



BARGE "KIRBY 30037"

ULLAGE (MMC)

FORMERLY "SMS 30040"

	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	- 00-0/8	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	00-3/4	- 00-3/4	01-3/8	- 01-3/8	02-1/8	- 02-1/8	02-3/4	- 02-3/4	03-1/2	- 03-1/2	04-1/8	- 04-1/8
3 STBD	00-3/4	- 00-3/4	01-3/8	- 01-3/8	02-1/8	- 02-1/8	02-3/4	- 02-3/4	03-1/2	- 03-1/2	04-1/8	- 04-1/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 3 PORT IS - 01-3/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED INNAGE IS 3'-10 5/8"

LENGTH BETWEEN DRAFT MARKS: 235'-03"

August 15, 2022

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 30037"

1 PORT ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30040"

GAUGE HEIGHT 15'-03"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0	5,500.41	0	5,086.79	0	4,671.95	0	4,257.05	0	3,842.15	0	3,427.24	0	3,012.16	0	2,597.07		
1/4	1/4			1/4	5,491.83	1/4	5,078.17	1/4	4,663.30	1/4	4,248.40	1/4	3,833.51	1/4	3,418.60	1/4	3,003.51	1/4	2,588.42		
1/2	1/2		5,872.14	1/2	5,483.24	1/2	5,069.54	1/2	4,654.66	1/2	4,239.76	1/2	3,824.86	1/2	3,409.95	1/2	2,994.86	1/2	2,579.77		
3/4	3/4		5,866.95	3/4	5,474.66	3/4	5,060.90	3/4	4,646.01	3/4	4,231.12	3/4	3,816.22	3/4	3,401.30	3/4	2,986.21	3/4	2,571.12		
1		1	5,861.76	1	5,466.08	1	5,052.26	1	4,637.37	1	4,222.47	1	3,807.58	1	3,392.65	1	2,977.57	1	2,562.48		
1/4	1/4		5,856.57	1/4	5,457.50	1/4	5,043.62	1/4	4,628.73	1/4	4,213.83	1/4	3,798.93	1/4	3,384.01	1/4	2,968.92	1/4	2,553.83		
1/2	1/2		5,850.15	1/2	5,448.89	1/2	5,034.98	1/2	4,620.08	1/2	4,205.19	1/2	3,790.29	1/2	3,375.36	1/2	2,960.27	1/2	2,545.18		
3/4	3/4		5,843.73	3/4	5,440.27	3/4	5,026.34	3/4	4,611.44	3/4	4,196.54	3/4	3,781.64	3/4	3,366.71	3/4	2,951.62	3/4	2,536.53		
2		2	5,837.30	2	5,431.66	2	5,017.69	2	4,602.80	2	4,187.90	2	3,773.00	2	3,358.06	2	2,942.97	2	2,527.88		
1/4	1/4		5,830.88	1/4	5,423.05	1/4	5,009.05	1/4	4,594.15	1/4	4,179.25	1/4	3,764.36	1/4	3,349.42	1/4	2,934.33	1/4	2,519.24		
1/2	1/2		5,823.22	1/2	5,414.43	1/2	5,000.41	1/2	4,585.51	1/2	4,170.61	1/2	3,755.71	1/2	3,340.77	1/2	2,925.68	1/2	2,510.59		
3/4	3/4		5,815.56	3/4	5,405.81	3/4	4,991.76	3/4	4,576.86	3/4	4,161.97	3/4	3,747.07	3/4	3,332.12	3/4	2,917.03	3/4	2,501.94		
