



BARGE "KIRBY 28089"

ULLAGE TRIM TABLE
FORMERLY "SMI 30045"

	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	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
1 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
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	- 00-0/8	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 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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 5'-00"
 DIFF. = 3'-00" (DOWN BY STERN)

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

LENGTH BETWEEN DRAFT MARKS: 257'-03"

August 3, 2023

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28089"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30045"

GAUGE HEIGHT 16'-11 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
		1/4		1/4		1/4	4,932.48	1/4	4,590.72	1/4	4,239.02	1/4	3,886.70	1/4	3,532.92	1/4	3,179.14	1/4	2,825.36
		1/2		1/2		1/2	4,926.66	1/2	4,583.39	1/2	4,231.70	1/2	3,879.33	1/2	3,525.55	1/2	3,171.77	1/2	2,817.99
		3/4		3/4		3/4	4,920.85	3/4	4,576.07	3/4	4,224.37	3/4	3,871.96	3/4	3,518.18	3/4	3,164.40	3/4	2,810.62
1	1	1	1	1	1	1	4,915.03	1	4,568.74	1	4,217.04	1	3,864.59	1	3,510.81	1	3,157.03	1	2,803.25
		1/4		1/4		1/4	4,909.22	1/4	4,561.41	1/4	4,209.72	1/4	3,857.22	1/4	3,503.44	1/4	3,149.66	1/4	2,795.88
		1/2		1/2		1/2	4,902.45	1/2	4,554.09	1/2	4,202.39	1/2	3,849.85	1/2	3,496.07	1/2	3,142.29	1/2	2,788.51
		3/4		3/4		3/4	4,895.68	3/4	4,546.76	3/4	4,195.06	3/4	3,842.48	3/4	3,488.70	3/4	3,134.92	3/4	2,781.14
2	2	2	2	2	2	2	4,888.91	2	4,539.43	2	4,187.74	2	3,835.11	2	3,481.33	2	3,127.55	2	2,773.77
		1/4		1/4		1/4	4,882.14	1/4	4,532.10	1/4	4,180.41	1/4	3,827.74	1/4	3,473.96	1/4	3,120.18	1/4	2,766.40
		1/2		1/2		1/2	4,874.94	1/2	4,524.78	1/2	4,173.08	1/2	3,820.37	1/2	3,466.59	1/2	3,112.81	1/2	2,759.03
		3/4		3/4		3/4	4,867.75	3/4	4,517.45	3/4	4,165.75	3/4	3,813.00	3/4	3,459.22	3/4	3,105.44	3/4	2,751.66
3	3	3	3	3	3	3	4,860.56	3	4,510.12	3	4,158.43	3	3,805.63	3	3,451.85	3	3,098.07	3	2,744.29
		1/4		1/4		1/4	4,853.37	1/4	4,502.80	1/4	4,151.10	1/4	3,798.26	1/4	3,444.48	1/4	3,090.70	1/4	2,736.92
		1/2		1/2		1/2	4,846.11	1/2	4,495.47	1/2	4,143.77	1/2	3,790.89	1/2	3,437.11	1/2	3,083.33	1/2	2,729.55
		3/4		3/4		3/4	4,838.86	3/4	4,488.14	3/4	4,136.45	3/4	3,783.52	3/4	3,429.74	3/4	3,075.96	3/4	2,722.18
4	4	4	4	4	4	4	4,831.60	4	4,480.82	4	4,129.12	4	3,776.15	4	3,422.37	4	3,068.59	4	2,714.81
		1/4		1/4		1/4	4,824.35	1/4	4,473.49	1/4	4,121.79	1/4	3,768.78	1/4	3,415.00	1/4	3,061.22	1/4	2,707.44
		1/2		1/2		1/2	4,817.09	1/2	4,466.16	1/2	4,114.47	1/2	3,761.41	1/2	3,407.63	1/2	3,053.85	1/2	2,700.07
		3/4		3/4		3/4	4,809.83	3/4	4,458.83	3/4	4,107.14	3/4	3,754.04	3/4	3,400.26	3/4	3,046.48	3/4	2,692.70
5	5	5	5	5	5	5	4,802.56	5	4,451.51	5	4,099.81	5	3,746.66	5	3,392.89	5	3,039.11	5	2,685.33
		1/4		1/4		1/4	4,795.30	1/4	4,444.18	1/4	4,092.48	1/4	3,739.29	1/4	3,385.52	1/4	3,031.74	1/4	2,677.96
		1/2		1/2		1/2	4,788.04	1/2	4,436.85	1/2	4,085.16	1/2	3,731.92	1/2	3,378.14	1/2	3,024.37	1/2	2,670.59
		3/4		3/4		3/4	4,780.78	3/4	4,429.53	3/4	4,077.83	3/4	3,724.55	3/4	3,370.77	3/4	3,017.00	3/4	2,663.22
6	6	6	6	6	6	6	4,773.51	6	4,422.20	6	4,070.50	6	3,717.18	6	3,363.40	6	3,009.62	6	2,655.85
		1/4		1/4		1/4	4,766.25	1/4	4,414.87	1/4	4,063.18	1/4	3,709.81	1/4	3,356.03	1/4	3,002.25	1/4	2,648.48
		1/2		1/2		1/2	4,758.99	1/2	4,407.55	1/2	4,055.85	1/2	3,702.44	1/2	3,348.66	1/2	2,994.88	1/2	2,641.10
		3/4		3/4		3/4	4,751.72	3/4	4,400.22	3/4	4,048.52	3/4	3,695.07	3/4	3,341.29	3/4	2,987.51	3/4	2,633.73
7	7	7	7	7	7	7	4,744.46	7	4,392.89	7	4,041.20	7	3,687.70	7	3,333.92	7	2,980.14	7	2,626.36
		1/4		1/4		1/4	4,737.20	1/4	4,385.56	1/4	4,033.87	1/4	3,680.33	1/4	3,326.55	1/4	2,972.77	1/4	2,618.99
		1/2		1/2		1/2	4,729.89	1/2	4,378.24	1/2	4,026.54	1/2	3,672.96	1/2	3,319.18	1/2	2,965.40	1/2	2,611.62
		3/4		3/4		3/4	4,722.59	3/4	4,370.91	3/4	4,019.21	3/4	3,665.59	3/4	3,311.81	3/4	2,958.03	3/4	2,604.25
8	8	8	8	8	8	8	4,715.28	8	4,363.58	8	4,011.89	8	3,658.22	8	3,304.44	8	2,950.66	8	2,596.88
		1/4		1/4		1/4	4,707.97	1/4	4,356.26	1/4	4,004.56	1/4	3,650.85	1/4	3,297.07	1/4	2,943.29	1/4	2,589.51
		1/2		1/2		1/2	4,700.64	1/2	4,348.93	1/2	3,997.21	1/2	3,643.48	1/2	3,289.70	1/2	2,935.92	1/2	2,582.14
		3/4		3/4		3/4	4,693.31	3/4	4,341.60	3/4	3,989.85	3/4	3,636.11	3/4	3,282.33	3/4	2,928.55	3/4	2,574.77
9	9	9	9	9	9	9	4,685.98	9	4,334.28	9	3,982.50	9	3,628.74	9	3,274.96	9	2,921.18	9	2,567.39
		1/4		1/4		1/4	4,678.65	1/4	4,326.95	1/4	3,975.15	1/4	3,621.37	1/4	3,267.59	1/4	2,913.81	1/4	2,560.02
		1/2		1/2		1/2	4,671.32	1/2	4,319.62	1/2	3,967.78	1/2	3,614.00	1/2	3,260.22	1/2	2,906.44	1/2	2,552.65
		3/4		3/4		3/4	4,663.99	3/4	4,312.29	3/4	3,960.41	3/4	3,606.63	3/4	3,252.85	3/4	2,899.07	3/4	2,545.27
10	10	10	10	10	10	10	4,656.66	10	4,304.97	10	3,953.04	10	3,599.26	10	3,245.48	10	2,891.70	10	2,537.90
		1/4		1/4		1/4	4,649.34	1/4	4,297.64	1/4	3,945.67	1/4	3,591.89	1/4	3,238.11	1/4	2,884.33	1/4	2,530.52
		1/2		1/2		1/2	4,642.01	1/2	4,290.31	1/2	3,938.30	1/2	3,584.52	1/2	3,230.74	1/2	2,876.96	1/2	2,523.15
		3/4		3/4		3/4	4,634.68	3/4	4,282.99	3/4	3,930.92	3/4	3,577.15	3/4	3,223.37	3/4	2,869.59	3/4	2,515.77
11	11	11	11	11	11	11	4,627.36	11	4,275.66	11	3,923.55	11	3,569.78	11	3,216.00	11	2,862.22	11	2,508.40
		1/4		1/4		1/4	4,620.03	1/4	4,268.33	1/4	3,916.18	1/4	3,562.40	1/4	3,208.63	1/4	2,854.85	1/4	2,501.02
		1/2		1/2		1/2	4,612.70	1/2	4,261.01	1/2	3,908.81	1/2	3,555.03	1/2	3,201.26	1/2	2,847.48	1/2	2,493.65
		3/4		3/4		3/4	4,605.37	3/4	4,253.68	3/4	3,901.44	3/4	3,547.66	3/4	3,193.88	3/4	2,840.11	3/4	2,486.27

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 14'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "KIRBY 28089"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30045"

