



BARGE "KIRBY 29143"

ULLAGE TRIM TABLE

FORMERLY "SMS 30019"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 8'-00"
 DIFF. = 6'-00" (DOWN BY STERN)

THE CORRECTION FOR 6'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 00-1/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 7/8"

April 1, 2021

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

<http://www.pmacorp.net>





BARGE "KIRBY 29143"

1 PORT ULLAGE TABLE

MMC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30019"

GAUGE HEIGHT 15'-10 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,920.53	0	4,562.79	0	4,205.12	0	3,847.30	0	3,489.55	0	3,131.81	0	2,774.07	0	2,416.32
1/4		1/4		1/4	4,913.08	1/4	4,555.34	1/4	4,197.69	1/4	3,839.85	1/4	3,482.10	1/4	3,124.36	1/4	2,766.62	1/4	2,408.87
1/2		1/2		1/2	4,905.63	1/2	4,547.88	1/2	4,190.21	1/2	3,832.40	1/2	3,474.65	1/2	3,116.91	1/2	2,759.16	1/2	2,401.42
3/4		3/4		3/4	4,898.17	3/4	4,540.43	3/4	4,182.73	3/4	3,824.94	3/4	3,467.19	3/4	3,109.45	3/4	2,751.71	3/4	2,393.97
1		1		1	4,890.72	1	4,532.97	1	4,175.26	1	3,817.49	1	3,459.74	1	3,102.00	1	2,744.25	1	2,386.51
1/4		1/4		1/4	4,883.27	1/4	4,525.52	1/4	4,167.78	1/4	3,810.04	1/4	3,452.29	1/4	3,094.55	1/4	2,736.80	1/4	2,379.06
1/2		1/2		1/2	4,875.82	1/2	4,518.07	1/2	4,160.33	1/2	3,802.58	1/2	3,444.84	1/2	3,087.10	1/2	2,729.35	1/2	2,371.61
3/4		3/4		3/4	4,868.36	3/4	4,510.61	3/4	4,152.87	3/4	3,795.13	3/4	3,437.38	3/4	3,079.64	3/4	2,721.89	3/4	2,364.16
2		2		2	4,860.91	2	4,503.16	2	4,145.42	2	3,787.67	2	3,429.93	2	3,072.19	2	2,714.44	2	2,356.70
1/4		1/4		1/4	4,853.46	1/4	4,495.71	1/4	4,137.97	1/4	3,780.22	1/4	3,422.48	1/4	3,064.74	1/4	2,706.99	1/4	2,349.25
1/2		1/2		1/2	4,846.00	1/2	4,488.51	1/2	4,130.52	1/2	3,772.77	1/2	3,415.03	1/2	3,057.28	1/2	2,699.54	1/2	2,341.80
3/4		3/4		3/4	4,838.55	3/4	4,481.30	3/4	4,123.06	3/4	3,765.31	3/4	3,407.57	3/4	3,049.83	3/4	2,692.08	3/4	2,334.35
3		3		3	4,831.09	3	4,474.10	3	4,115.61	3	3,757.86	3	3,400.12	3	3,042.37	3	2,684.63	3	2,326.89
1/4		1/4	5,092.12	1/4	4,823.64	1/4	4,466.90	1/4	4,108.16	1/4	3,750.41	1/4	3,392.67	1/4	3,034.92	1/4	2,677.18	1/4	2,319.44
1/2		1/2	5,091.50	1/2	4,816.19	1/2	4,459.20	1/2	4,100.70	1/2	3,742.96	1/2	3,385.22	1/2	3,027.47	1/2	2,669.73	1/2	2,311.99
3/4		3/4	5,090.88	3/4	4,808.73	3/4	4,451.49	3/4	4,093.25	3/4	3,735.50	3/4	3,377.76	3/4	3,020.01	3/4	2,662.27	3/4	2,304.53
4		4	5,090.25	4	4,801.28	4	4,443.79	4	4,085.79	4	3,728.05	4	3,370.31	4	3,012.56	4	2,654.82	4	2,297.08
1/4		1/4	5,089.63	1/4	4,793.83	1/4	4,436.09	1/4	4,078.34	1/4	3,720.60	1/4	3,362.86	1/4	3,005.11	1/4	2,647.37	1/4	2,289.62
1/2		1/2	5,087.76	1/2	4,786.38	1/2	4,428.64	1/2	4,070.89	1/2	3,713.15	1/2	3,355.40	1/2	2,997.66	1/2	2,639.92	1/2	2,282.17
3/4		3/4	5,085.90	3/4	4,778.92	3/4	4,421.18	3/4	4,063.43	3/4	3,705.69	3/4	3,347.95	3/4	2,990.20	3/4	2,632.46	3/4	2,274.72
5		5	5,084.03	5	4,771.47	5	4,413.73	5	4,055.98	5	3,698.24	5	3,340.49	5	2,982.75	5	2,625.01	5	2,267.26
1/4		1/4	5,082.16	1/4	4,764.02	1/4	4,406.28	1/4	4,048.53	1/4	3,690.79	1/4	3,333.04	1/4	2,975.30	1/4	2,617.56	1/4	2,259.81
1/2		1/2	5,079.05	1/2	4,756.57	1/2	4,398.82	1/2	4,041.08	1/2	3,683.34	1/2	3,325.59	1/2	2,967.85	1/2	2,610.11	1/2	2,252.36
3/4		3/4	5,075.94	3/4	4,749.11	3/4	4,391.37	3/4	4,033.62	3/4	3,675.88	3/4	3,318.13	3/4	2,960.39	3/4	2,602.65	3/4	2,244.91
6		6	5,072.83	6	4,741.66	6	4,383.91	6	4,026.17	6	3,668.43	6	3,310.68	6	2,952.94	6	2,595.20	6	2,237.45
1/4		1/4	5,069.72	1/4	4,734.21	1/4	4,376.46	1/4	4,018.72	1/4	3,660.98	1/4	3,303.23	1/4	2,945.49	1/4	2,587.74	1/4	2,230.00
1/2		1/2	5,065.36	1/2	4,726.76	1/2	4,369.01	1/2	4,011.27	1/2	3,653.52	1/2	3,295.78	1/2	2,938.04	1/2	2,580.29	1/2	2,222.55
3/4		3/4	5,061.01	3/4	4,719.30	3/4	4,361.55	3/4	4,003.81	3/4	3,646.07	3/4	3,288.32	3/4	2,930.58	3/4	2,572.84	3/4	2,215.10
7		7	5,056.65	7	4,711.85	7	4,354.10	7	3,996.36	7	3,638.61	7	3,280.87	7	2,923.13	7	2,565.38	7	2,207.64
1/4		1/4	5,052.29	1/4	4,704.40	1/4	4,346.65	1/4	3,988.91	1/4	3,631.16	1/4	3,273.42	1/4	2,915.68	1/4	2,557.93	1/4	2,200.19
1/2		1/2	5,046.69	1/2	4,696.97	1/2	4,339.20	1/2	3,981.46	1/2	3,623.71	1/2	3,265.97	1/2	2,908.22	1/2	2,550.48	1/2	2,192.74
3/4		3/4	5,041.09	3/4	4,689.54	3/4	4,331.74	3/4	3,974.00	3/4	3,616.25	3/4	3,258.51	3/4	2,900.77	3/4	2,543.03	3/4	2,185.29
8		8	5,035.49	8	4,682.11	8	4,324.29	8	3,966.55	8	3,608.80	8	3,251.06	8	2,893.31	8	2,535.57	8	2,177.83
1/4		1/4	5,029.89	1/4	4,674.68	1/4	4,316.84	1/4	3,959.10	1/4	3,601.35	1/4	3,243.61	1/4	2,885.86	1/4	2,528.12	1/4	2,170.38
1/2		1/2	5,023.05	1/2	4,667.20	1/2	4,309.39	1/2	3,951.64	1/2	3,593.90	1/2	3,236.16	1/2	2,878.41	1/2	2,520.67	1/2	2,162.93
3/4		3/4	5,016.21	3/4	4,659.72	3/4	4,301.93	3/4	3,944.19	3/4	3,586.44	3/4	3,228.70	3/4	2,870.95	3/4	2,513.22	3/4	2,155.47
9		9	5,009.36	9	4,652.25	9	4,294.48	9	3,936.73	9	3,578.99	9	3,221.25	9	2,863.50	9	2,505.76	9	2,148.02
1/4		1/4	5,002.52	1/4	4,644.77	1/4	4,287.03	1/4	3,929.28	1/4	3,571.54	1/4	3,213.80	1/4	2,856.05	1/4	2,498.31	1/4	2,140.56
1/2		1/2	4,995.07	1/2	4,637.32	1/2	4,279.58	1/2	3,921.83	1/2	3,564.09	1/2	3,206.34	1/2	2,848.60	1/2	2,490.86	1/2	2,133.11
3/4		3/4	4,987.61	3/4	4,629.86	3/4	4,272.12	3/4	3,914.37	3/4	3,556.63	3/4	3,198.89	3/4	2,841.14	3/4	2,483.41	3/4	2,125.66
10		10	4,980.16	10	4,622.41	10	4,264.67	10	3,906.92	10	3,549.18	10	3,191.43	10	2,833.69	10	2,475.95	10	2,118.20
1/4		1/4	4,972.70	1/4	4,614.96	1/4	4,257.22	1/4	3,899.47	1/4	3,541.73	1/4	3,183.98	1/4	2,826.24	1/4	2,468.50	1/4	2,110.75
1/2		1/2	4,965.25	1/2	4,607.51	1/2	4,249.76	1/2	3,892.02	1/2	3,534.28	1/2	3,176.53	1/2	2,818.79	1/2	2,461.05	1/2	2,103.30
3/4		3/4	4,957.80	3/4	4,600.05	3/4	4,242.31	3/4	3,884.56	3/4	3,526.82	3/4	3,169.07	3/4	2,811.33	3/4	2,453.59	3/4	2,095.85
11		11	4,950.34	11	4,592.60	11	4,234.85	11	3,877.11	11	3,519.37	11	3,161.62	11	2,803.88	11	2,446.14	11	2,088.39
1/4		1/4	4,942.89	1/4	4,585.15	1/4	4,227.40	1/4	3,869.66	1/4	3,511.92	1/4	3,154.17	1/4	2,796.43	1/4	2,438.68	1/4	2,080.94
1/2		1/2	4,935.44	1/2	4,577.70	1/2	4,219.97	1/2	3,862.21	1/2	3,504.46	1/2	3,146.72	1/2	2,788.98	1/2	2,431.23	1/2	2,073.49
3/4		3/4	4,927.99	3/4	4,570.24	3/4	4,212.54	3/4	3,854.75	3/4	3,497.01	3/4	3,139.26	3/4	2,781.52	3/4	2,423.78	3/4	2,066.04

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 TOP OF THREADS ON "MMC" VALVE
 GAUGE POINT: (MMC) LOCATED 12'-09" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 29143"