3		3	5,807.90	3	5,397.19	3	4,983.12	3	4,568.22	3	4,153.32	3	3,738.43	3	3,323.47	3	2,908.38	3	2,493.29		
1/4	1/4		5,800.23	1/4	5,388.56	1/4	4,974.47	1/4	4,559.58	1/4	4,144.68	1/4	3,729.78	1/4	3,314.83	1/4	2,899.74	1/4	2,484.65		
1/2	1/2		5,791.80	1/2	5,379.94	1/2	4,965.83	1/2	4,550.93	1/2	4,136.04	1/2	3,721.14	1/2	3,306.18	1/2	2,891.09	1/2	2,476.00		
3/4	3/4		5,783.37	3/4	5,371.32	3/4	4,957.19	3/4	4,542.29	3/4	4,127.39	3/4	3,712.49	3/4	3,297.53	3/4	2,882.44	3/4	2,467.35		
4		4	5,774.94	4	5,362.70	4	4,948.54	4	4,533.65	4	4,118.75	4	3,703.85	4	3,288.88	4	2,873.79	4	2,458.70		
1/4	1/4		5,766.51	1/4	5,354.08	1/4	4,939.90	1/4	4,525.00	1/4	4,110.10	1/4	3,695.21	1/4	3,280.23	1/4	2,865.14	1/4	2,450.06		
1/2	1/2		5,757.92	1/2	5,345.45	1/2	4,931.26	1/2	4,516.36	1/2	4,101.46	1/2	3,686.56	1/2	3,271.59	1/2	2,856.50	1/2	2,441.41		
3/4	3/4		5,749.33	3/4	5,336.83	3/4	4,922.61	3/4	4,507.72	3/4	4,092.82	3/4	3,677.92	3/4	3,262.94	3/4	2,847.85	3/4	2,432.76		
5		5	5,740.75	5	5,328.21	5	4,913.97	5	4,499.07	5	4,084.17	5	3,669.28	5	3,254.29	5	2,839.20	5	2,424.11		
1/4	1/4		5,732.16	1/4	5,319.59	1/4	4,905.33	1/4	4,490.43	1/4	4,075.53	1/4	3,660.63	1/4	3,245.64	1/4	2,830.55	1/4	2,415.46		
1/2	1/2		5,723.58	1/2	5,310.97	1/2	4,896.68	1/2	4,481.78	1/2	4,066.89	1/2	3,651.99	1/2	3,237.00	1/2	2,821.91	1/2	2,406.82		
3/4	3/4		5,714.99	3/4	5,302.34	3/4	4,888.04	3/4	4,473.14	3/4	4,058.24	3/4	3,643.35	3/4	3,228.35	3/4	2,813.26	3/4	2,398.17		
6		6	5,706.40	6	5,293.72	6	4,879.39	6	4,464.50	6	4,049.60	6	3,634.70	6	3,219.70	6	2,804.61	6	2,389.52		
1/4	1/4		5,697.82	1/4	5,285.10	1/4	4,870.75	1/4	4,455.85	1/4	4,040.96	1/4	3,626.06	1/4	3,211.05	1/4	2,795.96	1/4	2,380.87		
1/2	1/2		5,689.23	1/2	5,276.48	1/2	4,862.11	1/2	4,447.21	1/2	4,032.31	1/2	3,617.41	1/2	3,202.41	1/2	2,787.32	1/2	2,372.23		
3/4	3/4		5,680.64	3/4	5,267.86	3/4	4,853.46	3/4	4,438.57	3/4	4,023.67	3/4	3,608.77	3/4	3,193.76	3/4	2,778.67	3/4	2,363.58		
7		7	5,672.06	7	5,259.23	7	4,844.82	7	4,429.92	7	4,015.02	7	3,600.13	7	3,185.11	7	2,770.02	7	2,354.93		
1/4	1/4		5,663.47	1/4	5,250.61	1/4	4,836.18	1/4	4,421.28	1/4	4,006.38	1/4	3,591.48	1/4	3,176.46	1/4	2,761.37	1/4	2,346.28		
