	1/2	3,649.21	1/2	3,456.01	1/2	3,239.02	1/2	2,881.63
3/4		3/4		3/4	4,356.89	3/4	4,215.74	3/4	4,030.61	3/4	3,838.38	3/4	3,645.18	3/4	3,451.98	3/4	3,232.09	3/4	2,874.12
4		4		4	4,356.55	4	4,211.95	4	4,026.65	4	3,834.36	4	3,641.16	4	3,447.96	4	3,225.16	4	2,866.61
1/4		1/4		1/4	4,356.22	1/4	4,208.17	1/4	4,022.69	1/4	3,830.33	1/4	3,637.13	1/4	3,443.93	1/4	3,218.24	1/4	2,859.11
1/2		1/2		1/2	4,355.88	1/2	4,204.38	1/2	4,018.73	1/2	3,826.31	1/2	3,633.11	1/2	3,439.91	1/2	3,211.31	1/2	2,851.60
3/4		3/4		3/4	4,354.87	3/4	4,200.59	3/4	4,014.77	3/4	3,822.28	3/4	3,629.08	3/4	3,435.88	3/4	3,203.95	3/4	2,844.09
5		5		5	4,353.87	5	4,196.80	5	4,010.81	5	3,818.26	5	3,625.06	5	3,431.86	5	3,196.59	5	2,836.59
1/4		1/4		1/4	4,352.86	1/4	4,193.01	1/4	4,006.85	1/4	3,814.23	1/4	3,621.03	1/4	3,427.83	1/4	3,189.23	1/4	2,829.08
1/2		1/2		1/2	4,351.85	1/2	4,189.22	1/2	4,002.89	1/2	3,810.21	1/2	3,617.01	1/2	3,423.81	1/2	3,181.87	1/2	2,821.58
3/4		3/4		3/4	4,350.18	3/4	4,185.43	3/4	3,998.93	3/4	3,806.18	3/4	3,612.98	3/4	3,419.78	3/4	3,174.36	3/4	2,814.07
6		6		6	4,348.50	6	4,181.64	6	3,994.97	6	3,802.16	6	3,608.96	6	3,415.76	6	3,166.85	6	2,806.57
1/4		1/4		1/4	4,346.83	1/4	4,177.86	1/4	3,991.01	1/4	3,798.13	1/4	3,604.93	1/4	3,411.73	1/4	3,159.35	1/4	2,799.06
1/2		1/2		1/2	4,345.15	1/2	4,174.07	1/2	3,987.05	1/2	3,794.11	1/2	3,600.91	1/2	3,407.71	1/2	3,151.84	1/2	2,791.56
3/4		3/4		3/4	4,342.80	3/4	4,170.24	3/4	3,983.04	3/4	3,790.08	3/4	3,596.88	3/4	3,403.68	3/4	3,144.33	3/4	2,784.05
7		7		7	4,340.45	7	4,166.40	7	3,979.04	7	3,786.06	7	3,592.86	7	3,399.66	7	3,136.83	7	2,776.54
1/4		1/4		1/4	4,338.10	1/4	4,162.57	1/4	3,975.03	1/4	3,782.03	1/4	3,588.83	1/4	3,395.63	1/4	3,129.32	1/4	2,769.04
1/2		1/2		1/2	4,335.75	1/2	4,158.74	1/2	3,971.03	1/2	3,778.01	1/2	3,584.81	1/2	3,391.61	1/2	3,121.82	1/2	2,761.53
3/4		3/4		3/4	4,332.73	3/4	4,154.91	3/4	3,967.03	3/4	3,773.98	3/4	3,580.78	3/4	3,387.58	3/4	3,114.31	3/4	2,754.02
8		8		8	4,329.72	8	4,151.07	8	3,963.02	8	3,769.96	8	3,576.76	8	3,383.56	8	3,106.81	8	2,746.52
1/4		1/4		1/4	4,326.70	1/4	4,147.24	1/4	3,959.02	1/4	3,765.93	1/4	3,572.73	1/4	3,379.53	1/4	3,099.30	1/4	2,739.01
1/2		1/2		1/2	4,323.68	1/2	4,143.41	1/2	3,955.02	1/2	3,761.91	1/2	3,568.71	1/2	3,375.51	1/2	3,091.80	1/2	2,731.51