1 PORT ULLAGE TABLE MMC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30019"

GAUGE HEIGHT 15'-10 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,058.58	0	1,700.84	0	1,343.09	0	985.35	0	627.58	0	276.97	0		0		0		0	
1/4	2,051.13	1/4	1,693.38	1/4	1,335.64	1/4	977.90	1/4	620.15	1/4	269.94	1/4		1/4		1/4		1/4	
1/2	2,043.68	1/2	1,685.93	1/2	1,328.19	1/2	970.44	1/2	612.70	1/2	263.03	1/2		1/2		1/2		1/2	
3/4	2,036.23	3/4	1,678.48	3/4	1,320.74	3/4	962.99	3/4	605.24	3/4	256.13	3/4		3/4		3/4		3/4	
1	2,028.77	1	1,671.02	1	1,313.28	1	955.53	1	597.79	1	249.22	1		1		1		1	
1/4	2,021.32	1/4	1,663.57	1/4	1,305.83	1/4	948.08	1/4	590.34	1/4	242.32	1/4		1/4		1/4		1/4	
1/2	2,013.87	1/2	1,656.12	1/2	1,298.38	1/2	940.63	1/2	582.89	1/2	235.41	1/2		1/2		1/2		1/2	
3/4	2,006.41	3/4	1,648.67	3/4	1,290.93	3/4	933.17	3/4	575.43	3/4	228.50	3/4		3/4		3/4		3/4	
2	1,998.96	2	1,641.21	2	1,283.47	2	925.72	2	567.98	2	221.60	2		2		2		2	
1/4	1,991.50	1/4	1,633.76	1/4	1,276.02	1/4	918.27	1/4	560.53	1/4	214.69	1/4		1/4		1/4		1/4	
1/2	1,984.05	1/2	1,626.31	1/2	1,268.57	1/2	910.82	1/2	553.08	1/2	207.91	1/2		1/2		1/2		1/2	
3/4	1,976.60	3/4	1,618.86	3/4	1,261.11	3/4	903.36	3/4	545.62	3/4	201.12	3/4		3/4		3/4		3/4	
3	1,969.14	3	1,611.40	3	1,253.66	3	895.91	3	538.17	3	194.34	3		3		3		3	
1/4	1,961.69	1/4	1,603.95	1/4	1,246.20	1/4	888.46	1/4	530.72	1/4	187.56	1/4		1/4		1/4		1/4	
1/2	1,954.24	1/2	1,596.50	1/2	1,238.75	1/2	881.01	1/2	523.26	1/2	180.78	1/2		1/2		1/2		1/2	
3/4	1,946.79	3/4	1,589.05	3/4	1,231.30	3/4	873.55	3/4	515.81	3/4	173.99	3/4		3/4		3/4		3/4	
4	1,939.33	4	1,581.59	4	1,223.84	4	866.10	4	508.35	4	167.21	4		4		4		4	
1/4	1,931.88	1/4	1,574.14	1/4	1,216.39	1/4	858.65	1/4	500.90	1/4	160.43	1/4		1/4		1/4		1/4	
1/2	1,924.43	1/2	1,566.69	1/2	1,208.94	1/2	851.20	1/2	493.50	1/2	153.77	1/2		1/2		1/2		1/2	
3/4	1,916.98	3/4	1,559.23	3/4	1,201.49	3/4	843.74	3/4	486.09	3/4	147.11	3/4		3/4		3/4		3/4	
5	1,909.52	5	1,551.78	5	1,194.03	5	836.29	5	478.69	5	140.46	5		5		5		5	
1/4	1,902.07	1/4	1,544.32	1/4	1,186.58	1/4	828.84	1/4	471.29	1/4	133.80	1/4		1/4		1/4		1/4	
1/2	1,894.62	1/2	1,536.87	1/2	1,179.13	1/2	821.38	1/2	463.88	1/2	127.14	1/2		1/2		1/2		1/2	
3/4	1,887.17	3/4	1,529.42	3/4	1,171.68	3/4	813.93	3/4	456.48	3/4	120.48	3/4		3/4		3/4		3/4	
6	1,879.71	6	1,521.96	6	1,164.22	6	806.47	6	449.07	6	113.83	6		6		6		6	
1/4	1,872.26	1/4	1,514.51	1/4	1,156.77	1/4	799.02	1/4	441.67	1/4	107.17	1/4		1/4		1/4		1/4	
1/2	1,864.81	1/2	1,507.06	1/2	1,149.32	1/2	791.57	1/2	434.39	1/2	100.64	1/2		1/2		1/2		1/2	
3/4	1,857.35	3/4	1,499.61	3/4	1,141.87	3/4	784.11	3/4	427.11	3/4	94.10	3/4		3/4		3/4		3/4	
7	1,849.90	7	1,492.15	7	1,134.41	7	776.66	7	419.83	7	87.57	7		7		7		7	
1/4	1,842.44	1/4	1,484.70	1/4	1,126.96	1/4	769.21	1/4	412.55	1/4	81.04	1/4		1/4		1/4		1/4	
1/2	1,834.99	1/2	1,477.25	1/2	1,119.51	1/2	761.76	1/2	405.27	1/2	74.50	1/2		1/2		1/2		1/2	
3/4	1,827.54	3/4	1,469.80	3/4	1,112.05	3/4	754.30	3/4	397.99	3/4	67.97	3/4		3/4		3/4		3/4	
8	1,820.08	8	1,462.34	8	1,104.60	8	746.85	8	390.71	8	61.43	8		8		8		8	
1/4	1,812.63	1/4	1,454.89	1/4	1,097.14	1/4	739.40	1/4	383.43	1/4	54.90	1/4		1/4		1/4		1/4	
1/2	1,805.18	1/2	1,447.44	1/2	1,089.69	1/2	731.95	1/2	376.27	1/2	49.22	1/2		1/2		1/2		1/2	
3/4	1,797.73	3/4	1,439.99	3/4	1,082.24	3/4	724.49	3/4	369.12	3/4	43.55	3/4		3/4		3/4		3/4	
9	1,790.27	9	1,432.53	9	1,074.78	9	717.04	9	361.96	9	37.87	9		9		9		9	
1/4	1,782.82	1/4	1,425.08	1/4	1,067.33	1/4	709.59	1/4	354.81	1/4	32.20	1/4		1/4		1/4		1/4	
1/2	1,775.37	1/2	1,417.63	1/2	1,059.88	1/2	702.14	1/2	347.65	1/2	27.99	1/2		1/2		1/2		1/2	
3/4	1,767.92	3/4	1,410.17	3/4	1,052.43	3/4	694.68	3/4	340.50	3/4	23.78	3/4		3/4		3/4		3/4	
10	1,760.46	10	1,402.72	10	1,044.97	10	687.23	10	333.34	10	19.57	10		10		10		10	
1/4	1,753.01	1/4	1,395.26	1/4	1,037.52	1/4	679.78	1/4	326.19	1/4	15.36	1/4		1/4		1/4		1/4	
1/2	1,745.56	1/2	1,387.81	1/2	1,030.07	1/2	672.30	1/2	319.16	1/2		1/2		1/2		1/2		1/2	
3/4	1,738.11	3/4	1,380.36	3/4	1,022.61	3/4	664.82	3/4	312.13	3/4		3/4		3/4		3/4		3/4	
11	1,730.65	11	1,372.90	11	1,015.16	11	657.34	11	305.10	11		11		11		11		11	
1/4	1,723.20	1/4	1,365.45	1/4	1,007.71	1/4	649.86	1/4	298.07	1/4		1/4		1/4		1/4		1/4	
1/2	1,715.75	1/2	1,358.00	1/2	1,000.26	1/2	642.43	1/2	291.04	1/2		1/2		1/2		1/2		1/2	
3/4	1,708.29	3/4	1,350.55	3/4	992.80	3/4	635.00	3/4	284.00	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/07/2011 INSP
RECALCULATED: 03/31/2021 PMA
REPRINTED: 03/31/2021 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2021

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



BARGE "KIRBY 29143"

1 STBD ULLAGE TABLE

MMC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30019"

GAUGE HEIGHT 15'-10 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	4,935.44	0	4,577.70	0	4,219.97	0	3,862.21	0	3,504.46	0	3,146.72	0	2,788.98	0	2,431.23		
1/4		1/4		1/4	4,927.99	1/4	4,570.24	1/4	4,212.54	1/4	3,854.75	1/4	3,497.01	1/4	3,139.26	1/4	2,781.52	1/4	2,423.78		
1/2		1/2		1/2	4,920.53	1/2	4,562.79	1/2	4,205.12	1/2	3,847.30	1/2	3,489.55	1/2	3,131.81	1/2	2,774.07	1/2	2,416.32		
3/4		3/4		3/4	4,913.08	3/4	4,555.34	3/4	4,197.69	3/4	3,839.85	3/4	3,482.10	3/4	3,124.36	3/4	2,766.62	3/4	2,408.87		
1		1		1	4,905.63	1	4,547.88	1	4,190.21	1	3,832.40	1	3,474.65	1	3,116.91	1	2,759.16	1	2,401.42		
1/4		1/4		1/4	4,898.17	1/4	4,540.43	1/4	4,182.73	1/4	3,824.94	1/4	3,467.19	1/4	3,109.45	1/4	2,751.71	1/4	2,393.97		
1/2		1/2		1/2	4,890.72	1/2	4,532.97	1/2	4,175.26	1/2	3,817.49	1/2	3,459.74	1/2	3,102.00	1/2	2,744.25	1/2	2,386.51		
3/4		3/4		3/4	4,883.27	3/4	4,525.52	3/4	4,167.78	3/4	3,810.04	3/4	3,452.29	3/4	3,094.55	3/4	2,736.80	3/4	2,379.06		
2		2		2	4,875.82	2	4,518.07	2	4,160.33	2	3,802.58	2	3,444.84	2	3,087.10	2	2,729.35	2	2,371.61		
1/4		1/4		1/4	4,868.36	1/4	4,510.61	1/4	4,152.87	1/4	3,795.13	1/4	3,437.38	1/4	3,079.64	1/4	2,721.89	1/4	2,364.16		
1/2		1/2		1/2	4,860.91	1/2	4,503.16	1/2	4,145.42	1/2	3,787.67	1/2	3,429.93	1/2	3,072.19	1/2	2,714.44	1/2	2,356.70		
3/4		3/4		3/4	4,853.46	3/4	4,495.71	3/4	4,137.97	3/4	3,780.22	3/4	3,422.48	3/4	3,064.74	3/4	2,706.99	3/4	2,349.25		
3		3		3	4,846.00	3	4,488.51	3	4,130.52	3	3,772.77	3	3,415.03	3	3,057.28	3	2,699.54	3	2,341.80		
1/4		1/4		1/4	4,838.55	1/4	4,481.30	1/4	4,123.06	1/4	3,765.31	1/4	3,407.57	1/4	3,049.83	1/4	2,692.08	1/4	2,334.35		
1/2		1/2		1/2	4,831.09	1/2	4,474.10	1/2	4,115.61	1/2	3,757.86	1/2	3,400.12	1/2	3,042.37	1/2	2,684.63	1/2	2,326.89		
3/4		3/4		3/4	5,092.12	3/4	4,823.64	3/4	4,466.90	3/4	4,108.16	3/4	3,392.67	3/4	3,034.92	3/4	2,677.18	3/4	2,319.44		
4		4		4	5,091.50	4	4,816.19	4	4,459.20	4	4,100.70	4	3,742.96	4	3,385.22	4	3,027.47	4	2,669.73	4	2,311.99
1/4		1/4		1/4	5,090.88	1/4	4,808.73	1/4	4,451.49	1/4	4,093.25	1/4	3,735.50	1/4	3,377.76	1/4	3,020.01	1/4	2,662.27	1/4	2,304.53
1/2		1/2		1/2	5,090.25	1/2	4,801.28	1/2	4,443.79	1/2	4,085.79	1/2	3,728.05	1/2	3,370.31	1/2	3,012.56	1/2	2,654.82	1/2	2,297.08
3/4		3/4		3/4	5,089.63	3/4	4,793.83	3/4	4,436.09	3/4	4,078.34	3/4	3,720.60	3/4	3,362.86	3/4	3,005.11	3/4	2,647.37	3/4	2,289.62
5		5		5	5,087.76	5	4,786.38	5	4,428.64	5	4,070.89	5	3,713.15	5	3,355.40	5	2,997.66	5	2,639.92	5	2,282.17
1/4		1/4		1/4	5,085.90	1/4	4,778.92	1/4	4,421.18	1/4	4,063.43	1/4	3,705.69	1/4	3,347.95	1/4	2,990.20	1/4	2,632.46	1/4	2,274.72
1/2		1/2		1/2	5,084.03	1/2	4,771.47	1/2	4,413.73	1/2	4,055.98	1/2	3,698.24	1/2	3,340.49	1/2	2,982.75	1/2	2,625.01	1/2	2,267.26
3/4		3/4		3/4	5,082.16	3/4	4,764.02	3/4	4,406.28	3/4	4,048.53	3/4	3,690.79	3/4	3,333.04	3/4	2,975.30	3/4	2,617.56	3/4	2,259.81
6		6		6	5,079.05	6	4,756.57	6	4,398.82	6	4,041.08	6	3,683.34	6	3,325.59	6	2,967.85	6	2,610.11	6	2,252.36
1/4		1/4		1/4	5,075.94	1/4	4,749.11	1/4	4,391.37	1/4	4,033.62	1/4	3,675.88	1/4	3,318.13	1/4	2,960.39	1/4	2,602.65	1/4	2,244.91
1/2		1/2		1/2	5,072.83	1/2	4,741.66	1/2	4,383.91	1/2	4,026.17	1/2	3,668.43	1/2	3,310.68	1/2	2,952.94	1/2	2,595.20	1/2	2,237.45
3/4		3/4		3/4	5,069.72	3/4	4,734.21	3/4	4,376.46	3/4	4,018.72	3/4	3,660.98	3/4	3,303.23	3/4	2,945.49	3/4	2,587.74	3/4	2,230.00
7		7		7	5,065.36	7	4,726.76	7	4,369.01	7	4,011.27	7	3,653.52	7	3,295.78	7	2,938.04	7	2,580.29	7	2,222.55
1/4		1/4		1/4	5,061.01	1/4	4,719.30	1/4	4,361.55	1/4	4,003.81	1/4	3,646.07	1/4	3,288.32	1/4	2,930.58	1/4	2,572.84	1/4	2,215.10
1/2		1/2		1/2	5,056.65	1/2	4,711.85	1/2	4,354.10	1/2	3,996.36	1/2	3,638.61	1/2	3,280.87	1/2	2,923.13	1/2	2,565.38	1/2	2,207.64
3/4		3/4		3/4	5,052.29	3/4	4,704.40	3/4	4,346.65	3/4	3,988.91	3/4	3,631.16	3/4	3,273.42	3/4	2,915.68	3/4	2,557.93	3/4	2,200.19
8		8		8	5,046.69	8	4,696.97	8	4,339.20	8	3,981.46	8	3,623.71	8	3,265.97	8	2,908.22	8	2,550.48	8	2,192.74
1/4		1/4		1/4	5,041.09	1/4	4,689.54	1/4	4,331.74	1/4	3,974.00	1/4	3,616.25	1/4	3,258.51	1/4	2,900.77	1/4	2,543.03	1/4	2,185.29
1/2		1/2		1/2	5,035.49	1/2	4,682.11	1/2	4,324.29	1/2	3,966.55	1/2	3,608.80	1/2	3,251.06	1/2	2,893.31	1/2	2,535.57	1/2	2,177.83
3/4		3/4		3/4	5,029.89	3/4	4,674.68	3/4	4,316.84	3/4	3,959.10	3/4	3,601.35	3/4	3,243.61	3/4	2,885.86	3/4	2,528.12	3/4	2,170.38
9		9		9	5,023.05	9	4,667.20	9	4,309.39	9	3,951.64	9	3,593.90	9	3,236.16	9	2,878.41	9	2,520.67	9	2,162.93
1/4		1/4		1/4	5,016.21	1/4	4,659.72	1/4	4,301.93	1/4	3,944.19	1/4	3,586.44	1/4	3,228.70	1/4	2,870.95	1/4	2,513.22	1/4	2,155.47
1/2		1/2		1/2	5,009.36	1/2	4,652.25	1/2	4,294.48	1/2	3,936.73	1/2	3,578.99	1/2	3,221.25	1/2	2,863.50	1/2	2,505.76	1/2	2,148.02
3/4		3/4		3/4	5,002.52	3/4	4,644.77	3/4	4,287.03	3/4	3,929.28	3/4	3,571.54	3/4	3,213.80	3/4	2,856.05	3/4	2,498.31	3/4	2,140.56
10		10		10	4,995.07	10	4,637.32	10	4,279.58	10	3,921.83	10	3,564.09	10	3,206.34	10	2,848.60	10	2,490.86	10	2,133.11
1/4		1/4		1/4	4,987.61	1/4	4,629.86	1/4	4,272.12	1/4	3,914.37	1/4	3,556.63	1/4	3,198.89	1/4	2,841.14	1/4	2,483.41	1/4	2,125.66
1/2		1/2		1/2	4,980.16	1/2	4,622.41	1/2	4,264.67	1/2	3,906.92	1/2	3,549.18	1/2	3,191.43	1/2	2,833.69	1/2	2,475.95	1/2	2,118.20
3/4		3/4		3/4	4,972.70	3/4	4,614.96	3/4	4,257.22	3/4	3,899.47	3/4	3,541.73	3/4	3,183.98	3/4	2,826.24	3/4	2,468.50	3/4	2,110.75
11		11		11	4,965.25	11	4,607.51	11	4,249.76	11	3,892.02	11	3,534.28	11	3,176.53	11	2,818.79	11	2,461.05	11	2,103.30
1/4		1/4		1/4	4,957.80	1/4	4,600.05	1/4	4,242.31	1/4	3,884.56	1/4	3,526.82	1/4	3,169.07	1/4	2,811.33	1/4	2,453.59	1/4	2,095.85
1/2		1/2		1/2	4,950.34	1/2	4,592.60	1/2	4,234.85	1/2	3,877.11	1/2	3,519.37	1/2	3,161.62	1/2	2,803.88	1/2	2,446.14	1/2	2,088.39
3/4		3/4		3/4	4,942.89	3/4	4,585.15	3/4	4,227.40	3/4	3,869.66	3/4	3,511.92	3/4	3,154.17	3/4	2,796.43	3/4	2,438.68	3/4	2,080.94