1/2	1/2		5,654.89	1/2	5,241.99	1/2	4,827.53	1/2	4,412.63	1/2	3,997.74	1/2	3,582.84	1/2	3,167.81	1/2	2,752.72	1/2	2,337.64		
3/4	3/4		5,646.31	3/4	5,233.37	3/4	4,818.89	3/4	4,403.99	3/4	3,989.09	3/4	3,574.20	3/4	3,159.17	3/4	2,744.08	3/4	2,328.99		
8		8	5,637.72	8	5,224.75	8	4,810.24	8	4,395.35	8	3,980.45	8	3,565.55	8	3,150.52	8	2,735.43	8	2,320.34		
1/4	1/4		5,629.14	1/4	5,216.12	1/4	4,801.60	1/4	4,386.70	1/4	3,971.81	1/4	3,556.91	1/4	3,141.87	1/4	2,726.78	1/4	2,311.69		
1/2	1/2		5,620.56	1/2	5,207.50	1/2	4,792.96	1/2	4,378.06	1/2	3,963.16	1/2	3,548.26	1/2	3,133.22	1/2	2,718.13	1/2	2,303.04		
3/4	3/4		5,611.98	3/4	5,198.88	3/4	4,784.31	3/4	4,369.42	3/4	3,954.52	3/4	3,539.62	3/4	3,124.58	3/4	2,709.49	3/4	2,294.40		
9		9	5,603.39	9	5,190.26	9	4,775.67	9	4,360.77	9	3,945.87	9	3,530.98	9	3,115.93	9	2,700.84	9	2,285.75		
1/4	1/4		5,594.81	1/4	5,181.64	1/4	4,767.03	1/4	4,352.13	1/4	3,937.23	1/4	3,522.33	1/4	3,107.28	1/4	2,692.19	1/4	2,277.10		
1/2	1/2		5,586.23	1/2	5,173.01	1/2	4,758.38	1/2	4,343.48	1/2	3,928.59	1/2	3,513.69	1/2	3,098.63	1/2	2,683.54	1/2	2,268.45		
3/4	3/4		5,577.65	3/4	5,164.39	3/4	4,749.74	3/4	4,334.84	3/4	3,919.94	3/4	3,505.05	3/4	3,089.99	3/4	2,674.90	3/4	2,259.81		
10		10	5,569.06	10	5,155.77	10	4,741.10	10	4,326.20	10	3,911.30	10	3,496.40	10	3,081.34	10	2,666.25	10	2,251.16		
1/4	1/4		5,560.48	1/4	5,147.15	1/4	4,732.45	1/4	4,317.55	1/4	3,902.66	1/4	3,487.76	1/4	3,072.69	1/4	2,657.60	1/4	2,242.51		
1/2	1/2		5,551.90	1/2	5,138.53	1/2	4,723.81	1/2	4,308.91	1/2	3,894.01	1/2	3,479.11	1/2	3,064.04	1/2	2,648.95	1/2	2,233.86		
3/4	3/4		5,543.32	3/4	5,129.90	3/4	4,715.16	3/4	4,300.27	3/4	3,885.37	3/4	3,470.47	3/4	3,055.39	3/4	2,640.30	3/4	2,225.22		
11		11	5,534.74	11	5,121.28	11	4,706.52	11	4,291.62	11	3,876.73	11	3,461.83	11	3,046.75	11	2,631.66	11	2,216.57		
1/4	1/4		5,526.15	1/4	5,112.66	1/4	4,697.88	1/4	4,282.98	1/4	3,868.08	1/4	3,453.18	1/4	3,038.10	1/4	2,623.01	1/4	2,207.92		
1/2	1/2		5,517.57	1/2	5,104.04	1/2	4,689.23	1/2	4,274.34	1/2	3,859.44	1/2	3,444.54	1/2	3,029.45	1/2	2,614.36	1/2	2,199.27		
3/4	3/4		5,508.99	3/4	5,095.42	3/4	4,680.59	3/4	4,265.69	3/4	3,850.79	3/4	3,435.89	3/4	3,020.80	3/4	2,605.71	3/4	2,190.62		