GAUGE HEIGHT 16'-11 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	2,478.90	0	2,124.91	0	1,770.93	0	1,416.94	0	1,063.30	0	711.33	0	357.35	0		0		0	
1/4	2,471.52	1/4	2,117.54	1/4	1,763.55	1/4	1,409.57	1/4	1,055.96	1/4	703.95	1/4	349.98	1/4	1/4		1/4		1/4
1/2	2,464.15	1/2	2,110.16	1/2	1,756.18	1/2	1,402.19	1/2	1,048.64	1/2	696.58	1/2	342.60	1/2	1/2		1/2		1/2
3/4	2,456.77	3/4	2,102.79	3/4	1,748.80	3/4	1,394.82	3/4	1,041.31	3/4	689.21	3/4	335.23	3/4	3/4		3/4		3/4
1	2,449.40	1	2,095.41	1	1,741.43	1	1,387.44	1	1,033.99	1	681.83	1	327.85	1	1		1		1
1/4	2,442.02	1/4	2,088.04	1/4	1,734.05	1/4	1,380.07	1/4	1,026.66	1/4	674.46	1/4	320.48	1/4	1/4		1/4		1/4
1/2	2,434.65	1/2	2,080.66	1/2	1,726.68	1/2	1,372.69	1/2	1,019.34	1/2	667.08	1/2	313.11	1/2	1/2		1/2		1/2
3/4	2,427.28	3/4	2,073.29	3/4	1,719.30	3/4	1,365.32	3/4	1,012.01	3/4	659.71	3/4	305.73	3/4	3/4		3/4		3/4
2	2,419.90	2	2,065.92	2	1,711.93	2	1,357.94	2	1,004.69	2	652.33	2	298.36	2	2		2		2
1/4	2,412.53	1/4	2,058.54	1/4	1,704.55	1/4	1,350.57	1/4	997.37	1/4	644.96	1/4	290.98	1/4	1/4		1/4		1/4
1/2	2,405.15	1/2	2,051.17	1/2	1,697.18	1/2	1,343.19	1/2	990.04	1/2	637.58	1/2	283.61	1/2	1/2		1/2		1/2
3/4	2,397.78	3/4	2,043.79	3/4	1,689.81	3/4	1,335.82	3/4	982.72	3/4	630.21	3/4	276.23	3/4	3/4		3/4		3/4
3	2,390.40	3	2,036.42	3	1,682.43	3	1,328.45	3	975.40	3	622.83	3	268.86	3	3		3		3
1/4	2,383.03	1/4	2,029.04	1/4	1,675.06	1/4	1,321.07	1/4	968.08	1/4	615.46	1/4	261.49	1/4	1/4		1/4		1/4
1/2	2,375.65	1/2	2,021.67	1/2	1,667.68	1/2	1,313.70	1/2	960.76	1/2	608.09	1/2	254.11	1/2	1/2		1/2		1/2
3/4	2,368.28	3/4	2,014.29	3/4	1,660.31	3/4	1,306.32	3/4	953.44	3/4	600.71	3/4	246.74	3/4	3/4		3/4		3/4
4	2,360.90	4	2,006.92	4	1,652.93	4	1,298.95	4	946.12	4	593.34	4	239.37	4	4		4		4
1/4	2,353.53	1/4	1,999.54	1/4	1,645.56	1/4	1,291.57	1/4	938.79	1/4	585.96	1/4	232.00	1/4	1/4		1/4		1/4
1/2	2,346.15	1/2	1,992.17	1/2	1,638.18	1/2	1,284.20	1/2	931.47	1/2	578.59	1/2	224.63	1/2	1/2		1/2		1/2
3/4	2,338.78	3/4	1,984.79	3/4	1,630.81	3/4	1,276.82	3/4	924.15	3/4	571.21	3/4	217.27	3/4	3/4		3/4		3/4
5	2,331.40	5	1,977.42	5	1,623.43	5	1,269.45	5	916.83	5	563.84	5	209.90	5	5		5		5
1/4	2,324.03	1/4	1,970.04	1/4	1,616.06	1/4	1,262.07	1/4	909.51	1/4	556.46	1/4	202.54	1/4	1/4		1/4		1/4
1/2	2,316.66	1/2	1,962.67	1/2	1,608.68	1/2	1,254.70	1/2	902.19	1/2	549.09	1/2	195.19	1/2	1/2		1/2		1/2
3/4	2,309.28	3/4	1,955.29	3/4	1,601.31	3/4	1,247.32	3/4	894.87	3/4	541.72	3/4	187.83	3/4	3/4		3/4		3/4
6	2,301.91	6	1,947.92	6	1,593.93	6	1,239.95	6	887.55	6	534.34	6	180.48	6	6		6		6
1/4	2,294.53	1/4	1,940.55	1/4	1,586.56	1/4	1,232.57	1/4	880.22	1/4	526.97	1/4	173.13	1/4	1/4		1/4		1/4
1/2	2,287.16	1/2	1,933.17	1/2	1,579.19	1/2	1,225.20	1/2	872.90	1/2	519.59	1/2	165.80	1/2	1/2		1/2		1/2
3/4	2,279.78	3/4	1,925.80	3/4	1,571.81	3/4	1,217.82	3/4	865.58	3/4	512.22	3/4	158.46	3/4	3/4		3/4		3/4
7	2,272.41	7	1,918.42	7	1,564.44	7	1,210.45	7	858.26	7	504.84	7	151.13	7	7		7		7
1/4	2,265.03	1/4	1,911.05	1/4	1,557.06	1/4	1,203.08	1/4	850.94	1/4	497.47	1/4	143.80	1/4	1/4		1/4		1/4
1/2	2,257.66	1/2	1,903.67	1/2	1,549.69	1/2	1,195.70	1/2	843.62	1/2	490.09	1/2	136.50	1/2	1/2		1/2		1/2
3/4	2,250.28	3/4	1,896.30	3/4	1,542.31	3/4	1,188.33	3/4	836.30	3/4	482.72	3/4	129.19	3/4	3/4		3/4		3/4
8	2,242.91	8	1,888.92	8	1,534.94	8	1,180.95	8	828.97	8	475.34	8	121.89	8	8		8		8
1/4	2,235.53	1/4	1,881.55	1/4	1,527.56	1/4	1,173.58	1/4	821.65	1/4	467.97	1/4	114.59	1/4	1/4		1/4		1/4
1/2	2,228.16	1/2	1,874.17	1/2	1,520.19	1/2	1,166.20	1/2	814.33	1/2	460.60	1/2	107.59	1/2	1/2		1/2		1/2
3/4	2,220.78	3/4	1,866.80	3/4	1,512.81	3/4	1,158.83	3/4	807.01	3/4	453.22	3/4	100.58	3/4	3/4		3/4		3/4
9	2,213.41	9	1,859.42	9	1,505.44	9	1,151.45	9	799.69	9	445.85	9	93.57	9	9		9		9
1/4	2,206.03	1/4	1,852.05	1/4	1,498.06	1/4	1,144.08	1/4	792.37	1/4	438.47	1/4	86.57	1/4	1/4		1/4		1/4
1/2	2,198.66	1/2	1,844.67	1/2	1,490.69	1/2	1,136.72	1/2	785.01	1/2	431.10	1/2	80.38	1/2	1/2		1/2		1/2
3/4	2,191.29	3/4	1,837.30	3/4	1,483.31	3/4	1,129.37	3/4	777.66	3/4	423.72	3/4	74.19	3/4	3/4		3/4		3/4
10	2,183.91	10	1,829.92	10	1,475.94	10	1,122.02	10	770.30	10	416.35	10	68.01	10	10		10		10
1/4	2,176.54	1/4	1,822.55	1/4	1,468.56	1/4	1,114.66	1/4	762.95	1/4	408.97	1/4	61.82	1/4	1/4		1/4		1/4
1/2	2,169.16	1/2	1,815.18	1/2	1,461.19	1/2	1,107.32	1/2	755.58	1/2	401.60	1/2	56.68	1/2	1/2		1/2		1/2
3/4	2,161.79	3/4	1,807.80	3/4	1,453.82	3/4	1,099.98	3/4	748.20	3/4	394.23	3/4	51.55	3/4	3/4		3/4		3/4
11	2,154.41	11	1,800.43	11	1,446.44	11	1,092.64	11	740.83	11	386.85	11	46.41	11	11		11		11
1/4	2,147.04	1/4	1,793.05	1/4	1,439.07	1/4	1,085.29	1/4	733.45	1/4	379.48	1/4	41.28	1/4	1/4		1/4		1/4
1/2	2,139.66	1/2	1,785.68	1/2	1,431.69	1/2	1,077.96	1/2	726.08	1/2	372.10	1/2		1/2	1/2		1/2		1/2
3/4	2,132.29	3/4	1,778.30	3/4	1,424.32	3/4	1,070.63	3/4	718.70	3/4	364.73	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/30/2013 SW
CALCULATED: 04/30/2013 CL
VERIFIED: 08/03/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2023

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



BARGE "KIRBY 28089"

1 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30045"