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 TOP OF THREADS ON "MMC" VALVE
 GAUGE POINT: (MMC) LOCATED 12'-09" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 29143"

1 STBD

ULLAGE TABLE

MMC

GAUGE HEIGHT 15'-10 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30019"

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	2,073.49	0	1,715.75	0	1,358.00	0	1,000.26	0	642.43	0	291.04	0		0		0		0	
1/4	2,066.04	1/4	1,708.29	1/4	1,350.55	1/4	992.80	1/4	635.00	1/4	284.00	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,058.58	1/2	1,700.84	1/2	1,343.09	1/2	985.35	1/2	627.58	1/2	276.97	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,051.13	3/4	1,693.38	3/4	1,335.64	3/4	977.90	3/4	620.15	3/4	269.94	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,043.68	1	1,685.93	1	1,328.19	1	970.44	1	612.70	1	263.03	1	1	1	1	1	1	1	1
1/4	2,036.23	1/4	1,678.48	1/4	1,320.74	1/4	962.99	1/4	605.24	1/4	256.13	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,028.77	1/2	1,671.02	1/2	1,313.28	1/2	955.53	1/2	597.79	1/2	249.22	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,021.32	3/4	1,663.57	3/4	1,305.83	3/4	948.08	3/4	590.34	3/4	242.32	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2,013.87	2	1,656.12	2	1,298.38	2	940.63	2	582.89	2	235.41	2	2	2	2	2	2	2	2
1/4	2,006.41	1/4	1,648.67	1/4	1,290.93	1/4	933.17	1/4	575.43	1/4	228.50	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,998.96	1/2	1,641.21	1/2	1,283.47	1/2	925.72	1/2	567.98	1/2	221.60	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,991.50	3/4	1,633.76	3/4	1,276.02	3/4	918.27	3/4	560.53	3/4	214.69	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,984.05	3	1,626.31	3	1,268.57	3	910.82	3	553.08	3	207.91	3	3	3	3	3	3	3	3
1/4	1,976.60	1/4	1,618.86	1/4	1,261.11	1/4	903.36	1/4	545.62	1/4	201.12	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,969.14	1/2	1,611.40	1/2	1,253.66	1/2	895.91	1/2	538.17	1/2	194.34	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,961.69	3/4	1,603.95	3/4	1,246.20	3/4	888.46	3/4	530.72	3/4	187.56	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,954.24	4	1,596.50	4	1,238.75	4	881.01	4	523.26	4	180.78	4	4	4	4	4	4	4	4
1/4	1,946.79	1/4	1,589.05	1/4	1,231.30	1/4	873.55	1/4	515.81	1/4	173.99	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,939.33	1/2	1,581.59	1/2	1,223.84	1/2	866.10	1/2	508.35	1/2	167.21	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,931.88	3/4	1,574.14	3/4	1,216.39	3/4	858.65	3/4	500.90	3/4	160.43	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,924.43	5	1,566.69	5	1,208.94	5	851.20	5	493.50	5	153.77	5	5	5	5	5	5	5	5
1/4	1,916.98	1/4	1,559.23	1/4	1,201.49	1/4	843.74	1/4	486.09	1/4	147.11	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,909.52	1/2	1,551.78	1/2	1,194.03	1/2	836.29	1/2	478.69	1/2	140.46	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,902.07	3/4	1,544.32	3/4	1,186.58	3/4	828.84	3/4	471.29	3/4	133.80	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,894.62	6	1,536.87	6	1,179.13	6	821.38	6	463.88	6	127.14	6	6	6	6	6	6	6	6
1/4	1,887.17	1/4	1,529.42	1/4	1,171.68	1/4	813.93	1/4	456.48	1/4	120.48	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,879.71	1/2	1,521.96	1/2	1,164.22	1/2	806.47	1/2	449.07	1/2	113.83	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,872.26	3/4	1,514.51	3/4	1,156.77	3/4	799.02	3/4	441.67	3/4	107.17	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,864.81	7	1,507.06	7	1,149.32	7	791.57	7	434.39	7	100.64	7	7	7	7	7	7	7	7
1/4	1,857.35	1/4	1,499.61	1/4	1,141.87	1/4	784.11	1/4	427.11	1/4	94.10	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,849.90	1/2	1,492.15	1/2	1,134.41	1/2	776.66	1/2	419.83	1/2	87.57	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,842.44	3/4	1,484.70	3/4	1,126.96	3/4	769.21	3/4	412.55	3/4	81.04	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,834.99	8	1,477.25	8	1,119.51	8	761.76	8	405.27	8	74.50	8	8	8	8	8	8	8	8
1/4	1,827.54	1/4	1,469.80	1/4	1,112.05	1/4	754.30	1/4	397.99	1/4	67.97	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,820.08	1/2	1,462.34	1/2	1,104.60	1/2	746.85	1/2	390.71	1/2	61.43	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,812.63	3/4	1,454.89	3/4	1,097.14	3/4	739.40	3/4	383.43	3/4	54.90	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,805.18	9	1,447.44	9	1,089.69	9	731.95	9	376.27	9	49.22	9	9	9	9	9	9	9	9
1/4	1,797.73	1/4	1,439.99	1/4	1,082.24	1/4	724.49	1/4	369.12	1/4	43.55	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,790.27	1/2	1,432.53	1/2	1,074.78	1/2	717.04	1/2	361.96	1/2	37.87	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,782.82	3/4	1,425.08	3/4	1,067.33	3/4	709.59	3/4	354.81	3/4	32.20	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,775.37	10	1,417.63	10	1,059.88	10	702.14	10	347.65	10	27.99	10	10	10	10	10	10	10	10
1/4	1,767.92	1/4	1,410.17	1/4	1,052.43	1/4	694.68	1/4	340.50	1/4	23.78	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,760.46	1/2	1,402.72	1/2	1,044.97	1/2	687.23	1/2	333.34	1/2	19.57	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,753.01	3/4	1,395.26	3/4	1,037.52	3/4	679.78	3/4	326.19	3/4	15.36	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,745.56	11	1,387.81	11	1,030.07	11	672.30	11	319.16	11		11	11	11	11	11	11	11	11
1/4	1,738.11	1/4	1,380.36	1/4	1,022.61	1/4	664.82	1/4	312.13	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,730.65	1/2	1,372.90	1/2	1,015.16	1/2	657.34	1/2	305.10	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,723.20	3/4	1,365.45	3/4	1,007.71	3/4	649.86	3/4	298.07	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/07/2011 INSP
RECALCULATED: 03/31/2021 PMA
REPRINTED: 03/31/2021 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2021

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



BARGE "KIRBY 29143"

2 PORT ULLAGE TABLE

MMC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30019"

GAUGE HEIGHT 15'-10 1/2"

