



BARGE "KIRBY 29140"

ULLAGE TRIM TABLE

FORMERLY "SMS 30010"

	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	00-1/4	- 00-1/4	00-1/4	- 00-1/4
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	00-1/4	- 00-1/4	00-1/4	- 00-1/4
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 2'-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 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 237'-00"

February 28, 2024

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 29140"

1 PORT ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30010"

GAUGE HEIGHT 16'-04 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	5,077.84	0	4,755.43	0	4,397.78	0	4,040.13	0	3,682.48	0	3,324.83	0	2,967.19	0	2,609.54
1/4		1/4		1/4	5,074.73	1/4	4,747.98	1/4	4,390.33	1/4	4,032.68	1/4	3,675.03	1/4	3,317.38	1/4	2,959.74	1/4	2,602.09
1/2		1/2		1/2	5,071.62	1/2	4,740.52	1/2	4,382.87	1/2	4,025.23	1/2	3,667.58	1/2	3,309.93	1/2	2,952.28	1/2	2,594.63
3/4		3/4		3/4	5,068.51	3/4	4,733.07	3/4	4,375.42	3/4	4,017.78	3/4	3,660.13	3/4	3,302.48	3/4	2,944.83	3/4	2,587.18
1		1		1	5,064.15	1	4,725.62	1	4,367.97	1	4,010.33	1	3,652.68	1	3,295.03	1	2,937.38	1	2,579.73
1/4		1/4		1/4	5,059.80	1/4	4,718.17	1/4	4,360.52	1/4	4,002.88	1/4	3,645.23	1/4	3,287.58	1/4	2,929.93	1/4	2,572.28
1/2		1/2		1/2	5,055.44	1/2	4,710.72	1/2	4,353.07	1/2	3,995.42	1/2	3,637.77	1/2	3,280.13	1/2	2,922.48	1/2	2,564.83
3/4		3/4		3/4	5,051.08	3/4	4,703.27	3/4	4,345.62	3/4	3,987.97	3/4	3,630.32	3/4	3,272.68	3/4	2,915.03	3/4	2,557.38
2		2		2	5,045.48	2	4,695.82	2	4,338.17	2	3,980.52	2	3,622.87	2	3,265.23	2	2,907.58	2	2,549.93
1/4		1/4		1/4	5,039.88	1/4	4,688.37	1/4	4,330.72	1/4	3,973.07	1/4	3,615.42	1/4	3,257.78	1/4	2,900.13	1/4	2,542.48
1/2		1/2		1/2	5,034.28	1/2	4,680.91	1/2	4,323.27	1/2	3,965.62	1/2	3,607.97	1/2	3,250.32	1/2	2,892.67	1/2	2,535.03
3/4		3/4		3/4	5,028.68	3/4	4,673.46	3/4	4,315.82	3/4	3,958.17	3/4	3,600.52	3/4	3,242.87	3/4	2,885.22	3/4	2,527.58
3		3		3	5,021.84	3	4,666.01	3	4,308.37	3	3,950.72	3	3,593.07	3	3,235.42	3	2,877.77	3	2,520.13
1/4		1/4		1/4	5,015.00	1/4	4,658.56	1/4	4,300.92	1/4	3,943.27	1/4	3,585.62	1/4	3,227.97	1/4	2,870.32	1/4	2,512.68
1/2		1/2		1/2	5,008.15	1/2	4,651.11	1/2	4,293.46	1/2	3,935.81	1/2	3,578.17	1/2	3,220.52	1/2	2,862.87	1/2	2,505.22
3/4		3/4		3/4	5,001.31	3/4	4,643.66	3/4	4,286.01	3/4	3,928.36	3/4	3,570.72	3/4	3,213.07	3/4	2,855.42	3/4	2,497.77
4		4		4	4,993.86	4	4,636.21	4	4,278.56	4	3,920.91	4	3,563.27	4	3,205.62	4	2,847.97	4	2,490.32
1/4		1/4		1/4	4,986.41	1/4	4,628.76	1/4	4,271.11	1/4	3,913.46	1/4	3,555.82	1/4	3,198.17	1/4	2,840.52	1/4	2,482.87
1/2		1/2		1/2	4,978.95	1/2	4,621.31	1/2	4,263.66	1/2	3,906.01	1/2	3,548.36	1/2	3,190.71	1/2	2,833.07	1/2	2,475.42
3/4		3/4		3/4	4,971.50	3/4	4,613.86	3/4	4,256.21	3/4	3,898.56	3/4	3,540.91	3/4	3,183.26	3/4	2,825.62	3/4	2,467.97
5		5		5	4,964.05	5	4,606.41	5	4,248.76	5	3,891.11	5	3,533.46	5	3,175.81	5	2,818.17	5	2,460.52
1/4		1/4		1/4	4,956.60	1/4	4,598.96	1/4	4,241.30	1/4	3,883.66	1/4	3,526.01	1/4	3,168.36	1/4	2,810.72	1/4	2,453.07
1/2		1/2		1/2	4,949.15	1/2	4,591.50	1/2	4,233.85	1/2	3,876.21	1/2	3,518.56	1/2	3,160.91	1/2	2,803.26	1/2	2,445.61
3/4		3/4		3/4	4,941.70	3/4	4,584.05	3/4	4,226.40	3/4	3,868.76	3/4	3,511.11	3/4	3,153.46	3/4	2,795.81	3/4	2,438.16
6		6		6	4,934.25	6	4,576.60	6	4,218.95	6	3,861.31	6	3,503.66	6	3,146.01	6	2,788.36	6	2,430.71
1/4		1/4		1/4	4,926.80	1/4	4,569.15	1/4	4,211.50	1/4	3,853.86	1/4	3,496.21	1/4	3,138.56	1/4	2,780.91	1/4	2,423.26
1/2		1/2		1/2	4,919.35	1/2	4,561.70	1/2	4,204.05	1/2	3,846.40	1/2	3,488.75	1/2	3,131.11	1/2	2,773.46	1/2	2,415.81
3/4		3/4		3/4	4,911.90	3/4	4,554.25	3/4	4,196.60	3/4	3,838.95	3/4	3,481.30	3/4	3,123.66	3/4	2,766.01	3/4	2,408.36
7		7		7	4,904.45	7	4,546.80	7	4,189.15	7	3,831.50	7	3,473.85	7	3,116.21	7	2,758.56	7	2,400.91
1/4		1/4		1/4	4,897.00	1/4	4,539.35	1/4	4,181.70	1/4	3,824.05	1/4	3,466.40	1/4	3,108.76	1/4	2,751.11	1/4	2,393.46
1/2		1/2		1/2	4,889.54	1/2	4,531.89	1/2	4,174.25	1/2	3,816.60	1/2	3,458.95	1/2	3,101.30	1/2	2,743.65	1/2	2,386.01
3/4		3/4		3/4	4,882.09	3/4	4,524.44	3/4	4,166.80	3/4	3,809.15	3/4	3,451.50	3/4	3,093.85	3/4	2,736.20	3/4	2,378.56
8		8		8	4,874.64	8	4,516.99	8	4,159.35	8	3,801.70	8	3,444.05	8	3,086.40	8	2,728.75	8	2,371.11
1/4		1/4		1/4	4,867.19	1/4	4,509.54	1/4	4,151.89	1/4	3,794.25	1/4	3,436.60	1/4	3,078.95	1/4	2,721.30	1/4	2,363.66
1/2		1/2		1/2	4,859.74	1/2	4,502.09	1/2	4,144.44	1/2	3,786.79	1/2	3,429.15	1/2	3,071.50	1/2	2,713.85	1/2	2,356.20
3/4		3/4		3/4	4,852.29	3/4	4,494.64	3/4	4,136.99	3/4	3,779.34	3/4	3,421.70	3/4	3,064.05	3/4	2,706.40	3/4	2,348.75
9		9		9	4,844.84	9	4,487.19	9	4,129.54	9	3,771.89	9	3,414.25	9	3,056.60	9	2,698.95	9	2,341.30
1/4		1/4		1/4	4,837.39	1/4	4,479.74	1/4	4,122.09	1/4	3,764.44	1/4	3,406.80	1/4	3,049.15	1/4	2,691.50	1/4	2,333.85
1/2		1/2		1/2	4,829.93	1/2	4,472.29	1/2	4,114.64	1/2	3,756.99	1/2	3,399.34	1/2	3,041.69	1/2	2,684.05	1/2	2,326.40
3/4		3/4		3/4	5,090.91	3/4	4,822.48	3/4	4,464.84	3/4	4,107.19	3/4	3,749.54	3/4	3,391.89	3/4	3,034.24	3/4	2,676.60
10		10		10	5,090.29	10	4,815.03	10	4,457.39	10	4,099.74	10	3,742.09	10	3,384.44	10	3,026.79	10	2,669.15
1/4		1/4		1/4	5,089.67	1/4	4,807.58	1/4	4,449.94	1/4	4,092.28	1/4	3,734.64	1/4	3,376.99	1/4	3,019.34	1/4	2,661.70
1/2		1/2		1/2	5,089.04	1/2	4,800.13	1/2	4,442.48	1/2	4,084.83	1/2	3,727.19	1/2	3,369.54	1/2	3,011.89	1/2	2,654.24
3/4		3/4		3/4	5,088.42	3/4	4,792.68	3/4	4,435.03	3/4	4,077.38	3/4	3,719.74	3/4	3,362.09	3/4	3,004.44	3/4	2,646.79
11		11		11	5,086.55	11	4,785.23	11	4,427.58	11	4,069.93	11	3,712.29	11	2,996.99	11	2,639.34	11	2,281.69
1/4		1/4		1/4	5,084.69	1/4	4,777.78	1/4	4,420.13	1/4	4,062.48	1/4	3,704.84	1/4	2,989.54	1/4	2,631.89	1/4	2,274.24
1/2		1/2		1/2	5,082.82	1/2	4,770.33	1/2	4,412.68	1/2	4,055.03	1/2	3,697.38	1/2	2,982.09	1/2	2,624.44	1/2	2,266.79
3/4		3/4		3/4	5,080.95	3/4	4,762.88	3/4	4,405.23	3/4	4,047.58	3/4	3,689.93	3/4	2,974.64	3/4	2,616.99	3/4	2,259.34

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 TO THE TOP LIP OF "MMC" VALVE.
 GAUGE POINT: (MMC) LOCATED 12'-09" OFF CENTERLINE AND 43'-01" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588
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BARGE "KIRBY 29140"