GAUGE HEIGHT 16'-11 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		0	4,603.95	0	4,252.52	0	3,900.53	0	3,547.01	0	3,193.50	0	2,839.98
1/4		1/4		1/4		1/4		1/4	4,596.63	1/4	4,245.19	1/4	3,893.16	1/4	3,539.65	1/4	3,186.13	1/4	2,832.62
1/2		1/2		1/2		1/2		1/2	4,931.64	1/2	4,589.31	1/2	4,237.87	1/2	3,885.80	1/2	3,532.28	1/2	3,178.77
3/4		3/4		3/4		3/4		3/4	4,925.83	3/4	4,581.99	3/4	4,230.55	3/4	3,878.43	3/4	3,524.92	3/4	3,171.40
1		1		1		1		1	4,920.02	1	4,574.67	1	4,223.23	1	3,871.07	1	3,517.55	1	3,164.04
1/4		1/4		1/4		1/4		1/4	4,914.21	1/4	4,567.35	1/4	4,215.91	1/4	3,863.70	1/4	3,510.19	1/4	3,156.67
1/2		1/2		1/2		1/2		1/2	4,908.40	1/2	4,560.02	1/2	4,208.59	1/2	3,856.34	1/2	3,502.82	1/2	3,149.31
3/4		3/4		3/4		3/4		3/4	4,901.63	3/4	4,552.70	3/4	4,201.27	3/4	3,848.97	3/4	3,495.46	3/4	3,141.94
2		2		2		2		2	4,894.87	2	4,545.38	2	4,193.94	2	3,841.61	2	3,488.09	2	3,134.58
1/4		1/4		1/4		1/4		1/4	4,888.10	1/4	4,538.06	1/4	4,186.62	1/4	3,834.24	1/4	3,480.73	1/4	3,127.21
1/2		1/2		1/2		1/2		1/2	4,881.33	1/2	4,530.74	1/2	4,179.30	1/2	3,826.88	1/2	3,473.36	1/2	3,119.85
3/4		3/4		3/4		3/4		3/4	4,874.15	3/4	4,523.42	3/4	4,171.98	3/4	3,819.51	3/4	3,466.00	3/4	3,112.48
3		3		3		3		3	4,866.96	3	4,516.09	3	4,164.66	3	3,812.15	3	3,458.63	3	3,105.12
1/4		1/4		1/4		1/4		1/4	4,859.77	1/4	4,508.77	1/4	4,157.34	1/4	3,804.78	1/4	3,451.27	1/4	3,097.75
1/2		1/2		1/2		1/2		1/2	4,852.58	1/2	4,501.45	1/2	4,150.01	1/2	3,797.42	1/2	3,443.90	1/2	3,090.39
3/4		3/4		3/4		3/4		3/4	4,845.34	3/4	4,494.13	3/4	4,142.69	3/4	3,790.05	3/4	3,436.54	3/4	3,083.02
4		4		4		4		4	4,838.09	4	4,486.81	4	4,135.37	4	3,782.69	4	3,429.17	4	3,075.66
1/4		1/4		1/4		1/4		1/4	4,830.84	1/4	4,479.49	1/4	4,128.05	1/4	3,775.32	1/4	3,421.81	1/4	3,068.29
1/2		1/2		1/2		1/2		1/2	4,823.59	1/2	4,472.16	1/2	4,120.73	1/2	3,767.96	1/2	3,414.44	1/2	3,060.93
3/4		3/4		3/4		3/4		3/4	4,816.29	3/4	4,464.84	3/4	4,113.41	3/4	3,760.59	3/4	3,407.08	3/4	3,053.56
5		5		5		5		5	4,808.99	5	4,457.52	5	4,106.08	5	3,753.23	5	3,399.71	5	3,046.20
1/4		1/4		1/4		1/4		1/4	4,801.69	1/4	4,450.20	1/4	4,098.76	1/4	3,745.86	1/4	3,392.35	1/4	3,038.83
1/2		1/2		1/2		1/2		1/2	4,794.39	1/2	4,442.88	1/2	4,091.44	1/2	3,738.50	1/2	3,384.98	1/2	3,031.47
3/4		3/4		3/4		3/4		3/4	4,787.07	3/4	4,435.56	3/4	4,084.12	3/4	3,731.13	3/4	3,377.62	3/4	3,024.10
6		6		6		6		6	4,779.74	6	4,428.23	6	4,076.80	6	3,723.77	6	3,370.25	6	3,016.74
1/4		1/4		1/4		1/4		1/4	4,772.41	1/4	4,420.91	1/4	4,069.48	1/4	3,716.40	1/4	3,362.89	1/4	3,009.37
1/2		1/2		1/2		1/2		1/2	4,765.09	1/2	4,413.59	1/2	4,062.15	1/2	3,709.04	1/2	3,355.52	1/2	3,002.01
3/4		3/4		3/4		3/4		3/4	4,757.76	3/4	4,406.27	3/4	4,054.83	3/4	3,701.67	3/4	3,348.16	3/4	2,994.64
7		7		7		7		7	4,750.44	7	4,398.95	7	4,047.51	7	3,694.31	7	3,340.79	7	2,987.28
1/4		1/4		1/4		1/4		1/4	4,743.11	1/4	4,391.63	1/4	4,040.19	1/4	3,686.94	1/4	3,333.43	1/4	2,979.91
1/2		1/2		1/2		1/2		1/2	4,735.79	1/2	4,384.31	1/2	4,032.87	1/2	3,679.58	1/2	3,326.06	1/2	2,972.55
3/4		3/4		3/4		3/4		3/4	4,728.46	3/4	4,376.98	3/4	4,025.55	3/4	3,672.22	3/4	3,318.70	3/4	2,965.18
8		8		8		8		8	4,721.13	8	4,369.66	8	4,018.23	8	3,664.85	8	3,311.33	8	2,957.82
1/4		1/4		1/4		1/4		1/4	4,713.81	1/4	4,362.34	1/4	4,010.90	1/4	3,657.49	1/4	3,303.97	1/4	2,950.45
1/2		1/2		1/2		1/2		1/2	4,706.48	1/2	4,355.02	1/2	4,003.58	1/2	3,650.12	1/2	3,296.61	1/2	2,943.09
3/4		3/4		3/4		3/4		3/4	4,699.16	3/4	4,347.70	3/4	3,996.23	3/4	3,642.76	3/4	3,289.24	3/4	2,935.73
9		9		9		9		9	4,691.83	9	4,340.38	9	3,988.88	9	3,635.39	9	3,281.88	9	2,928.36
1/4		1/4		1/4		1/4		1/4	4,684.50	1/4	4,333.05	1/4	3,981.53	1/4	3,628.03	1/4	3,274.51	1/4	2,921.00
1/2		1/2		1/2		1/2		1/2	4,677.18	1/2	4,325.73	1/2	3,974.18	1/2	3,620.66	1/2	3,267.15	1/2	2,913.63
3/4		3/4		3/4		3/4		3/4	4,669.85	3/4	4,318.41	3/4	3,966.81	3/4	3,613.30	3/4	3,259.78	3/4	2,906.27
10		10		10		10		10	4,662.53	10	4,311.09	10	3,959.45	10	3,605.93	10	3,252.42	10	2,898.90
1/4		1/4		1/4		1/4		1/4	4,655.21	1/4	4,303.77	1/4	3,952.08	1/4	3,598.57	1/4	3,245.05	1/4	2,891.54
1/2		1/2		1/2		1/2		1/2	4,647.88	1/2	4,296.45	1/2	3,944.72	1/2	3,591.20	1/2	3,237.69	1/2	2,884.17
3/4		3/4		3/4		3/4		3/4	4,640.56	3/4	4,289.12	3/4	3,937.35	3/4	3,583.84	3/4	3,230.32	3/4	2,876.81
11		11		11		11		11	4,633.24	11	4,281.80	11	3,929.99	11	3,576.47	11	3,222.96	11	2,869.44
1/4		1/4		1/4		1/4		1/4	4,625.92	1/4	4,274.48	1/4	3,922.62	1/4	3,569.11	1/4	3,215.59	1/4	2,862.08
1/2		1/2		1/2		1/2		1/2	4,618.60	1/2	4,267.16	1/2	3,915.26	1/2	3,561.74	1/2	3,208.23	1/2	2,854.71
3/4		3/4		3/4		3/4		3/4	4,611.27	3/4	4,259.84	3/4	3,907.89	3/4	3,554.38	3/4	3,200.86	3/4	2,847.35

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 14'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>





BARGE "KIRBY 28089"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30045"

GAUGE HEIGHT 16'-11 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	2,486.42	0	2,132.69	0	1,778.96	0	1,425.24	0	1,071.52	0	718.18	0	364.46	0		0		0	
1/4	2,479.05	1/4	2,125.32	1/4	1,771.59	1/4	1,417.87	1/4	1,064.15	1/4	710.81	1/4	357.09	1/4	1/4	1/4		1/4	
1/2	2,471.68	1/2	2,117.95	1/2	1,764.22	1/2	1,410.50	1/2	1,056.79	1/2	703.44	1/2	349.72	1/2	1/2	1/2		1/2	
3/4	2,464.31	3/4	2,110.58	3/4	1,756.86	3/4	1,403.13	3/4	1,049.42	3/4	696.07	3/4	342.35	3/4	3/4	3/4		3/4	
1	2,456.94	1	2,103.21	1	1,749.49	1	1,395.76	1	1,042.06	1	688.70	1	334.98	1	1	1		1	
1/4	2,449.57	1/4	2,095.84	1/4	1,742.12	1/4	1,388.39	1/4	1,034.70	1/4	681.33	1/4	327.61	1/4	1/4	1/4		1/4	
1/2	2,442.20	1/2	2,088.47	1/2	1,734.75	1/2	1,381.02	1/2	1,027.33	1/2	673.96	1/2	320.24	1/2	1/2	1/2		1/2	
3/4	2,434.83	3/4	2,081.10	3/4	1,727.38	3/4	1,373.65	3/4	1,019.97	3/4	666.59	3/4	312.88	3/4	3/4	3/4		3/4	
2	2,427.46	2	2,073.74	2	1,720.01	2	1,366.28	2	1,012.61	2	659.22	2	305.51	2	2	2		2	
1/4	2,420.09	1/4	2,066.37	1/4	1,712.64	1/4	1,358.91	1/4	1,005.25	1/4	651.85	1/4	298.14	1/4	1/4	1/4		1/4	
1/2	2,412.72	1/2	2,059.00	1/2	1,705.27	1/2	1,351.54	1/2	997.89	1/2	644.48	1/2	290.77	1/2	1/2	1/2		1/2	
3/4	2,405.35	3/4	2,051.63	3/4	1,697.90	3/4	1,344.17	3/4	990.53	3/4	637.12	3/4	283.40	3/4	3/4	3/4		3/4	
3	2,397.98	3	2,044.26	3	1,690.53	3	1,336.81	3	983.17	3	629.75	3	276.03	3	3	3		3	
1/4	2,390.62	1/4	2,036.89	1/4	1,683.16	1/4	1,329.44	1/4	975.81	1/4	622.38	1/4	268.66	1/4	1/4	1/4		1/4	
1/2	2,383.25	1/2	2,029.52	1/2	1,675.79	1/2	1,322.07	1/2	968.45	1/2	615.01	1/2	261.29	1/2	1/2	1/2		1/2	
3/4	2,375.88	3/4	2,022.15	3/4	1,668.42	3/4	1,314.70	3/4	961.10	3/4	607.64	3/4	253.93	3/4	3/4	3/4		3/4	
4	2,368.51	4	2,014.78	4	1,661.05	4	1,307.33	4	953.74	4	600.27	4	246.56	4	4	4		4	
1/4	2,361.14	1/4	2,007.41	1/4	1,653.69	1/4	1,299.96	1/4	946.38	1/4	592.90	1/4	239.19	1/4	1/4	1/4		1/4	
1/2	2,353.77	1/2	2,000.04	1/2	1,646.32	1/2	1,292.59	1/2	939.02	1/2	585.53	1/2	231.83	1/2	1/2	1/2		1/2	
3/4	2,346.40	3/4	1,992.67	3/4	1,638.95	3/4	1,285.22	3/4	931.66	3/4	578.16	3/4	224.47	3/4	3/4	3/4		3/4	
5	2,339.03	5	1,985.30	5	1,631.58	5	1,277.85	5	924.30	5	570.79	5	217.11	5	5	5		5	
1/4	2,331.66	1/4	1,977.93	1/4	1,624.21	1/4	1,270.48	1/4	916.94	1/4	563.42	1/4	209.75	1/4	1/4	1/4		1/4	
1/2	2,324.29	1/2	1,970.57	1/2	1,616.84	1/2	1,263.11	1/2	909.59	1/2	556.06	1/2	202.39	1/2	1/2	1/2		1/2	
3/4	2,316.92	3/4	1,963.20	3/4	1,609.47	3/4	1,255.74	3/4	902.23	3/4	548.69	3/4	195.04	3/4	3/4	3/4		3/4	
6	2,309.55	6	1,955.83	6	1,602.10	6	1,248.37	6	894.87	6	541.32	6	187.70	6	6	6		6	
1/4	2,302.18	1/4	1,948.46	1/4	1,594.73	1/4	1,241.00	1/4	887.51	1/4	533.95	1/4	180.35	1/4	1/4	1/4		1/4	
1/2	2,294.81	1/2	1,941.09	1/2	1,587.36	1/2	1,233.64	1/2	880.15	1/2	526.58	1/2	173.00	1/2	1/2	1/2		1/2	
3/4	2,287.45	3/4	1,933.72	3/4	1,579.99	3/4	1,226.27	3/4	872.79	3/4	519.21	3/4	165.67	3/4	3/4	3/4		3/4	
7	2,280.08	7	1,926.35	7	1,572.62	7	1,218.90	7	865.43	7	511.84	7	158.35	7	7	7		7	
1/4	2,272.71	1/4	1,918.98	1/4	1,565.25	1/4	1,211.53	1/4	858.08	1/4	504.47	1/4	151.02	1/4	1/4	1/4		1/4	
1/2	2,265.34	1/2	1,911.61	1/2	1,557.88	1/2	1,204.16	1/2	850.72	1/2	497.10	1/2	143.69	1/2	1/2	1/2		1/2	
3/4	2,257.97	3/4	1,904.24	3/4	1,550.52	3/4	1,196.79	3/4	843.36	3/4	489.73	3/4	136.39	3/4	3/4	3/4		3/4	
8	2,250.60	8	1,896.87	8	1,543.15	8	1,189.42	8	836.00	8	482.36	8	129.10	8	8	8		8	
1/4	2,243.23	1/4	1,889.50	1/4	1,535.78	1/4	1,182.05	1/4	828.64	1/4	475.00	1/4	121.80	1/4	1/4	1/4		1/4	
1/2	2,235.86	1/2	1,882.13	1/2	1,528.41	1/2	1,174.68	1/2	821.28	1/2	467.63	1/2	114.51	1/2	1/2	1/2		1/2	
3/4	2,228.49	3/4	1,874.76	3/4	1,521.04	3/4	1,167.31	3/4	813.92	3/4	460.26	3/4	107.51	3/4	3/4	3/4		3/4	
9	2,221.12	9	1,867.39	9	1,513.67	9	1,159.94	9	806.57	9	452.89	9	100.50	9	9	9		9	
1/4	2,213.75	1/4	1,860.03	1/4	1,506.30	1/4	1,152.57	1/4	799.21	1/4	445.52	1/4	93.50	1/4	1/4	1/4		1/4	
1/2	2,206.38	1/2	1,852.66	1/2	1,498.93	1/2	1,145.20	1/2	791.85	1/2	438.15	1/2	86.50	1/2	1/2	1/2		1/2	
3/4	2,199.01	3/4	1,845.29	3/4	1,491.56	3/4	1,137.83	3/4	784.48	3/4	430.78	3/4	80.32	3/4	3/4	3/4		3/4	
10	2,191.64	10	1,837.92	10	1,484.19	10	1,130.46	10	777.12	10	423.41	10	74.14	10	10	10		10	
1/4	2,184.27	1/4	1,830.55	1/4	1,476.82	1/4	1,123.10	1/4	769.75	1/4	416.04	1/4	67.96	1/4	1/4	1/4		1/4	
1/2	2,176.91	1/2	1,823.18	1/2	1,469.45	1/2	1,115.73	1/2	762.39	1/2	408.67	1/2	61.78	1/2	1/2	1/2		1/2	
3/4	2,169.54	3/4	1,815.81	3/4	1,462.08	3/4	1,108.36	3/4	755.02	3/4	401.30	3/4	56.64	3/4	3/4	3/4		3/4	
11	2,162.17	11	1,808.44	11	1,454.71	11	1,100.99	11	747.65	11	393.94	11	51.51	11	11	11		11	
1/4	2,154.80	1/4	1,801.07	1/4	1,447.34	1/4	1,093.62	1/4	740.28	1/4	386.57	1/4	46.38	1/4	1/4	1/4		1/4	
1/2	2,147.43	1/2	1,793.70	1/2	1,439.98	1/2	1,086.25	1/2	732.91	1/2	379.20	1/2	41.25	1/2	1/2	1/2		1/2	
3/4	2,140.06	3/4	1,786.33	3/4	1,432.61	3/4	1,078.88	3/4	725.54	3/4	371.83	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/30/2013 SW
CALCULATED: 04/30/2013 CL
VERIFIED: 08/03/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2023