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED 12'-09" OFF CENTERLINE AND 49'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092

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BARGE "KIRBY 30037"

1 PORT ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30040"

GAUGE HEIGHT 15'-03"

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	2,181.98	0	1,766.89	0	1,351.86	0	938.91	0	530.39	0	120.91	0		0		0		0	
1/4	2,173.33	1/4	1,758.24	1/4	1,343.24	1/4	930.28	1/4	521.74	1/4	112.50	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,164.68	1/2	1,749.59	1/2	1,334.62	1/2	921.63	1/2	513.09	1/2	104.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,156.03	3/4	1,740.94	3/4	1,326.00	3/4	912.98	3/4	504.44	3/4	95.49	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,147.39	1	1,732.30	1	1,317.38	1	904.34	1	495.80	1	86.99	1	1	1	1	1	1	1	1
1/4	2,138.74	1/4	1,723.65	1/4	1,308.77	1/4	895.69	1/4	487.15	1/4	78.49	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,130.09	1/2	1,715.00	1/2	1,300.16	1/2	887.04	1/2	478.50	1/2	70.68	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,121.44	3/4	1,706.35	3/4	1,291.55	3/4	878.39	3/4	469.85	3/4	62.88	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2,112.80	2	1,697.71	2	1,282.94	2	869.75	2	461.21	2	55.07	2	2	2	2	2	2	2	2
1/4	2,104.15	1/4	1,689.06	1/4	1,274.34	1/4	861.10	1/4	452.56	1/4	47.26	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,095.50	1/2	1,680.41	1/2	1,265.73	1/2	852.45	1/2	443.91	1/2	41.32	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,086.85	3/4	1,671.76	3/4	1,257.13	3/4	843.80	3/4	435.26	3/4	35.37	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	2,078.20	3	1,663.11	3	1,248.52	3	835.16	3	426.62	3	29.43	3	3	3	3	3	3	3	3
1/4	2,069.56	1/4	1,654.47	1/4	1,239.92	1/4	826.51	1/4	417.97	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,060.91	1/2	1,645.82	1/2	1,231.32	1/2	818.04	1/2	409.32	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,052.26	3/4	1,637.17	3/4	1,222.72	3/4	809.56	3/4	400.67	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	2,043.61	4	1,628.52	4	1,214.12	4	801.09	4	392.03	4	4	4	4	4	4	4	4	4	4
1/4	2,034.97	1/4	1,619.88	1/4	1,205.53	1/4	792.62	1/4	383.38	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,026.32	1/2	1,611.23	1/2	1,196.93	1/2	784.20	1/2	374.73	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,017.67	3/4	1,602.58	3/4	1,188.33	3/4	775.79	3/4	366.08	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	2,009.02	5	1,593.93	5	1,179.74	5	767.38	5	357.44	5	5	5	5	5	5	5	5	5	5
1/4	2,000.37	1/4	1,585.29	1/4	1,171.14	1/4	758.96	1/4	348.79	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,991.73	1/2	1,576.64	1/2	1,162.54	1/2	750.55	1/2	340.23	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,983.08	3/4	1,567.99	3/4	1,153.95	3/4	742.13	3/4	331.67	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,974.43	6	1,559.34	6	1,145.35	6	733.72	6	323.11	6	6	6	6	6	6	6	6	6	6
1/4	1,965.78	1/4	1,550.69	1/4	1,136.75	1/4	725.31	1/4	314.55	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,957.14	1/2	1,542.05	1/2	1,128.16	1/2	716.89	1/2	306.11	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,948.49	3/4	1,533.40	3/4	1,119.56	3/4	708.48	3/4	297.66	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,939.84	7	1,524.75	7	1,110.96	7	700.07	7	289.22	7	7	7	7	7	7	7	7	7	7
1/4	1,931.19	1/4	1,516.10	1/4	1,102.37	1/4	691.65	1/4	280.78	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,922.55	1/2	1,507.46	1/2	1,093.77	1/2	683.24	1/2	272.36	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,913.90	3/4	1,498.81	3/4	1,085.17	3/4	674.82	3/4	263.95	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,905.25	8	1,490.16	8	1,076.58	8	666.41	8	255.53	8	8	8	8	8	8	8	8	8	8
1/4	1,896.60	1/4	1,481.51	1/4	1,067.98	1/4	658.00	1/4	247.12	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,887.95	1/2	1,472.87	1/2	1,059.38	1/2	649.58	1/2	238.71	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,879.31	3/4	1,464.22	3/4	1,050.79	3/4	641.17	3/4	230.29	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,870.66	9	1,455.57	9	1,042.19	9	632.75	9	221.88	9	9	9	9	9	9	9	9	9	9
1/4	1,862.01	1/4	1,446.92	1/4	1,033.59	1/4	624.34	1/4	213.46	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,853.36	1/2	1,438.27	1/2	1,025.00	1/2	615.93	1/2	205.05	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,844.72	3/4	1,429.63	3/4	1,016.40	3/4	607.51	3/4	196.64	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,836.07	10	1,420.98	10	1,007.80	10	599.10	10	188.22	10	10	10	10	10	10	10	10	10	10
1/4	1,827.42	1/4	1,412.33	1/4	999.20	1/4	590.68	1/4	179.81	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,818.77	1/2	1,403.68	1/2	990.61	1/2	582.10	1/2	171.39	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,810.13	3/4	1,395.04	3/4	982.01	3/4	573.51	3/4	162.98	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,801.48	11	1,386.39	11	973.41	11	564.92	11	154.57	11	11	11	11	11	11	11	11	11	11
1/4	1,792.83	1/4	1,377.74	1/4	964.82	1/4	556.33	1/4	146.15	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,784.18	1/2	1,369.11	1/2	956.18	1/2	547.68	1/2	137.74	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,775.53	3/4	1,360.49	3/4	947.55	3/4	539.03	3/4	129.32	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: 10/04/2012 CL - SW
CALCULATED: 10/05/2012 CL
NAME CHANGE: 08/15/2022 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2022

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



BARGE "KIRBY 30037"