1 PORT ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30010"

GAUGE HEIGHT 16'-04 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	2,251.89	0	1,894.24	0	1,536.59	0	1,180.45	0	821.30	0	463.89	0	127.14	0		0		0	
1/4	2,244.44	1/4	1,886.79	1/4	1,529.14	1/4	1,172.50	1/4	813.85	1/4	456.48	1/4	120.49	1/4		1/4		1/4	
1/2	2,236.99	1/2	1,879.34	1/2	1,521.69	1/2	1,164.54	1/2	806.39	1/2	449.08	1/2	113.83	1/2		1/2		1/2	
3/4	2,229.54	3/4	1,871.89	3/4	1,514.24	3/4	1,156.59	3/4	798.94	3/4	441.67	3/4	107.17	3/4		3/4		3/4	
1	2,222.09	1	1,864.44	1	1,506.79	1	1,149.14	1	791.49	1	434.39	1	100.64	1		1		1	
1/4	2,214.64	1/4	1,856.99	1/4	1,499.34	1/4	1,141.69	1/4	784.04	1/4	427.11	1/4	94.11	1/4		1/4		1/4	
1/2	2,207.18	1/2	1,849.53	1/2	1,491.89	1/2	1,134.24	1/2	776.59	1/2	419.83	1/2	87.57	1/2		1/2		1/2	
3/4	2,199.73	3/4	1,842.08	3/4	1,484.44	3/4	1,126.79	3/4	769.14	3/4	412.55	3/4	81.04	3/4		3/4		3/4	
2	2,192.28	2	1,834.63	2	1,476.99	2	1,119.34	2	761.69	2	405.27	2	74.51	2		2		2	
1/4	2,184.83	1/4	1,827.18	1/4	1,469.54	1/4	1,111.89	1/4	754.24	1/4	397.99	1/4	67.97	1/4		1/4		1/4	
1/2	2,177.38	1/2	1,819.73	1/2	1,462.08	1/2	1,104.43	1/2	746.79	1/2	390.71	1/2	61.44	1/2		1/2		1/2	
3/4	2,169.93	3/4	1,812.28	3/4	1,454.63	3/4	1,096.98	3/4	739.34	3/4	383.43	3/4	54.90	3/4		3/4		3/4	
3	2,162.48	3	1,804.83	3	1,447.18	3	1,089.53	3	731.89	3	376.28	3	49.23	3		3		3	
1/4	2,155.03	1/4	1,797.38	1/4	1,439.73	1/4	1,082.08	1/4	724.44	1/4	369.12	1/4	43.55	1/4		1/4		1/4	
1/2	2,147.57	1/2	1,789.93	1/2	1,432.28	1/2	1,074.63	1/2	716.98	1/2	361.97	1/2	37.88	1/2		1/2		1/2	
3/4	2,140.12	3/4	1,782.48	3/4	1,424.83	3/4	1,067.18	3/4	709.53	3/4	354.81	3/4	32.20	3/4		3/4		3/4	
4	2,132.67	4	1,775.03	4	1,417.38	4	1,059.73	4	702.08	4	347.66	4	27.99	4		4		4	
1/4	2,125.22	1/4	1,767.58	1/4	1,409.93	1/4	1,052.28	1/4	694.63	1/4	340.50	1/4	23.78	1/4		1/4		1/4	
1/2	2,117.77	1/2	1,760.12	1/2	1,402.47	1/2	1,044.83	1/2	687.18	1/2	333.35	1/2	19.57	1/2		1/2		1/2	
3/4	2,110.32	3/4	1,752.67	3/4	1,395.02	3/4	1,037.38	3/4	679.73	3/4	326.19	3/4	15.36	3/4		3/4		3/4	
5	2,102.87	5	1,745.22	5	1,387.57	5	1,029.93	5	672.28	5	319.16	5		5		5		5	
1/4	2,095.42	1/4	1,737.77	1/4	1,380.12	1/4	1,022.48	1/4	664.83	1/4	312.13	1/4		1/4		1/4		1/4	
1/2	2,087.97	1/2	1,730.32	1/2	1,372.67	1/2	1,015.02	1/2	657.37	1/2	305.10	1/2		1/2		1/2		1/2	
3/4	2,080.52	3/4	1,722.87	3/4	1,365.22	3/4	1,007.57	3/4	649.92	3/4	298.07	3/4		3/4		3/4		3/4	
6	2,073.07	6	1,715.42	6	1,357.77	6	1,000.12	6	642.47	6	291.04	6		6		6		6	
1/4	2,065.62	1/4	1,707.97	1/4	1,350.32	1/4	992.67	1/4	635.02	1/4	284.01	1/4		1/4		1/4		1/4	
1/2	2,058.16	1/2	1,700.51	1/2	1,342.87	1/2	985.22	1/2	627.57	1/2	276.97	1/2		1/2		1/2		1/2	
3/4	2,050.71	3/4	1,693.06	3/4	1,335.42	3/4	977.77	3/4	620.12	3/4	269.94	3/4		3/4		3/4		3/4	
7	2,043.26	7	1,685.61	7	1,327.97	7	970.32	7	612.67	7	263.04	7		7		7		7	
1/4	2,035.81	1/4	1,678.16	1/4	1,320.52	1/4	962.87	1/4	605.22	1/4	256.13	1/4		1/4		1/4		1/4	
1/2	2,028.36	1/2	1,670.71	1/2	1,313.06	1/2	955.41	1/2	597.77	1/2	249.23	1/2		1/2		1/2		1/2	
3/4	2,020.91	3/4	1,663.26	3/4	1,305.61	3/4	947.96	3/4	590.32	3/4	242.32	3/4		3/4		3/4		3/4	
8	2,013.46	8	1,655.81	8	1,298.16	8	940.51	8	582.87	8	235.41	8		8		8		8	
1/4	2,006.01	1/4	1,648.36	1/4	1,290.71	1/4	933.06	1/4	575.42	1/4	228.51	1/4		1/4		1/4		1/4	
1/2	1,998.55	1/2	1,640.91	1/2	1,283.26	1/2	925.61	1/2	567.96	1/2	221.60	1/2		1/2		1/2		1/2	
3/4	1,991.10	3/4	1,633.46	3/4	1,275.81	3/4	918.16	3/4	560.51	3/4	214.69	3/4		3/4		3/4		3/4	
9	1,983.65	9	1,626.01	9	1,268.36	9	910.71	9	553.06	9	207.91	9		9		9		9	
1/4	1,976.20	1/4	1,618.56	1/4	1,260.91	1/4	903.26	1/4	545.61	1/4	201.13	1/4		1/4		1/4		1/4	
1/2	1,968.75	1/2	1,611.10	1/2	1,253.45	1/2	895.81	1/2	538.16	1/2	194.34	1/2		1/2		1/2		1/2	
3/4	1,961.30	3/4	1,603.65	3/4	1,246.00	3/4	888.36	3/4	530.71	3/4	187.56	3/4		3/4		3/4		3/4	
10	1,953.85	10	1,596.20	10	1,238.55	10	880.91	10	523.26	10	180.78	10		10		10		10	
1/4	1,946.40	1/4	1,588.75	1/4	1,231.10	1/4	873.46	1/4	515.81	1/4	174.00	1/4		1/4		1/4		1/4	
1/2	1,938.95	1/2	1,581.30	1/2	1,223.65	1/2	866.00	1/2	508.35	1/2	167.21	1/2		1/2		1/2		1/2	
3/4	1,931.50	3/4	1,573.85	3/4	1,216.20	3/4	858.55	3/4	500.90	3/4	160.43	3/4		3/4		3/4		3/4	
11	1,924.05	11	1,566.40	11	1,209.25	11	851.10	11	493.50	11	153.77	11		11		11		11	
1/4	1,916.60	1/4	1,558.95	1/4	1,202.30	1/4	843.65	1/4	486.10	1/4	147.12	1/4		1/4		1/4		1/4	
1/2	1,909.14	1/2	1,551.49	1/2	1,195.35	1/2	836.20	1/2	478.69	1/2	140.46	1/2		1/2		1/2		1/2	
3/4	1,901.69	3/4	1,544.04	3/4	1,188.40	3/4	828.75	3/4	471.29	3/4	133.80	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/29/2008 INSP
RECALCULATED: 03/04/2024 JS
NAME CHANGE: 03/04/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2024

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 29140"

1 STBD ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30010"

GAUGE HEIGHT 16'-04 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	5,074.73	0	4,747.98	0	4,390.33	0	4,032.68	0	3,675.03	0	3,317.38	0	2,959.74	0	2,602.09
1/4		1/4		1/4	5,071.62	1/4	4,740.52	1/4	4,382.87	1/4	4,025.23	1/4	3,667.58	1/4	3,309.93	1/4	2,952.28	1/4	2,594.63
1/2		1/2		1/2	5,068.51	1/2	4,733.07	1/2	4,375.42	1/2	4,017.78	1/2	3,660.13	1/2	3,302.48	1/2	2,944.83	1/2	2,587.18
3/4		3/4		3/4	5,064.15	3/4	4,725.62	3/4	4,367.97	3/4	4,010.33	3/4	3,652.68	3/4	3,295.03	3/4	2,937.38	3/4	2,579.73
1		1		1	5,059.80	1	4,718.17	1	4,360.52	1	4,002.88	1	3,645.23	1	3,287.58	1	2,929.93	1	2,572.28
1/4		1/4		1/4	5,055.44	1/4	4,710.72	1/4	4,353.07	1/4	3,995.42	1/4	3,637.77	1/4	3,280.13	1/4	2,922.48	1/4	2,564.83
1/2		1/2		1/2	5,051.08	1/2	4,703.27	1/2	4,345.62	1/2	3,987.97	1/2	3,630.32	1/2	3,272.68	1/2	2,915.03	1/2	2,557.38
3/4		3/4		3/4	5,045.48	3/4	4,695.82	3/4	4,338.17	3/4	3,980.52	3/4	3,622.87	3/4	3,265.23	3/4	2,907.58	3/4	2,549.93
2		2		2	5,039.88	2	4,688.37	2	4,330.72	2	3,973.07	2	3,615.42	2	3,257.78	2	2,900.13	2	2,542.48
1/4		1/4		1/4	5,034.28	1/4	4,680.91	1/4	4,323.27	1/4	3,965.62	1/4	3,607.97	1/4	3,250.32	1/4	2,892.67	1/4	2,535.03
1/2		1/2		1/2	5,028.68	1/2	4,673.46	1/2	4,315.82	1/2	3,958.17	1/2	3,600.52	1/2	3,242.87	1/2	2,885.22	1/2	2,527.58
3/4		3/4		3/4	5,021.84	3/4	4,666.01	3/4	4,308.37	3/4	3,950.72	3/4	3,593.07	3/4	3,235.42	3/4	2,877.77	3/4	2,520.13
3		3		3	5,015.00	3	4,658.56	3	4,300.92	3	3,943.27	3	3,585.62	3	3,227.97	3	2,870.32	3	2,512.68
1/4		1/4		1/4	5,008.15	1/4	4,651.11	1/4	4,293.46	1/4	3,935.81	1/4	3,578.17	1/4	3,220.52	1/4	2,862.87	1/4	2,505.22
1/2		1/2		1/2	5,001.31	1/2	4,643.66	1/2	4,286.01	1/2	3,928.36	1/2	3,570.72	1/2	3,213.07	1/2	2,855.42	1/2	2,497.77
3/4		3/4		3/4	4,993.86	3/4	4,636.21	3/4	4,278.56	3/4	3,920.91	3/4	3,563.27	3/4	3,205.62	3/4	2,847.97	3/4	2,490.32
4		4		4	4,986.41	4	4,628.76	4	4,271.11	4	3,913.46	4	3,555.82	4	3,198.17	4	2,840.52	4	2,482.87
1/4		1/4		1/4	4,978.95	1/4	4,621.31	1/4	4,263.66	1/4	3,906.01	1/4	3,548.36	1/4	3,190.71	1/4	2,833.07	1/4	2,475.42
1/2		1/2		1/2	4,971.50	1/2	4,613.86	1/2	4,256.21	1/2	3,898.56	1/2	3,540.91	1/2	3,183.26	1/2	2,825.62	1/2	2,467.97
3/4		3/4		3/4	4,964.05	3/4	4,606.41	3/4	4,248.76	3/4	3,891.11	3/4	3,533.46	3/4	3,175.81	3/4	2,818.17	3/4	2,460.52
5		5		5	4,956.60	5	4,598.96	5	4,241.30	5	3,883.66	5	3,526.01	5	3,168.36	5	2,810.72	5	2,453.07
1/4		1/4		1/4	4,949.15	1/4	4,591.50	1/4	4,233.85	1/4	3,876.21	1/4	3,518.56	1/4	3,160.91	1/4	2,803.26	1/4	2,445.61
1/2		1/2		1/2	4,941.70	1/2	4,584.05	1/2	4,226.40	1/2	3,868.76	1/2	3,511.11	1/2	3,153.46	1/2	2,795.81	1/2	2,438.16
3/4		3/4		3/4	4,934.25	3/4	4,576.60	3/4	4,218.95	3/4	3,861.31	3/4	3,503.66	3/4	3,146.01	3/4	2,788.36	3/4	2,430.71
6		6		6	4,926.80	6	4,569.15	6	4,211.50	6	3,853.86	6	3,496.21	6	3,138.56	6	2,780.91	6	2,423.26
1/4		1/4		1/4	4,919.35	1/4	4,561.70	1/4	4,204.05	1/4	3,846.40	1/4	3,488.75	1/4	3,131.11	1/4	2,773.46	1/4	2,415.81
1/2		1/2		1/2	4,911.90	1/2	4,554.25	1/2	4,196.60	1/2	3,838.95	1/2	3,481.30	1/2	3,123.66	1/2	2,766.01	1/2	2,408.36
3/4		3/4		3/4	4,904.45	3/4	4,546.80	3/4	4,189.15	3/4	3,831.50	3/4	3,473.85	3/4	3,116.21	3/4	2,758.56	3/4	2,400.91
7		7		7	4,897.00	7	4,539.35	7	4,181.70	7	3,824.05	7	3,466.40	7	3,108.76	7	2,751.11	7	2,393.46
1/4		1/4		1/4	4,889.54	1/4	4,531.89	1/4	4,174.25	1/4	3,816.60	1/4	3,458.95	1/4	3,101.30	1/4	2,743.65	1/4	2,386.01
1/2		1/2		1/2	4,882.09	1/2	4,524.44	1/2	4,166.80	1/2	3,809.15	1/2	3,451.50	1/2	3,093.85	1/2	2,736.20	1/2	2,378.56
3/4		3/4		3/4	4,874.64	3/4	4,516.99	3/4	4,159.35	3/4	3,801.70	3/4	3,444.05	3/4	3,086.40	3/4	2,728.75	3/4	2,371.11
8		8		8	4,867.19	8	4,509.54	8	4,151.89	8	3,794.25	8	3,436.60	8	3,078.95	8	2,721.30	8	2,363.66
1/4		1/4		1/4	4,859.74	1/4	4,502.09	1/4	4,144.44	1/4	3,786.79	1/4	3,429.15	1/4	3,071.50	1/4	2,713.85	1/4	2,356.20
1/2		1/2		1/2	4,852.29	1/2	4,494.64	1/2	4,136.99	1/2	3,779.34	1/2	3,421.70	1/2	3,064.05	1/2	2,706.40	1/2	2,348.75
3/4		3/4		3/4	4,844.84	3/4	4,487.19	3/4	4,129.54	3/4	3,771.89	3/4	3,414.25	3/4	3,056.60	3/4	2,698.95	3/4	2,341.30
9		9		9	4,837.39	9	4,479.74	9	4,122.09	9	3,764.44	9	3,406.80	9	3,049.15	9	2,691.50	9	2,333.85
1/4		1/4		1/4	4,829.93	1/4	4,472.29	1/4	4,114.64	1/4	3,756.99	1/4	3,399.34	1/4	3,041.69	1/4	2,684.05	1/4	2,326.40
1/2		1/2		1/2	5,090.91	1/2	4,822.48	1/2	4,464.84	1/2	4,107.19	1/2	3,749.54	1/2	3,391.89	1/2	3,034.24	1/2	2,676.60
3/4		3/4		3/4	5,090.29	3/4	4,815.03	3/4	4,457.39	3/4	4,099.74	3/4	3,742.09	3/4	3,384.44	3/4	3,026.79	3/4	2,669.15
10		10		10	5,089.67	10	4,807.58	10	4,449.94	10	4,092.28	10	3,734.64	10	3,376.99	10	3,019.34	10	2,661.70
1/4		1/4		1/4	5,089.04	1/4	4,800.13	1/4	4,442.48	1/4	4,084.83	1/4	3,727.19	1/4	3,369.54	1/4	3,011.89	1/4	2,654.24
1/2		1/2		1/2	5,088.42	1/2	4,792.68	1/2	4,435.03	1/2	4,077.38	1/2	3,719.74	1/2	3,362.09	1/2	3,004.44	1/2	2,646.79
3/4		3/4		3/4	5,086.55	3/4	4,785.23	3/4	4,427.58	3/4	4,069.93	3/4	3,712.29	3/4	3,354.64	3/4	2,996.99	3/4	2,639.34
11		11		11	5,084.69	11	4,777.78	11	4,420.13	11	4,062.48	11	3,704.84	11	3,347.19	11	2,989.54	11	2,631.89
1/4		1/4		1/4	5,082.82	1/4	4,770.33	1/4	4,412.68	1/4	4,055.03	1/4	3,697.38	1/4	3,339.73	1/4	2,982.09	1/4	2,624.44
1/2		1/2		1/2	5,080.95	1/2	4,762.88	1/2	4,405.23	1/2	4,047.58	1/2	3,689.93	1/2	3,332.28	1/2	2,974.64	1/2	2,616.99
3/4		3/4		3/4	5,077.84	3/4	4,755.43	3/4	4,397.78	3/4	4,040.13	3/4	3,682.48	3/4	3,324.83	3/4	2,967.19	3/4	2,609.54

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 TO THE TOP LIP OF "MMC" VALVE.
 GAUGE POINT: (MMC) LOCATED 12'-09" OFF CENTERLINE AND 43'-01" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 29140"