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



BARGE "KIRBY 28089"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30045"

GAUGE HEIGHT 16'-11 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	2,507.26	0	2,148.58	0	1,789.90	0	1,431.22	0	1,074.96	0	728.22	0	369.56	0		0		0	
1/4	2,499.79	1/4	2,141.11	1/4	1,782.43	1/4	1,423.75	1/4	1,067.78	1/4	720.75	1/4	362.08	1/4	1/4	1/4		1/4	1/4
1/2	2,492.31	1/2	2,133.63	1/2	1,774.95	1/2	1,416.27	1/2	1,060.60	1/2	713.28	1/2	354.61	1/2	1/2	1/2		1/2	1/2
3/4	2,484.84	3/4	2,126.16	3/4	1,767.48	3/4	1,408.80	3/4	1,053.43	3/4	705.81	3/4	347.14	3/4	3/4	3/4		3/4	3/4
1	2,477.37	1	2,118.69	1	1,760.01	1	1,401.33	1	1,046.26	1	698.33	1	339.67	1	1	1		1	1
1/4	2,469.90	1/4	2,111.22	1/4	1,752.54	1/4	1,393.86	1/4	1,039.08	1/4	690.86	1/4	332.20	1/4	1/4	1/4		1/4	1/4
1/2	2,462.42	1/2	2,103.74	1/2	1,745.06	1/2	1,386.38	1/2	1,031.91	1/2	683.39	1/2	324.72	1/2	1/2	1/2		1/2	1/2
3/4	2,454.95	3/4	2,096.27	3/4	1,737.59	3/4	1,378.91	3/4	1,024.74	3/4	675.92	3/4	317.25	3/4	3/4	3/4		3/4	3/4
2	2,447.48	2	2,088.80	2	1,730.12	2	1,371.44	2	1,017.57	2	668.44	2	309.78	2	2	2		2	2
1/4	2,440.01	1/4	2,081.33	1/4	1,722.65	1/4	1,363.97	1/4	1,010.39	1/4	660.97	1/4	302.31	1/4	1/4	1/4		1/4	1/4
1/2	2,432.53	1/2	2,073.85	1/2	1,715.17	1/2	1,356.49	1/2	1,003.22	1/2	653.50	1/2	294.83	1/2	1/2	1/2		1/2	1/2
3/4	2,425.06	3/4	2,066.38	3/4	1,707.70	3/4	1,349.02	3/4	996.05	3/4	646.03	3/4	287.36	3/4	3/4	3/4		3/4	3/4
3	2,417.59	3	2,058.91	3	1,700.23	3	1,341.55	3	988.88	3	638.56	3	279.89	3	3	3		3	3
1/4	2,410.12	1/4	2,051.44	1/4	1,692.76	1/4	1,334.08	1/4	981.72	1/4	631.08	1/4	272.42	1/4	1/4	1/4		1/4	1/4
1/2	2,402.64	1/2	2,043.96	1/2	1,685.28	1/2	1,326.60	1/2	974.55	1/2	623.61	1/2	264.95	1/2	1/2	1/2		1/2	1/2
3/4	2,395.17	3/4	2,036.49	3/4	1,677.81	3/4	1,319.13	3/4	967.38	3/4	616.14	3/4	257.48	3/4	3/4	3/4		3/4	3/4
4	2,387.70	4	2,029.02	4	1,670.34	4	1,311.66	4	960.21	4	608.67	4	250.01	4	4	4		4	4
1/4	2,380.23	1/4	2,021.55	1/4	1,662.87	1/4	1,304.19	1/4	953.04	1/4	601.19	1/4	242.54	1/4	1/4	1/4		1/4	1/4
1/2	2,372.75	1/2	2,014.07	1/2	1,655.39	1/2	1,296.71	1/2	945.87	1/2	593.72	1/2	235.07	1/2	1/2	1/2		1/2	1/2
3/4	2,365.28	3/4	2,006.60	3/4	1,647.92	3/4	1,289.24	3/4	938.70	3/4	586.25	3/4	227.61	3/4	3/4	3/4		3/4	3/4
5	2,357.81	5	1,999.13	5	1,640.45	5	1,281.77	5	931.53	5	578.78	5	220.14	5	5	5		5	5
1/4	2,350.34	1/4	1,991.66	1/4	1,632.98	1/4	1,274.30	1/4	924.36	1/4	571.31	1/4	212.68	1/4	1/4	1/4		1/4	1/4
1/2	2,342.86	1/2	1,984.18	1/2	1,625.50	1/2	1,266.82	1/2	917.19	1/2	563.83	1/2	205.22	1/2	1/2	1/2		1/2	1/2
3/4	2,335.39	3/4	1,976.71	3/4	1,618.03	3/4	1,259.35	3/4	910.03	3/4	556.36	3/4	197.77	3/4	3/4	3/4		3/4	3/4
6	2,327.92	6	1,969.24	6	1,610.56	6	1,251.88	6	902.86	6	548.89	6	190.32	6	6	6		6	6
1/4	2,320.45	1/4	1,961.77	1/4	1,603.09	1/4	1,244.41	1/4	895.69	1/4	541.42	1/4	182.87	1/4	1/4	1/4		1/4	1/4
1/2	2,312.97	1/2	1,954.29	1/2	1,595.61	1/2	1,236.93	1/2	888.52	1/2	533.94	1/2	175.42	1/2	1/2	1/2		1/2	1/2
3/4	2,305.50	3/4	1,946.82	3/4	1,588.14	3/4	1,229.46	3/4	881.35	3/4	526.47	3/4	167.99	3/4	3/4	3/4		3/4	3/4
7	2,298.03	7	1,939.35	7	1,580.67	7	1,221.99	7	874.18	7	519.00	7	160.56	7	7	7		7	7
1/4	2,290.56	1/4	1,931.88	1/4	1,573.20	1/4	1,214.52	1/4	867.01	1/4	511.53	1/4	153.13	1/4	1/4	1/4		1/4	1/4
1/2	2,283.08	1/2	1,924.40	1/2	1,565.72	1/2	1,207.04	1/2	859.84	1/2	504.06	1/2	145.70	1/2	1/2	1/2		1/2	1/2
3/4	2,275.61	3/4	1,916.93	3/4	1,558.25	3/4	1,199.57	3/4	852.67	3/4	496.58	3/4	138.30	3/4	3/4	3/4		3/4	3/4
8	2,268.14	8	1,909.46	8	1,550.78	8	1,192.10	8	845.50	8	489.11	8	130.90	8	8	8		8	8
1/4	2,260.67	1/4	1,901.99	1/4	1,543.31	1/4	1,184.63	1/4	838.34	1/4	481.64	1/4	123.50	1/4	1/4	1/4		1/4	1/4
1/2	2,253.19	1/2	1,894.51	1/2	1,535.83	1/2	1,177.15	1/2	831.17	1/2	474.17	1/2	116.11	1/2	1/2	1/2		1/2	1/2
3/4	2,245.72	3/4	1,887.04	3/4	1,528.36	3/4	1,169.68	3/4	824.00	3/4	466.69	3/4	109.01	3/4	3/4	3/4		3/4	3/4
9	2,238.25	9	1,879.57	9	1,520.89	9	1,162.21	9	816.83	9	459.22	9	101.91	9	9	9		9	9
1/4	2,230.78	1/4	1,872.10	1/4	1,513.42	1/4	1,154.74	1/4	809.66	1/4	451.75	1/4	94.81	1/4	1/4	1/4		1/4	1/4
1/2	2,223.30	1/2	1,864.62	1/2	1,505.94	1/2	1,147.26	1/2	802.49	1/2	444.28	1/2	87.71	1/2	1/2	1/2		1/2	1/2
3/4	2,215.83	3/4	1,857.15	3/4	1,498.47	3/4	1,139.77	3/4	795.13	3/4	436.81	3/4	81.44	3/4	3/4	3/4		3/4	3/4
10	2,208.36	10	1,849.68	10	1,491.00	10	1,132.67	10	787.77	10	429.33	10	75.17	10	10	10		10	10
1/4	2,200.89	1/4	1,842.21	1/4	1,483.53	1/4	1,125.38	1/4	780.41	1/4	421.86	1/4	68.90	1/4	1/4	1/4		1/4	1/4
1/2	2,193.41	1/2	1,834.73	1/2	1,476.05	1/2	1,118.08	1/2	773.06	1/2	414.39	1/2	62.63	1/2	1/2	1/2		1/2	1/2
3/4	2,185.94	3/4	1,827.26	3/4	1,468.58	3/4	1,110.89	3/4	765.58	3/4	406.92	3/4	57.43	3/4	3/4	3/4		3/4	3/4
11	2,178.47	11	1,819.79	11	1,461.11	11	1,103.70	11	758.11	11	399.45	11	52.23	11	11	11		11	11
1/4	2,171.00	1/4	1,812.32	1/4	1,453.64	1/4	1,096.51	1/4	750.64	1/4	391.97	1/4	47.02	1/4	1/4	1/4		1/4	1/4
1/2	2,163.52	1/2	1,804.84	1/2	1,446.16	1/2	1,089.32	1/2	743.17	1/2	384.50	1/2	41.82	1/2	1/2	1/2		1/2	1/2
3/4	2,156.05	3/4	1,797.37	3/4	1,438.69	3/4	1,082.14	3/4	735.69	3/4	377.03	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/30/2013 SW
CALCULATED: 04/30/2013 CL
VERIFIED: 08/03/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2023