1 STBD ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30040"

GAUGE HEIGHT 15'-03 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0	5,505.94	0	5,092.72	0	4,678.25	0	4,263.71	0	3,849.17	0	3,434.62	0	3,019.89	0	2,605.16
1/4	1/4			1/4	5,497.37	1/4	5,084.11	1/4	4,669.62	1/4	4,255.07	1/4	3,840.53	1/4	3,425.98	1/4	3,011.25	1/4	2,596.52
1/2	1/2			1/2	5,488.79	1/2	5,075.49	1/2	4,660.98	1/2	4,246.44	1/2	3,831.90	1/2	3,417.35	1/2	3,002.61	1/2	2,587.88
3/4	3/4	5,868.78		3/4	5,480.22	3/4	5,066.86	3/4	4,652.34	3/4	4,237.80	3/4	3,823.26	3/4	3,408.71	3/4	3,003.97	3/4	2,579.24
1		1	5,863.60	1	5,471.64	1	5,058.24	1	4,643.71	1	4,229.17	1	3,814.62	1	3,400.07	1	2,985.33	1	2,570.60
1/4	1/4		5,858.41	1/4	5,463.07	1/4	5,049.61	1/4	4,635.07	1/4	4,220.53	1/4	3,805.99	1/4	3,391.43	1/4	2,976.69	1/4	2,561.96
1/2	1/2		5,853.23	1/2	5,454.49	1/2	5,040.98	1/2	4,626.44	1/2	4,211.89	1/2	3,797.35	1/2	3,382.79	1/2	2,968.05	1/2	2,553.32
3/4	3/4	5,846.81		3/4	5,445.89	3/4	5,032.34	3/4	4,617.80	3/4	4,203.26	3/4	3,788.71	3/4	3,374.14	3/4	2,959.41	3/4	2,544.68
2		2	5,840.39	2	5,437.28	2	5,023.70	2	4,609.16	2	4,194.62	2	3,780.08	2	3,365.50	2	2,950.77	2	2,536.04
1/4	1/4		5,833.97	1/4	5,428.68	1/4	5,015.07	1/4	4,600.53	1/4	4,185.98	1/4	3,771.44	1/4	3,356.86	1/4	2,942.13	1/4	2,527.40
1/2	1/2		5,827.55	1/2	5,420.08	1/2	5,006.43	1/2	4,591.89	1/2	4,177.35	1/2	3,762.81	1/2	3,348.22	1/2	2,933.49	1/2	2,518.76
3/4	3/4	5,819.90		3/4	5,411.46	3/4	4,997.80	3/4	4,583.25	3/4	4,168.71	3/4	3,754.17	3/4	3,339.58	3/4	2,924.85	3/4	2,510.11
3		3	5,812.24	3	5,402.85	3	4,989.16	3	4,574.62	3	4,160.07	3	3,745.53	3	3,330.94	3	2,916.21	3	2,501.47
1/4	1/4		5,804.59	1/4	5,394.23	1/4	4,980.52	1/4	4,565.98	1/4	4,151.44	1/4	3,736.90	1/4	3,322.30	1/4	2,907.57	1/4	2,492.83
1/2	1/2		5,796.94	1/2	5,385.62	1/2	4,971.89	1/2	4,557.34	1/2	4,142.80	1/2	3,728.26	1/2	3,313.66	1/2	2,898.93	1/2	2,484.19
3/4	3/4	5,788.51		3/4	5,377.00	3/4	4,963.25	3/4	4,548.71	3/4	4,134.17	3/4	3,719.62	3/4	3,305.02	3/4	2,890.29	3/4	2,475.55
4		4	5,780.09	4	5,368.39	4	4,954.61	4	4,540.07	4	4,125.53	4	3,710.99	4	3,296.38	4	2,881.65	4	2,466.91
1/4	1/4		5,771.66	1/4	5,359.77	1/4	4,945.98	1/4	4,531.44	1/4	4,116.89	1/4	3,702.35	1/4	3,287.74	1/4	2,873.01	1/4	2,458.27
1/2	1/2		5,763.24	1/2	5,351.16	1/2	4,937.34	1/2	4,522.80	1/2	4,108.26	1/2	3,693.71	1/2	3,279.10	1/2	2,864.37	1/2	2,449.63
3/4	3/4	5,754.66		3/4	5,342.55	3/4	4,928.71	3/4	4,514.16	3/4	4,099.62	3/4	3,685.08	3/4	3,270.46	3/4	2,855.73	3/4	2,440.99
5		5	5,746.08	5	5,333.93	5	4,920.07	5	4,505.53	5	4,090.98	5	3,676.44	5	3,261.82	5	2,847.09	5	2,432.35
1/4	1/4		5,737.50	1/4	5,325.32	1/4	4,911.43	1/4	4,496.89	1/4	4,082.35	1/4	3,667.81	1/4	3,253.18	1/4	2,838.45	1/4	2,423.71
1/2	1/2		5,728.92	1/2	5,316.70	1/2	4,902.80	1/2	4,488.25	1/2	4,073.71	1/2	3,659.17	1/2	3,244.54	1/2	2,829.81	1/2	2,415.07
3/4	3/4	5,720.34		3/4	5,308.09	3/4	4,894.16	3/4	4,479.62	3/4	4,065.08	3/4	3,650.53	3/4	3,235.90	3/4	2,821.17	3/4	2,406.43