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	4,988.66	0	4,629.14	0	4,269.62	0	3,910.10	0	3,550.63	0	3,191.06	0	2,831.19	0	2,472.02
1/4		1/4		1/4	4,981.17	1/4	4,621.65	1/4	4,262.13	1/4	3,902.61	1/4	3,543.12	1/4	3,183.57	1/4	2,823.88	1/4	2,464.53
1/2		1/2		1/2	4,973.68	1/2	4,614.16	1/2	4,254.64	1/2	3,895.12	1/2	3,535.60	1/2	3,176.08	1/2	2,816.56	1/2	2,457.04
3/4		3/4		3/4	4,966.19	3/4	4,606.67	3/4	4,247.15	3/4	3,887.63	3/4	3,528.11	3/4	3,168.59	3/4	2,809.07	3/4	2,449.55
1		1		1	4,958.70	1	4,599.18	1	4,239.66	1	3,880.14	1	3,520.62	1	3,161.10	1	2,801.58	1	2,442.06
1/4		1/4		1/4	4,951.21	1/4	4,591.69	1/4	4,232.17	1/4	3,872.65	1/4	3,513.13	1/4	3,153.61	1/4	2,794.09	1/4	2,434.57
1/2		1/2		1/2	4,943.72	1/2	4,584.20	1/2	4,224.68	1/2	3,865.16	1/2	3,505.64	1/2	3,146.12	1/2	2,786.60	1/2	2,427.08
3/4		3/4		3/4	4,936.23	3/4	4,576.71	3/4	4,217.19	3/4	3,857.67	3/4	3,498.15	3/4	3,138.63	3/4	2,779.11	3/4	2,419.59
2		2		2	4,928.74	2	4,569.22	2	4,209.70	2	3,850.18	2	3,490.66	2	3,131.14	2	2,771.62	2	2,412.10
1/4		1/4		1/4	4,921.25	1/4	4,561.73	1/4	4,202.21	1/4	3,842.69	1/4	3,483.17	1/4	3,123.65	1/4	2,764.13	1/4	2,404.61
1/2		1/2		1/2	4,913.76	1/2	4,554.24	1/2	4,194.72	1/2	3,835.20	1/2	3,475.68	1/2	3,116.16	1/2	2,756.64	1/2	2,397.12
3/4		3/4		3/4	4,906.27	3/4	4,546.75	3/4	4,187.23	3/4	3,827.71	3/4	3,468.19	3/4	3,108.67	3/4	2,749.15	3/4	2,389.63
3		3		3	4,898.78	3	4,539.26	3	4,179.74	3	3,820.22	3	3,460.70	3	3,101.18	3	2,741.66	3	2,382.14
1/4		1/4		1/4	4,891.29	1/4	4,531.77	1/4	4,172.25	1/4	3,812.73	1/4	3,453.21	1/4	3,093.69	1/4	2,734.17	1/4	2,374.65
1/2		1/2	5,153.50	1/2	4,883.80	1/2	4,524.28	1/2	4,164.76	1/2	3,805.24	1/2	3,445.72	1/2	3,086.20	1/2	2,726.68	1/2	2,367.16
3/4		3/4	5,152.88	3/4	4,876.31	3/4	4,516.79	3/4	4,157.27	3/4	3,797.75	3/4	3,438.23	3/4	3,078.71	3/4	2,719.19	3/4	2,359.67
4		4	5,152.25	4	4,868.82	4	4,509.30	4	4,149.78	4	3,790.26	4	3,430.74	4	3,071.22	4	2,711.70	4	2,352.18
1/4		1/4	5,151.63	1/4	4,861.33	1/4	4,501.81	1/4	4,142.29	1/4	3,782.77	1/4	3,423.25	1/4	3,063.73	1/4	2,704.21	1/4	2,344.69
1/2		1/2	5,151.00	1/2	4,853.84	1/2	4,494.32	1/2	4,134.80	1/2	3,775.28	1/2	3,415.76	1/2	3,056.24	1/2	2,696.72	1/2	2,337.20
3/4		3/4	5,149.13	3/4	4,846.35	3/4	4,486.83	3/4	4,127.31	3/4	3,767.79	3/4	3,408.27	3/4	3,048.75	3/4	2,689.23	3/4	2,329.71
5		5	5,147.25	5	4,838.86	5	4,479.34	5	4,119.82	5	3,760.30	5	3,400.78	5	3,041.26	5	2,681.74	5	2,322.22
1/4		1/4	5,145.38	1/4	4,831.37	1/4	4,471.85	1/4	4,112.33	1/4	3,752.81	1/4	3,393.29	1/4	3,033.77	1/4	2,674.25	1/4	2,314.73
1/2		1/2	5,143.50	1/2	4,823.88	1/2	4,464.36	1/2	4,104.84	1/2	3,745.32	1/2	3,385.80	1/2	3,026.28	1/2	2,666.76	1/2	2,307.24
3/4		3/4	5,140.38	3/4	4,816.39	3/4	4,456.87	3/4	4,097.35	3/4	3,737.83	3/4	3,378.31	3/4	3,018.79	3/4	2,659.27	3/4	2,299.75
6		6	5,137.26	6	4,808.90	6	4,449.38	6	4,089.86	6	3,730.34	6	3,370.82	6	3,011.30	6	2,651.78	6	2,292.26
1/4		1/4	5,134.13	1/4	4,801.41	1/4	4,441.89	1/4	4,082.37	1/4	3,722.85	1/4	3,363.33	1/4	3,003.81	1/4	2,644.29	1/4	2,284.77
1/2		1/2	5,131.01	1/2	4,793.92	1/2	4,434.40	1/2	4,074.88	1/2	3,715.36	1/2	3,355.84	1/2	2,996.32	1/2	2,636.80	1/2	2,277.28
3/4		3/4	5,126.64	3/4	4,786.43	3/4	4,426.91	3/4	4,067.39	3/4	3,707.87	3/4	3,348.35	3/4	2,988.83	3/4	2,629.31	3/4	2,269.79
7		7	5,122.27	7	4,778.94	7	4,419.42	7	4,059.90	7	3,700.38	7	3,340.86	7	2,981.34	7	2,621.82	7	2,262.30
1/4		1/4	5,117.89	1/4	4,771.45	1/4	4,411.93	1/4	4,052.41	1/4	3,692.89	1/4	3,333.37	1/4	2,973.85	1/4	2,614.33	1/4	2,254.81
1/2		1/2	5,113.52	1/2	4,763.96	1/2	4,404.44	1/2	4,044.92	1/2	3,685.40	1/2	3,325.88	1/2	2,966.36	1/2	2,606.84	1/2	2,247.32
3/4		3/4	5,108.65	3/4	4,756.47	3/4	4,396.95	3/4	4,037.43	3/4	3,677.91	3/4	3,318.39	3/4	2,958.87	3/4	2,599.35	3/4	2,239.83
8		8	5,103.78	8	4,748.98	8	4,389.46	8	4,029.94	8	3,670.42	8	3,310.90	8	2,951.38	8	2,591.86	8	2,232.34
1/4		1/4	5,098.91	1/4	4,741.49	1/4	4,381.97	1/4	4,022.45	1/4	3,662.93	1/4	3,303.41	1/4	2,943.89	1/4	2,584.37	1/4	2,224.85
1/2		1/2	5,094.04	1/2	4,734.00	1/2	4,374.48	1/2	4,014.96	1/2	3,655.44	1/2	3,295.92	1/2	2,936.40	1/2	2,576.88	1/2	2,217.36
3/4		3/4	5,086.42	3/4	4,726.51	3/4	4,367.02	3/4	4,007.47	3/4	3,647.95	3/4	3,288.43	3/4	2,928.91	3/4	2,569.39	3/4	2,209.87
9		9	5,078.80	9	4,719.02	9	4,359.55	9	3,999.98	9	3,640.46	9	3,280.94	9	2,921.42	9	2,561.90	9	2,202.38
1/4		1/4	5,071.18	1/4	4,711.53	1/4	4,352.09	1/4	3,992.49	1/4	3,632.97	1/4	3,273.45	1/4	2,913.93	1/4	2,554.41	1/4	2,194.89
1/2		1/2	5,063.56	1/2	4,704.04	1/2	4,344.62	1/2	3,985.00	1/2	3,625.48	1/2	3,265.96	1/2	2,906.44	1/2	2,546.92	1/2	2,187.40
3/4		3/4	5,056.07	3/4	4,696.55	3/4	4,337.11	3/4	3,977.51	3/4	3,617.99	3/4	3,258.47	3/4	2,898.95	3/4	2,539.43	3/4	2,179.91
10		10	5,048.58	10	4,689.06	10	4,329.59	10	3,970.02	10	3,610.50	10	3,250.98	10	2,891.46	10	2,531.94	10	2,172.42
1/4		1/4	5,041.09	1/4	4,681.57	1/4	4,322.08	1/4	3,962.53	1/4	3,603.01	1/4	3,243.49	1/4	2,883.97	1/4	2,524.45	1/4	2,164.93
1/2		1/2	5,033.60	1/2	4,674.08	1/2	4,314.56	1/2	3,955.04	1/2	3,595.52	1/2	3,236.00	1/2	2,876.48	1/2	2,516.96	1/2	2,157.44
3/4		3/4	5,026.11	3/4	4,666.59	3/4	4,307.07	3/4	3,947.55	3/4	3,588.06	3/4	3,228.51	3/4	2,868.82	3/4	2,509.47	3/4	2,149.95
11		11	5,018.62	11	4,659.10	11	4,299.58	11	3,940.06	11	3,580.59	11	3,221.02	11	2,861.15	11	2,501.98	11	2,142.46
1/4		1/4	5,011.13	1/4	4,651.61	1/4	4,292.09	1/4	3,932.57	1/4	3,573.13	1/4	3,213.53	1/4	2,853.49	1/4	2,494.49	1/4	2,134.97
1/2		1/2	5,003.64	1/2	4,644.12	1/2	4,284.60	1/2	3,925.08	1/2	3,565.66	1/2	3,206.04	1/2	2,845.82	1/2	2,487.00	1/2	2,127.48
3/4		3/4	4,996.15	3/4	4,636.63	3/4	4,277.11	3/4	3,917.59	3/4	3,558.15	3/4	3,198.55	3/4	2,838.51	3/4	2,479.51	3/4	2,119.99

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 TOP OF THREADS ON "MMC" VALVE
 GAUGE POINT: (MMC) LOCATED 12'-09" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 29143"

2 PORT ULLAGE TABLE MMC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30019"

GAUGE HEIGHT 15'-10 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,112.50	0	1,752.98	0	1,393.46	0	1,033.94	0	674.42	0	314.90	0		0		0		0	
1/4	2,105.01	1/4	1,745.49	1/4	1,385.97	1/4	1,026.45	1/4	666.93	1/4	307.41	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,097.52	1/2	1,738.00	1/2	1,378.48	1/2	1,018.96	1/2	659.44	1/2	299.92	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,090.03	3/4	1,730.51	3/4	1,370.99	3/4	1,011.47	3/4	651.95	3/4	292.43	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,082.54	1	1,723.02	1	1,363.50	1	1,003.98	1	644.46	1	284.94	1	1	1	1	1	1	1	1
1/4	2,075.05	1/4	1,715.53	1/4	1,356.01	1/4	996.49	1/4	636.97	1/4	277.45	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,067.56	1/2	1,708.04	1/2	1,348.52	1/2	989.00	1/2	629.48	1/2	269.96	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,060.07	3/4	1,700.55	3/4	1,341.03	3/4	981.51	3/4	621.99	3/4	262.47	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2,052.58	2	1,693.06	2	1,333.54	2	974.02	2	614.50	2	254.98	2	2	2	2	2	2	2	2
1/4	2,045.09	1/4	1,685.57	1/4	1,326.05	1/4	966.53	1/4	607.01	1/4	247.49	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,037.60	1/2	1,678.08	1/2	1,318.56	1/2	959.04	1/2	599.52	1/2	240.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,030.11	3/4	1,670.59	3/4	1,311.07	3/4	951.55	3/4	592.03	3/4	232.51	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	2,022.62	3	1,663.10	3	1,303.58	3	944.06	3	584.54	3	225.02	3	3	3	3	3	3	3	3
1/4	2,015.13	1/4	1,655.61	1/4	1,296.09	1/4	936.57	1/4	577.05	1/4	217.53	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,007.64	1/2	1,648.12	1/2	1,288.60	1/2	929.08	1/2	569.56	1/2	210.04	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,000.15	3/4	1,640.63	3/4	1,281.11	3/4	921.59	3/4	562.07	3/4	202.55	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,992.66	4	1,633.14	4	1,273.62	4	914.10	4	554.58	4	195.06	4	4	4	4	4	4	4	4
1/4	1,985.17	1/4	1,625.65	1/4	1,266.13	1/4	906.61	1/4	547.09	1/4	187.57	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,977.68	1/2	1,618.16	1/2	1,258.64	1/2	899.12	1/2	539.60	1/2	180.08	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,970.19	3/4	1,610.67	3/4	1,251.15	3/4	891.63	3/4	532.11	3/4	172.59	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,962.70	5	1,603.18	5	1,243.66	5	884.14	5	524.62	5	165.10	5	5	5	5	5	5	5	5
1/4	1,955.21	1/4	1,595.69	1/4	1,236.17	1/4	876.65	1/4	517.13	1/4	157.61	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,947.72	1/2	1,588.20	1/2	1,228.68	1/2	869.16	1/2	509.64	1/2	150.12	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,940.23	3/4	1,580.71	3/4	1,221.19	3/4	861.67	3/4	502.15	3/4	142.63	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,932.74	6	1,573.22	6	1,213.70	6	854.18	6	494.66	6	135.14	6	6	6	6	6	6	6	6
1/4	1,925.25	1/4	1,565.73	1/4	1,206.21	1/4	846.69	1/4	487.17	1/4	127.65	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,917.76	1/2	1,558.24	1/2	1,198.72	1/2	839.20	1/2	479.68	1/2	120.16	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,910.25	3/4	1,550.75	3/4	1,191.23	3/4	831.71	3/4	472.19	3/4	112.67	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,902.73	7	1,543.26	7	1,183.74	7	824.22	7	464.70	7	105.18	7	7	7	7	7	7	7	7
1/4	1,895.22	1/4	1,535.77	1/4	1,176.25	1/4	816.73	1/4	457.21	1/4	97.69	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,887.70	1/2	1,528.28	1/2	1,168.76	1/2	809.24	1/2	449.72	1/2	90.20	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,880.24	3/4	1,520.79	3/4	1,161.28	3/4	801.75	3/4	442.23	3/4	82.71	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,872.77	8	1,513.30	8	1,153.81	8	794.26	8	434.74	8	75.22	8	8	8	8	8	8	8	8
1/4	1,865.31	1/4	1,505.81	1/4	1,146.33	1/4	786.77	1/4	427.25	1/4	67.73	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,857.84	1/2	1,498.32	1/2	1,138.85	1/2	779.28	1/2	419.76	1/2	60.24	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,850.35	3/4	1,490.83	3/4	1,131.35	3/4	771.79	3/4	412.27	3/4	53.68	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,842.86	9	1,483.34	9	1,123.85	9	764.30	9	404.78	9	47.13	9	9	9	9	9	9	9	9
1/4	1,835.37	1/4	1,475.85	1/4	1,116.34	1/4	756.81	1/4	397.29	1/4	40.57	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,827.88	1/2	1,468.36	1/2	1,108.84	1/2	749.32	1/2	389.80	1/2	34.01	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,820.39	3/4	1,460.87	3/4	1,101.35	3/4	741.84	3/4	382.31	3/4	29.33	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,812.90	10	1,453.38	10	1,093.86	10	734.36	10	374.82	10	24.64	10	10	10	10	10	10	10	10
1/4	1,805.41	1/4	1,445.89	1/4	1,086.37	1/4	726.87	1/4	367.33	1/4	19.96	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,797.92	1/2	1,438.40	1/2	1,078.88	1/2	719.39	1/2	359.84	1/2	15.27	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,790.43	3/4	1,430.91	3/4	1,071.39	3/4	711.89	3/4	352.35	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,782.94	11	1,423.42	11	1,063.90	11	704.40	11	344.86	11		11	11	11	11	11	11	11	11
1/4	1,775.45	1/4	1,415.93	1/4	1,056.41	1/4	696.90	1/4	337.37	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,767.96	1/2	1,408.44	1/2	1,048.92	1/2	689.40	1/2	329.88	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,760.47	3/4	1,400.95	3/4	1,041.43	3/4	681.91	3/4	322.39	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/07/2011 INSP
RECALCULATED: 03/31/2021 PMA
REPRINTED: 03/31/2021 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2021