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



BARGE "KIRBY 28089"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30045"

GAUGE HEIGHT 16'-11 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0		0	4,679.28	0	4,322.64	0	3,965.49	0	3,606.77	0	3,248.04	0	2,889.31
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,671.85	1/4	4,315.21	1/4	3,958.02	1/4	3,599.29	1/4	3,240.56	1/4	2,881.84
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,664.42	1/2	4,307.78	1/2	3,950.55	1/2	3,591.82	1/2	3,233.09	1/2	2,874.36
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,004.41	3/4	4,656.99	3/4	4,300.35	3/4	3,943.07	3/4	3,584.34	3/4	3,225.62
1		1		1		1		1	4,998.51	1	4,649.56	1	4,292.92	1	3,935.60	1	3,576.87	1	3,218.14
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,992.61	1/4	4,642.13	1/4	4,285.49	1/4	3,928.13	1/4	3,569.40	1/4	3,210.67
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,986.71	1/2	4,634.70	1/2	4,278.06	1/2	3,920.65	1/2	3,561.92	1/2	3,203.20
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,980.82	3/4	4,627.27	3/4	4,270.63	3/4	3,913.18	3/4	3,554.45	3/4	3,195.72
2		2		2		2		2	4,973.95	2	4,619.84	2	4,263.20	2	3,905.71	2	3,546.98	2	3,188.25
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,967.08	1/4	4,612.41	1/4	4,255.77	1/4	3,898.23	1/4	3,539.50	1/4	3,180.78
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,960.22	1/2	4,604.98	1/2	4,248.34	1/2	3,890.76	1/2	3,532.03	1/2	3,173.30
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,953.35	3/4	4,597.55	3/4	4,240.91	3/4	3,883.28	3/4	3,524.56	3/4	3,165.83
3		3		3		3		3	4,946.05	3	4,590.12	3	4,233.48	3	3,875.81	3	3,517.08	3	3,158.36
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,938.76	1/4	4,582.69	1/4	4,226.05	1/4	3,868.34	1/4	3,509.61	1/4	3,150.88
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,931.47	1/2	4,575.26	1/2	4,218.62	1/2	3,860.86	1/2	3,502.14	1/2	3,143.41
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,924.17	3/4	4,567.83	3/4	4,211.19	3/4	3,853.39	3/4	3,494.66	3/4	3,135.93
4		4		4		4		4	4,916.81	4	4,560.40	4	4,203.76	4	3,845.92	4	3,487.19	4	3,128.46
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,909.46	1/4	4,552.97	1/4	4,196.33	1/4	3,838.44	1/4	3,479.72	1/4	3,120.99
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,902.10	1/2	4,545.54	1/2	4,188.90	1/2	3,830.97	1/2	3,472.24	1/2	3,113.51
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,894.74	3/4	4,538.11	3/4	4,181.47	3/4	3,823.50	3/4	3,464.77	3/4	3,106.04
5		5		5		5		5	4,887.34	5	4,530.68	5	4,174.04	5	3,816.02	5	3,457.30	5	3,098.57
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,879.93	1/4	4,523.25	1/4	4,166.61	1/4	3,808.55	1/4	3,449.82	1/4	3,091.09
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,872.52	1/2	4,515.82	1/2	4,159.18	1/2	3,801.08	1/2	3,442.35	1/2	3,083.62
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,865.11	3/4	4,508.39	3/4	4,151.75	3/4	3,793.60	3/4	3,434.87	3/4	3,076.15
6		6		6		6		6	4,857.68	6	4,500.96	6	4,144.32	6	3,786.13	6	3,427.40	6	3,068.67
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,850.24	1/4	4,493.53	1/4	4,136.89	1/4	3,778.66	1/4	3,419.93	1/4	3,061.20
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,842.81	1/2	4,486.10	1/2	4,129.46	1/2	3,771.18	1/2	3,412.45	1/2	3,053.73
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,835.38	3/4	4,478.67	3/4	4,122.03	3/4	3,763.71	3/4	3,404.98	3/4	3,046.25
7		7		7		7		7	4,827.94	7	4,471.24	7	4,114.60	7	3,756.24	7	3,397.51	7	3,038.78
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,820.51	1/4	4,463.81	1/4	4,107.17	1/4	3,748.76	1/4	3,390.03	1/4	3,031.31
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,813.07	1/2	4,456.38	1/2	4,099.74	1/2	3,741.29	1/2	3,382.56	1/2	3,023.83
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,805.64	3/4	4,448.95	3/4	4,092.31	3/4	3,733.81	3/4	3,375.09	3/4	3,016.36
8		8		8		8		8	4,798.20	8	4,441.52	8	4,084.88	8	3,726.34	8	3,367.61	8	3,008.89
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,790.77	1/4	4,434.09	1/4	4,077.45	1/4	3,718.87	1/4	3,360.14	1/4	3,001.41
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,783.33	1/2	4,426.66	1/2	4,070.02	1/2	3,711.39	1/2	3,352.67	1/2	2,993.94
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,775.90	3/4	4,419.23	3/4	4,062.59	3/4	3,703.92	3/4	3,345.19	3/4	2,986.46
9		9		9		9		9	4,768.47	9	4,411.80	9	4,055.13	9	3,696.45	9	3,337.72	9	2,978.99
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,761.03	1/4	4,404.37	1/4	4,047.67	1/4	3,688.97	1/4	3,330.25	1/4	2,971.52
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,753.60	1/2	4,396.94	1/2	4,040.21	1/2	3,681.50	1/2	3,322.77	1/2	2,964.04
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,746.16	3/4	4,389.51	3/4	4,032.75	3/4	3,674.03	3/4	3,315.30	3/4	2,956.57
10		10		10		10		10	4,738.73	10	4,382.08	10	4,025.28	10	3,666.55	10	3,307.83	10	2,949.10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,731.30	1/4	4,374.65	1/4	4,017.81	1/4	3,659.08	1/4	3,300.35	1/4	2,941.62
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,723.86	1/2	4,367.22	1/2	4,010.33	1/2	3,651.61	1/2	3,292.88	1/2	2,934.15
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,716.43	3/4	4,359.79	3/4	4,002.86	3/4	3,644.13	3/4	3,285.40	3/4	2,926.68
11		11		11		11		11	4,709.00	11	4,352.36	11	3,995.39	11	3,636.66	11	3,277.93	11	2,919.20
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,701.57	1/4	4,344.93	1/4	3,987.91	1/4	3,629.19	1/4	3,270.46	1/4	2,911.73
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,694.14	1/2	4,337.50	1/2	3,980.44	1/2	3,621.71	1/2	3,262.98	1/2	2,904.26
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,686.71	3/4	4,330.07	3/4	3,972.97	3/4	3,614.24	3/4	3,255.51	3/4	2,896.78

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 14'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "KIRBY 28089"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30045"