6		6	5,711.76	6	5,299.47	6	4,885.52	6	4,470.98	6	4,056.44	6	3,641.90	6	3,227.26	6	2,812.53	6	2,397.79
1/4	1/4		5,703.19	1/4	5,290.86	1/4	4,876.89	1/4	4,462.35	1/4	4,047.80	1/4	3,633.26	1/4	3,218.62	1/4	2,803.89	1/4	2,389.15
1/2	1/2		5,694.61	1/2	5,282.24	1/2	4,868.25	1/2	4,453.71	1/2	4,039.17	1/2	3,624.62	1/2	3,209.98	1/2	2,795.24	1/2	2,380.51
3/4	3/4	5,686.03		3/4	5,273.63	3/4	4,859.62	3/4	4,445.07	3/4	4,030.53	3/4	3,615.99	3/4	3,201.34	3/4	2,786.60	3/4	2,371.87
7		7	5,677.45	7	5,265.01	7	4,850.98	7	4,436.44	7	4,021.89	7	3,607.35	7	3,192.70	7	2,777.96	7	2,363.23
1/4	1/4		5,668.87	1/4	5,256.40	1/4	4,842.34	1/4	4,427.80	1/4	4,013.26	1/4	3,598.72	1/4	3,184.06	1/4	2,769.32	1/4	2,354.59
1/2	1/2		5,660.29	1/2	5,247.78	1/2	4,833.71	1/2	4,419.16	1/2	4,004.62	1/2	3,590.08	1/2	3,175.42	1/2	2,760.68	1/2	2,345.95
3/4	3/4	5,651.72		3/4	5,239.17	3/4	4,825.07	3/4	4,410.53	3/4	3,995.99	3/4	3,581.44	3/4	3,166.78	3/4	2,752.04	3/4	2,337.31
8		8	5,643.14	8	5,230.56	8	4,816.43	8	4,401.89	8	3,987.35	8	3,572.81	8	3,158.14	8	2,743.40	8	2,328.67
1/4	1/4		5,634.56	1/4	5,221.94	1/4	4,807.80	1/4	4,393.26	1/4	3,978.71	1/4	3,564.17	1/4	3,149.50	1/4	2,734.76	1/4	2,320.03
1/2	1/2		5,625.99	1/2	5,213.33	1/2	4,799.16	1/2	4,384.62	1/2	3,970.08	1/2	3,555.53	1/2	3,140.86	1/2	2,726.12	1/2	2,311.39
3/4	3/4	5,617.41		3/4	5,204.71	3/4	4,790.52	3/4	4,375.98	3/4	3,961.44	3/4	3,546.90	3/4	3,132.22	3/4	2,717.48	3/4	2,302.75
9		9	5,608.84	9	5,196.10	9	4,781.89	9	4,367.35	9	3,952.80	9	3,538.26	9	3,123.58	9	2,708.84	9	2,294.11
1/4	1/4		5,600.26	1/4	5,187.48	1/4	4,773.25	1/4	4,358.71	1/4	3,944.17	1/4	3,529.63	1/4	3,114.94	1/4	2,700.20	1/4	2,285.47
1/2	1/2		5,591.69	1/2	5,178.87	1/2	4,764.62	1/2	4,350.07	1/2	3,935.53	1/2	3,520.99	1/2	3,106.30	1/2	2,691.56	1/2	2,276.83
3/4	3/4	5,583.11		3/4	5,170.25	3/4	4,755.98	3/4	4,341.44	3/4	3,926.89	3/4	3,512.35	3/4	3,097.66	3/4	2,682.92	3/4	2,268.19
10		10	5,574.54	10	5,161.64	10	4,747.34	10	4,332.80	10	3,918.26	10	3,503.72	10	3,089.01	10	2,674.28	10	2,259.55
1/4	1/4		5,565.97	1/4	5,153.02	1/4	4,738.71	1/4	4,324.16	1/4	3,909.62	1/4	3,495.08	1/4	3,080.37	1/4	2,665.64	1/4	2,250.91
1/2	1/2		5,557.39	1/2	5,144.41	1/2	4,730.07	1/2	4,315.53	1/2	3,900.99	1/2	3,486.44	1/2	3,071.73	1/2	2,657.00	1/2	2,242.27
3/4	3/4	5,548.82		3/4	5,135.79	3/4	4,721.43	3/4	4,306.89	3/4	3,892.35	3/4	3,477.81	3/4	3,063.09	3/4	2,648.36	3/4	2,233.63
11		11	5,540.24	11	5,127.18	11	4,712.80	11	4,298.26	11	3,883.71	11	3,469.17	11	3,054.45	11	2,639.72	11	2,224.98
1/4	1/4		5,531.67	1/4	5,118.57	1/4	4,704.16	1/4	4,289.62	1/4	3,875.08	1/4	3,460.53	1/4	3,045.81	1/4	2,631.08	1/4	2,216.34
1/2	1/2		5,523.09	1/2	5,109.95	1/2	4,695.53	1/2	4,280.98	1/2	3,866.44	1/2	3,451.90	1/2	3,037.17	1/2	2,622.44	1/2	2,207.70
3/4	3/4	5,514.52		3/4	5,101.34	3/4	4,686.89	3/4	4,272.35	3/4	3,857.80	3/4	3,443.26	3/4	3,028.53	3/4	2,613.80	3/4	2,199.06