1 STBD ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30010"

GAUGE HEIGHT 16'-04 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	2,244.44	0	1,886.79	0	1,529.14	0	1,172.50	0	813.85	0	456.48	0	120.49	0		0		0	
1/4	2,236.99	1/4	1,879.34	1/4	1,521.69	1/4	1,164.54	1/4	806.39	1/4	449.08	1/4	113.83	1/4		1/4		1/4	
1/2	2,229.54	1/2	1,871.89	1/2	1,514.24	1/2	1,156.59	1/2	798.94	1/2	441.67	1/2	107.17	1/2		1/2		1/2	
3/4	2,222.09	3/4	1,864.44	3/4	1,506.79	3/4	1,149.14	3/4	791.49	3/4	434.39	3/4	100.64	3/4		3/4		3/4	
1	2,214.64	1	1,856.99	1	1,499.34	1	1,141.69	1	784.04	1	427.11	1	94.11	1		1		1	
1/4	2,207.18	1/4	1,849.53	1/4	1,491.89	1/4	1,134.24	1/4	776.59	1/4	419.83	1/4	87.57	1/4		1/4		1/4	
1/2	2,199.73	1/2	1,842.08	1/2	1,484.44	1/2	1,126.79	1/2	769.14	1/2	412.55	1/2	81.04	1/2		1/2		1/2	
3/4	2,192.28	3/4	1,834.63	3/4	1,476.99	3/4	1,119.34	3/4	761.69	3/4	405.27	3/4	74.51	3/4		3/4		3/4	
2	2,184.83	2	1,827.18	2	1,469.54	2	1,111.89	2	754.24	2	397.99	2	67.97	2		2		2	
1/4	2,177.38	1/4	1,819.73	1/4	1,462.08	1/4	1,104.43	1/4	746.79	1/4	390.71	1/4	61.44	1/4		1/4		1/4	
1/2	2,169.93	1/2	1,812.28	1/2	1,454.63	1/2	1,096.98	1/2	739.34	1/2	383.43	1/2	54.90	1/2		1/2		1/2	
3/4	2,162.48	3/4	1,804.83	3/4	1,447.18	3/4	1,089.53	3/4	731.89	3/4	376.28	3/4	49.23	3/4		3/4		3/4	
3	2,155.03	3	1,797.38	3	1,439.73	3	1,082.08	3	724.44	3	369.12	3	43.55	3		3		3	
1/4	2,147.57	1/4	1,789.93	1/4	1,432.28	1/4	1,074.63	1/4	716.98	1/4	361.97	1/4	37.88	1/4		1/4		1/4	
1/2	2,140.12	1/2	1,782.48	1/2	1,424.83	1/2	1,067.18	1/2	709.53	1/2	354.81	1/2	32.20	1/2		1/2		1/2	
3/4	2,132.67	3/4	1,775.03	3/4	1,417.38	3/4	1,059.73	3/4	702.08	3/4	347.66	3/4	27.99	3/4		3/4		3/4	
4	2,125.22	4	1,767.58	4	1,409.93	4	1,052.28	4	694.63	4	340.50	4	23.78	4		4		4	
1/4	2,117.77	1/4	1,760.12	1/4	1,402.47	1/4	1,044.83	1/4	687.18	1/4	333.35	1/4	19.57	1/4		1/4		1/4	
1/2	2,110.32	1/2	1,752.67	1/2	1,395.02	1/2	1,037.38	1/2	679.73	1/2	326.19	1/2	15.36	1/2		1/2		1/2	
3/4	2,102.87	3/4	1,745.22	3/4	1,387.57	3/4	1,029.93	3/4	672.28	3/4	319.16	3/4		3/4		3/4		3/4	
5	2,095.42	5	1,737.77	5	1,380.12	5	1,022.48	5	664.83	5	312.13	5		5		5		5	
1/4	2,087.97	1/4	1,730.32	1/4	1,372.67	1/4	1,015.02	1/4	657.37	1/4	305.10	1/4		1/4		1/4		1/4	
1/2	2,080.52	1/2	1,722.87	1/2	1,365.22	1/2	1,007.57	1/2	649.92	1/2	298.07	1/2		1/2		1/2		1/2	
3/4	2,073.07	3/4	1,715.42	3/4	1,357.77	3/4	1,000.12	3/4	642.47	3/4	291.04	3/4		3/4		3/4		3/4	
6	2,065.62	6	1,707.97	6	1,350.32	6	992.67	6	635.02	6	284.01	6		6		6		6	
1/4	2,058.16	1/4	1,700.51	1/4	1,342.87	1/4	985.22	1/4	627.57	1/4	276.97	1/4		1/4		1/4		1/4	
1/2	2,050.71	1/2	1,693.06	1/2	1,335.42	1/2	977.77	1/2	620.12	1/2	269.94	1/2		1/2		1/2		1/2	
3/4	2,043.26	3/4	1,685.61	3/4	1,327.97	3/4	970.32	3/4	612.67	3/4	263.04	3/4		3/4		3/4		3/4	
7	2,035.81	7	1,678.16	7	1,320.52	7	962.87	7	605.22	7	256.13	7		7		7		7	
1/4	2,028.36	1/4	1,670.71	1/4	1,313.06	1/4	955.41	1/4	597.77	1/4	249.23	1/4		1/4		1/4		1/4	
1/2	2,020.91	1/2	1,663.26	1/2	1,305.61	1/2	947.96	1/2	590.32	1/2	242.32	1/2		1/2		1/2		1/2	
3/4	2,013.46	3/4	1,655.81	3/4	1,298.16	3/4	940.51	3/4	582.87	3/4	235.41	3/4		3/4		3/4		3/4	
8	2,006.01	8	1,648.36	8	1,290.71	8	933.06	8	575.42	8	228.51	8		8		8		8	
1/4	1,998.55	1/4	1,640.91	1/4	1,283.26	1/4	925.61	1/4	567.96	1/4	221.60	1/4		1/4		1/4		1/4	
1/2	1,991.10	1/2	1,633.46	1/2	1,275.81	1/2	918.16	1/2	560.51	1/2	214.69	1/2		1/2		1/2		1/2	
3/4	1,983.65	3/4	1,626.01	3/4	1,268.36	3/4	910.71	3/4	553.06	3/4	207.91	3/4		3/4		3/4		3/4	
9	1,976.20	9	1,618.56	9	1,260.91	9	903.26	9	545.61	9	201.13	9		9		9		9	
1/4	1,968.75	1/4	1,611.10	1/4	1,253.45	1/4	895.81	1/4	538.16	1/4	194.34	1/4		1/4		1/4		1/4	
1/2	1,961.30	1/2	1,603.65	1/2	1,246.00	1/2	888.36	1/2	530.71	1/2	187.56	1/2		1/2		1/2		1/2	
3/4	1,953.85	3/4	1,596.20	3/4	1,238.55	3/4	880.91	3/4	523.26	3/4	180.78	3/4		3/4		3/4		3/4	
10	1,946.40	10	1,588.75	10	1,231.10	10	873.46	10	515.81	10	174.00	10		10		10		10	
1/4	1,938.95	1/4	1,581.30	1/4	1,223.65	1/4	866.00	1/4	508.35	1/4	167.21	1/4		1/4		1/4		1/4	
1/2	1,931.50	1/2	1,573.85	1/2	1,216.20	1/2	858.55	1/2	500.90	1/2	160.43	1/2		1/2		1/2		1/2	
3/4	1,924.05	3/4	1,566.40	3/4	1,209.25	3/4	851.10	3/4	493.50	3/4	153.77	3/4		3/4		3/4		3/4	
11	1,916.60	11	1,558.95	11	1,202.30	11	843.65	11	486.10	11	147.12	11		11		11		11	
1/4	1,909.14	1/4	1,551.49	1/4	1,195.35	1/4	836.20	1/4	478.69	1/4	140.46	1/4		1/4		1/4		1/4	
1/2	1,901.69	1/2	1,544.04	1/2	1,188.40	1/2	828.75	1/2	471.29	1/2	133.80	1/2		1/2		1/2		1/2	
3/4	1,894.24	3/4	1,536.59	3/4	1,180.45	3/4	821.30	3/4	463.89	3/4	127.14	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/29/2008 INSP
RECALCULATED: 03/04/2024 JS
NAME CHANGE: 03/04/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2024

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



BARGE "KIRBY 29140"

2 PORT ULLAGE TABLE

"MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30010"

GAUGE HEIGHT 16'-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	5,130.65	0	4,790.21	0	4,430.40	0	4,070.60	0	3,710.79	0	3,350.98	0	2,991.18	0	2,631.37
1/4		1/4		1/4	5,126.28	1/4	4,782.72	1/4	4,422.91	1/4	4,063.10	1/4	3,703.29	1/4	3,343.49	1/4	2,983.68	1/4	2,623.87
1/2		1/2		1/2	5,121.90	1/2	4,775.22	1/2	4,415.41	1/2	4,055.61	1/2	3,695.80	1/2	3,335.99	1/2	2,976.19	1/2	2,616.38
3/4		3/4		3/4	5,117.53	3/4	4,767.73	3/4	4,407.92	3/4	4,048.11	3/4	3,688.30	3/4	3,328.50	3/4	2,968.69	3/4	2,608.88
1		1		1	5,111.91	1	4,760.23	1	4,400.42	1	4,040.61	1	3,680.80	1	3,321.00	1	2,961.19	1	2,601.39
1/4		1/4		1/4	5,106.29	1/4	4,752.73	1/4	4,392.93	1/4	4,033.12	1/4	3,673.31	1/4	3,313.50	1/4	2,953.70	1/4	2,593.89
1/2		1/2		1/2	5,100.67	1/2	4,745.24	1/2	4,385.43	1/2	4,025.62	1/2	3,665.81	1/2	3,306.01	1/2	2,946.20	1/2	2,586.40
3/4		3/4		3/4	5,095.05	3/4	4,737.74	3/4	4,377.94	3/4	4,018.13	3/4	3,658.32	3/4	3,298.51	3/4	2,938.70	3/4	2,578.90
2		2		2	5,088.18	2	4,730.24	2	4,370.44	2	4,010.63	2	3,650.82	2	3,291.01	2	2,931.21	2	2,571.40
1/4		1/4		1/4	5,081.31	1/4	4,722.75	1/4	4,362.94	1/4	4,003.13	1/4	3,643.33	1/4	3,283.52	1/4	2,923.71	1/4	2,563.91
1/2		1/2		1/2	5,074.44	1/2	4,715.25	1/2	4,355.45	1/2	3,995.64	1/2	3,635.83	1/2	3,276.03	1/2	2,916.22	1/2	2,556.41
3/4		3/4		3/4	5,067.57	3/4	4,707.76	3/4	4,347.95	3/4	3,988.14	3/4	3,628.34	3/4	3,268.53	3/4	2,908.72	3/4	2,548.91
3		3		3	5,060.07	3	4,700.26	3	4,340.45	3	3,980.64	3	3,620.84	3	3,261.03	3	2,901.23	3	2,541.42
1/4		1/4		1/4	5,052.58	1/4	4,692.77	1/4	4,332.96	1/4	3,973.15	1/4	3,613.34	1/4	3,253.54	1/4	2,893.73	1/4	2,533.92
1/2		1/2		1/2	5,045.08	1/2	4,685.27	1/2	4,325.46	1/2	3,965.65	1/2	3,605.85	1/2	3,246.04	1/2	2,886.24	1/2	2,526.43
3/4		3/4		3/4	5,037.58	3/4	4,677.78	3/4	4,317.97	3/4	3,958.16	3/4	3,598.35	3/4	3,238.54	3/4	2,878.74	3/4	2,518.93
4		4		4	5,030.09	4	4,670.28	4	4,310.47	4	3,950.66	4	3,590.85	4	3,231.05	4	2,871.24	4	2,511.43
1/4		1/4		1/4	5,022.59	1/4	4,662.78	1/4	4,302.97	1/4	3,943.17	1/4	3,583.36	1/4	3,223.55	1/4	2,863.75	1/4	2,503.94
1/2		1/2		1/2	5,015.10	1/2	4,655.29	1/2	4,295.48	1/2	3,935.67	1/2	3,575.86	1/2	3,216.06	1/2	2,856.25	1/2	2,496.44
3/4		3/4		3/4	5,007.60	3/4	4,647.79	3/4	4,287.98	3/4	3,928.18	3/4	3,568.37	3/4	3,208.56	3/4	2,848.75	3/4	2,488.94
5		5		5	5,000.11	5	4,640.29	5	4,280.48	5	3,920.68	5	3,560.87	5	3,201.07	5	2,841.26	5	2,481.45
1/4		1/4		1/4	4,992.61	1/4	4,632.80	1/4	4,272.99	1/4	3,913.18	1/4	3,553.37	1/4	3,193.57	1/4	2,833.76	1/4	2,473.95
1/2		1/2		1/2	4,985.12	1/2	4,625.30	1/2	4,265.49	1/2	3,905.69	1/2	3,545.88	1/2	3,186.08	1/2	2,826.27	1/2	2,466.46
3/4		3/4		3/4	4,977.62	3/4	4,617.81	3/4	4,258.00	3/4	3,898.19	3/4	3,538.38	3/4	3,178.58	3/4	2,818.77	3/4	2,458.96
6		6		6	4,970.12	6	4,610.31	6	4,250.50	6	3,890.69	6	3,530.88	6	3,171.08	6	2,811.27	6	2,451.47
1/4		1/4		1/4	4,962.63	1/4	4,602.81	1/4	4,243.01	1/4	3,883.20	1/4	3,523.39	1/4	3,163.59	1/4	2,803.78	1/4	2,443.97
1/2		1/2		1/2	4,955.13	1/2	4,595.32	1/2	4,235.51	1/2	3,875.70	1/2	3,515.89	1/2	3,156.09	1/2	2,796.28	1/2	2,436.48
3/4		3/4		3/4	4,947.63	3/4	4,587.82	3/4	4,228.02	3/4	3,868.21	3/4	3,508.40	3/4	3,148.59	3/4	2,788.78	3/4	2,428.98
7		7		7	4,940.14	7	4,580.32	7	4,220.52	7	3,860.71	7	3,500.90	7	3,141.10	7	2,781.29	7	2,421.46
1/4		1/4		1/4	4,932.64	1/4	4,572.83	1/4	4,213.02	1/4	3,853.21	1/4	3,493.41	1/4	3,133.60	1/4	2,773.79	1/4	2,413.94
1/2		1/2		1/2	4,925.15	1/2	4,565.33	1/2	4,205.53	1/2	3,845.72	1/2	3,485.91	1/2	3,126.11	1/2	2,766.30	1/2	2,406.41
3/4		3/4		3/4	4,917.65	3/4	4,557.84	3/4	4,198.03	3/4	3,838.22	3/4	3,478.42	3/4	3,118.61	3/4	2,758.80	3/4	2,398.89
8		8		8	4,910.15	8	4,550.34	8	4,190.53	8	3,830.72	8	3,470.92	8	3,111.11	8	2,751.31	8	2,391.42
1/4		1/4		1/4	4,902.66	1/4	4,542.85	1/4	4,183.04	1/4	3,823.23	1/4	3,463.42	1/4	3,103.62	1/4	2,743.81	1/4	2,383.95
1/2		1/2		1/2	4,895.16	1/2	4,535.35	1/2	4,175.54	1/2	3,815.73	1/2	3,455.93	1/2	3,096.12	1/2	2,736.32	1/2	2,376.48
3/4		3/4		3/4	5,157.51	3/4	4,887.66	3/4	4,527.86	3/4	4,168.05	3/4	3,808.24	3/4	3,448.43	3/4	3,088.62	3/4	2,728.82
9		9		9	5,156.89	9	4,880.16	9	4,520.36	9	4,160.55	9	3,800.74	9	3,440.93	9	3,081.13	9	2,721.32
1/4		1/4		1/4	5,156.26	1/4	4,872.67	1/4	4,512.86	1/4	4,153.05	1/4	3,793.25	1/4	3,433.44	1/4	3,073.63	1/4	2,713.83
1/2		1/2		1/2	5,155.64	1/2	4,865.17	1/2	4,505.37	1/2	4,145.56	1/2	3,785.75	1/2	3,425.94	1/2	3,066.14	1/2	2,706.33
3/4		3/4		3/4	5,155.01	3/4	4,857.68	3/4	4,497.87	3/4	4,138.06	3/4	3,778.26	3/4	3,418.45	3/4	3,058.64	3/4	2,698.83
10		10		10	5,153.14	10	4,850.18	10	4,490.37	10	4,130.56	10	3,770.76	10	3,410.95	10	3,051.15	10	2,691.34
1/4		1/4		1/4	5,151.26	1/4	4,842.69	1/4	4,482.88	1/4	4,123.07	1/4	3,763.26	1/4	3,403.45	1/4	3,043.65	1/4	2,683.84
1/2		1/2		1/2	5,149.39	1/2	4,835.20	1/2	4,475.38	1/2	4,115.57	1/2	3,755.77	1/2	3,395.96	1/2	3,036.16	1/2	2,676.35
3/4		3/4		3/4	5,147.51	3/4	4,827.70	3/4	4,467.89	3/4	4,108.08	3/4	3,748.27	3/4	3,388.46	3/4	3,028.66	3/4	2,668.85
11		11		11	5,144.39	11	4,820.20	11	4,460.39	11	4,100.58	11	3,740.77	11	3,380.96	11	3,021.16	11	2,661.35
1/4		1/4		1/4	5,141.27	1/4	4,812.70	1/4	4,452.89	1/4	4,093.09	1/4	3,733.28	1/4	3,373.47	1/4	3,013.67	1/4	2,653.86
1/2		1/2		1/2	5,138.14	1/2	4,805.21	1/2	4,445.40	1/2	4,085.59	1/2	3,725.78	1/2	3,365.97	1/2	3,006.17	1/2	2,646.36
3/4		3/4		3/4	5,135.02	3/4	4,797.71	3/4	4,437.90	3/4	4,078.10	3/4	3,718.29	3/4	3,358.48	3/4	2,998.67	3/4	2,638.86