GAUGE HEIGHT 16'-11 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	2,530.54	0	2,171.60	0	1,812.66	0	1,453.72	0	1,094.78	0	736.23	0	377.30	0		0		0	
1/4	2,523.06	1/4	2,164.12	1/4	1,805.18	1/4	1,446.24	1/4	1,087.31	1/4	728.75	1/4	369.82	1/4	1/4		1/4		1/4
1/2	2,515.58	1/2	2,156.64	1/2	1,797.70	1/2	1,438.76	1/2	1,079.83	1/2	721.28	1/2	362.35	1/2	1/2		1/2		1/2
3/4	2,508.10	3/4	2,149.16	3/4	1,790.22	3/4	1,431.28	3/4	1,072.36	3/4	713.80	3/4	354.87	3/4	3/4		3/4		3/4
1	2,500.62	1	2,141.68	1	1,782.75	1	1,423.81	1	1,064.89	1	706.32	1	347.39	1	1		1		1
1/4	2,493.15	1/4	2,134.21	1/4	1,775.27	1/4	1,416.33	1/4	1,057.41	1/4	698.84	1/4	339.91	1/4	1/4		1/4		1/4
1/2	2,485.67	1/2	2,126.73	1/2	1,767.79	1/2	1,408.85	1/2	1,049.94	1/2	691.37	1/2	332.44	1/2	1/2		1/2		1/2
3/4	2,478.19	3/4	2,119.25	3/4	1,760.31	3/4	1,401.37	3/4	1,042.47	3/4	683.89	3/4	324.96	3/4	3/4		3/4		3/4
2	2,470.71	2	2,111.77	2	1,752.83	2	1,393.89	2	1,035.00	2	676.41	2	317.48	2	2		2		2
1/4	2,463.23	1/4	2,104.29	1/4	1,745.36	1/4	1,386.42	1/4	1,027.53	1/4	668.93	1/4	310.00	1/4	1/4		1/4		1/4
1/2	2,455.76	1/2	2,096.82	1/2	1,737.88	1/2	1,378.94	1/2	1,020.06	1/2	661.46	1/2	302.53	1/2	1/2		1/2		1/2
3/4	2,448.28	3/4	2,089.34	3/4	1,730.40	3/4	1,371.46	3/4	1,012.59	3/4	653.98	3/4	295.05	3/4	3/4		3/4		3/4
3	2,440.80	3	2,081.86	3	1,722.92	3	1,363.98	3	1,005.13	3	646.50	3	287.57	3	3		3		3
1/4	2,433.32	1/4	2,074.38	1/4	1,715.44	1/4	1,356.50	1/4	997.66	1/4	639.02	1/4	280.09	1/4	1/4		1/4		1/4
1/2	2,425.84	1/2	2,066.91	1/2	1,707.97	1/2	1,349.03	1/2	990.19	1/2	631.54	1/2	272.62	1/2	1/2		1/2		1/2
3/4	2,418.37	3/4	2,059.43	3/4	1,700.49	3/4	1,341.55	3/4	982.73	3/4	624.07	3/4	265.14	3/4	3/4		3/4		3/4
4	2,410.89	4	2,051.95	4	1,693.01	4	1,334.07	4	975.26	4	616.59	4	257.66	4	4		4		4
1/4	2,403.41	1/4	2,044.47	1/4	1,685.53	1/4	1,326.59	1/4	967.79	1/4	609.11	1/4	250.19	1/4	1/4		1/4		1/4
1/2	2,395.93	1/2	2,036.99	1/2	1,678.05	1/2	1,319.12	1/2	960.32	1/2	601.63	1/2	242.71	1/2	1/2		1/2		1/2
3/4	2,388.46	3/4	2,029.52	3/4	1,670.58	3/4	1,311.64	3/4	952.86	3/4	594.16	3/4	235.24	3/4	3/4		3/4		3/4
5	2,380.98	5	2,022.04	5	1,663.10	5	1,304.16	5	945.39	5	586.68	5	227.77	5	5		5		5
1/4	2,373.50	1/4	2,014.56	1/4	1,655.62	1/4	1,296.68	1/4	937.92	1/4	579.20	1/4	220.30	1/4	1/4		1/4		1/4
1/2	2,366.02	1/2	2,007.08	1/2	1,648.14	1/2	1,289.20	1/2	930.46	1/2	571.72	1/2	212.84	1/2	1/2		1/2		1/2
3/4	2,358.54	3/4	1,999.60	3/4	1,640.67	3/4	1,281.73	3/4	922.99	3/4	564.25	3/4	205.37	3/4	3/4		3/4		3/4
6	2,351.07	6	1,992.13	6	1,633.19	6	1,274.25	6	915.52	6	556.77	6	197.91	6	6		6		6
1/4	2,343.59	1/4	1,984.65	1/4	1,625.71	1/4	1,266.77	1/4	908.05	1/4	549.29	1/4	190.46	1/4	1/4		1/4		1/4
1/2	2,336.11	1/2	1,977.17	1/2	1,618.23	1/2	1,259.29	1/2	900.59	1/2	541.81	1/2	183.00	1/2	1/2		1/2		1/2
3/4	2,328.63	3/4	1,969.69	3/4	1,610.75	3/4	1,251.81	3/4	893.12	3/4	534.33	3/4	175.55	3/4	3/4		3/4		3/4
7	2,321.15	7	1,962.21	7	1,603.28	7	1,244.34	7	885.65	7	526.86	7	168.11	7	7		7		7
1/4	2,313.68	1/4	1,954.74	1/4	1,595.80	1/4	1,236.86	1/4	878.18	1/4	519.38	1/4	160.67	1/4	1/4		1/4		1/4
1/2	2,306.20	1/2	1,947.26	1/2	1,588.32	1/2	1,229.38	1/2	870.72	1/2	511.90	1/2	153.24	1/2	1/2		1/2		1/2
3/4	2,298.72	3/4	1,939.78	3/4	1,580.84	3/4	1,221.90	3/4	863.25	3/4	504.42	3/4	145.80	3/4	3/4		3/4		3/4
8	2,291.24	8	1,932.30	8	1,573.36	8	1,214.42	8	855.78	8	496.95	8	138.40	8	8		8		8
1/4	2,283.76	1/4	1,924.83	1/4	1,565.89	1/4	1,206.95	1/4	848.32	1/4	489.47	1/4	131.00	1/4	1/4		1/4		1/4
1/2	2,276.29	1/2	1,917.35	1/2	1,558.41	1/2	1,199.47	1/2	840.85	1/2	481.99	1/2	123.59	1/2	1/2		1/2		1/2
3/4	2,268.81	3/4	1,909.87	3/4	1,550.93	3/4	1,191.99	3/4	833.38	3/4	474.51	3/4	116.19	3/4	3/4		3/4		3/4
9	2,261.33	9	1,902.39	9	1,543.45	9	1,184.51	9	825.91	9	467.04	9	109.09	9	9		9		9
1/4	2,253.85	1/4	1,894.91	1/4	1,535.97	1/4	1,177.04	1/4	818.45	1/4	459.56	1/4	101.98	1/4	1/4		1/4		1/4
1/2	2,246.38	1/2	1,887.44	1/2	1,528.50	1/2	1,169.56	1/2	810.98	1/2	452.08	1/2	94.88	1/2	1/2		1/2		1/2
3/4	2,238.90	3/4	1,879.96	3/4	1,521.02	3/4	1,162.08	3/4	803.51	3/4	444.60	3/4	87.77	3/4	3/4		3/4		3/4
10	2,231.42	10	1,872.48	10	1,513.54	10	1,154.60	10	796.04	10	437.12	10	81.50	10	10		10		10
1/4	2,223.94	1/4	1,865.00	1/4	1,506.06	1/4	1,147.12	1/4	788.57	1/4	429.65	1/4	75.23	1/4	1/4		1/4		1/4
1/2	2,216.46	1/2	1,857.52	1/2	1,498.59	1/2	1,139.65	1/2	781.09	1/2	422.17	1/2	68.95	1/2	1/2		1/2		1/2
3/4	2,208.99	3/4	1,850.05	3/4	1,491.11	3/4	1,132.17	3/4	773.62	3/4	414.69	3/4	62.68	3/4	3/4		3/4		3/4
11	2,201.51	11	1,842.57	11	1,483.63	11	1,124.69	11	766.14	11	407.21	11	57.47	11	11		11		11
1/4	2,194.03	1/4	1,835.09	1/4	1,476.15	1/4	1,117.21	1/4	758.67	1/4	399.74	1/4	52.27	1/4	1/4		1/4		1/4
1/2	2,186.55	1/2	1,827.61	1/2	1,468.67	1/2	1,109.73	1/2	751.19	1/2	392.26	1/2	47.06	1/2	1/2		1/2		1/2
3/4	2,179.07	3/4	1,820.13	3/4	1,461.20	3/4	1,102.26	3/4	743.71	3/4	384.78	3/4	41.85	3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/30/2013 SW
CALCULATED: 04/30/2013 CL
VERIFIED: 08/03/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2023

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



BARGE "KIRBY 28089"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30045"

GAUGE HEIGHT 16'-11 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0		0	4,211.84	0	3,993.01	0	3,773.89	0	3,553.83	0	3,249.11	0	2,889.27
1/4		1/4		1/4		1/4		1/4	4,207.28	1/4	3,988.45	1/4	3,769.30	1/4	3,549.24	1/4	3,241.64	1/4	2,881.77
1/2		1/2		1/2		1/2		1/2	4,202.72	1/2	3,983.89	1/2	3,764.72	1/2	3,544.66	1/2	3,234.16	1/2	2,874.27
3/4		3/4		3/4		3/4		3/4	4,410.82	3/4	4,198.16	3/4	3,979.33	3/4	3,760.13	3/4	3,540.08	3/4	3,226.69
1		1		1		1		1	4,407.20	1	4,193.60	1	3,974.77	1	3,755.55	1	3,535.38	1	3,219.21
1/4		1/4		1/4		1/4		1/4	4,403.58	1/4	4,189.05	1/4	3,970.21	1/4	3,750.96	1/4	3,530.69	1/4	3,211.74
1/2		1/2		1/2		1/2		1/2	4,399.96	1/2	4,184.49	1/2	3,965.65	1/2	3,746.38	1/2	3,526.00	1/2	3,204.26
3/4		3/4		3/4		3/4		3/4	4,396.34	3/4	4,179.93	3/4	3,961.10	3/4	3,741.79	3/4	3,521.30	3/4	3,196.79
2		2		2		2		2	4,392.13	2	4,175.37	2	3,956.54	2	3,737.21	2	3,516.28	2	3,189.30
1/4		1/4		1/4		1/4		1/4	4,387.92	1/4	4,170.81	1/4	3,951.98	1/4	3,732.62	1/4	3,511.26	1/4	3,181.81
1/2		1/2		1/2		1/2		1/2	4,383.70	1/2	4,166.25	1/2	3,947.42	1/2	3,728.04	1/2	3,506.24	1/2	3,174.32
3/4		3/4		3/4		3/4		3/4	4,379.49	3/4	4,161.69	3/4	3,942.86	3/4	3,723.46	3/4	3,501.22	3/4	3,166.83
3		3		3		3		3	4,375.02	3	4,157.13	3	3,938.30	3	3,718.87	3	3,495.78	3	3,159.33
1/4		1/4		1/4		1/4		1/4	4,370.54	1/4	4,152.57	1/4	3,933.74	1/4	3,714.29	1/4	3,490.34	1/4	3,151.83
1/2		1/2		1/2		1/2		1/2	4,366.06	1/2	4,148.01	1/2	3,929.18	1/2	3,709.70	1/2	3,484.90	1/2	3,144.32
3/4		3/4		3/4		3/4		3/4	4,361.59	3/4	4,143.46	3/4	3,924.62	3/4	3,705.12	3/4	3,479.45	3/4	3,136.82
4		4		4		4		4	4,357.07	4	4,138.90	4	3,920.06	4	3,700.53	4	3,473.60	4	3,129.32
1/4		1/4		1/4		1/4		1/4	4,352.56	1/4	4,134.34	1/4	3,915.51	1/4	3,695.95	1/4	3,467.75	1/4	3,121.82
1/2		1/2		1/2		1/2		1/2	4,348.05	1/2	4,129.78	1/2	3,910.95	1/2	3,691.36	1/2	3,461.89	1/2	3,114.32
3/4		3/4		3/4		3/4		3/4	4,343.53	3/4	4,125.22	3/4	3,906.39	3/4	3,686.78	3/4	3,456.04	3/4	3,106.82
5		5		5		5		5	4,339.02	5	4,120.66	5	3,901.83	5	3,682.20	5	3,449.77	5	3,099.31
1/4		1/4		1/4		1/4		1/4	4,334.50	1/4	4,116.10	1/4	3,897.27	1/4	3,677.61	1/4	3,443.50	1/4	3,091.81
1/2		1/2		1/2		1/2		1/2	4,329.98	1/2	4,111.54	1/2	3,892.71	1/2	3,673.03	1/2	3,437.24	1/2	3,084.31
3/4		3/4		3/4		3/4		3/4	4,325.46	3/4	4,106.98	3/4	3,888.15	3/4	3,668.44	3/4	3,430.97	3/4	3,076.81
6		6		6		6		6	4,320.94	6	4,102.42	6	3,883.59	6	3,663.86	6	3,424.28	6	3,069.31
1/4		1/4		1/4		1/4		1/4	4,316.42	1/4	4,097.87	1/4	3,879.03	1/4	3,659.27	1/4	3,417.59	1/4	3,061.81
1/2		1/2		1/2		1/2		1/2	4,311.90	1/2	4,093.31	1/2	3,874.47	1/2	3,654.69	1/2	3,410.91	1/2	3,054.30
3/4		3/4		3/4		3/4		3/4	4,307.38	3/4	4,088.75	3/4	3,869.92	3/4	3,650.10	3/4	3,404.22	3/4	3,046.80
7		7		7		7		7	4,302.86	7	4,084.19	7	3,865.36	7	3,645.52	7	3,397.11	7	3,039.30
1/4		1/4		1/4		1/4		1/4	4,298.34	1/4	4,079.63	1/4	3,860.80	1/4	3,640.93	1/4	3,390.01	1/4	3,031.80
1/2		1/2		1/2		1/2		1/2	4,293.82	1/2	4,075.07	1/2	3,856.24	1/2	3,636.35	1/2	3,382.90	1/2	3,024.30
3/4		3/4		3/4		3/4		3/4	4,289.30	3/4	4,070.51	3/4	3,851.68	3/4	3,631.77	3/4	3,375.79	3/4	3,016.80
8		8		8		8		8	4,284.76	8	4,065.95	8	3,847.12	8	3,627.18	8	3,368.41	8	3,009.30
1/4		1/4		1/4		1/4		1/4	4,280.21	1/4	4,061.39	1/4	3,842.56	1/4	3,622.60	1/4	3,361.02	1/4	3,001.79
1/2		1/2		1/2		1/2		1/2	4,275.67	1/2	4,056.83	1/2	3,838.00	1/2	3,618.01	1/2	3,353.63	1/2	2,994.29
3/4		3/4		3/4		3/4		3/4	4,271.12	3/4	4,052.28	3/4	3,833.44	3/4	3,613.43	3/4	3,346.24	3/4	2,986.79
9		9		9		9		9	4,266.56	9	4,047.72	9	3,828.87	9	3,608.84	9	3,338.78	9	2,979.29
1/4		1/4		1/4		1/4		1/4	4,262.00	1/4	4,043.16	1/4	3,824.29	1/4	3,604.26	1/4	3,331.31	1/4	2,971.79
1/2		1/2		1/2		1/2		1/2	4,257.44	1/2	4,038.60	1/2	3,819.72	1/2	3,599.67	1/2	3,323.84	1/2	2,964.29
3/4		3/4		3/4		3/4		3/4	4,252.87	3/4	4,034.04	3/4	3,815.15	3/4	3,595.09	3/4	3,316.38	3/4	2,956.78
10		10		10		10		10	4,248.31	10	4,029.48	10	3,810.56	10	3,590.51	10	3,308.90	10	2,949.28
1/4		1/4		1/4		1/4		1/4	4,243.75	1/4	4,024.92	1/4	3,805.98	1/4	3,585.92	1/4	3,301.43	1/4	2,941.78
1/2		1/2		1/2		1/2		1/2	4,239.19	1/2	4,020.36	1/2	3,801.39	1/2	3,581.34	1/2	3,293.96	1/2	2,934.28
3/4		3/4		3/4		3/4		3/4	4,234.64	3/4	4,015.80	3/4	3,796.81	3/4	3,576.75	3/4	3,286.48	3/4	2,926.78
11		11		11		11		11	4,230.08	11	4,011.24	11	3,792.22	11	3,572.17	11	3,279.01	11	2,919.28
1/4		1/4		1/4		1/4		1/4	4,225.52	1/4	4,006.69	1/4	3,787.64	1/4	3,567.58	1/4	3,271.54	1/4	2,911.77
1/2		1/2		1/2		1/2		1/2	4,220.96	1/2	4,002.13	1/2	3,783.05	1/2	3,563.00	1/2	3,264.06	1/2	2,904.27
3/4		3/4		3/4		3/4		3/4	4,216.40	3/4	3,997.57	3/4	3,778.47	3/4	3,558.41	3/4	3,256.59	3/4	2,896.77