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED 12'-09" OFF CENTERLINE AND 49'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092

Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 30037"

1 STBD ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30040"

GAUGE HEIGHT 15'-03 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,190.42	0	1,775.69	0	1,360.95	0	946.71	0	538.58	0	129.22	0		0		0		0	
1/4	2,181.78	1/4	1,767.05	1/4	1,352.31	1/4	938.07	1/4	529.94	1/4	120.81	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,173.14	1/2	1,758.41	1/2	1,343.67	1/2	929.44	1/2	521.30	1/2	112.40	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,164.50	3/4	1,749.77	3/4	1,335.03	3/4	920.80	3/4	512.66	3/4	103.91	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,155.86	1	1,741.13	1	1,326.39	1	912.16	1	504.02	1	95.42	1	1	1	1	1	1	1	1
1/4	2,147.22	1/4	1,732.49	1/4	1,317.75	1/4	903.52	1/4	495.38	1/4	86.92	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,138.58	1/2	1,723.85	1/2	1,309.11	1/2	894.88	1/2	486.74	1/2	78.43	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,129.94	3/4	1,715.21	3/4	1,300.48	3/4	886.24	3/4	478.10	3/4	70.63	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2,121.30	2	1,706.57	2	1,291.84	2	877.60	2	469.46	2	62.82	2	2	2	2	2	2	2	2
1/4	2,112.66	1/4	1,697.93	1/4	1,283.21	1/4	868.96	1/4	460.82	1/4	55.02	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,104.02	1/2	1,689.29	1/2	1,274.57	1/2	860.32	1/2	452.18	1/2	47.22	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,095.38	3/4	1,680.65	3/4	1,265.94	3/4	851.68	3/4	443.54	3/4	41.28	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	2,086.74	3	1,672.01	3	1,257.30	3	843.04	3	434.90	3	35.34	3	3	3	3	3	3	3	3
1/4	2,078.10	1/4	1,663.37	1/4	1,248.67	1/4	834.40	1/4	426.26	1/4	29.40	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,069.46	1/2	1,654.73	1/2	1,240.04	1/2	825.76	1/2	417.62	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,060.82	3/4	1,646.08	3/4	1,231.41	3/4	817.29	3/4	408.98	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	2,052.18	4	1,637.44	4	1,222.78	4	808.83	4	400.34	4	4	4	4	4	4	4	4	4	4
1/4	2,043.54	1/4	1,628.80	1/4	1,214.15	1/4	800.36	1/4	391.70	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,034.90	1/2	1,620.16	1/2	1,205.52	1/2	791.90	1/2	383.06	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,026.26	3/4	1,611.52	3/4	1,196.90	3/4	783.49	3/4	374.42	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	2,017.62	5	1,602.88	5	1,188.27	5	775.08	5	365.78	5	5	5	5	5	5	5	5	5	5
1/4	2,008.98	1/4	1,594.24	1/4	1,179.64	1/4	766.68	1/4	357.14	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,000.34	1/2	1,585.60	1/2	1,171.02	1/2	758.27	1/2	348.50	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,991.70	3/4	1,576.96	3/4	1,162.39	3/4	749.86	3/4	339.95	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,983.06	6	1,568.32	6	1,153.77	6	741.46	6	331.39	6	6	6	6	6	6	6	6	6	6
1/4	1,974.42	1/4	1,559.68	1/4	1,145.14	1/4	733.05	1/4	322.84	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,965.78	1/2	1,551.04	1/2	1,136.51	1/2	724.64	1/2	314.29	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,957.14	3/4	1,542.40	3/4	1,127.89	3/4	716.24	3/4	305.85	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,948.50	7	1,533.76	7	1,119.26	7	707.84	7	297.42	7	7	7	7	7	7	7	7	7	7
1/4	1,939.86	1/4	1,525.12	1/4	1,110.63	1/4	699.44	1/4	288.98	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,931.21	1/2	1,516.48	1/2	1,102.01	1/2	691.04	1/2	280.54	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,922.57	3/4	1,507.84	3/4	1,093.38	3/4	682.64	3/4	272.14	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,913.93	8	1,499.20	8	1,084.75	8	674.24	8	263.73	8	8	8	8	8	8	8	8	8	8
1/4	1,905.29	1/4	1,490.56	1/4	1,076.13	1/4	665.84	1/4	255.32	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,896.65	1/2	1,481.92	1/2	1,067.50	1/2	657.44	1/2	246.92	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,888.01	3/4	1,473.28	3/4	1,058.87	3/4	649.03	3/4	238.51	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,879.37	9	1,464.64	9	1,050.25	9	640.63	9	230.10	9	9	9	9	9	9	9	9	9	9
1/4	1,870.73	1/4	1,456.00	1/4	1,041.62	1/4	632.22	1/4	221.70	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,862.09	1/2	1,447.36	1/2	1,033.00	1/2	623.82	1/2	213.29	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,853.45	3/4	1,438.72	3/4	1,024.37	3/4	615.41	3/4	204.88	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,844.81	10	1,430.08	10	1,015.74	10	607.00	10	196.47	10	10	10	10	10	10	10	10	10	10
1/4	1,836.17	1/4	1,421.44	1/4	1,007.12	1/4	598.60	1/4	188.07	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,827.53	1/2	1,412.80	1/2	998.49	1/2	590.19	1/2	179.66	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,818.89	3/4	1,404.16	3/4	989.86	3/4	581.61	3/4	171.25	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,810.25	11	1,395.52	11	981.24	11	573.03	11	162.85	11	11	11	11	11	11	11	11	11	11
1/4	1,801.61	1/4	1,386.88	1/4	972.61	1/4	564.45	1/4	154.44	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,792.97	1/2	1,378.24	1/2	963.98	1/2	555.86	1/2	146.03	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,784.33	3/4	1,369.60	3/4	955.35	3/4	547.22	3/4	137.63	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: 10/04/2012 CL - SW
CALCULATED: 10/05/2012 CL
NAME CHANGE: 08/15/2022 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2022