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



BARGE "KIRBY 29143"

2 STBD ULLAGE TABLE

MMC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30019"

GAUGE HEIGHT 15'-10 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	4,996.15	0	4,636.63	0	4,277.11	0	3,917.59	0	3,558.15	0	3,198.55	0	2,838.51	0	2,479.51
1/4		1/4		1/4	4,988.66	1/4	4,629.14	1/4	4,269.62	1/4	3,910.10	1/4	3,550.63	1/4	3,191.06	1/4	2,831.19	1/4	2,472.02
1/2		1/2		1/2	4,981.17	1/2	4,621.65	1/2	4,262.13	1/2	3,902.61	1/2	3,543.12	1/2	3,183.57	1/2	2,823.88	1/2	2,464.53
3/4		3/4		3/4	4,973.68	3/4	4,614.16	3/4	4,254.64	3/4	3,895.12	3/4	3,535.60	3/4	3,176.08	3/4	2,816.56	3/4	2,457.04
1		1		1	4,966.19	1	4,606.67	1	4,247.15	1	3,887.63	1	3,528.11	1	3,168.59	1	2,809.07	1	2,449.55
1/4		1/4		1/4	4,958.70	1/4	4,599.18	1/4	4,239.66	1/4	3,880.14	1/4	3,520.62	1/4	3,161.10	1/4	2,801.58	1/4	2,442.06
1/2		1/2		1/2	4,951.21	1/2	4,591.69	1/2	4,232.17	1/2	3,872.65	1/2	3,513.13	1/2	3,153.61	1/2	2,794.09	1/2	2,434.57
3/4		3/4		3/4	4,943.72	3/4	4,584.20	3/4	4,224.68	3/4	3,865.16	3/4	3,505.64	3/4	3,146.12	3/4	2,786.60	3/4	2,427.08
2		2		2	4,936.23	2	4,576.71	2	4,217.19	2	3,857.67	2	3,498.15	2	3,138.63	2	2,779.11	2	2,419.59
1/4		1/4		1/4	4,928.74	1/4	4,569.22	1/4	4,209.70	1/4	3,850.18	1/4	3,490.66	1/4	3,131.14	1/4	2,771.62	1/4	2,412.10
1/2		1/2		1/2	4,921.25	1/2	4,561.73	1/2	4,202.21	1/2	3,842.69	1/2	3,483.17	1/2	3,123.65	1/2	2,764.13	1/2	2,404.61
3/4		3/4		3/4	4,913.76	3/4	4,554.24	3/4	4,194.72	3/4	3,835.20	3/4	3,475.68	3/4	3,116.16	3/4	2,756.64	3/4	2,397.12
3		3		3	4,906.27	3	4,546.75	3	4,187.23	3	3,827.71	3	3,468.19	3	3,108.67	3	2,749.15	3	2,389.63
1/4		1/4		1/4	4,898.78	1/4	4,539.26	1/4	4,179.74	1/4	3,820.22	1/4	3,460.70	1/4	3,101.18	1/4	2,741.66	1/4	2,382.14
1/2		1/2		1/2	4,891.29	1/2	4,531.77	1/2	4,172.25	1/2	3,812.73	1/2	3,453.21	1/2	3,093.69	1/2	2,734.17	1/2	2,374.65
3/4		3/4		3/4	5,153.50	3/4	4,883.80	3/4	4,524.28	3/4	4,164.76	3/4	3,805.24	3/4	3,445.72	3/4	3,086.20	3/4	2,726.68
4		4		4	5,152.88	4	4,876.31	4	4,517.27	4	3,797.75	4	3,438.23	4	3,078.71	4	2,719.19	4	2,359.67
1/4		1/4		1/4	5,152.25	1/4	4,868.82	1/4	4,509.30	1/4	4,149.78	1/4	3,790.26	1/4	3,430.74	1/4	3,071.22	1/4	2,352.18
1/2		1/2		1/2	5,151.63	1/2	4,861.33	1/2	4,501.81	1/2	4,142.29	1/2	3,782.77	1/2	3,423.25	1/2	3,063.73	1/2	2,704.21
3/4		3/4		3/4	5,151.00	3/4	4,853.84	3/4	4,494.32	3/4	4,134.80	3/4	3,775.28	3/4	3,415.76	3/4	3,056.24	3/4	2,337.20
5		5		5	5,149.13	5	4,846.35	5	4,486.83	5	4,127.31	5	3,767.79	5	3,408.27	5	3,048.75	5	2,689.23
1/4		1/4		1/4	5,147.25	1/4	4,838.86	1/4	4,479.34	1/4	4,119.82	1/4	3,760.30	1/4	3,400.78	1/4	3,041.26	1/4	2,682.22
1/2		1/2		1/2	5,145.38	1/2	4,831.37	1/2	4,471.85	1/2	4,112.33	1/2	3,752.81	1/2	3,393.29	1/2	3,033.77	1/2	2,674.25
3/4		3/4		3/4	5,143.50	3/4	4,823.88	3/4	4,464.36	3/4	4,104.84	3/4	3,745.32	3/4	3,385.80	3/4	3,026.28	3/4	2,666.76
6		6		6	5,140.38	6	4,816.39	6	4,456.87	6	4,097.35	6	3,737.83	6	3,378.31	6	3,018.79	6	2,659.27
1/4		1/4		1/4	5,137.26	1/4	4,808.90	1/4	4,449.38	1/4	4,089.86	1/4	3,730.34	1/4	3,370.82	1/4	3,011.30	1/4	2,652.26
1/2		1/2		1/2	5,134.13	1/2	4,801.41	1/2	4,441.89	1/2	4,082.37	1/2	3,722.85	1/2	3,363.33	1/2	3,003.81	1/2	2,644.29
3/4		3/4		3/4	5,131.01	3/4	4,793.92	3/4	4,434.40	3/4	4,074.88	3/4	3,715.36	3/4	3,355.84	3/4	2,996.32	3/4	2,636.80
7		7		7	5,126.64	7	4,786.43	7	4,426.91	7	4,067.39	7	3,707.87	7	3,348.35	7	2,988.83	7	2,629.31
1/4		1/4		1/4	5,122.27	1/4	4,778.94	1/4	4,419.42	1/4	4,059.90	1/4	3,700.38	1/4	3,340.86	1/4	2,981.34	1/4	2,622.30
1/2		1/2		1/2	5,117.89	1/2	4,771.45	1/2	4,411.93	1/2	4,052.41	1/2	3,692.89	1/2	3,333.37	1/2	2,973.85	1/2	2,614.33
3/4		3/4		3/4	5,113.52	3/4	4,763.96	3/4	4,404.44	3/4	4,044.92	3/4	3,685.40	3/4	3,325.88	3/4	2,966.36	3/4	2,606.84
8		8		8	5,108.65	8	4,756.47	8	4,396.95	8	4,037.43	8	3,677.91	8	3,318.39	8	2,958.87	8	2,599.35
1/4		1/4		1/4	5,103.78	1/4	4,748.98	1/4	4,389.46	1/4	4,029.94	1/4	3,670.42	1/4	3,310.90	1/4	2,951.38	1/4	2,592.34
1/2		1/2		1/2	5,098.91	1/2	4,741.49	1/2	4,381.97	1/2	4,022.45	1/2	3,662.93	1/2	3,303.41	1/2	2,943.89	1/2	2,584.37
3/4		3/4		3/4	5,094.04	3/4	4,734.00	3/4	4,374.48	3/4	4,014.96	3/4	3,655.44	3/4	3,295.92	3/4	2,936.40	3/4	2,576.88
9		9		9	5,086.42	9	4,726.51	9	4,367.02	9	4,007.47	9	3,647.95	9	3,288.43	9	2,928.91	9	2,569.39
1/4		1/4		1/4	5,078.80	1/4	4,719.02	1/4	4,359.55	1/4	3,999.98	1/4	3,640.46	1/4	3,280.94	1/4	2,921.42	1/4	2,562.38
1/2		1/2		1/2	5,071.18	1/2	4,711.53	1/2	4,352.09	1/2	3,992.49	1/2	3,632.97	1/2	3,273.45	1/2	2,913.93	1/2	2,554.41
3/4		3/4		3/4	5,063.56	3/4	4,704.04	3/4	4,344.62	3/4	3,985.00	3/4	3,625.48	3/4	3,265.96	3/4	2,906.44	3/4	2,546.92
10		10		10	5,056.07	10	4,696.55	10	4,337.11	10	3,977.51	10	3,617.99	10	3,258.47	10	2,898.95	10	2,539.43
1/4		1/4		1/4	5,048.58	1/4	4,689.06	1/4	4,329.59	1/4	3,970.02	1/4	3,610.50	1/4	3,250.98	1/4	2,891.46	1/4	2,531.94
1/2		1/2		1/2	5,041.09	1/2	4,681.57	1/2	4,322.08	1/2	3,962.53	1/2	3,603.01	1/2	3,243.49	1/2	2,883.97	1/2	2,524.45
3/4		3/4		3/4	5,033.60	3/4	4,674.08	3/4	4,314.56	3/4	3,955.04	3/4	3,595.52	3/4	3,236.00	3/4	2,876.48	3/4	2,516.96
11		11		11	5,026.11	11	4,666.59	11	4,307.07	11	3,947.55	11	3,588.06	11	3,228.51	11	2,868.82	11	2,509.47
1/4		1/4		1/4	5,018.62	1/4	4,659.10	1/4	4,299.58	1/4	3,940.06	1/4	3,580.59	1/4	3,221.02	1/4	2,861.15	1/4	2,501.98
1/2		1/2		1/2	5,011.13	1/2	4,651.61	1/2	4,292.09	1/2	3,932.57	1/2	3,573.13	1/2	3,213.53	1/2	2,853.49	1/2	2,494.49
3/4		3/4		3/4	5,003.64	3/4	4,644.12	3/4	4,284.60	3/4	3,925.08	3/4	3,565.66	3/4	3,206.04	3/4	2,845.82	3/4	2,487.00

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 TOP OF THREADS ON "MMC" VALVE
 GAUGE POINT: (MMC) LOCATED 12'-09" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 29143"