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 TO THE TOP LIP OF "MMC" VALVE.
 GAUGE POINT: (MMC) LOCATED 12'-09" OFF CENTERLINE AND 43'-01" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 29140"

2 PORT ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30010"

GAUGE HEIGHT 16'-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	2,271.56	0	1,911.75	0	1,551.95	0	1,192.14	0	832.33	0	472.52	0	112.71	0		0		0	
1/4	2,264.07	1/4	1,904.26	1/4	1,544.45	1/4	1,184.64	1/4	824.83	1/4	465.03	1/4	105.22	1/4		1/4		1/4	
1/2	2,256.57	1/2	1,896.76	1/2	1,536.96	1/2	1,177.15	1/2	817.34	1/2	457.53	1/2	97.72	1/2		1/2		1/2	
3/4	2,249.07	3/4	1,889.26	3/4	1,529.46	3/4	1,169.65	3/4	809.84	3/4	450.03	3/4	90.22	3/4		3/4		3/4	
1	2,241.58	1	1,881.77	1	1,521.96	1	1,162.15	1	802.35	1	442.54	1	82.73	1		1		1	
1/4	2,234.08	1/4	1,874.27	1/4	1,514.47	1/4	1,154.66	1/4	794.85	1/4	435.04	1/4	75.23	1/4		1/4		1/4	
1/2	2,226.59	1/2	1,866.78	1/2	1,506.97	1/2	1,147.16	1/2	787.36	1/2	427.55	1/2	67.74	1/2		1/2		1/2	
3/4	2,219.09	3/4	1,859.28	3/4	1,499.47	3/4	1,139.66	3/4	779.86	3/4	420.05	3/4	60.24	3/4		3/4		3/4	
2	2,211.59	2	1,851.79	2	1,491.98	2	1,132.17	2	772.36	2	412.55	2	53.68	2		2		2	
1/4	2,204.10	1/4	1,844.29	1/4	1,484.48	1/4	1,124.67	1/4	764.87	1/4	405.06	1/4	47.13	1/4		1/4		1/4	
1/2	2,196.60	1/2	1,836.80	1/2	1,476.99	1/2	1,117.18	1/2	757.37	1/2	397.56	1/2	40.57	1/2		1/2		1/2	
3/4	2,189.10	3/4	1,829.30	3/4	1,469.49	3/4	1,109.68	3/4	749.87	3/4	390.06	3/4	34.01	3/4		3/4		3/4	
3	2,181.61	3	1,821.80	3	1,461.99	3	1,102.19	3	742.38	3	382.57	3	29.33	3		3		3	
1/4	2,174.11	1/4	1,814.31	1/4	1,454.50	1/4	1,094.69	1/4	734.88	1/4	375.07	1/4	24.64	1/4		1/4		1/4	
1/2	2,166.62	1/2	1,806.81	1/2	1,447.00	1/2	1,087.20	1/2	727.39	1/2	367.58	1/2	19.96	1/2		1/2		1/2	
3/4	2,159.12	3/4	1,799.31	3/4	1,439.50	3/4	1,079.70	3/4	719.89	3/4	360.08	3/4	15.27	3/4		3/4		3/4	
4	2,151.63	4	1,791.82	4	1,432.01	4	1,072.20	4	712.39	4	352.59	4		4		4		4	
1/4	2,144.13	1/4	1,784.32	1/4	1,424.51	1/4	1,064.71	1/4	704.90	1/4	345.09	1/4		1/4		1/4		1/4	
1/2	2,136.64	1/2	1,776.83	1/2	1,417.02	1/2	1,057.21	1/2	697.40	1/2	337.60	1/2		1/2		1/2		1/2	
3/4	2,129.14	3/4	1,769.33	3/4	1,409.52	3/4	1,049.71	3/4	689.90	3/4	330.10	3/4		3/4		3/4		3/4	
5	2,121.64	5	1,761.83	5	1,402.03	5	1,042.22	5	682.41	5	322.75	5		5		5		5	
1/4	2,114.15	1/4	1,754.34	1/4	1,394.53	1/4	1,034.72	1/4	674.91	1/4	315.41	1/4		1/4		1/4		1/4	
1/2	2,106.65	1/2	1,746.84	1/2	1,387.04	1/2	1,027.23	1/2	667.42	1/2	308.06	1/2		1/2		1/2		1/2	
3/4	2,099.15	3/4	1,739.34	3/4	1,379.54	3/4	1,019.73	3/4	659.92	3/4	300.71	3/4		3/4		3/4		3/4	
6	2,091.66	6	1,731.85	6	1,372.04	6	1,012.23	6	652.43	6	293.07	6		6		6		6	
1/4	2,084.16	1/4	1,724.35	1/4	1,364.55	1/4	1,004.74	1/4	644.93	1/4	285.42	1/4		1/4		1/4		1/4	
1/2	2,076.67	1/2	1,716.86	1/2	1,357.05	1/2	997.24	1/2	637.44	1/2	277.78	1/2		1/2		1/2		1/2	
3/4	2,069.17	3/4	1,709.36	3/4	1,349.55	3/4	989.74	3/4	629.94	3/4	270.13	3/4		3/4		3/4		3/4	
7	2,061.67	7	1,701.87	7	1,342.06	7	982.25	7	622.44	7	262.63	7		7		7		7	
1/4	2,054.18	1/4	1,694.37	1/4	1,334.56	1/4	974.75	1/4	614.95	1/4	255.14	1/4		1/4		1/4		1/4	
1/2	2,046.68	1/2	1,686.88	1/2	1,327.07	1/2	967.26	1/2	607.45	1/2	247.64	1/2		1/2		1/2		1/2	
3/4	2,039.18	3/4	1,679.38	3/4	1,319.57	3/4	959.76	3/4	599.95	3/4	240.14	3/4		3/4		3/4		3/4	
8	2,031.69	8	1,671.88	8	1,312.07	8	952.27	8	592.46	8	232.65	8		8		8		8	
1/4	2,024.19	1/4	1,664.39	1/4	1,304.58	1/4	944.77	1/4	584.96	1/4	225.15	1/4		1/4		1/4		1/4	
1/2	2,016.70	1/2	1,656.89	1/2	1,297.08	1/2	937.28	1/2	577.47	1/2	217.66	1/2		1/2		1/2		1/2	
3/4	2,009.20	3/4	1,649.39	3/4	1,289.58	3/4	929.78	3/4	569.97	3/4	210.16	3/4		3/4		3/4		3/4	
9	2,001.71	9	1,641.90	9	1,282.09	9	922.28	9	562.47	9	202.67	9		9		9		9	
1/4	1,994.21	1/4	1,634.40	1/4	1,274.59	1/4	914.79	1/4	554.98	1/4	195.17	1/4		1/4		1/4		1/4	
1/2	1,986.72	1/2	1,626.91	1/2	1,267.10	1/2	907.29	1/2	547.48	1/2	187.68	1/2		1/2		1/2		1/2	
3/4	1,979.22	3/4	1,619.41	3/4	1,259.60	3/4	899.79	3/4	539.98	3/4	180.18	3/4		3/4		3/4		3/4	
10	1,971.72	10	1,611.91	10	1,252.11	10	892.30	10	532.49	10	172.68	10		10		10		10	
1/4	1,964.23	1/4	1,604.42	1/4	1,244.61	1/4	884.80	1/4	524.99	1/4	165.19	1/4		1/4		1/4		1/4	
1/2	1,956.73	1/2	1,596.92	1/2	1,237.12	1/2	877.31	1/2	517.50	1/2	157.69	1/2		1/2		1/2		1/2	
3/4	1,949.23	3/4	1,589.42	3/4	1,229.62	3/4	869.81	3/4	510.00	3/4	150.19	3/4		3/4		3/4		3/4	
11	1,941.74	11	1,581.93	11	1,222.12	11	862.31	11	502.51	11	142.70	11		11		11		11	
1/4	1,934.24	1/4	1,574.43	1/4	1,214.63	1/4	854.82	1/4	495.01	1/4	135.20	1/4		1/4		1/4		1/4	
1/2	1,926.75	1/2	1,566.94	1/2	1,207.13	1/2	847.32	1/2	487.52	1/2	127.71	1/2		1/2		1/2		1/2	
3/4	1,919.25	3/4	1,559.44	3/4	1,199.63	3/4	839.82	3/4	480.02	3/4	120.21	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/29/2008 INSP
RECALCULATED: 03/04/2024 JS
NAME CHANGE: 03/04/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2024

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 29140"