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 14'-06" OFF CENTERLINE AND 42'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "KIRBY 28089"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30045"

GAUGE HEIGHT 16'-11 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	2,529.02	0	2,168.79	0	1,808.67	0	1,448.22	0	1,089.34	0	740.43	0	379.68	0		0		0	
1/4	2,521.51	1/4	2,161.30	1/4	1,801.16	1/4	1,440.71	1/4	1,082.04	1/4	732.94	1/4	372.16	1/4	1/4		1/4		1/4
1/2	2,514.00	1/2	2,153.80	1/2	1,793.65	1/2	1,433.20	1/2	1,074.75	1/2	725.45	1/2	364.63	1/2	1/2		1/2		1/2
3/4	2,506.48	3/4	2,146.30	3/4	1,786.14	3/4	1,425.69	3/4	1,067.46	3/4	717.96	3/4	357.10	3/4	3/4		3/4		3/4
1	2,498.97	1	2,138.81	1	1,778.63	1	1,418.18	1	1,060.17	1	710.44	1	349.57	1	1		1		1
1/4	2,491.46	1/4	2,131.31	1/4	1,771.12	1/4	1,410.67	1/4	1,052.88	1/4	702.93	1/4	342.05	1/4	1/4		1/4		1/4
1/2	2,483.94	1/2	2,123.82	1/2	1,763.61	1/2	1,403.16	1/2	1,045.60	1/2	695.41	1/2	334.52	1/2	1/2		1/2		1/2
3/4	2,476.43	3/4	2,116.32	3/4	1,756.10	3/4	1,395.65	3/4	1,038.31	3/4	687.90	3/4	326.99	3/4	3/4		3/4		3/4
2	2,468.92	2	2,108.82	2	1,748.59	2	1,388.14	2	1,031.06	2	680.38	2	319.47	2	2		2		2
1/4	2,461.41	1/4	2,101.33	1/4	1,741.08	1/4	1,380.63	1/4	1,023.82	1/4	672.86	1/4	311.94	1/4	1/4		1/4		1/4
1/2	2,453.89	1/2	2,093.83	1/2	1,733.57	1/2	1,373.13	1/2	1,016.57	1/2	665.35	1/2	304.41	1/2	1/2		1/2		1/2
3/4	2,446.38	3/4	2,086.34	3/4	1,726.06	3/4	1,365.62	3/4	1,009.33	3/4	657.83	3/4	296.89	3/4	3/4		3/4		3/4
3	2,438.87	3	2,078.84	3	1,718.55	3	1,358.11	3	1,002.11	3	650.32	3	289.36	3	3		3		3
1/4	2,431.35	1/4	2,071.34	1/4	1,711.04	1/4	1,350.60	1/4	994.89	1/4	642.80	1/4	281.83	1/4	1/4		1/4		1/4
1/2	2,423.84	1/2	2,063.85	1/2	1,703.53	1/2	1,343.09	1/2	987.67	1/2	635.29	1/2	274.31	1/2	1/2		1/2		1/2
3/4	2,416.33	3/4	2,056.35	3/4	1,696.03	3/4	1,335.58	3/4	980.45	3/4	627.77	3/4	266.78	3/4	3/4		3/4		3/4
4	2,408.81	4	2,048.86	4	1,688.52	4	1,328.07	4	973.23	4	620.26	4	259.26	4	4		4		4
1/4	2,401.30	1/4	2,041.36	1/4	1,681.01	1/4	1,320.56	1/4	966.01	1/4	612.74	1/4	251.73	1/4	1/4		1/4		1/4
1/2	2,393.79	1/2	2,033.86	1/2	1,673.50	1/2	1,313.05	1/2	958.79	1/2	605.23	1/2	244.21	1/2	1/2		1/2		1/2
3/4	2,386.27	3/4	2,026.37	3/4	1,665.99	3/4	1,305.54	3/4	951.57	3/4	597.71	3/4	236.68	3/4	3/4		3/4		3/4
5	2,378.76	5	2,018.87	5	1,658.48	5	1,298.03	5	944.35	5	590.20	5	229.17	5	5		5		5
1/4	2,371.25	1/4	2,011.37	1/4	1,650.97	1/4	1,290.52	1/4	937.13	1/4	582.68	1/4	221.65	1/4	1/4		1/4		1/4
1/2	2,363.74	1/2	2,003.88	1/2	1,643.46	1/2	1,283.01	1/2	929.91	1/2	575.17	1/2	214.13	1/2	1/2		1/2		1/2
3/4	2,356.22	3/4	1,996.38	3/4	1,635.95	3/4	1,275.50	3/4	922.69	3/4	567.65	3/4	206.61	3/4	3/4		3/4		3/4
6	2,348.72	6	1,988.88	6	1,628.44	6	1,268.00	6	915.47	6	560.14	6	199.11	6	6		6		6
1/4	2,341.22	1/4	1,981.37	1/4	1,620.93	1/4	1,260.49	1/4	908.25	1/4	552.62	1/4	191.60	1/4	1/4		1/4		1/4
1/2	2,333.71	1/2	1,973.87	1/2	1,613.42	1/2	1,252.98	1/2	901.03	1/2	545.11	1/2	184.10	1/2	1/2		1/2		1/2
3/4	2,326.21	3/4	1,966.36	3/4	1,605.91	3/4	1,245.47	3/4	893.81	3/4	537.59	3/4	176.60	3/4	3/4		3/4		3/4
7	2,318.71	7	1,958.85	7	1,598.40	7	1,237.96	7	886.59	7	530.08	7	169.11	7	7		7		7
1/4	2,311.22	1/4	1,951.34	1/4	1,590.90	1/4	1,230.45	1/4	879.37	1/4	522.56	1/4	161.63	1/4	1/4		1/4		1/4
1/2	2,303.72	1/2	1,943.83	1/2	1,583.39	1/2	1,222.94	1/2	872.15	1/2	515.05	1/2	154.14	1/2	1/2		1/2		1/2
3/4	2,296.23	3/4	1,936.32	3/4	1,575.88	3/4	1,215.43	3/4	864.93	3/4	507.53	3/4	146.66	3/4	3/4		3/4		3/4
8	2,288.73	8	1,928.81	8	1,568.37	8	1,207.92	8	857.71	8	500.02	8	139.20	8	8		8		8
1/4	2,281.23	1/4	1,921.30	1/4	1,560.86	1/4	1,200.41	1/4	850.49	1/4	492.50	1/4	131.75	1/4	1/4		1/4		1/4
1/2	2,273.74	1/2	1,913.80	1/2	1,553.35	1/2	1,192.90	1/2	843.27	1/2	484.98	1/2	124.30	1/2	1/2		1/2		1/2
3/4	2,266.24	3/4	1,906.29	3/4	1,545.84	3/4	1,185.39	3/4	836.05	3/4	477.47	3/4	116.85	3/4	3/4		3/4		3/4
9	2,258.75	9	1,898.78	9	1,538.33	9	1,177.88	9	828.84	9	469.95	9	109.70	9	9		9		9
1/4	2,251.25	1/4	1,891.27	1/4	1,530.82	1/4	1,170.37	1/4	821.62	1/4	462.44	1/4	102.55	1/4	1/4		1/4		1/4
1/2	2,243.75	1/2	1,883.76	1/2	1,523.31	1/2	1,162.87	1/2	814.40	1/2	454.92	1/2	95.39	1/2	1/2		1/2		1/2
3/4	2,236.26	3/4	1,876.25	3/4	1,515.80	3/4	1,155.36	3/4	807.18	3/4	447.41	3/4	88.24	3/4	3/4		3/4		3/4
10	2,228.76	10	1,868.74	10	1,508.29	10	1,147.98	10	799.81	10	439.89	10	81.93	10	10		10		10
1/4	2,221.27	1/4	1,861.23	1/4	1,500.78	1/4	1,140.60	1/4	792.45	1/4	432.36	1/4	75.61	1/4	1/4		1/4		1/4
1/2	2,213.77	1/2	1,853.72	1/2	1,493.27	1/2	1,133.22	1/2	785.09	1/2	424.84	1/2	69.30	1/2	1/2		1/2		1/2
3/4	2,206.27	3/4	1,846.21	3/4	1,485.77	3/4	1,125.84	3/4	777.72	3/4	417.32	3/4	62.99	3/4	3/4		3/4		3/4
11	2,198.78	11	1,838.70	11	1,478.26	11	1,118.54	11	770.27	11	409.79	11	57.75	11	11		11		11
1/4	2,191.28	1/4	1,831.19	1/4	1,470.75	1/4	1,111.23	1/4	762.82	1/4	402.26	1/4	52.52	1/4	1/4		1/4		1/4
1/2	2,183.78	1/2	1,823.68	1/2	1,463.24	1/2	1,103.93	1/2	755.37	1/2	394.74	1/2	47.28	1/2	1/2		1/2		1/2
3/4	2,176.29	3/4	1,816.17	3/4	1,455.73	3/4	1,096.63	3/4	747.92	3/4	387.21	3/4	42.05	3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/30/2013 SW
CALCULATED: 04/30/2013 CL
VERIFIED: 08/03/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2023