3/4		3/4		3/4	4,319.99	3/4	4,139.58	3/4	3,951.02	3/4	3,757.88	3/4	3,564.68	3/4	3,371.48	3/4	3,084.29	3/4	2,724.00
9		9		9	4,316.30	9	4,135.74	9	3,947.01	9	3,753.86	9	3,560.66	9	3,367.46	9	3,076.78	9	2,716.49
1/4		1/4		1/4	4,312.61	1/4	4,131.91	1/4	3,943.01	1/4	3,749.83	1/4	3,556.63	1/4	3,363.43	1/4	3,069.28	1/4	2,708.99
1/2		1/2		1/2	4,308.92	1/2	4,128.08	1/2	3,939.01	1/2	3,745.81	1/2	3,552.61	1/2	3,359.41	1/2	3,061.77	1/2	2,701.48
3/4		3/4		3/4	4,305.22	3/4	4,124.20	3/4	3,934.98	3/4	3,741.78	3/4	3,548.58	3/4	3,355.38	3/4	3,054.26	3/4	2,693.97
10		10		10	4,301.52	10	4,120.33	10	3,930.96	10	3,737.76	10	3,544.56	10	3,351.36	10	3,046.76	10	2,686.47
1/4		1/4		1/4	4,297.81	1/4	4,116.45	1/4	3,926.93	1/4	3,733.73	1/4	3,540.53	1/4	3,347.33	1/4	3,039.25	1/4	2,678.96
1/2		1/2		1/2	4,294.11	1/2	4,112.58	1/2	3,922.91	1/2	3,729.71	1/2	3,536.51	1/2	3,343.31	1/2	3,031.75	1/2	2,671.46
3/4		3/4		3/4	4,290.41	3/4	4,108.70	3/4	3,918.88	3/4	3,725.68	3/4	3,532.48	3/4	3,339.14	3/4	3,024.24	3/4	2,663.95
11		11		11	4,286.71	11	4,104.83	11	3,914.86	11	3,721.66	11	3,528.46	11	3,334.97	11	3,016.73	11	2,656.45
1/4		1/4		1/4	4,283.00	1/4	4,100.95	1/4	3,910.83	1/4	3,717.63	1/4	3,524.43	1/4	3,330.80	1/4	3,009.23	1/4	2,648.94
1/2		1/2		1/2	4,279.30	1/2	4,097.08	1/2	3,906.81	1/2	3,713.61	1/2	3,520.41	1/2	3,326.63	1/2	3,001.72	1/2	2,641.44
3/4		3/4		3/4	4,275.60	3/4	4,093.20	3/4	3,902.78	3/4	3,709.58	3/4	3,516.38	3/4	3,322.02	3/4	2,994.21	3/4	2,633.93

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 GAUGING DEVICE
GAUGE POINT: (HERMETIC) LOCATED 11'-00" OFF CENTERLINE AND 55'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 31007"

3 STBD

ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30014"

GAUGE HEIGHT 17'-03 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	2,626.42	0	2,266.13	0	1,905.85	0	1,545.56	0	1,185.75	0	825.94	0	465.65	0	105.37	0		0	
1/4	2,618.92	1/4	2,258.63	1/4	1,898.34	1/4	1,538.05	1/4	1,178.26	1/4	818.44	1/4	458.15	1/4	97.86	1/4		1/4	
1/2	2,611.41	1/2	2,251.12	1/2	1,890.84	1/2	1,530.55	1/2	1,170.78	1/2	810.93	1/2	450.64	1/2	90.36	1/2		1/2	
3/4	2,603.90	3/4	2,243.61	3/4	1,883.33	3/4	1,523.04	3/4	1,163.29	3/4	803.42	3/4	443.13	3/4	83.23	3/4		3/4	
1	2,596.40	1	2,236.11	1	1,875.82	1	1,515.53	1	1,155.81	1	795.92	1	435.63	1	76.09	1		1	