2 STBD ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30010"

GAUGE HEIGHT 16'-04 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	5,141.27	0	4,812.70	0	4,452.89	0	4,093.09	0	3,733.28	0	3,373.47	0	3,013.67	0	2,653.86		
1/4		1/4		1/4	5,138.14	1/4	4,805.21	1/4	4,445.40	1/4	4,085.59	1/4	3,725.78	1/4	3,365.97	1/4	3,006.17	1/4	2,646.36		
1/2		1/2		1/2	5,135.02	1/2	4,797.71	1/2	4,437.90	1/2	4,078.10	1/2	3,718.29	1/2	3,358.48	1/2	2,998.67	1/2	2,638.86		
3/4		3/4		3/4	5,130.65	3/4	4,790.21	3/4	4,430.40	3/4	4,070.60	3/4	3,710.79	3/4	3,350.98	3/4	2,991.18	3/4	2,631.37		
1		1		1	5,126.28	1	4,782.72	1	4,422.91	1	4,063.10	1	3,703.29	1	3,343.49	1	2,983.68	1	2,623.87		
1/4		1/4		1/4	5,121.90	1/4	4,775.22	1/4	4,415.41	1/4	4,055.61	1/4	3,695.80	1/4	3,335.99	1/4	2,976.19	1/4	2,616.38		
1/2		1/2		1/2	5,117.53	1/2	4,767.73	1/2	4,407.92	1/2	4,048.11	1/2	3,688.30	1/2	3,328.50	1/2	2,968.69	1/2	2,608.88		
3/4		3/4		3/4	5,111.91	3/4	4,760.23	3/4	4,400.42	3/4	4,040.61	3/4	3,680.80	3/4	3,321.00	3/4	2,961.19	3/4	2,601.39		
2		2		2	5,106.29	2	4,752.73	2	4,392.93	2	4,033.12	2	3,673.31	2	3,313.50	2	2,953.70	2	2,593.89		
1/4		1/4		1/4	5,100.67	1/4	4,745.24	1/4	4,385.43	1/4	4,025.62	1/4	3,665.81	1/4	3,306.01	1/4	2,946.20	1/4	2,586.40		
1/2		1/2		1/2	5,095.05	1/2	4,737.74	1/2	4,377.94	1/2	4,018.13	1/2	3,658.32	1/2	3,298.51	1/2	2,938.70	1/2	2,578.90		
3/4		3/4		3/4	5,088.18	3/4	4,730.24	3/4	4,370.44	3/4	4,010.63	3/4	3,650.82	3/4	3,291.01	3/4	2,931.21	3/4	2,571.40		
3		3		3	5,081.31	3	4,722.75	3	4,362.94	3	4,003.13	3	3,643.33	3	3,283.52	3	2,923.71	3	2,563.91		
1/4		1/4		1/4	5,074.44	1/4	4,715.25	1/4	4,355.45	1/4	3,995.64	1/4	3,635.83	1/4	3,276.03	1/4	2,916.22	1/4	2,556.41		
1/2		1/2		1/2	5,067.57	1/2	4,707.76	1/2	4,347.95	1/2	3,988.14	1/2	3,628.34	1/2	3,268.53	1/2	2,908.72	1/2	2,548.91		
3/4		3/4		3/4	5,060.07	3/4	4,700.26	3/4	4,340.45	3/4	3,980.64	3/4	3,620.84	3/4	3,261.03	3/4	2,901.23	3/4	2,541.42		
4		4		4	5,052.58	4	4,692.77	4	4,332.96	4	3,973.15	4	3,613.34	4	3,253.54	4	2,893.73	4	2,533.92		
1/4		1/4		1/4	5,045.08	1/4	4,685.27	1/4	4,325.46	1/4	3,965.65	1/4	3,605.85	1/4	3,246.04	1/4	2,886.24	1/4	2,526.43		
1/2		1/2		1/2	5,037.58	1/2	4,677.78	1/2	4,317.97	1/2	3,958.16	1/2	3,598.35	1/2	3,238.54	1/2	2,878.74	1/2	2,518.93		
3/4		3/4		3/4	5,030.09	3/4	4,670.28	3/4	4,310.47	3/4	3,950.66	3/4	3,590.85	3/4	3,231.05	3/4	2,871.24	3/4	2,511.43		
5		5		5	5,022.59	5	4,662.78	5	4,302.97	5	3,943.17	5	3,583.36	5	3,223.55	5	2,863.75	5	2,503.94		
1/4		1/4		1/4	5,015.10	1/4	4,655.29	1/4	4,295.48	1/4	3,935.67	1/4	3,575.86	1/4	3,216.06	1/4	2,856.25	1/4	2,496.44		
1/2		1/2		1/2	5,007.60	1/2	4,647.79	1/2	4,287.98	1/2	3,928.18	1/2	3,568.37	1/2	3,208.56	1/2	2,848.75	1/2	2,488.94		
3/4		3/4		3/4	5,000.11	3/4	4,640.29	3/4	4,280.48	3/4	3,920.68	3/4	3,560.87	3/4	3,201.07	3/4	2,841.26	3/4	2,481.45		
6		6		6	4,992.61	6	4,632.80	6	4,272.99	6	3,913.18	6	3,553.37	6	3,193.57	6	2,833.76	6	2,473.95		
1/4		1/4		1/4	4,985.12	1/4	4,625.30	1/4	4,265.49	1/4	3,905.69	1/4	3,545.88	1/4	3,186.08	1/4	2,826.27	1/4	2,466.46		
1/2		1/2		1/2	4,977.62	1/2	4,617.81	1/2	4,258.00	1/2	3,898.19	1/2	3,538.38	1/2	3,178.58	1/2	2,818.77	1/2	2,458.96		
3/4		3/4		3/4	4,970.12	3/4	4,610.31	3/4	4,250.50	3/4	3,890.69	3/4	3,530.88	3/4	3,171.08	3/4	2,811.27	3/4	2,451.47		
7		7		7	4,962.63	7	4,602.81	7	4,243.01	7	3,883.20	7	3,523.39	7	3,163.59	7	2,803.78	7	2,443.97		
1/4		1/4		1/4	4,955.13	1/4	4,595.32	1/4	4,235.51	1/4	3,875.70	1/4	3,515.89	1/4	3,156.09	1/4	2,796.28	1/4	2,436.48		
1/2		1/2		1/2	4,947.63	1/2	4,587.82	1/2	4,228.02	1/2	3,868.21	1/2	3,508.40	1/2	3,148.59	1/2	2,788.78	1/2	2,428.98		
3/4		3/4		3/4	4,940.14	3/4	4,580.32	3/4	4,220.52	3/4	3,860.71	3/4	3,500.90	3/4	3,141.10	3/4	2,781.29	3/4	2,421.46		
8		8		8	4,932.64	8	4,572.83	8	4,213.02	8	3,853.21	8	3,493.41	8	3,133.60	8	2,773.79	8	2,413.94		
1/4		1/4		1/4	4,925.15	1/4	4,565.33	1/4	4,205.53	1/4	3,845.72	1/4	3,485.91	1/4	3,126.11	1/4	2,766.30	1/4	2,406.41		
1/2		1/2		1/2	4,917.65	1/2	4,557.84	1/2	4,198.03	1/2	3,838.22	1/2	3,478.42	1/2	3,118.61	1/2	2,758.80	1/2	2,398.89		
3/4		3/4		3/4	4,910.15	3/4	4,550.34	3/4	4,190.53	3/4	3,830.72	3/4	3,470.92	3/4	3,111.11	3/4	2,751.31	3/4	2,391.42		
9		9		9	4,902.66	9	4,542.85	9	4,183.04	9	3,823.23	9	3,463.42	9	3,103.62	9	2,743.81	9	2,383.95		
1/4		1/4		1/4	4,895.16	1/4	4,535.35	1/4	4,175.54	1/4	3,815.73	1/4	3,455.93	1/4	3,096.12	1/4	2,736.32	1/4	2,376.48		
1/2		1/2		1/2	5,157.51	1/2	4,887.66	1/2	4,527.86	1/2	4,168.05	1/2	3,808.24	1/2	3,448.43	1/2	3,088.62	1/2	2,728.82	1/2	2,369.01
3/4		3/4		3/4	5,156.89	3/4	4,880.16	3/4	4,520.36	3/4	4,160.55	3/4	3,800.74	3/4	3,440.93	3/4	3,081.13	3/4	2,721.32	3/4	2,361.51
10		10		10	5,156.26	10	4,872.67	10	4,512.86	10	4,153.05	10	3,793.25	10	3,433.44	10	3,073.63	10	2,713.83	10	2,354.02
1/4		1/4		1/4	5,155.64	1/4	4,865.17	1/4	4,505.37	1/4	4,145.56	1/4	3,785.75	1/4	3,425.94	1/4	3,066.14	1/4	2,706.33	1/4	2,346.52
1/2		1/2		1/2	5,155.01	1/2	4,857.68	1/2	4,497.87	1/2	4,138.06	1/2	3,778.26	1/2	3,418.45	1/2	3,058.64	1/2	2,698.83	1/2	2,339.02
3/4		3/4		3/4	5,153.14	3/4	4,850.18	3/4	4,490.37	3/4	4,130.56	3/4	3,770.76	3/4	3,410.95	3/4	3,051.15	3/4	2,691.34	3/4	2,331.53
11		11		11	5,151.26	11	4,842.69	11	4,482.88	11	4,123.07	11	3,763.26	11	3,403.45	11	3,043.65	11	2,683.84	11	2,324.03
1/4		1/4		1/4	5,149.39	1/4	4,835.20	1/4	4,475.38	1/4	4,115.57	1/4	3,755.77	1/4	3,395.96	1/4	3,036.16	1/4	2,676.35	1/4	2,316.54
1/2		1/2		1/2	5,147.51	1/2	4,827.70	1/2	4,467.89	1/2	4,108.08	1/2	3,748.27	1/2	3,388.46	1/2	3,028.66	1/2	2,668.85	1/2	2,309.04
3/4		3/4		3/4	5,144.39	3/4	4,820.20	3/4	4,460.39	3/4	4,100.58	3/4	3,740.77	3/4	3,380.96	3/4	3,021.16	3/4	2,661.35	3/4	2,301.55

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 TO THE TOP LIP OF "MMC" VALVE.
 GAUGE POINT: (MMC) LOCATED 12'-09" OFF CENTERLINE AND 43'-01" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 29140"

2 STBD

ULLAGE TABLE

"MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30010"

GAUGE HEIGHT 16'-04 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	2,294.05	0	1,934.24	0	1,574.43	0	1,214.63	0	854.82	0	495.01	0	135.20	0		0		0	
1/4	2,286.56	1/4	1,926.75	1/4	1,566.94	1/4	1,207.13	1/4	847.32	1/4	487.52	1/4	127.71	1/4		1/4		1/4	
1/2	2,279.06	1/2	1,919.25	1/2	1,559.44	1/2	1,199.63	1/2	839.82	1/2	480.02	1/2	120.21	1/2		1/2		1/2	
3/4	2,271.56	3/4	1,911.75	3/4	1,551.95	3/4	1,192.14	3/4	832.33	3/4	472.52	3/4	112.71	3/4		3/4		3/4	
1	2,264.07	1	1,904.26	1	1,544.45	1	1,184.64	1	824.83	1	465.03	1	105.22	1		1		1	
1/4	2,256.57	1/4	1,896.76	1/4	1,536.96	1/4	1,177.15	1/4	817.34	1/4	457.53	1/4	97.72	1/4		1/4		1/4	
1/2	2,249.07	1/2	1,889.26	1/2	1,529.46	1/2	1,169.65	1/2	809.84	1/2	450.03	1/2	90.22	1/2		1/2		1/2	
3/4	2,241.58	3/4	1,881.77	3/4	1,521.96	3/4	1,162.15	3/4	802.35	3/4	442.54	3/4	82.73	3/4		3/4		3/4	
2	2,234.08	2	1,874.27	2	1,514.47	2	1,154.66	2	794.85	2	435.04	2	75.23	2		2		2	
1/4	2,226.59	1/4	1,866.78	1/4	1,506.97	1/4	1,147.16	1/4	787.36	1/4	427.55	1/4	67.74	1/4		1/4		1/4	
1/2	2,219.09	1/2	1,859.28	1/2	1,499.47	1/2	1,139.66	1/2	779.86	1/2	420.05	1/2	60.24	1/2		1/2		1/2	
3/4	2,211.59	3/4	1,851.79	3/4	1,491.98	3/4	1,132.17	3/4	772.36	3/4	412.55	3/4	53.68	3/4		3/4		3/4	
3	2,204.10	3	1,844.29	3	1,484.48	3	1,124.67	3	764.87	3	405.06	3	47.13	3		3		3	
1/4	2,196.60	1/4	1,836.80	1/4	1,476.99	1/4	1,117.18	1/4	757.37	1/4	397.56	1/4	40.57	1/4		1/4		1/4	
1/2	2,189.10	1/2	1,829.30	1/2	1,469.49	1/2	1,109.68	1/2	749.87	1/2	390.06	1/2	34.01	1/2		1/2		1/2	
3/4	2,181.61	3/4	1,821.80	3/4	1,461.99	3/4	1,102.19	3/4	742.38	3/4	382.57	3/4	29.33	3/4		3/4		3/4	
4	2,174.11	4	1,814.31	4	1,454.50	4	1,094.69	4	734.88	4	375.07	4	24.64	4		4		4	
1/4	2,166.62	1/4	1,806.81	1/4	1,447.00	1/4	1,087.20	1/4	727.39	1/4	367.58	1/4	19.96	1/4		1/4		1/4	
1/2	2,159.12	1/2	1,799.31	1/2	1,439.50	1/2	1,079.70	1/2	719.89	1/2	360.08	1/2	15.27	1/2		1/2		1/2	
3/4	2,151.63	3/4	1,791.82	3/4	1,432.01	3/4	1,072.20	3/4	712.39	3/4	352.59	3/4		3/4		3/4		3/4	
5	2,144.13	5	1,784.32	5	1,424.51	5	1,064.71	5	704.90	5	345.09	5		5		5		5	
1/4	2,136.64	1/4	1,776.83	1/4	1,417.02	1/4	1,057.21	1/4	697.40	1/4	337.60	1/4		1/4		1/4		1/4	
1/2	2,129.14	1/2	1,769.33	1/2	1,409.52	1/2	1,049.71	1/2	689.90	1/2	330.10	1/2		1/2		1/2		1/2	
3/4	2,121.64	3/4	1,761.83	3/4	1,402.03	3/4	1,042.22	3/4	682.41	3/4	322.75	3/4		3/4		3/4		3/4	
6	2,114.15	6	1,754.34	6	1,394.53	6	1,034.72	6	674.91	6	315.41	6		6		6		6	
1/4	2,106.65	1/4	1,746.84	1/4	1,387.04	1/4	1,027.23	1/4	667.42	1/4	308.06	1/4		1/4		1/4		1/4	
1/2	2,099.15	1/2	1,739.34	1/2	1,379.54	1/2	1,019.73	1/2	659.92	1/2	300.71	1/2		1/2		1/2		1/2	
3/4	2,091.66	3/4	1,731.85	3/4	1,372.04	3/4	1,012.23	3/4	652.43	3/4	293.07	3/4		3/4		3/4		3/4	
7	2,084.16	7	1,724.35	7	1,364.55	7	1,004.74	7	644.93	7	285.42	7		7		7		7	
1/4	2,076.67	1/4	1,716.86	1/4	1,357.05	1/4	997.24	1/4	637.44	1/4	277.78	1/4		1/4		1/4		1/4	
1/2	2,069.17	1/2	1,709.36	1/2	1,349.55	1/2	989.74	1/2	629.94	1/2	270.13	1/2		1/2		1/2		1/2	
3/4	2,061.67	3/4	1,701.87	3/4	1,342.06	3/4	982.25	3/4	622.44	3/4	262.63	3/4		3/4		3/4		3/4	
8	2,054.18	8	1,694.37	8	1,334.56	8	974.75	8	614.95	8	255.14	8		8		8		8	
1/4	2,046.68	1/4	1,686.88	1/4	1,327.07	1/4	967.26	1/4	607.45	1/4	247.64	1/4		1/4		1/4		1/4	
1/2	2,039.18	1/2	1,679.38	1/2	1,319.57	1/2	959.76	1/2	599.95	1/2	240.14	1/2		1/2		1/2		1/2	
3/4	2,031.69	3/4	1,671.88	3/4	1,312.07	3/4	952.27	3/4	592.46	3/4	232.65	3/4		3/4		3/4		3/4	
9	2,024.19	9	1,664.39	9	1,304.58	9	944.77	9	584.96	9	225.15	9		9		9		9	
1/4	2,016.70	1/4	1,656.89	1/4	1,297.08	1/4	937.28	1/4	577.47	1/4	217.66	1/4		1/4		1/4		1/4	
1/2	2,009.20	1/2	1,649.39	1/2	1,289.58	1/2	929.78	1/2	569.97	1/2	210.16	1/2		1/2		1/2		1/2	
3/4	2,001.71	3/4	1,641.90	3/4	1,282.09	3/4	922.28	3/4	562.47	3/4	202.67	3/4		3/4		3/4		3/4	
10	1,994.21	10	1,634.40	10	1,274.59	10	914.79	10	554.98	10	195.17	10		10		10		10	
1/4	1,986.72	1/4	1,626.91	1/4	1,267.10	1/4	907.29	1/4	547.48	1/4	187.68	1/4		1/4		1/4		1/4	
1/2	1,979.22	1/2	1,619.41	1/2	1,259.60	1/2	899.79	1/2	539.98	1/2	180.18	1/2		1/2		1/2		1/2	
3/4	1,971.72	3/4	1,611.91	3/4	1,252.11	3/4	892.30	3/4	532.49	3/4	172.68	3/4		3/4		3/4		3/4	
11	1,964.23	11	1,604.42	11	1,244.61	11	884.80	11	524.99	11	165.19	11		11		11		11	
1/4	1,956.73	1/4	1,596.92	1/4	1,237.12	1/4	877.31	1/4	517.50	1/4	157.69	1/4		1/4		1/4		1/4	
1/2	1,949.23	1/2	1,589.42	1/2	1,229.62	1/2	869.81	1/2	510.00	1/2	150.19	1/2		1/2		1/2		1/2	
3/4	1,941.74	3/4	1,581.93	3/4	1,222.12	3/4	862.31	3/4	502.51	3/4	142.70	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/29/2008 INSP
RECALCULATED: 03/04/2024 JS
NAME CHANGE: 03/04/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2024