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



BARGE "KIRBY 28089"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30045"

GAUGE HEIGHT 16'-11 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	2,547.19	0	2,185.88	0	1,824.57	0	1,463.26	0	1,101.95	0	741.10	0	379.80	0		0		0	
1/4	2,539.66	1/4	2,178.35	1/4	1,817.04	1/4	1,455.73	1/4	1,094.43	1/4	733.57	1/4	372.27	1/4	1/4	1/4		1/4	1/4
1/2	2,532.13	1/2	2,170.82	1/2	1,809.51	1/2	1,448.20	1/2	1,086.91	1/2	726.04	1/2	364.74	1/2	1/2	1/2		1/2	1/2
3/4	2,524.61	3/4	2,163.30	3/4	1,801.99	3/4	1,440.68	3/4	1,079.38	3/4	718.52	3/4	357.22	3/4	3/4	3/4		3/4	3/4
1	2,517.08	1	2,155.77	1	1,794.46	1	1,433.15	1	1,071.86	1	710.99	1	349.69	1	1	1		1	1
1/4	2,509.55	1/4	2,148.24	1/4	1,786.93	1/4	1,425.62	1/4	1,064.34	1/4	703.46	1/4	342.16	1/4	1/4	1/4		1/4	1/4
1/2	2,502.03	1/2	2,140.72	1/2	1,779.40	1/2	1,418.09	1/2	1,056.83	1/2	695.94	1/2	334.63	1/2	1/2	1/2		1/2	1/2
3/4	2,494.50	3/4	2,133.19	3/4	1,771.88	3/4	1,410.57	3/4	1,049.31	3/4	688.41	3/4	327.11	3/4	3/4	3/4		3/4	3/4
2	2,486.97	2	2,125.66	2	1,764.35	2	1,403.04	2	1,041.79	2	680.88	2	319.58	2	2	2		2	2
1/4	2,479.44	1/4	2,118.13	1/4	1,756.82	1/4	1,395.51	1/4	1,034.27	1/4	673.35	1/4	312.05	1/4	1/4	1/4		1/4	1/4
1/2	2,471.92	1/2	2,110.61	1/2	1,749.30	1/2	1,387.99	1/2	1,026.75	1/2	665.83	1/2	304.53	1/2	1/2	1/2		1/2	1/2
3/4	2,464.39	3/4	2,103.08	3/4	1,741.77	3/4	1,380.46	3/4	1,019.24	3/4	658.30	3/4	297.00	3/4	3/4	3/4		3/4	3/4
3	2,456.86	3	2,095.55	3	1,734.24	3	1,372.93	3	1,011.72	3	650.77	3	289.47	3	3	3		3	3
1/4	2,449.33	1/4	2,088.02	1/4	1,726.71	1/4	1,365.40	1/4	1,004.21	1/4	643.25	1/4	281.95	1/4	1/4	1/4		1/4	1/4
1/2	2,441.81	1/2	2,080.50	1/2	1,719.19	1/2	1,357.88	1/2	996.69	1/2	635.72	1/2	274.42	1/2	1/2	1/2		1/2	1/2
3/4	2,434.28	3/4	2,072.97	3/4	1,711.66	3/4	1,350.35	3/4	989.18	3/4	628.19	3/4	266.89	3/4	3/4	3/4		3/4	3/4
4	2,426.75	4	2,065.44	4	1,704.13	4	1,342.82	4	981.66	4	620.66	4	259.37	4	4	4		4	4
1/4	2,419.23	1/4	2,057.91	1/4	1,696.60	1/4	1,335.29	1/4	974.15	1/4	613.14	1/4	251.84	1/4	1/4	1/4		1/4	1/4
1/2	2,411.70	1/2	2,050.39	1/2	1,689.08	1/2	1,327.77	1/2	966.63	1/2	605.61	1/2	244.32	1/2	1/2	1/2		1/2	1/2
3/4	2,404.17	3/4	2,042.86	3/4	1,681.55	3/4	1,320.24	3/4	959.12	3/4	598.08	3/4	236.79	3/4	3/4	3/4		3/4	3/4
5	2,396.64	5	2,035.33	5	1,674.02	5	1,312.71	5	951.60	5	590.56	5	229.28	5	5	5		5	5
1/4	2,389.12	1/4	2,027.81	1/4	1,666.50	1/4	1,305.18	1/4	944.09	1/4	583.03	1/4	221.76	1/4	1/4	1/4		1/4	1/4
1/2	2,381.59	1/2	2,020.28	1/2	1,658.97	1/2	1,297.66	1/2	936.58	1/2	575.50	1/2	214.24	1/2	1/2	1/2		1/2	1/2
3/4	2,374.06	3/4	2,012.75	3/4	1,651.44	3/4	1,290.13	3/4	929.06	3/4	567.97	3/4	206.73	3/4	3/4	3/4		3/4	3/4
6	2,366.53	6	2,005.22	6	1,643.91	6	1,282.60	6	921.55	6	560.45	6	199.22	6	6	6		6	6
1/4	2,359.01	1/4	1,997.70	1/4	1,636.39	1/4	1,275.08	1/4	914.03	1/4	552.92	1/4	191.72	1/4	1/4	1/4		1/4	1/4
1/2	2,351.48	1/2	1,990.17	1/2	1,628.86	1/2	1,267.55	1/2	906.52	1/2	545.39	1/2	184.21	1/2	1/2	1/2		1/2	1/2
3/4	2,343.95	3/4	1,982.64	3/4	1,621.33	3/4	1,260.02	3/4	899.00	3/4	537.87	3/4	176.71	3/4	3/4	3/4		3/4	3/4
7	2,336.43	7	1,975.11	7	1,613.80	7	1,252.49	7	891.49	7	530.34	7	169.22	7	7	7		7	7
1/4	2,328.90	1/4	1,967.59	1/4	1,606.28	1/4	1,244.97	1/4	883.97	1/4	522.81	1/4	161.74	1/4	1/4	1/4		1/4	1/4
1/2	2,321.37	1/2	1,960.06	1/2	1,598.75	1/2	1,237.44	1/2	876.46	1/2	515.28	1/2	154.25	1/2	1/2	1/2		1/2	1/2
3/4	2,313.84	3/4	1,952.53	3/4	1,591.22	3/4	1,229.91	3/4	868.94	3/4	507.76	3/4	146.77	3/4	3/4	3/4		3/4	3/4
8	2,306.32	8	1,945.01	8	1,583.70	8	1,222.38	8	861.43	8	500.23	8	139.31	8	8	8		8	8
1/4	2,298.79	1/4	1,937.48	1/4	1,576.17	1/4	1,214.86	1/4	853.91	1/4	492.70	1/4	131.86	1/4	1/4	1/4		1/4	1/4
1/2	2,291.26	1/2	1,929.95	1/2	1,568.64	1/2	1,207.33	1/2	846.40	1/2	485.18	1/2	124.41	1/2	1/2	1/2		1/2	1/2
3/4	2,283.73	3/4	1,922.42	3/4	1,561.11	3/4	1,199.80	3/4	838.88	3/4	477.65	3/4	116.96	3/4	3/4	3/4		3/4	3/4
9	2,276.21	9	1,914.90	9	1,553.59	9	1,192.28	9	831.37	9	470.12	9	109.81	9	9	9		9	9
1/4	2,268.68	1/4	1,907.37	1/4	1,546.06	1/4	1,184.75	1/4	823.85	1/4	462.59	1/4	102.65	1/4	1/4	1/4		1/4	1/4
1/2	2,261.15	1/2	1,899.84	1/2	1,538.53	1/2	1,177.22	1/2	816.34	1/2	455.07	1/2	95.50	1/2	1/2	1/2		1/2	1/2
3/4	2,253.62	3/4	1,892.31	3/4	1,531.00	3/4	1,169.69	3/4	808.83	3/4	447.54	3/4	88.35	3/4	3/4	3/4		3/4	3/4
10	2,246.10	10	1,884.79	10	1,523.48	10	1,162.17	10	801.30	10	440.01	10	82.04	10	10	10		10	10
1/4	2,238.57	1/4	1,877.26	1/4	1,515.95	1/4	1,154.64	1/4	793.78	1/4	432.49	1/4	75.72	1/4	1/4	1/4		1/4	1/4
1/2	2,231.04	1/2	1,869.73	1/2	1,508.42	1/2	1,147.11	1/2	786.26	1/2	424.96	1/2	69.41	1/2	1/2	1/2		1/2	1/2
3/4	2,223.52	3/4	1,862.21	3/4	1,500.89	3/4	1,139.58	3/4	778.73	3/4	417.43	3/4	63.09	3/4	3/4	3/4		3/4	3/4
11	2,215.99	11	1,854.68	11	1,493.37	11	1,132.06	11	771.21	11	409.91	11	57.85	11	11	11		11	11
1/4	2,208.46	1/4	1,847.15	1/4	1,485.84	1/4	1,124.53	1/4	763.68	1/4	402.38	1/4	52.61	1/4	1/4	1/4		1/4	1/4
1/2	2,200.93	1/2	1,839.62	1/2	1,478.31	1/2	1,117.00	1/2	756.15	1/2	394.85	1/2	47.37	1/2	1/2	1/2		1/2	1/2
3/4	2,193.41	3/4	1,832.10	3/4	1,470.79	3/4	1,109.48	3/4	748.62	3/4	387.32	3/4	42.13	3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/30/2013 SW
CALCULATED: 04/30/2013 CL
VERIFIED: 08/03/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.
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