1/4	2,588.89	1/4	2,228.60	1/4	1,868.32	1/4	1,508.03	1/4	1,148.32	1/4	788.41	1/4	428.12	1/4	68.96	1/4		1/4	
1/2	2,581.39	1/2	2,221.10	1/2	1,860.81	1/2	1,500.52	1/2	1,140.84	1/2	780.91	1/2	420.62	1/2	61.83	1/2		1/2	
3/4	2,573.88	3/4	2,213.59	3/4	1,853.30	3/4	1,493.01	3/4	1,133.35	3/4	773.40	3/4	413.11	3/4	55.82	3/4		3/4	
2	2,566.37	2	2,206.09	2	1,845.80	2	1,485.51	2	1,125.86	2	765.89	2	405.61	2	49.82	2		2	
1/4	2,558.87	1/4	2,198.58	1/4	1,838.29	1/4	1,478.00	1/4	1,118.38	1/4	758.39	1/4	398.10	1/4	43.81	1/4		1/4	
1/2	2,551.36	1/2	2,191.08	1/2	1,830.79	1/2	1,470.50	1/2	1,110.89	1/2	750.88	1/2	390.60	1/2	37.81	1/2		1/2	
3/4	2,543.85	3/4	2,183.57	3/4	1,823.28	3/4	1,462.99	3/4	1,103.40	3/4	743.37	3/4	383.09	3/4	33.31	3/4		3/4	
3	2,536.35	3	2,176.06	3	1,815.77	3	1,455.49	3	1,095.92	3	735.87	3	375.58	3	28.80	3		3	
1/4	2,528.84	1/4	2,168.56	1/4	1,808.27	1/4	1,447.98	1/4	1,088.43	1/4	728.36	1/4	368.08	1/4	24.30	1/4		1/4	
1/2	2,521.34	1/2	2,161.05	1/2	1,800.76	1/2	1,440.48	1/2	1,080.95	1/2	720.86	1/2	360.57	1/2	19.80	1/2		1/2	
3/4	2,513.83	3/4	2,153.54	3/4	1,793.25	3/4	1,432.97	3/4	1,073.46	3/4	713.35	3/4	353.06	3/4		3/4		3/4	
4	2,506.33	4	2,146.04	4	1,785.75	4	1,425.46	4	1,065.97	4	705.85	4	345.56	4		4		4	
1/4	2,498.82	1/4	2,138.53	1/4	1,778.24	1/4	1,417.96	1/4	1,058.49	1/4	698.34	1/4	338.05	1/4		1/4		1/4	
1/2	2,491.32	1/2	2,131.03	1/2	1,770.74	1/2	1,410.45	1/2	1,051.00	1/2	690.84	1/2	330.55	1/2		1/2		1/2	
3/4	2,483.81	3/4	2,123.52	3/4	1,763.23	3/4	1,402.94	3/4	1,043.51	3/4	683.33	3/4	323.04	3/4		3/4		3/4	
5	2,476.30	5	2,116.01	5	1,755.73	5	1,395.44	5	1,036.03	5	675.82	5	315.53	5		5		5	
1/4	2,468.80	1/4	2,108.51	1/4	1,748.22	1/4	1,387.93	1/4	1,028.54	1/4	668.32	1/4	308.03	1/4		1/4		1/4	
1/2	2,461.29	1/2	2,101.00	1/2	1,740.72	1/2	1,380.43	1/2	1,021.06	1/2	660.81	1/2	300.52	1/2		1/2		1/2	
3/4	2,453.78	3/4	2,093.49	3/4	1,733.21	3/4	1,372.93	3/4	1,013.56	3/4	653.30	3/4	293.01	3/4		3/4		3/4	
6	2,446.28	6	2,085.99	6	1,725.70	6	1,365.43	6	1,006.07	6	645.80	6	285.51	6		6		6	
1/4	2,438.77	1/4	2,078.48	1/4	1,718.20	1/4	1,357.94	1/4	998.57	1/4	638.29	1/4	278.00	1/4		1/4		1/4	
1/2	2,431.27	1/2	2,070.98	1/2	1,710.69	1/2	1,350.44	1/2	991.08	1/2	630.79	1/2	270.50	1/2		1/2		1/2	