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

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BARGE "KIRBY 29140"

3 PORT ULLAGE TABLE

"MMC"

GAUGE HEIGHT 16'-04"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30010"

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	4,705.42	0	4,452.44	0	4,182.24	0	3,912.05	0	3,637.97	0	3,340.22	0	2,982.38	0	2,624.54
1/4		1/4		1/4	4,702.18	1/4	4,446.81	1/4	4,176.61	1/4	3,906.42	1/4	3,632.23	1/4	3,332.77	1/4	2,974.93	1/4	2,617.09
1/2		1/2		1/2	4,698.94	1/2	4,441.18	1/2	4,170.99	1/2	3,900.80	1/2	3,626.50	1/2	3,325.31	1/2	2,967.47	1/2	2,609.63
3/4		3/4		3/4	4,695.70	3/4	4,435.55	3/4	4,165.36	3/4	3,895.17	3/4	3,620.76	3/4	3,317.86	3/4	2,960.02	3/4	2,602.18
1		1		1	4,692.46	1	4,429.92	1	4,159.73	1	3,889.54	1	3,615.02	1	3,310.40	1	2,952.56	1	2,594.72
1/4		1/4		1/4	4,688.27	1/4	4,424.29	1/4	4,154.10	1/4	3,883.91	1/4	3,609.29	1/4	3,302.95	1/4	2,945.11	1/4	2,587.27
1/2		1/2		1/2	4,684.07	1/2	4,418.66	1/2	4,148.47	1/2	3,878.28	1/2	3,603.55	1/2	3,295.49	1/2	2,937.65	1/2	2,579.81
3/4		3/4		3/4	4,679.88	3/4	4,413.03	3/4	4,142.84	3/4	3,872.65	3/4	3,597.82	3/4	3,288.04	3/4	2,930.20	3/4	2,572.36
2		2		2	4,675.68	2	4,407.40	2	4,137.21	2	3,867.02	2	3,592.08	2	3,280.58	2	2,922.74	2	2,564.90
1/4		1/4		1/4	4,670.53	1/4	4,401.77	1/4	4,131.58	1/4	3,861.39	1/4	3,586.34	1/4	3,273.13	1/4	2,915.29	1/4	2,557.45
1/2		1/2		1/2	4,665.38	1/2	4,396.15	1/2	4,125.96	1/2	3,855.76	1/2	3,580.61	1/2	3,265.67	1/2	2,907.83	1/2	2,549.99
3/4		3/4		3/4	4,660.23	3/4	4,390.52	3/4	4,120.33	3/4	3,850.13	3/4	3,574.87	3/4	3,258.22	3/4	2,900.38	3/4	2,542.54
3		3		3	4,655.08	3	4,384.89	3	4,114.70	3	3,844.50	3	3,569.13	3	3,250.76	3	2,892.92	3	2,535.08
1/4		1/4		1/4	4,649.45	1/4	4,379.26	1/4	4,109.07	1/4	3,838.77	1/4	3,563.38	1/4	3,243.31	1/4	2,885.47	1/4	2,527.63
1/2		1/2		1/2	4,643.82	1/2	4,373.63	1/2	4,103.44	1/2	3,833.03	1/2	3,557.62	1/2	3,235.85	1/2	2,878.01	1/2	2,520.17
3/4		3/4		3/4	4,638.19	3/4	4,368.00	3/4	4,097.81	3/4	3,827.30	3/4	3,551.87	3/4	3,228.40	3/4	2,870.56	3/4	2,512.72
4		4		4	4,632.56	4	4,362.37	4	4,092.18	4	3,821.56	4	3,546.11	4	3,220.94	4	2,863.10	4	2,505.26
1/4		1/4		1/4	4,626.93	1/4	4,356.74	1/4	4,086.55	1/4	3,815.82	1/4	3,540.30	1/4	3,213.49	1/4	2,855.65	1/4	2,497.81
1/2		1/2		1/2	4,621.31	1/2	4,351.12	1/2	4,080.92	1/2	3,810.09	1/2	3,534.49	1/2	3,206.03	1/2	2,848.19	1/2	2,490.35
3/4		3/4		3/4	4,615.68	3/4	4,345.49	3/4	4,075.29	3/4	3,804.35	3/4	3,528.68	3/4	3,198.58	3/4	2,840.74	3/4	2,482.90
5		5		5	4,610.05	5	4,339.86	5	4,069.66	5	3,798.61	5	3,522.87	5	3,191.12	5	2,833.28	5	2,475.44
1/4		1/4		1/4	4,604.42	1/4	4,334.23	1/4	4,064.03	1/4	3,792.87	1/4	3,516.99	1/4	3,183.67	1/4	2,825.83	1/4	2,467.99
1/2		1/2		1/2	4,598.79	1/2	4,328.60	1/2	4,058.41	1/2	3,787.14	1/2	3,511.11	1/2	3,176.21	1/2	2,818.37	1/2	2,460.53
3/4		3/4		3/4	4,593.16	3/4	4,322.97	3/4	4,052.78	3/4	3,781.40	3/4	3,505.23	3/4	3,168.76	3/4	2,810.92	3/4	2,453.08
6		6		6	4,587.53	6	4,317.34	6	4,047.15	6	3,775.66	6	3,499.35	6	3,161.30	6	2,803.46	6	2,445.62
1/4		1/4		1/4	4,581.90	1/4	4,311.71	1/4	4,041.52	1/4	3,769.92	1/4	3,493.40	1/4	3,153.85	1/4	2,796.01	1/4	2,438.17
1/2		1/2		1/2	4,576.28	1/2	4,306.08	1/2	4,035.89	1/2	3,764.19	1/2	3,487.44	1/2	3,146.39	1/2	2,788.55	1/2	2,430.71
3/4		3/4		3/4	4,570.65	3/4	4,300.45	3/4	4,030.26	3/4	3,758.45	3/4	3,481.49	3/4	3,138.94	3/4	2,781.10	3/4	2,423.26
7		7		7	4,565.02	7	4,294.82	7	4,024.63	7	3,752.71	7	3,475.53	7	3,131.48	7	2,773.64	7	2,415.80
1/4		1/4		1/4	4,559.39	1/4	4,289.19	1/4	4,019.00	1/4	3,746.97	1/4	3,469.51	1/4	3,124.03	1/4	2,766.19	1/4	2,408.35
1/2		1/2		1/2	4,553.76	1/2	4,283.57	1/2	4,013.38	1/2	3,741.24	1/2	3,463.48	1/2	3,116.57	1/2	2,758.73	1/2	2,400.89
3/4		3/4		3/4	4,548.13	3/4	4,277.94	3/4	4,007.75	3/4	3,735.50	3/4	3,457.46	3/4	3,109.12	3/4	2,751.28	3/4	2,393.44
8		8		8	4,542.50	8	4,272.31	8	4,002.12	8	3,729.76	8	3,451.43	8	3,101.66	8	2,743.82	8	2,385.98
1/4		1/4		1/4	4,536.87	1/4	4,266.68	1/4	3,996.49	1/4	3,724.03	1/4	3,445.33	1/4	3,094.21	1/4	2,736.37	1/4	2,378.53
1/2		1/2		1/2	4,531.24	1/2	4,261.05	1/2	3,990.86	1/2	3,718.29	1/2	3,439.23	1/2	3,086.75	1/2	2,728.91	1/2	2,371.07
3/4		3/4		3/4	4,525.61	3/4	4,255.42	3/4	3,985.23	3/4	3,712.56	3/4	3,433.13	3/4	3,079.30	3/4	2,721.46	3/4	2,363.62
9		9	4,721.33	9	4,519.98	9	4,249.79	9	3,979.60	9	3,706.82	9	3,427.03	9	3,071.84	9	2,714.00	9	2,356.16
1/4		1/4	4,720.96	1/4	4,514.35	1/4	4,244.16	1/4	3,973.97	1/4	3,701.08	1/4	3,420.24	1/4	3,064.39	1/4	2,706.55	1/4	2,348.71
1/2		1/2	4,720.59	1/2	4,508.73	1/2	4,238.54	1/2	3,968.34	1/2	3,695.35	1/2	3,413.45	1/2	3,056.93	1/2	2,699.09	1/2	2,341.25
3/4		3/4	4,720.22	3/4	4,503.10	3/4	4,232.91	3/4	3,962.71	3/4	3,689.61	3/4	3,406.65	3/4	3,049.48	3/4	2,691.64	3/4	2,333.80
10		10	4,719.85	10	4,497.47	10	4,227.28	10	3,957.08	10	3,683.87	10	3,399.86	10	3,042.02	10	2,684.18	10	2,326.34
1/4		1/4	4,718.52	1/4	4,491.84	1/4	4,221.65	1/4	3,951.45	1/4	3,678.13	1/4	3,392.41	1/4	3,034.57	1/4	2,677.73	1/4	2,318.89
1/2		1/2	4,717.20	1/2	4,486.21	1/2	4,216.02	1/2	3,945.83	1/2	3,672.40	1/2	3,384.95	1/2	3,027.11	1/2	2,671.27	1/2	2,311.43
3/4		3/4	4,715.87	3/4	4,480.58	3/4	4,210.39	3/4	3,940.20	3/4	3,666.66	3/4	3,377.50	3/4	3,019.66	3/4	2,664.82	3/4	2,303.98
11		11	4,714.54	11	4,474.95	11	4,204.76	11	3,934.57	11	3,660.92	11	3,370.04	11	3,012.20	11	2,658.36	11	2,296.52
1/4		1/4	4,712.26	1/4	4,469.32	1/4	4,199.13	1/4	3,928.94	1/4	3,655.18	1/4	3,362.59	1/4	3,004.75	1/4	2,649.91	1/4	2,289.07
1/2		1/2	4,709.98	1/2	4,463.70	1/2	4,193.50	1/2	3,923.31	1/2	3,649.45	1/2	3,355.13	1/2	2,997.29	1/2	2,641.45	1/2	2,281.61
3/4		3/4	4,707.70	3/4	4,458.07	3/4	4,187.87	3/4	3,917.68	3/4	3,643.71	3/4	3,347.68	3/4	2,989.84	3/4	2,633.00	3/4	2,274.16

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 TO THE TOP LIP OF "MMC" VALVE.
 GAUGE POINT: (MMC) LOCATED 12'-09" OFF CENTERLINE AND 43'-07" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 29140"

3 PORT ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30010"

GAUGE HEIGHT 16'-04"