2 STBD

ULLAGE TABLE

MMC

GAUGE HEIGHT 15'-10 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30019"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,119.99	0	1,760.47	0	1,400.95	0	1,041.43	0	681.91	0	322.39	0		0		0		0	
1/4	2,112.50	1/4	1,752.98	1/4	1,393.46	1/4	1,033.94	1/4	674.42	1/4	314.90	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,105.01	1/2	1,745.49	1/2	1,385.97	1/2	1,026.45	1/2	666.93	1/2	307.41	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,097.52	3/4	1,738.00	3/4	1,378.48	3/4	1,018.96	3/4	659.44	3/4	299.92	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,090.03	1	1,730.51	1	1,370.99	1	1,011.47	1	651.95	1	292.43	1	1	1	1	1	1	1	1
1/4	2,082.54	1/4	1,723.02	1/4	1,363.50	1/4	1,003.98	1/4	644.46	1/4	284.94	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,075.05	1/2	1,715.53	1/2	1,356.01	1/2	996.49	1/2	636.97	1/2	277.45	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,067.56	3/4	1,708.04	3/4	1,348.52	3/4	989.00	3/4	629.48	3/4	269.96	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2,060.07	2	1,700.55	2	1,341.03	2	981.51	2	621.99	2	262.47	2	2	2	2	2	2	2	2
1/4	2,052.58	1/4	1,693.06	1/4	1,333.54	1/4	974.02	1/4	614.50	1/4	254.98	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,045.09	1/2	1,685.57	1/2	1,326.05	1/2	966.53	1/2	607.01	1/2	247.49	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,037.60	3/4	1,678.08	3/4	1,318.56	3/4	959.04	3/4	599.52	3/4	240.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	2,030.11	3	1,670.59	3	1,311.07	3	951.55	3	592.03	3	232.51	3	3	3	3	3	3	3	3
1/4	2,022.62	1/4	1,663.10	1/4	1,303.58	1/4	944.06	1/4	584.54	1/4	225.02	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,015.13	1/2	1,655.61	1/2	1,296.09	1/2	936.57	1/2	577.05	1/2	217.53	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,007.64	3/4	1,648.12	3/4	1,288.60	3/4	929.08	3/4	569.56	3/4	210.04	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	2,000.15	4	1,640.63	4	1,281.11	4	921.59	4	562.07	4	202.55	4	4	4	4	4	4	4	4
1/4	1,992.66	1/4	1,633.14	1/4	1,273.62	1/4	914.10	1/4	554.58	1/4	195.06	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,985.17	1/2	1,625.65	1/2	1,266.13	1/2	906.61	1/2	547.09	1/2	187.57	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,977.68	3/4	1,618.16	3/4	1,258.64	3/4	899.12	3/4	539.60	3/4	180.08	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,970.19	5	1,610.67	5	1,251.15	5	891.63	5	532.11	5	172.59	5	5	5	5	5	5	5	5
1/4	1,962.70	1/4	1,603.18	1/4	1,243.66	1/4	884.14	1/4	524.62	1/4	165.10	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,955.21	1/2	1,595.69	1/2	1,236.17	1/2	876.65	1/2	517.13	1/2	157.61	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,947.72	3/4	1,588.20	3/4	1,228.68	3/4	869.16	3/4	509.64	3/4	150.12	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,940.23	6	1,580.71	6	1,221.19	6	861.67	6	502.15	6	142.63	6	6	6	6	6	6	6	6
1/4	1,932.74	1/4	1,573.22	1/4	1,213.70	1/4	854.18	1/4	494.66	1/4	135.14	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,925.25	1/2	1,565.73	1/2	1,206.21	1/2	846.69	1/2	487.17	1/2	127.65	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,917.76	3/4	1,558.24	3/4	1,198.72	3/4	839.20	3/4	479.68	3/4	120.16	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,910.25	7	1,550.75	7	1,191.23	7	831.71	7	472.19	7	112.67	7	7	7	7	7	7	7	7
1/4	1,902.73	1/4	1,543.26	1/4	1,183.74	1/4	824.22	1/4	464.70	1/4	105.18	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,895.22	1/2	1,535.77	1/2	1,176.25	1/2	816.73	1/2	457.21	1/2	97.69	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,887.70	3/4	1,528.28	3/4	1,168.76	3/4	809.24	3/4	449.72	3/4	90.20	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,880.24	8	1,520.79	8	1,161.28	8	801.75	8	442.23	8	82.71	8	8	8	8	8	8	8	8
1/4	1,872.77	1/4	1,513.30	1/4	1,153.81	1/4	794.26	1/4	434.74	1/4	75.22	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,865.31	1/2	1,505.81	1/2	1,146.33	1/2	786.77	1/2	427.25	1/2	67.73	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,857.84	3/4	1,498.32	3/4	1,138.85	3/4	779.28	3/4	419.76	3/4	60.24	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,850.35	9	1,490.83	9	1,131.35	9	771.79	9	412.27	9	53.68	9	9	9	9	9	9	9	9
1/4	1,842.86	1/4	1,483.34	1/4	1,123.85	1/4	764.30	1/4	404.78	1/4	47.13	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,835.37	1/2	1,475.85	1/2	1,116.34	1/2	756.81	1/2	397.29	1/2	40.57	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,827.88	3/4	1,468.36	3/4	1,108.84	3/4	749.32	3/4	389.80	3/4	34.01	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,820.39	10	1,460.87	10	1,101.35	10	741.84	10	382.31	10	29.33	10	10	10	10	10	10	10	10
1/4	1,812.90	1/4	1,453.38	1/4	1,093.86	1/4	734.36	1/4	374.82	1/4	24.64	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,805.41	1/2	1,445.89	1/2	1,086.37	1/2	726.87	1/2	367.33	1/2	19.96	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,797.92	3/4	1,438.40	3/4	1,078.88	3/4	719.39	3/4	359.84	3/4	15.27	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,790.43	11	1,430.91	11	1,071.39	11	711.89	11	352.35	11		11	11	11	11	11	11	11	11
1/4	1,782.94	1/4	1,423.42	1/4	1,063.90	1/4	704.40	1/4	344.86	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,775.45	1/2	1,415.93	1/2	1,056.41	1/2	696.90	1/2	337.37	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,767.96	3/4	1,408.44	3/4	1,048.92	3/4	689.40	3/4	329.88	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/07/2011 INSP
RECALCULATED: 03/31/2021 PMA
REPRINTED: 03/31/2021 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2021

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



BARGE "KIRBY 29143"

3 PORT ULLAGE TABLE

MMC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30019"

GAUGE HEIGHT 15'-10 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,403.66	0	4,183.34	0	3,963.02	0	3,742.70	0	3,517.73	0	3,175.14	0	2,816.14	0	2,457.15
1/4		1/4		1/4	4,399.07	1/4	4,178.75	1/4	3,958.43	1/4	3,738.11	1/4	3,512.26	1/4	3,167.66	1/4	2,808.66	1/4	2,449.67
1/2		1/2		1/2	4,394.48	1/2	4,174.16	1/2	3,953.84	1/2	3,733.52	1/2	3,506.34	1/2	3,160.18	1/2	2,801.18	1/2	2,442.19
3/4		3/4		3/4	4,389.89	3/4	4,169.57	3/4	3,949.25	3/4	3,728.93	3/4	3,500.43	3/4	3,152.70	3/4	2,793.70	3/4	2,434.71
1		1		1	4,385.30	1	4,164.98	1	3,944.66	1	3,724.34	1	3,494.51	1	3,145.22	1	2,786.23	1	2,427.24
1/4		1/4		1/4	4,380.71	1/4	4,160.39	1/4	3,940.07	1/4	3,719.75	1/4	3,488.60	1/4	3,137.74	1/4	2,778.75	1/4	2,419.76
1/2		1/2		1/2	4,376.12	1/2	4,155.80	1/2	3,935.48	1/2	3,715.16	1/2	3,482.24	1/2	3,130.26	1/2	2,771.27	1/2	2,412.28
3/4		3/4		3/4	4,371.53	3/4	4,151.21	3/4	3,930.89	3/4	3,710.57	3/4	3,475.88	3/4	3,122.78	3/4	2,763.79	3/4	2,404.80
2		2		2	4,366.94	2	4,146.62	2	3,926.30	2	3,705.98	2	3,469.52	2	3,115.30	2	2,756.31	2	2,397.32
1/4		1/4		1/4	4,362.35	1/4	4,142.03	1/4	3,921.71	1/4	3,701.39	1/4	3,463.16	1/4	3,107.82	1/4	2,748.83	1/4	2,389.84
1/2		1/2		1/2	4,357.76	1/2	4,137.44	1/2	3,917.12	1/2	3,696.80	1/2	3,456.36	1/2	3,100.34	1/2	2,741.35	1/2	2,382.36
3/4		3/4		3/4	4,353.17	3/4	4,132.85	3/4	3,912.53	3/4	3,692.21	3/4	3,449.57	3/4	3,092.86	3/4	2,733.87	3/4	2,374.88
3		3		3	4,348.57	3	4,128.26	3	3,907.94	3	3,687.62	3	3,442.77	3	3,085.39	3	2,726.40	3	2,367.40
1/4		1/4	4,509.22	1/4	4,343.98	1/4	4,123.67	1/4	3,903.35	1/4	3,683.03	1/4	3,435.98	1/4	3,077.91	1/4	2,718.92	1/4	2,359.92
1/2		1/2	4,508.84	1/2	4,339.39	1/2	4,119.08	1/2	3,898.76	1/2	3,678.44	1/2	3,428.73	1/2	3,070.43	1/2	2,711.44	1/2	2,352.44
3/4		3/4	4,508.46	3/4	4,334.81	3/4	4,114.49	3/4	3,894.17	3/4	3,673.85	3/4	3,421.48	3/4	3,062.95	3/4	2,703.96	3/4	2,344.96
4		4	4,508.07	4	4,330.22	4	4,109.90	4	3,889.58	4	3,669.26	4	3,414.23	4	3,055.47	4	2,696.48	4	2,337.49
1/4		1/4	4,507.69	1/4	4,325.63	1/4	4,105.31	1/4	3,884.99	1/4	3,664.67	1/4	3,406.98	1/4	3,047.99	1/4	2,689.00	1/4	2,330.01
1/2		1/2	4,506.54	1/2	4,321.04	1/2	4,100.72	1/2	3,880.40	1/2	3,660.08	1/2	3,399.50	1/2	3,040.51	1/2	2,681.52	1/2	2,322.53
3/4		3/4	4,505.40	3/4	4,316.45	3/4	4,096.13	3/4	3,875.81	3/4	3,655.49	3/4	3,392.02	3/4	3,033.03	3/4	2,674.04	3/4	2,315.05
5		5	4,504.25	5	4,311.86	5	4,091.54	5	3,871.22	5	3,650.90	5	3,384.55	5	3,025.56	5	2,666.56	5	2,307.57
1/4		1/4	4,503.10	1/4	4,307.27	1/4	4,086.95	1/4	3,866.63	1/4	3,646.31	1/4	3,377.07	1/4	3,018.08	1/4	2,659.08	1/4	2,300.09
1/2		1/2	4,501.99	1/2	4,302.68	1/2	4,082.36	1/2	3,862.04	1/2	3,641.72	1/2	3,369.59	1/2	3,010.60	1/2	2,651.60	1/2	2,292.61
3/4		3/4	4,499.28	3/4	4,298.09	3/4	4,077.77	3/4	3,857.45	3/4	3,637.13	3/4	3,362.11	3/4	3,003.12	3/4	2,644.12	3/4	2,285.13
6		6	4,497.36	6	4,293.50	6	4,073.18	6	3,852.86	6	3,632.54	6	3,354.63	6	2,995.64	6	2,636.65	6	2,277.66
1/4		1/4	4,495.45	1/4	4,288.91	1/4	4,068.59	1/4	3,848.27	1/4	3,627.95	1/4	3,347.15	1/4	2,988.16	1/4	2,629.17	1/4	2,270.18
1/2		1/2	4,492.77	1/2	4,284.32	1/2	4,064.00	1/2	3,843.68	1/2	3,623.36	1/2	3,339.67	1/2	2,980.68	1/2	2,621.69	1/2	2,262.70
3/4		3/4	4,490.10	3/4	4,279.73	3/4	4,059.41	3/4	3,839.09	3/4	3,618.77	3/4	3,332.19	3/4	2,973.20	3/4	2,614.21	3/4	2,255.22
7		7	4,487.42	7	4,275.14	7	4,054.82	7	3,834.50	7	3,614.18	7	3,324.72	7	2,965.72	7	2,606.73	7	2,247.74
1/4		1/4	4,484.74	1/4	4,270.55	1/4	4,050.23	1/4	3,829.91	1/4	3,609.59	1/4	3,317.24	1/4	2,958.24	1/4	2,599.25	1/4	2,240.26
1/2		1/2	4,481.30	1/2	4,265.71	1/2	4,045.64	1/2	3,825.32	1/2	3,605.00	1/2	3,309.76	1/2	2,950.76	1/2	2,591.77	1/2	2,232.78
3/4		3/4	4,477.86	3/4	4,260.87	3/4	4,041.05	3/4	3,820.73	3/4	3,600.41	3/4	3,302.28	3/4	2,943.28	3/4	2,584.29	3/4	2,225.30
8		8	4,474.42	8	4,256.03	8	4,036.46	8	3,816.14	8	3,595.82	8	3,294.80	8	2,935.81	8	2,576.82	8	2,217.82
1/4		1/4	4,470.98	1/4	4,251.19	1/4	4,031.87	1/4	3,811.55	1/4	3,591.23	1/4	3,287.32	1/4	2,928.33	1/4	2,569.34	1/4	2,210.34
1/2		1/2	4,466.78	1/2	4,246.85	1/2	4,027.28	1/2	3,806.96	1/2	3,586.64	1/2	3,279.84	1/2	2,920.85	1/2	2,561.86	1/2	2,202.86
3/4		3/4	4,462.57	3/4	4,242.51	3/4	4,022.69	3/4	3,802.37	3/4	3,582.05	3/4	3,272.36	3/4	2,913.37	3/4	2,554.38	3/4	2,195.38
9		9	4,458.37	9	4,238.17	9	4,018.10	9	3,797.78	9	3,577.46	9	3,264.88	9	2,905.89	9	2,546.90	9	2,187.91
1/4		1/4	4,454.16	1/4	4,233.83	1/4	4,013.51	1/4	3,793.19	1/4	3,572.87	1/4	3,257.40	1/4	2,898.41	1/4	2,539.42	1/4	2,180.43
1/2		1/2	4,449.57	1/2	4,229.24	1/2	4,008.92	1/2	3,788.60	1/2	3,568.22	1/2	3,249.92	1/2	2,890.93	1/2	2,531.94	1/2	2,172.95
3/4		3/4	4,444.98	3/4	4,224.65	3/4	4,004.33	3/4	3,784.01	3/4	3,563.58	3/4	3,242.44	3/4	2,883.45	3/4	2,524.46	3/4	2,165.47
10		10	4,440.38	10	4,220.06	10	3,999.74	10	3,779.42	10	3,558.93	10	3,234.97	10	2,875.98	10	2,516.98	10	2,157.99
1/4		1/4	4,435.79	1/4	4,215.47	1/4	3,995.15	1/4	3,774.83	1/4	3,554.29	1/4	3,227.49	1/4	2,868.50	1/4	2,509.50	1/4	2,150.51
1/2		1/2	4,431.20	1/2	4,210.88	1/2	3,990.56	1/2	3,770.24	1/2	3,549.26	1/2	3,220.01	1/2	2,861.02	1/2	2,502.02	1/2	2,143.03
3/4		3/4	4,426.61	3/4	4,206.29	3/4	3,985.97	3/4	3,765.65	3/4	3,544.22	3/4	3,212.53	3/4	2,853.54	3/4	2,494.54	3/4	2,135.55
11		11	4,422.02	11	4,201.70	11	3,981.38	11	3,761.06	11	3,539.19	11	3,205.05	11	2,846.06	11	2,487.07	11	2,128.08
1/4		1/4	4,417.43	1/4	4,197.11	1/4	3,976.79	1/4	3,756.47	1/4	3,534.16	1/4	3,197.57	1/4	2,838.58	1/4	2,479.59	1/4	2,120.60
1/2		1/2	4,412.84	1/2	4,192.52	1/2	3,972.20	1/2	3,751.88	1/2	3,528.68	1/2	3,190.09	1/2	2,831.10	1/2	2,472.11	1/2	2,113.12
3/4		3/4	4,408.25	3/4	4,187.93	3/4	3,967.61	3/4	3,747.29	3/4	3,523.21	3/4	3,182.61	3/4	2,823.62	3/4	2,464.63	3/4	2,105.64