3/4	2,423.76	3/4	2,063.47	3/4	1,703.18	3/4	1,342.95	3/4	983.57	3/4	623.28	3/4	262.99	3/4		3/4		3/4	
7	2,416.25	7	2,055.97	7	1,695.68	7	1,335.47	7	976.06	7	615.77	7	255.49	7		7		7	
1/4	2,408.75	1/4	2,048.46	1/4	1,688.17	1/4	1,327.98	1/4	968.56	1/4	608.27	1/4	247.98	1/4		1/4		1/4	
1/2	2,401.24	1/2	2,040.96	1/2	1,680.67	1/2	1,320.50	1/2	961.05	1/2	600.76	1/2	240.48	1/2		1/2		1/2	
3/4	2,393.73	3/4	2,033.45	3/4	1,673.16	3/4	1,313.01	3/4	953.54	3/4	593.25	3/4	232.97	3/4		3/4		3/4	
8	2,386.23	8	2,025.94	8	1,665.65	8	1,305.53	8	946.04	8	585.75	8	225.46	8		8		8	
1/4	2,378.72	1/4	2,018.44	1/4	1,658.15	1/4	1,298.04	1/4	938.53	1/4	578.24	1/4	217.96	1/4		1/4		1/4	
1/2	2,371.22	1/2	2,010.93	1/2	1,650.64	1/2	1,290.56	1/2	931.03	1/2	570.74	1/2	210.45	1/2		1/2		1/2	
3/4	2,363.71	3/4	2,003.42	3/4	1,643.13	3/4	1,283.07	3/4	923.52	3/4	563.23	3/4	202.94	3/4		3/4		3/4	
9	2,356.21	9	1,995.92	9	1,635.63	9	1,275.58	9	916.01	9	555.73	9	195.44	9		9		9	
1/4	2,348.70	1/4	1,988.41	1/4	1,628.12	1/4	1,268.10	1/4	908.51	1/4	548.22	1/4	187.93	1/4		1/4		1/4	
1/2	2,341.20	1/2	1,980.91	1/2	1,620.62	1/2	1,260.61	1/2	901.00	1/2	540.72	1/2	180.43	1/2		1/2		1/2	
3/4	2,333.69	3/4	1,973.40	3/4	1,613.11	3/4	1,253.12	3/4	893.49	3/4	533.21	3/4	172.92	3/4		3/4		3/4	
10	2,326.18	10	1,965.89	10	1,605.61	10	1,245.64	10	885.99	10	525.70	10	165.41	10		10		10	
1/4	2,318.68	1/4	1,958.39	1/4	1,598.10	1/4	1,238.15	1/4	878.48	1/4	518.20	1/4	157.91	1/4		1/4		1/4	
1/2	2,311.17	1/2	1,950.88	1/2	1,590.60	1/2	1,230.67	1/2	870.98	1/2	510.69	1/2	150.40	1/2		1/2		1/2	
3/4	2,303.66	3/4	1,943.37	3/4	1,583.09	3/4	1,223.18	3/4	863.47	3/4	503.18	3/4	142.89	3/4		3/4		3/4	
11	2,296.16	11	1,935.87	11	1,575.58	11	1,215.69	11	855.97	11	495.68	11	135.39	11		11		11	
1/4	2,288.65	1/4	1,928.36	1/4	1,568.08	1/4	1,208.21	1/4	848.46	1/4	488.17	1/4	127.88	1/4		1/4		1/4	
1/2	2,281.15	1/2	1,920.86	1/2	1,560.57	1/2	1,200.72	1/2	840.96	1/2	480.67	1/2	120.38	1/2		1/2		1/2	
3/4	2,273.64	3/4	1,913.35	3/4	1,553.06	3/4	1,193.23	3/4	833.45	3/4	473.16	3/4	112.87	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/14/2009 INSP
RECALCULATED: 02/19/2025 PMA
NAME CHANGE: 02/19/2025 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2025

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>