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	2,266.70	0	1,908.86	0	1,551.02	0	1,193.18	0	835.34	0	477.50	0	119.66	0		0		0	
1/4	2,259.25	1/4	1,901.41	1/4	1,543.57	1/4	1,185.73	1/4	827.89	1/4	470.05	1/4	112.21	1/4		1/4		1/4	
1/2	2,251.79	1/2	1,893.95	1/2	1,536.11	1/2	1,178.27	1/2	820.43	1/2	462.59	1/2	104.75	1/2		1/2		1/2	
3/4	2,244.34	3/4	1,886.50	3/4	1,528.66	3/4	1,170.82	3/4	812.98	3/4	455.14	3/4	97.30	3/4		3/4		3/4	
1	2,236.88	1	1,879.04	1	1,521.20	1	1,163.36	1	805.52	1	447.68	1	89.84	1		1		1	
1/4	2,229.43	1/4	1,871.59	1/4	1,513.75	1/4	1,155.91	1/4	798.07	1/4	440.23	1/4	82.39	1/4		1/4		1/4	
1/2	2,221.97	1/2	1,864.13	1/2	1,506.29	1/2	1,148.45	1/2	790.61	1/2	432.77	1/2	74.93	1/2		1/2		1/2	
3/4	2,214.52	3/4	1,856.68	3/4	1,498.84	3/4	1,141.00	3/4	783.16	3/4	425.32	3/4	67.48	3/4		3/4		3/4	
2	2,207.06	2	1,849.22	2	1,491.38	2	1,133.54	2	775.70	2	417.86	2	60.02	2		2		2	
1/4	2,199.61	1/4	1,841.77	1/4	1,483.93	1/4	1,126.09	1/4	768.25	1/4	410.41	1/4	53.49	1/4		1/4		1/4	
1/2	2,192.15	1/2	1,834.31	1/2	1,476.47	1/2	1,118.63	1/2	760.79	1/2	402.95	1/2	46.95	1/2		1/2		1/2	
3/4	2,184.70	3/4	1,826.86	3/4	1,469.02	3/4	1,111.18	3/4	753.34	3/4	395.50	3/4	40.42	3/4		3/4		3/4	
3	2,177.24	3	1,819.40	3	1,461.56	3	1,103.72	3	745.88	3	388.04	3	33.88	3		3		3	
1/4	2,169.79	1/4	1,811.95	1/4	1,454.11	1/4	1,096.27	1/4	738.43	1/4	380.59	1/4	29.21	1/4		1/4		1/4	
1/2	2,162.33	1/2	1,804.49	1/2	1,446.65	1/2	1,088.81	1/2	730.97	1/2	373.13	1/2	24.55	1/2		1/2		1/2	
3/4	2,154.88	3/4	1,797.04	3/4	1,439.20	3/4	1,081.36	3/4	723.52	3/4	365.68	3/4	19.88	3/4		3/4		3/4	
4	2,147.42	4	1,789.58	4	1,431.74	4	1,073.90	4	716.06	4	358.22	4	15.21	4		4		4	
1/4	2,139.97	1/4	1,782.13	1/4	1,424.29	1/4	1,066.45	1/4	708.61	1/4	350.77	1/4		1/4		1/4		1/4	
1/2	2,132.51	1/2	1,774.67	1/2	1,416.83	1/2	1,058.99	1/2	701.15	1/2	343.31	1/2		1/2		1/2		1/2	
3/4	2,125.06	3/4	1,767.22	3/4	1,409.38	3/4	1,051.54	3/4	693.70	3/4	335.86	3/4		3/4		3/4		3/4	
5	2,117.60	5	1,759.76	5	1,401.92	5	1,044.08	5	686.24	5	328.40	5		5		5		5	
1/4	2,110.15	1/4	1,752.31	1/4	1,394.47	1/4	1,036.63	1/4	678.79	1/4	320.95	1/4		1/4		1/4		1/4	
1/2	2,102.69	1/2	1,744.85	1/2	1,387.01	1/2	1,029.17	1/2	671.33	1/2	313.49	1/2		1/2		1/2		1/2	
3/4	2,095.24	3/4	1,737.40	3/4	1,379.56	3/4	1,021.72	3/4	663.88	3/4	306.04	3/4		3/4		3/4		3/4	
6	2,087.78	6	1,729.94	6	1,372.10	6	1,014.26	6	656.42	6	298.58	6		6		6		6	
1/4	2,080.33	1/4	1,722.49	1/4	1,364.65	1/4	1,006.81	1/4	648.97	1/4	291.13	1/4		1/4		1/4		1/4	
1/2	2,072.87	1/2	1,715.03	1/2	1,357.19	1/2	999.35	1/2	641.51	1/2	283.67	1/2		1/2		1/2		1/2	
3/4	2,065.42	3/4	1,707.58	3/4	1,349.74	3/4	991.90	3/4	634.06	3/4	276.22	3/4		3/4		3/4		3/4	
7	2,057.96	7	1,700.12	7	1,342.28	7	984.44	7	626.60	7	268.76	7		7		7		7	
1/4	2,050.51	1/4	1,692.67	1/4	1,334.83	1/4	976.99	1/4	619.15	1/4	261.31	1/4		1/4		1/4		1/4	
1/2	2,043.05	1/2	1,685.21	1/2	1,327.37	1/2	969.53	1/2	611.69	1/2	253.85	1/2		1/2		1/2		1/2	
3/4	2,035.60	3/4	1,677.76	3/4	1,319.92	3/4	962.08	3/4	604.24	3/4	246.40	3/4		3/4		3/4		3/4	
8	2,028.14	8	1,670.30	8	1,312.46	8	954.62	8	596.78	8	238.94	8		8		8		8	
1/4	2,020.69	1/4	1,662.85	1/4	1,305.01	1/4	947.17	1/4	589.33	1/4	231.49	1/4		1/4		1/4		1/4	
1/2	2,013.23	1/2	1,655.39	1/2	1,297.55	1/2	939.71	1/2	581.87	1/2	224.03	1/2		1/2		1/2		1/2	
3/4	2,005.78	3/4	1,647.94	3/4	1,290.10	3/4	932.26	3/4	574.42	3/4	216.58	3/4		3/4		3/4		3/4	
9	1,998.32	9	1,640.48	9	1,282.64	9	924.80	9	566.96	9	209.12	9		9		9		9	
1/4	1,990.87	1/4	1,633.03	1/4	1,275.19	1/4	917.35	1/4	559.51	1/4	201.67	1/4		1/4		1/4		1/4	
1/2	1,983.41	1/2	1,625.57	1/2	1,267.73	1/2	909.89	1/2	552.05	1/2	194.21	1/2		1/2		1/2		1/2	
3/4	1,975.96	3/4	1,618.12	3/4	1,260.28	3/4	902.44	3/4	544.60	3/4	186.76	3/4		3/4		3/4		3/4	
10	1,968.50	10	1,610.66	10	1,252.82	10	894.98	10	537.14	10	179.30	10		10		10		10	
1/4	1,961.05	1/4	1,603.21	1/4	1,245.37	1/4	887.53	1/4	529.69	1/4	171.85	1/4		1/4		1/4		1/4	
1/2	1,953.59	1/2	1,595.75	1/2	1,237.91	1/2	880.07	1/2	522.23	1/2	164.39	1/2		1/2		1/2		1/2	
3/4	1,946.14	3/4	1,588.30	3/4	1,230.46	3/4	872.62	3/4	514.78	3/4	156.94	3/4		3/4		3/4		3/4	
11	1,938.68	11	1,580.84	11	1,223.00	11	865.16	11	507.32	11	149.48	11		11		11		11	
1/4	1,931.23	1/4	1,573.39	1/4	1,215.55	1/4	857.71	1/4	499.87	1/4	142.03	1/4		1/4		1/4		1/4	
1/2	1,923.77	1/2	1,565.93	1/2	1,208.09	1/2	850.25	1/2	492.41	1/2	134.57	1/2		1/2		1/2		1/2	
3/4	1,916.32	3/4	1,558.48	3/4	1,200.64	3/4	842.80	3/4	484.96	3/4	127.12	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/29/2008 INSP
RECALCULATED: 03/04/2024 JS
NAME CHANGE: 03/04/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2024

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 29140"

3 STBD ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30010"

GAUGE HEIGHT 16'-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	4,702.18	0	4,446.81	0	4,176.61	0	3,906.42	0	3,632.23	0	3,332.77	0	2,974.93	0	2,617.09
1/4		1/4		1/4	4,698.94	1/4	4,441.18	1/4	4,170.99	1/4	3,900.80	1/4	3,626.50	1/4	3,325.31	1/4	2,967.47	1/4	2,609.63
1/2		1/2		1/2	4,695.70	1/2	4,435.55	1/2	4,165.36	1/2	3,895.17	1/2	3,620.76	1/2	3,317.86	1/2	2,960.02	1/2	2,602.18
3/4		3/4		3/4	4,692.46	3/4	4,429.92	3/4	4,159.73	3/4	3,889.54	3/4	3,615.02	3/4	3,310.40	3/4	2,952.56	3/4	2,594.72
1		1		1	4,688.27	1	4,424.29	1	4,154.10	1	3,883.91	1	3,609.29	1	3,302.95	1	2,945.11	1	2,587.27
1/4		1/4		1/4	4,684.07	1/4	4,418.66	1/4	4,148.47	1/4	3,878.28	1/4	3,603.55	1/4	3,295.49	1/4	2,937.65	1/4	2,579.81
1/2		1/2		1/2	4,679.88	1/2	4,413.03	1/2	4,142.84	1/2	3,872.65	1/2	3,597.82	1/2	3,288.04	1/2	2,930.20	1/2	2,572.36
3/4		3/4		3/4	4,675.68	3/4	4,407.40	3/4	4,137.21	3/4	3,867.02	3/4	3,592.08	3/4	3,280.58	3/4	2,922.74	3/4	2,564.90
2		2		2	4,670.53	2	4,401.77	2	4,131.58	2	3,861.39	2	3,586.34	2	3,273.13	2	2,915.29	2	2,557.45
1/4		1/4		1/4	4,665.38	1/4	4,396.15	1/4	4,125.96	1/4	3,855.76	1/4	3,580.61	1/4	3,265.67	1/4	2,907.83	1/4	2,549.99
1/2		1/2		1/2	4,660.23	1/2	4,390.52	1/2	4,120.33	1/2	3,850.13	1/2	3,574.87	1/2	3,258.22	1/2	2,900.38	1/2	2,542.54
3/4		3/4		3/4	4,655.08	3/4	4,384.89	3/4	4,114.70	3/4	3,844.50	3/4	3,569.13	3/4	3,250.76	3/4	2,892.92	3/4	2,535.08
3		3		3	4,649.45	3	4,379.26	3	4,109.07	3	3,838.77	3	3,563.38	3	3,243.31	3	2,885.47	3	2,527.63
1/4		1/4		1/4	4,643.82	1/4	4,373.63	1/4	4,103.44	1/4	3,833.03	1/4	3,557.62	1/4	3,235.85	1/4	2,878.01	1/4	2,520.17
1/2		1/2		1/2	4,638.19	1/2	4,368.00	1/2	4,097.81	1/2	3,827.30	1/2	3,551.87	1/2	3,228.40	1/2	2,870.56	1/2	2,512.72
3/4		3/4		3/4	4,632.56	3/4	4,362.37	3/4	4,092.18	3/4	3,821.56	3/4	3,546.11	3/4	3,220.94	3/4	2,863.10	3/4	2,505.26
4		4		4	4,626.93	4	4,356.74	4	4,086.55	4	3,815.82	4	3,540.30	4	3,213.49	4	2,855.65	4	2,497.81
1/4		1/4		1/4	4,621.31	1/4	4,351.12	1/4	4,080.92	1/4	3,810.09	1/4	3,534.49	1/4	3,206.03	1/4	2,848.19	1/4	2,490.35
1/2		1/2		1/2	4,615.68	1/2	4,345.49	1/2	4,075.29	1/2	3,804.35	1/2	3,528.68	1/2	3,198.58	1/2	2,840.74	1/2	2,482.90
3/4		3/4		3/4	4,610.05	3/4	4,339.86	3/4	4,069.66	3/4	3,798.61	3/4	3,522.87	3/4	3,191.12	3/4	2,833.28	3/4	2,475.44
5		5		5	4,604.42	5	4,334.23	5	4,064.03	5	3,792.87	5	3,516.99	5	3,183.67	5	2,825.83	5	2,467.99
1/4		1/4		1/4	4,598.79	1/4	4,328.60	1/4	4,058.41	1/4	3,787.14	1/4	3,511.11	1/4	3,176.21	1/4	2,818.37	1/4	2,460.53
1/2		1/2		1/2	4,593.16	1/2	4,322.97	1/2	4,052.78	1/2	3,781.40	1/2	3,505.23	1/2	3,168.76	1/2	2,810.92	1/2	2,453.08
3/4		3/4		3/4	4,587.53	3/4	4,317.34	3/4	4,047.15	3/4	3,775.66	3/4	3,499.35	3/4	3,161.30	3/4	2,803.46	3/4	2,445.62
6		6		6	4,581.90	6	4,311.71	6	4,041.52	6	3,769.92	6	3,493.40	6	3,153.85	6	2,796.01	6	2,438.17
1/4		1/4		1/4	4,576.28	1/4	4,306.08	1/4	4,035.89	1/4	3,764.19	1/4	3,487.44	1/4	3,146.39	1/4	2,788.55	1/4	2,430.71
1/2		1/2		1/2	4,570.65	1/2	4,300.45	1/2	4,030.26	1/2	3,758.45	1/2	3,481.49	1/2	3,138.94	1/2	2,781.10	1/2	2,423.26
3/4		3/4		3/4	4,565.02	3/4	4,294.82	3/4	4,024.63	3/4	3,752.71	3/4	3,475.53	3/4	3,131.48	3/4	2,773.64	3/4	2,415.80
7		7		7	4,559.39	7	4,289.19	7	4,019.00	7	3,746.97	7	3,469.51	7	3,124.03	7	2,766.19	7	2,408.35
1/4		1/4		1/4	4,553.76	1/4	4,283.57	1/4	4,013.38	1/4	3,741.24	1/4	3,463.48	1/4	3,116.57	1/4	2,758.73	1/4	2,400.89
1/2		1/2		1/2	4,548.13	1/2	4,277.94	1/2	4,007.75	1/2	3,735.50	1/2	3,457.46	1/2	3,109.12	1/2	2,751.28	1/2	2,393.44
3/4		3/4		3/4	4,542.50	3/4	4,272.31	3/4	4,002.12	3/4	3,729.76	3/4	3,451.43	3/4	3,101.66	3/4	2,743.82	3/4	2,385.98
8		8		8	4,536.87	8	4,266.68	8	3,996.49	8	3,724.03	8	3,445.33	8	3,094.21	8	2,736.37	8	2,378.53
1/4		1/4		1/4	4,531.24	1/4	4,261.05	1/4	3,990.86	1/4	3,718.29	1/4	3,439.23	1/4	3,086.75	1/4	2,728.91	1/4	2,371.07
1/2		1/2		1/2	4,525.61	1/2	4,255.42	1/2	3,985.23	1/2	3,712.56	1/2	3,433.13	1/2	3,079.30	1/2	2,721.46	1/2	2,363.62
3/4		3/4		3/4	4,721.33	3/4	4,519.98	3/4	4,249.79	3/4	3,979.60	3/4	3,706.82	3/4	3,427.03	3/4	3,071.84	3/4	2,714.00
9		9		9	4,720.96	9	4,514.35	9	4,244.16	9	3,973.97	9	3,701.08	9	3,064.39	9	2,706.55	9	2,348.71
1/4		1/4		1/4	4,720.59	1/4	4,508.73	1/4	4,238.54	1/4	3,968.34	1/4	3,695.35	1/4	3,413.45	1/4	3,056.93	1/4	2,699.09
1/2		1/2		1/2	4,720.22	1/2	4,503.10	1/2	4,232.91	1/2	3,962.71	1/2	3,689.61	1/2	3,406.65	1/2	3,049.48	1/2	2,691.64
3/4		3/4		3/4	4,719.85	3/4	4,497.47	3/4	4,227.28	3/4	3,957.08	3/4	3,683.87	3/4	3,399.86	3/4	3,042.02	3/4	2,684.18
10		10		10	4,718.52	10	4,491.84	10	4,221.65	10	3,951.45	10	3,678.13	10	3,392.41	10	3,034.57	10	2,677.73
1/4		1/4		1/4	4,717.20	1/4	4,486.21	1/4	4,216.02	1/4	3,945.83	1/4	3,672.40	1/4	3,384.95	1/4	3,027.11	1/4	2,671.27
1/2		1/2		1/2	4,715.87	1/2	4,480.58	1/2	4,210.39	1/2	3,940.20	1/2	3,666.66	1/2	3,377.50	1/2	3,019.66	1/2	2,664.82
3/4		3/4		3/4	4,714.54	3/4	4,474.95	3/4	4,204.76	3/4	3,934.57	3/4	3,660.92	3/4	3,370.04	3/4	3,012.20	3/4	2,658.36
11		11		11	4,712.26	11	4,469.32	11	4,199.13	11	3,928.94	11	3,655.18	11	3,362.59	11	3,004.75	11	2,649.91
1/4		1/4		1/4	4,709.98	1/4	4,463.70	1/4	4,193.50	1/4	3,923.31	1/4	3,649.45	1/4	3,355.13	1/4	2,997.29	1/4	2,641.45
1/2		1/2		1/2	4,707.70	1/2	4,458.07	1/2	4,187.87	1/2	3,917.68	1/2	3,643.71	1/2	3,347.68	1/2	2,989.84	1/2	2,633.00
3/4		3/4		3/4	4,705.42	3/4	4,452.44	3/4	4,182.24	3/4	3,912.05	3/4	3,637.97	3/4	3,340.22	3/4	2,982.38	3/4	2,624.54