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 TOP OF THREADS ON "MMC" VALVE
 GAUGE POINT: (MMC) LOCATED 12'-09" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 29143"

3 PORT ULLAGE TABLE MMC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30019"

GAUGE HEIGHT 15'-10 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,098.16	0	1,739.17	0	1,380.18	0	1,022.82	0	664.57	0	306.30	0		0		0		0	
1/4	2,090.68	1/4	1,731.69	1/4	1,372.70	1/4	1,015.38	1/4	657.11	1/4	298.84	1/4		1/4		1/4		1/4	
1/2	2,083.20	1/2	1,724.21	1/2	1,365.25	1/2	1,007.92	1/2	649.65	1/2	291.37	1/2		1/2		1/2		1/2	
3/4	2,075.72	3/4	1,716.73	3/4	1,357.81	3/4	1,000.45	3/4	642.18	3/4	283.91	3/4		3/4		3/4		3/4	
1	2,068.24	1	1,709.25	1	1,350.36	1	992.99	1	634.72	1	276.44	1		1		1		1	
1/4	2,060.76	1/4	1,701.77	1/4	1,342.92	1/4	985.53	1/4	627.26	1/4	268.98	1/4		1/4		1/4		1/4	
1/2	2,053.28	1/2	1,694.29	1/2	1,335.47	1/2	978.06	1/2	619.79	1/2	261.52	1/2		1/2		1/2		1/2	
3/4	2,045.80	3/4	1,686.81	3/4	1,328.03	3/4	970.60	3/4	612.33	3/4	254.05	3/4		3/4		3/4		3/4	
2	2,038.33	2	1,679.34	2	1,320.58	2	963.13	2	604.86	2	246.59	2		2		2		2	
1/4	2,030.85	1/4	1,671.86	1/4	1,313.14	1/4	955.67	1/4	597.40	1/4	239.13	1/4		1/4		1/4		1/4	
1/2	2,023.37	1/2	1,664.38	1/2	1,305.70	1/2	948.21	1/2	589.93	1/2	231.66	1/2		1/2		1/2		1/2	
3/4	2,015.89	3/4	1,656.90	3/4	1,298.25	3/4	940.74	3/4	582.47	3/4	224.20	3/4		3/4		3/4		3/4	
3	2,008.41	3	1,649.42	3	1,290.81	3	933.28	3	575.00	3	216.73	3		3		3		3	
1/4	2,000.93	1/4	1,641.94	1/4	1,283.37	1/4	925.82	1/4	567.54	1/4	209.27	1/4		1/4		1/4		1/4	
1/2	1,993.45	1/2	1,634.46	1/2	1,275.92	1/2	918.35	1/2	560.08	1/2	201.81	1/2		1/2		1/2		1/2	
3/4	1,985.97	3/4	1,626.98	3/4	1,268.48	3/4	910.89	3/4	552.61	3/4	194.34	3/4		3/4		3/4		3/4	
4	1,978.50	4	1,619.50	4	1,261.03	4	903.42	4	545.15	4	186.88	4		4		4		4	
1/4	1,971.02	1/4	1,612.02	1/4	1,253.59	1/4	895.96	1/4	537.69	1/4	179.42	1/4		1/4		1/4		1/4	
1/2	1,963.54	1/2	1,604.54	1/2	1,246.15	1/2	888.49	1/2	530.22	1/2	171.95	1/2		1/2		1/2		1/2	
3/4	1,956.06	3/4	1,597.06	3/4	1,238.70	3/4	881.03	3/4	522.76	3/4	164.49	3/4		3/4		3/4		3/4	
5	1,948.58	5	1,589.59	5	1,231.26	5	873.56	5	515.29	5	157.02	5		5		5		5	
1/4	1,941.10	1/4	1,582.11	1/4	1,223.82	1/4	866.10	1/4	507.83	1/4	149.56	1/4		1/4		1/4		1/4	
1/2	1,933.62	1/2	1,574.63	1/2	1,216.37	1/2	858.64	1/2	500.37	1/2	142.09	1/2		1/2		1/2		1/2	
3/4	1,926.14	3/4	1,567.15	3/4	1,208.93	3/4	851.17	3/4	492.90	3/4	134.63	3/4		3/4		3/4		3/4	
6	1,918.66	6	1,559.67	6	1,201.48	6	843.71	6	485.44	6	127.16	6		6		6		6	
1/4	1,911.18	1/4	1,552.19	1/4	1,194.04	1/4	836.25	1/4	477.98	1/4	119.70	1/4		1/4		1/4		1/4	
1/2	1,903.70	1/2	1,544.71	1/2	1,186.59	1/2	828.78	1/2	470.51	1/2	112.24	1/2		1/2		1/2		1/2	
3/4	1,896.22	3/4	1,537.23	3/4	1,179.15	3/4	821.32	3/4	463.05	3/4	104.77	3/4		3/4		3/4		3/4	
7	1,888.75	7	1,529.76	7	1,171.70	7	813.85	7	455.58	7	97.31	7		7		7		7	
1/4	1,881.27	1/4	1,522.28	1/4	1,164.26	1/4	806.39	1/4	448.12	1/4	89.85	1/4		1/4		1/4		1/4	
1/2	1,873.79	1/2	1,514.80	1/2	1,156.82	1/2	798.93	1/2	440.65	1/2	82.38	1/2		1/2		1/2		1/2	
3/4	1,866.31	3/4	1,507.32	3/4	1,149.37	3/4	791.46	3/4	433.19	3/4	74.92	3/4		3/4		3/4		3/4	
8	1,858.83	8	1,499.84	8	1,141.93	8	784.00	8	425.72	8	67.45	8		8		8		8	
1/4	1,851.35	1/4	1,492.36	1/4	1,134.49	1/4	776.54	1/4	418.26	1/4	59.99	1/4		1/4		1/4		1/4	
1/2	1,843.87	1/2	1,484.88	1/2	1,127.04	1/2	769.07	1/2	410.80	1/2	53.46	1/2		1/2		1/2		1/2	
3/4	1,836.39	3/4	1,477.40	3/4	1,119.60	3/4	761.61	3/4	403.33	3/4	46.93	3/4		3/4		3/4		3/4	
9	1,828.92	9	1,469.92	9	1,112.15	9	754.14	9	395.87	9	40.40	9		9		9		9	
1/4	1,821.44	1/4	1,462.44	1/4	1,104.71	1/4	746.68	1/4	388.41	1/4	33.87	1/4		1/4		1/4		1/4	
1/2	1,813.96	1/2	1,454.96	1/2	1,097.27	1/2	739.21	1/2	380.94	1/2	29.20	1/2		1/2		1/2		1/2	
3/4	1,806.48	3/4	1,447.48	3/4	1,089.82	3/4	731.75	3/4	373.48	3/4	24.54	3/4		3/4		3/4		3/4	
10	1,799.00	10	1,440.01	10	1,082.38	10	724.28	10	366.01	10	19.87	10		10		10		10	
1/4	1,791.52	1/4	1,432.53	1/4	1,074.94	1/4	716.82	1/4	358.55	1/4	15.21	1/4		1/4		1/4		1/4	
1/2	1,784.04	1/2	1,425.05	1/2	1,067.49	1/2	709.36	1/2	351.09	1/2		1/2		1/2		1/2		1/2	
3/4	1,776.56	3/4	1,417.57	3/4	1,060.05	3/4	701.89	3/4	343.62	3/4		3/4		3/4		3/4		3/4	
11	1,769.08	11	1,410.09	11	1,052.60	11	694.43	11	336.16	11		11		11		11		11	
1/4	1,761.60	1/4	1,402.61	1/4	1,045.16	1/4	686.97	1/4	328.70	1/4		1/4		1/4		1/4		1/4	
1/2	1,754.12	1/2	1,395.13	1/2	1,037.71	1/2	679.50	1/2	321.23	1/2		1/2		1/2		1/2		1/2	
3/4	1,746.64	3/4	1,387.65	3/4	1,030.27	3/4	672.04	3/4	313.77	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/07/2011 INSP
RECALCULATED: 03/31/2021 PMA
REPRINTED: 03/31/2021 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2021

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



BARGE "KIRBY 29143"

3 STBD ULLAGE TABLE

MMC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30019"

GAUGE HEIGHT 15'-10 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	4,408.25	0	4,187.93	0	3,967.61	0	3,747.29	0	3,523.21	0	3,182.61	0	2,823.62	0	2,464.63
1/4		1/4		1/4	4,403.66	1/4	4,183.34	1/4	3,963.02	1/4	3,742.70	1/4	3,517.73	1/4	3,175.14	1/4	2,816.14	1/4	2,457.15
1/2		1/2		1/2	4,399.07	1/2	4,178.75	1/2	3,958.43	1/2	3,738.11	1/2	3,512.26	1/2	3,167.66	1/2	2,808.66	1/2	2,449.67
3/4		3/4		3/4	4,394.48	3/4	4,174.16	3/4	3,953.84	3/4	3,733.52	3/4	3,506.34	3/4	3,160.18	3/4	2,801.18	3/4	2,442.19
1		1		1	4,389.89	1	4,169.57	1	3,949.25	1	3,728.93	1	3,500.43	1	3,152.70	1	2,793.70	1	2,434.71
1/4		1/4		1/4	4,385.30	1/4	4,164.98	1/4	3,944.66	1/4	3,724.34	1/4	3,494.51	1/4	3,145.22	1/4	2,786.23	1/4	2,427.24
1/2		1/2		1/2	4,380.71	1/2	4,160.39	1/2	3,940.07	1/2	3,719.75	1/2	3,488.60	1/2	3,137.74	1/2	2,778.75	1/2	2,419.76
3/4		3/4		3/4	4,376.12	3/4	4,155.80	3/4	3,935.48	3/4	3,715.16	3/4	3,482.24	3/4	3,130.26	3/4	2,771.27	3/4	2,412.28
2		2		2	4,371.53	2	4,151.21	2	3,930.89	2	3,710.57	2	3,475.88	2	3,122.78	2	2,763.79	2	2,404.80
1/4		1/4		1/4	4,366.94	1/4	4,146.62	1/4	3,926.30	1/4	3,705.98	1/4	3,469.52	1/4	3,115.30	1/4	2,756.31	1/4	2,397.32
1/2		1/2		1/2	4,362.35	1/2	4,142.03	1/2	3,921.71	1/2	3,701.39	1/2	3,463.16	1/2	3,107.82	1/2	2,748.83	1/2	2,389.84
3/4		3/4		3/4	4,357.76	3/4	4,137.44	3/4	3,917.12	3/4	3,696.80	3/4	3,456.36	3/4	3,100.34	3/4	2,741.35	3/4	2,382.36
3		3		3	4,353.17	3	4,132.85	3	3,912.53	3	3,692.21	3	3,449.57	3	3,092.86	3	2,733.87	3	2,374.88
1/4		1/4		1/4	4,348.57	1/4	4,128.26	1/4	3,907.94	1/4	3,687.62	1/4	3,442.77	1/4	3,085.39	1/4	2,726.40	1/4	2,367.40
1/2		1/2		1/2	4,509.22	1/2	4,343.98	1/2	4,123.67	1/2	3,903.35	1/2	3,683.03	1/2	3,435.98	1/2	3,077.91	1/2	2,718.92
3/4		3/4		3/4	4,508.84	3/4	4,339.39	3/4	4,119.08	3/4	3,898.76	3/4	3,678.44	3/4	3,428.73	3/4	3,070.43	3/4	2,711.44
4		4		4	4,508.46	4	4,334.81	4	4,114.49	4	3,894.17	4	3,673.85	4	3,421.48	4	3,062.95	4	2,703.96
1/4		1/4		1/4	4,508.07	1/4	4,330.22	1/4	4,109.90	1/4	3,889.58	1/4	3,669.26	1/4	3,414.23	1/4	3,055.47	1/4	2,696.48
1/2		1/2		1/2	4,507.69	1/2	4,325.63	1/2	4,105.31	1/2	3,884.99	1/2	3,664.67	1/2	3,406.98	1/2	3,047.99	1/2	2,689.00
3/4		3/4		3/4	4,506.54	3/4	4,321.04	3/4	4,100.72	3/4	3,880.40	3/4	3,660.08	3/4	3,399.50	3/4	3,040.51	3/4	2,681.52
5		5		5	4,505.40	5	4,316.45	5	4,096.13	5	3,875.81	5	3,655.49	5	3,392.02	5	3,033.03	5	2,674.04
1/4		1/4		1/4	4,504.25	1/4	4,311.86	1/4	4,091.54	1/4	3,871.22	1/4	3,650.90	1/4	3,384.55	1/4	3,025.56	1/4	2,666.56
1/2		1/2		1/2	4,503.10	1/2	4,307.27	1/2	4,086.95	1/2	3,866.63	1/2	3,646.31	1/2	3,377.07	1/2	3,018.08	1/2	2,659.08
3/4		3/4		3/4	4,501.19	3/4	4,302.68	3/4	4,082.36	3/4	3,862.04	3/4	3,641.72	3/4	3,369.59	3/4	3,010.60	3/4	2,651.60
6		6		6	4,499.28	6	4,298.09	6	4,077.77	6	3,857.45	6	3,637.13	6	3,362.11	6	3,003.12	6	2,644.12
1/4		1/4		1/4	4,497.36	1/4	4,293.50	1/4	4,073.18	1/4	3,852.86	1/4	3,632.54	1/4	3,356.63	1/4	2,995.64	1/4	2,636.65
1/2		1/2		1/2	4,495.45	1/2	4,288.91	1/2	4,068.59	1/2	3,848.27	1/2	3,627.95	1/2	3,347.15	1/2	2,988.16	1/2	2,629.17
3/4		3/4		3/4	4,492.77	3/4	4,284.32	3/4	4,064.00	3/4	3,843.68	3/4	3,623.36	3/4	3,339.67	3/4	2,980.68	3/4	2,621.69
7		7		7	4,490.10	7	4,279.73	7	4,059.41	7	3,839.09	7	3,618.77	7	3,332.19	7	2,973.20	7	2,614.21
1/4		1/4		1/4	4,487.42	1/4	4,275.14	1/4	4,054.82	1/4	3,834.50	1/4	3,614.18	1/4	3,324.72	1/4	2,965.72	1/4	2,606.73
1/2		1/2		1/2	4,484.74	1/2	4,270.55	1/2	4,050.23	1/2	3,829.91	1/2	3,609.59	1/2	3,317.24	1/2	2,958.24	1/2	2,599.25
3/4		3/4		3/4	4,481.30	3/4	4,265.71	3/4	4,045.64	3/4	3,825.32	3/4	3,605.00	3/4	3,309.76	3/4	2,950.76	3/4	2,591.77
8		8		8	4,477.86	8	4,260.87	8	4,041.05	8	3,820.73	8	3,600.41	8	3,302.28	8	2,943.28	8	2,584.29
1/4		1/4		1/4	4,474.42	1/4	4,256.03	1/4	4,036.46	1/4	3,816.14	1/4	3,595.82	1/4	3,294.80	1/4	2,935.81	1/4	2,576.82
1/2		1/2		1/2	4,470.98	1/2	4,251.19	1/2	4,031.87	1/2	3,811.55	1/2	3,591.23	1/2	3,287.32	1/2	2,928.33	1/2	2,569.34
3/4		3/4		3/4	4,466.78	3/4	4,246.85	3/4	4,027.28	3/4	3,806.96	3/4	3,586.64	3/4	3,279.84	3/4	2,920.85	3/4	2,561.86
9		9		9	4,462.57	9	4,242.51	9	4,022.69	9	3,802.37	9	3,582.05	9	3,272.36	9	2,913.37	9	2,554.38
1/4		1/4		1/4	4,458.37	1/4	4,238.17	1/4	4,018.10	1/4	3,797.78	1/4	3,577.46	1/4	3,264.88	1/4	2,905.89	1/4	2,546.90
1/2		1/2		1/2	4,454.16	1/2	4,233.83	1/2	4,013.51	1/2	3,793.19	1/2	3,572.87	1/2	3,257.40	1/2	2,898.41	1/2	2,539.42
3/4		3/4		3/4	4,449.57	3/4	4,229.24	3/4	4,008.92	3/4	3,788.60	3/4	3,568.22	3/4	3,249.92	3/4	2,890.93	3/4	2,531.94
10		10		10	4,444.98	10	4,224.65	10	4,004.33	10	3,784.01	10	3,563.58	10	3,242.44	10	2,883.45	10	2,524.46
1/4		1/4		1/4	4,440.38	1/4	4,220.06	1/4	3,999.74	1/4	3,779.42	1/4	3,558.93	1/4	3,234.97	1/4	2,875.98	1/4	2,516.98
1/2		1/2		1/2	4,435.79	1/2	4,215.47	1/2	3,995.15	1/2	3,774.83	1/2	3,554.29	1/2	3,227.49	1/2	2,868.50	1/2	2,509.50
3/4		3/4		3/4	4,431.20	3/4	4,210.88	3/4	3,990.56	3/4	3,770.24	3/4	3,549.26	3/4	3,220.01	3/4	2,861.02	3/4	2,502.02
11		11		11	4,426.61	11	4,206.29	11	3,985.97	11	3,765.65	11	3,544.22	11	3,212.53	11	2,853.54	11	2,494.54
1/4		1/4		1/4	4,422.02	1/4	4,201.70	1/4	3,981.38	1/4	3,761.06	1/4	3,539.19	1/4	3,205.05	1/4	2,846.06	1/4	2,487.07
1/2		1/2		1/2	4,417.43	1/2	4,197.11	1/2	3,976.79	1/2	3,756.47	1/2	3,534.16	1/2	3,197.57	1/2	2,838.58	1/2	2,479.59
3/4		3/4		3/4	4,412.84	3/4	4,192.52	3/4	3,972.20	3/4	3,751.88	3/4	3,528.68	3/4	3,190.09	3/4	2,831.10	3/4	2,472.11

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 TOP OF THREADS ON "MMC" VALVE
 GAUGE POINT: (MMC) LOCATED 12'-09" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 29143"

3 STBD ULLAGE TABLE MMC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30019"

GAUGE HEIGHT 15'-10 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,105.64	0	1,746.64	0	1,387.65	0	1,030.27	0	672.04	0	313.77	0		0		0		0	
1/4	2,098.16	1/4	1,739.17	1/4	1,380.18	1/4	1,022.82	1/4	664.57	1/4	306.30	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,090.68	1/2	1,731.69	1/2	1,372.70	1/2	1,015.38	1/2	657.11	1/2	298.84	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,083.20	3/4	1,724.21	3/4	1,365.25	3/4	1,007.92	3/4	649.65	3/4	291.37	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,075.72	1	1,716.73	1	1,357.81	1	1,000.45	1	642.18	1	283.91	1	1	1	1	1	1	1	1
1/4	2,068.24	1/4	1,709.25	1/4	1,350.36	1/4	992.99	1/4	634.72	1/4	276.44	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,060.76	1/2	1,701.77	1/2	1,342.92	1/2	985.53	1/2	627.26	1/2	268.98	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,053.28	3/4	1,694.29	3/4	1,335.47	3/4	978.06	3/4	619.79	3/4	261.52	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2,045.80	2	1,686.81	2	1,328.03	2	970.60	2	612.33	2	254.05	2	2	2	2	2	2	2	2
1/4	2,038.33	1/4	1,679.34	1/4	1,320.58	1/4	963.13	1/4	604.86	1/4	246.59	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,030.85	1/2	1,671.86	1/2	1,313.14	1/2	955.67	1/2	597.40	1/2	239.13	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,023.37	3/4	1,664.38	3/4	1,305.70	3/4	948.21	3/4	589.93	3/4	231.66	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	2,015.89	3	1,656.90	3	1,298.25	3	940.74	3	582.47	3	224.20	3	3	3	3	3	3	3	3
1/4	2,008.41	1/4	1,649.42	1/4	1,290.81	1/4	933.28	1/4	575.00	1/4	216.73	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,000.93	1/2	1,641.94	1/2	1,283.37	1/2	925.82	1/2	567.54	1/2	209.27	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,993.45	3/4	1,634.46	3/4	1,275.92	3/4	918.35	3/4	560.08	3/4	201.81	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,985.97	4	1,626.98	4	1,268.48	4	910.89	4	552.61	4	194.34	4	4	4	4	4	4	4	4
1/4	1,978.50	1/4	1,619.50	1/4	1,261.03	1/4	903.42	1/4	545.15	1/4	186.88	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,971.02	1/2	1,612.02	1/2	1,253.59	1/2	895.96	1/2	537.69	1/2	179.42	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,963.54	3/4	1,604.54	3/4	1,246.15	3/4	888.49	3/4	530.22	3/4	171.95	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,956.06	5	1,597.06	5	1,238.70	5	881.03	5	522.76	5	164.49	5	5	5	5	5	5	5	5
1/4	1,948.58	1/4	1,589.59	1/4	1,231.26	1/4	873.56	1/4	515.29	1/4	157.02	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,941.10	1/2	1,582.11	1/2	1,223.82	1/2	866.10	1/2	507.83	1/2	149.56	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,933.62	3/4	1,574.63	3/4	1,216.37	3/4	858.64	3/4	500.37	3/4	142.09	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,926.14	6	1,567.15	6	1,208.93	6	851.17	6	492.90	6	134.63	6	6	6	6	6	6	6	6
1/4	1,918.66	1/4	1,559.67	1/4	1,201.48	1/4	843.71	1/4	485.44	1/4	127.16	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,911.18	1/2	1,552.19	1/2	1,194.04	1/2	836.25	1/2	477.98	1/2	119.70	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,903.70	3/4	1,544.71	3/4	1,186.59	3/4	828.78	3/4	470.51	3/4	112.24	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,896.22	7	1,537.23	7	1,179.15	7	821.32	7	463.05	7	104.77	7	7	7	7	7	7	7	7
1/4	1,888.75	1/4	1,529.76	1/4	1,171.70	1/4	813.85	1/4	455.58	1/4	97.31	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,881.27	1/2	1,522.28	1/2	1,164.26	1/2	806.39	1/2	448.12	1/2	89.85	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,873.79	3/4	1,514.80	3/4	1,156.82	3/4	798.93	3/4	440.65	3/4	82.38	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,866.31	8	1,507.32	8	1,149.37	8	791.46	8	433.19	8	74.92	8	8	8	8	8	8	8	8
1/4	1,858.83	1/4	1,499.84	1/4	1,141.93	1/4	784.00	1/4	425.72	1/4	67.45	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,851.35	1/2	1,492.36	1/2	1,134.49	1/2	776.54	1/2	418.26	1/2	59.99	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,843.87	3/4	1,484.88	3/4	1,127.04	3/4	769.07	3/4	410.80	3/4	53.46	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,836.39	9	1,477.40	9	1,119.60	9	761.61	9	403.33	9	46.93	9	9	9	9	9	9	9	9
1/4	1,828.92	1/4	1,469.92	1/4	1,112.15	1/4	754.14	1/4	395.87	1/4	40.40	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,821.44	1/2	1,462.44	1/2	1,104.71	1/2	746.68	1/2	388.41	1/2	33.87	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,813.96	3/4	1,454.96	3/4	1,097.27	3/4	739.21	3/4	380.94	3/4	29.20	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,806.48	10	1,447.48	10	1,089.82	10	731.75	10	373.48	10	24.54	10	10	10	10	10	10	10	10
1/4	1,799.00	1/4	1,440.01	1/4	1,082.38	1/4	724.28	1/4	366.01	1/4	19.87	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,791.52	1/2	1,432.53	1/2	1,074.94	1/2	716.82	1/2	358.55	1/2	15.21	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,784.04	3/4	1,425.05	3/4	1,067.49	3/4	709.36	3/4	351.09	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,776.56	11	1,417.57	11	1,060.05	11	701.89	11	343.62	11		11	11	11	11	11	11	11	11
1/4	1,769.08	1/4	1,410.09	1/4	1,052.60	1/4	694.43	1/4	336.16	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,761.60	1/2	1,402.61	1/2	1,045.16	1/2	686.97	1/2	328.70	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,754.12	3/4	1,395.13	3/4	1,037.71	3/4	679.50	3/4	321.23	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/07/2011 INSP
RECALCULATED: 03/31/2021 PMA
REPRINTED: 03/31/2021 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2021

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