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 TO THE TOP LIP OF "MMC" VALVE.
 GAUGE POINT: (MMC) LOCATED 12'-09" OFF CENTERLINE AND 43'-07" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 29140"

3 STBD

ULLAGE TABLE

"MMC"

GAUGE HEIGHT 16'-03 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30010"

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	2,259.25	0	1,901.41	0	1,543.57	0	1,185.73	0	827.89	0	470.05	0	112.21	0		0		0	
1/4	2,251.79	1/4	1,893.95	1/4	1,536.11	1/4	1,178.27	1/4	820.43	1/4	462.59	1/4	104.75	1/4		1/4		1/4	
1/2	2,244.34	1/2	1,886.50	1/2	1,528.66	1/2	1,170.82	1/2	812.98	1/2	455.14	1/2	97.30	1/2		1/2		1/2	
3/4	2,236.88	3/4	1,879.04	3/4	1,521.20	3/4	1,163.36	3/4	805.52	3/4	447.68	3/4	89.84	3/4		3/4		3/4	
1	2,229.43	1	1,871.59	1	1,513.75	1	1,155.91	1	798.07	1	440.23	1	82.39	1		1		1	
1/4	2,221.97	1/4	1,864.13	1/4	1,506.29	1/4	1,148.45	1/4	790.61	1/4	432.77	1/4	74.93	1/4		1/4		1/4	
1/2	2,214.52	1/2	1,856.68	1/2	1,498.84	1/2	1,141.00	1/2	783.16	1/2	425.32	1/2	67.48	1/2		1/2		1/2	
3/4	2,207.06	3/4	1,849.22	3/4	1,491.38	3/4	1,133.54	3/4	775.70	3/4	417.86	3/4	60.02	3/4		3/4		3/4	
2	2,199.61	2	1,841.77	2	1,483.93	2	1,126.09	2	768.25	2	410.41	2	53.49	2		2		2	
1/4	2,192.15	1/4	1,834.31	1/4	1,476.47	1/4	1,118.63	1/4	760.79	1/4	402.95	1/4	46.95	1/4		1/4		1/4	
1/2	2,184.70	1/2	1,826.86	1/2	1,469.02	1/2	1,111.18	1/2	753.34	1/2	395.50	1/2	40.42	1/2		1/2		1/2	
3/4	2,177.24	3/4	1,819.40	3/4	1,461.56	3/4	1,103.72	3/4	745.88	3/4	388.04	3/4	33.88	3/4		3/4		3/4	
3	2,169.79	3	1,811.95	3	1,454.11	3	1,096.27	3	738.43	3	380.59	3	29.21	3		3		3	
1/4	2,162.33	1/4	1,804.49	1/4	1,446.65	1/4	1,088.81	1/4	730.97	1/4	373.13	1/4	24.55	1/4		1/4		1/4	
1/2	2,154.88	1/2	1,797.04	1/2	1,439.20	1/2	1,081.36	1/2	723.52	1/2	365.68	1/2	19.88	1/2		1/2		1/2	
3/4	2,147.42	3/4	1,789.58	3/4	1,431.74	3/4	1,073.90	3/4	716.06	3/4	358.22	3/4	15.21	3/4		3/4		3/4	
4	2,139.97	4	1,782.13	4	1,424.29	4	1,066.45	4	708.61	4	350.77	4		4		4		4	
1/4	2,132.51	1/4	1,774.67	1/4	1,416.83	1/4	1,058.99	1/4	701.15	1/4	343.31	1/4		1/4		1/4		1/4	
1/2	2,125.06	1/2	1,767.22	1/2	1,409.38	1/2	1,051.54	1/2	693.70	1/2	335.86	1/2		1/2		1/2		1/2	
3/4	2,117.60	3/4	1,759.76	3/4	1,401.92	3/4	1,044.08	3/4	686.24	3/4	328.40	3/4		3/4		3/4		3/4	
5	2,110.15	5	1,752.31	5	1,394.47	5	1,036.63	5	678.79	5	320.95	5		5		5		5	
1/4	2,102.69	1/4	1,744.85	1/4	1,387.01	1/4	1,029.17	1/4	671.33	1/4	313.49	1/4		1/4		1/4		1/4	
1/2	2,095.24	1/2	1,737.40	1/2	1,379.56	1/2	1,021.72	1/2	663.88	1/2	306.04	1/2		1/2		1/2		1/2	
3/4	2,087.78	3/4	1,729.94	3/4	1,372.10	3/4	1,014.26	3/4	656.42	3/4	298.58	3/4		3/4		3/4		3/4	
6	2,080.33	6	1,722.49	6	1,364.65	6	1,006.81	6	648.97	6	291.13	6		6		6		6	
1/4	2,072.87	1/4	1,715.03	1/4	1,357.19	1/4	999.35	1/4	641.51	1/4	283.67	1/4		1/4		1/4		1/4	
1/2	2,065.42	1/2	1,707.58	1/2	1,349.74	1/2	991.90	1/2	634.06	1/2	276.22	1/2		1/2		1/2		1/2	
3/4	2,057.96	3/4	1,700.12	3/4	1,342.28	3/4	984.44	3/4	626.60	3/4	268.76	3/4		3/4		3/4		3/4	
7	2,050.51	7	1,692.67	7	1,334.83	7	976.99	7	619.15	7	261.31	7		7		7		7	
1/4	2,043.05	1/4	1,685.21	1/4	1,327.37	1/4	969.53	1/4	611.69	1/4	253.85	1/4		1/4		1/4		1/4	
1/2	2,035.60	1/2	1,677.76	1/2	1,319.92	1/2	962.08	1/2	604.24	1/2	246.40	1/2		1/2		1/2		1/2	
3/4	2,028.14	3/4	1,670.30	3/4	1,312.46	3/4	954.62	3/4	596.78	3/4	238.94	3/4		3/4		3/4		3/4	
8	2,020.69	8	1,662.85	8	1,305.01	8	947.17	8	589.33	8	231.49	8		8		8		8	
1/4	2,013.23	1/4	1,655.39	1/4	1,297.55	1/4	939.71	1/4	581.87	1/4	224.03	1/4		1/4		1/4		1/4	
1/2	2,005.78	1/2	1,647.94	1/2	1,290.10	1/2	932.26	1/2	574.42	1/2	216.58	1/2		1/2		1/2		1/2	
3/4	1,998.32	3/4	1,640.48	3/4	1,282.64	3/4	924.80	3/4	566.96	3/4	209.12	3/4		3/4		3/4		3/4	
9	1,990.87	9	1,633.03	9	1,275.19	9	917.35	9	559.51	9	201.67	9		9		9		9	
1/4	1,983.41	1/4	1,625.57	1/4	1,267.73	1/4	909.89	1/4	552.05	1/4	194.21	1/4		1/4		1/4		1/4	
1/2	1,975.96	1/2	1,618.12	1/2	1,260.28	1/2	902.44	1/2	544.60	1/2	186.76	1/2		1/2		1/2		1/2	
3/4	1,968.50	3/4	1,610.66	3/4	1,252.82	3/4	894.98	3/4	537.14	3/4	179.30	3/4		3/4		3/4		3/4	
10	1,961.05	10	1,603.21	10	1,245.37	10	887.53	10	529.69	10	171.85	10		10		10		10	
1/4	1,953.59	1/4	1,595.75	1/4	1,237.91	1/4	880.07	1/4	522.23	1/4	164.39	1/4		1/4		1/4		1/4	
1/2	1,946.14	1/2	1,588.30	1/2	1,230.46	1/2	872.62	1/2	514.78	1/2	156.94	1/2		1/2		1/2		1/2	
3/4	1,938.68	3/4	1,580.84	3/4	1,223.00	3/4	865.16	3/4	507.32	3/4	149.48	3/4		3/4		3/4		3/4	
11	1,931.23	11	1,573.39	11	1,215.55	11	857.71	11	499.87	11	142.03	11		11		11		11	
1/4	1,923.77	1/4	1,565.93	1/4	1,208.09	1/4	850.25	1/4	492.41	1/4	134.57	1/4		1/4		1/4		1/4	
1/2	1,916.32	1/2	1,558.48	1/2	1,200.64	1/2	842.80	1/2	484.96	1/2	127.12	1/2		1/2		1/2		1/2	
3/4	1,908.86	3/4	1,551.02	3/4	1,193.18	3/4	835.34	3/4	477.50	3/4	119.66	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/29/2008 INSP
RECALCULATED: 03/04/2024 JS
NAME CHANGE: 03/04/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2024

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 29140"

SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 6'-04 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	205	0	483	0	777	0	1,044	0		0		0		0		0	
1/4	3	1/4	210	1/4	489	1/4	782	1/4	1,049	1/4		1/4		1/4		1/4		1/4	
1/2	5	1/2	216	1/2	496	1/2	788	1/2	1,054	1/2		1/2		1/2		1/2		1/2	
3/4	8	3/4	221	3/4	502	3/4	794	3/4	1,059	3/4		3/4		3/4		3/4		3/4	
1	10	1	227	1	508	1	800	1	1,064	1		1		1		1		1	
1/4	13	1/4	232	1/4	514	1/4	806	1/4	1,068	1/4		1/4		1/4		1/4		1/4	
1/2	16	1/2	238	1/2	520	1/2	812	1/2	1,073	1/2		1/2		1/2		1/2		1/2	
3/4	20	3/4	243	3/4	526	3/4	818	3/4	1,078	3/4		3/4		3/4		3/4		3/4	
2	23	2	249	2	532	2	824	2	1,083	2		2		2		2		2	
1/4	26	1/4	254	1/4	538	1/4	830	1/4	1,087	1/4		1/4		1/4		1/4		1/4	
1/2	30	1/2	260	1/2	544	1/2	836	1/2	1,092	1/2		1/2		1/2		1/2		1/2	
3/4	33	3/4	265	3/4	551	3/4	842	3/4	1,096	3/4		3/4		3/4		3/4		3/4	
3	37	3	271	3	557	3	848	3	1,101	3		3		3		3		3	
1/4	41	1/4	277	1/4	563	1/4	853	1/4	1,105	1/4		1/4		1/4		1/4		1/4	
1/2	45	1/2	282	1/2	569	1/2	859	1/2	1,110	1/2		1/2		1/2		1/2		1/2	
3/4	49	3/4	288	3/4	575	3/4	865	3/4	1,114	3/4		3/4		3/4		3/4		3/4	
4	53	4	294	4	581	4	871	4	1,118	4		4		4		4		4	
1/4	57	1/4	299	1/4	587	1/4	877	1/4	1,122	1/4		1/4		1/4		1/4		1/4	
1/2	61	1/2	305	1/2	594	1/2	882	1/2	1,126	1/2		1/2		1/2		1/2		1/2	
3/4	65	3/4	311	3/4	600	3/4	888	3/4	1,131	3/4		3/4		3/4		3/4		3/4	
5	69	5	316	5	606	5	894	5	1,135	5		5		5		5		5	
1/4	73	1/4	322	1/4	612	1/4	899	1/4	1,139	1/4		1/4		1/4		1/4		1/4	
1/2	78	1/2	328	1/2	618	1/2	905	1/2	1,142	1/2		1/2		1/2		1/2		1/2	
3/4	82	3/4	334	3/4	624	3/4	911	3/4	1,146	3/4		3/4		3/4		3/4		3/4	
6	86	6	340	6	630	6	916	6	1,150	6		6		6		6		6	
1/4	91	1/4	346	1/4	637	1/4	922	1/4	1,154	1/4		1/4		1/4		1/4		1/4	
1/2	96	1/2	351	1/2	643	1/2	928	1/2	1,157	1/2		1/2		1/2		1/2		1/2	
3/4	100	3/4	357	3/4	649	3/4	933	3/4	1,161	3/4		3/4		3/4		3/4		3/4	
7	105	7	363	7	655	7	939	7	1,164	7		7		7		7		7	
1/4	109	1/4	369	1/4	661	1/4	944	1/4	1,168	1/4		1/4		1/4		1/4		1/4	
1/2	114	1/2	375	1/2	667	1/2	950	1/2	1,171	1/2		1/2		1/2		1/2		1/2	
3/4	119	3/4	381	3/4	673	3/4	955	3/4	1,174	3/4		3/4		3/4		3/4		3/4	
8	124	8	387	8	680	8	961	8	1,177	8		8		8		8		8	
1/4	128	1/4	393	1/4	686	1/4	966	1/4	1,180	1/4		1/4		1/4		1/4		1/4	
1/2	133	1/2	399	1/2	692	1/2	971	1/2	1,182	1/2		1/2		1/2		1/2		1/2	
3/4	138	3/4	405	3/4	698	3/4	977	3/4	1,185	3/4		3/4		3/4		3/4		3/4	
9	143	9	411	9	704	9	982	9	1,187	9		9		9		9		9	
1/4	148	1/4	417	1/4	710	1/4	988	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	153	1/2	423	1/2	716	1/2	993	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158	3/4	429	3/4	722	3/4	998	3/4		3/4		3/4		3/4		3/4		3/4	
10	163	10	435	10	728	10	1,003	10		10		10		10		10		10	
1/4	168	1/4	441	1/4	734	1/4	1,009	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	174	1/2	447	1/2	740	1/2	1,014	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	179	3/4	453	3/4	746	3/4	1,019	3/4		3/4		3/4		3/4		3/4		3/4	
11	184	11	459	11	752	11	1,024	11		11		11		11		11		11	
1/4	189	1/4	465	1/4	758	1/4	1,029	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	194	1/2	471	1/2	764	1/2	1,034	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	200	3/4	477	3/4	770	3/4	1,039	3/4		3/4		3/4		3/4		3/4		3/4	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES .

STRAPPED: 02/28/2024 JS
CALCULATED: 02/28/2024 CL
VERIFIED: 02/28/2024 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2024

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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