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



BARGE "KIRBY 30037"

2 PORT ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30040"

GAUGE HEIGHT 15'-02 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0	5,065.57	0	4,729.63	0	4,372.01	0	4,013.23	0	3,654.42	0	3,295.62	0	2,936.80	0	2,577.81	0	2,218.81		
1/4	1/4	5,061.09	1/4	4,722.21	1/4	4,364.54	1/4	4,005.75	1/4	3,646.95	1/4	3,288.14	1/4	2,929.33	1/4	2,570.33	1/4	2,211.33			
1/2	1/2	5,056.61	1/2	4,714.80	1/2	4,357.08	1/2	3,998.28	1/2	3,639.47	1/2	3,280.67	1/2	2,921.85	1/2	2,562.85	1/2	2,203.85			
3/4	3/4	5,052.13	3/4	4,707.39	3/4	4,349.61	3/4	3,992.80	3/4	3,632.00	3/4	3,273.19	3/4	2,914.37	3/4	2,553.37	3/4	2,196.37			
1		1	5,046.58	1	4,699.94	1	4,342.13	1	3,983.33	1	3,624.52	1	3,265.72	1	2,906.89	1	2,547.89	1	2,188.89		
1/4	1/4	5,041.04	1/4	4,692.50	1/4	4,334.66	1/4	3,975.85	1/4	3,617.05	1/4	3,258.24	1/4	2,899.41	1/4	2,540.41	1/4	2,181.42			
1/2	1/2	5,035.49	1/2	4,685.06	1/2	4,327.18	1/2	3,968.38	1/2	3,609.57	1/2	3,250.77	1/2	2,891.93	1/2	2,532.93	1/2	2,173.94			
3/4	3/4	5,029.94	3/4	4,677.61	3/4	4,319.71	3/4	3,960.90	3/4	3,602.10	3/4	3,243.29	3/4	2,884.45	3/4	2,525.45	3/4	2,166.46			
2		2	5,023.32	2	4,670.16	2	4,312.23	2	3,953.43	2	3,594.62	2	3,235.82	2	2,876.97	2	2,517.97	2	2,158.98		
1/4	1/4	5,016.70	1/4	4,662.71	1/4	4,304.76	1/4	3,945.95	1/4	3,587.15	1/4	3,228.34	1/4	2,869.49	1/4	2,510.50	1/4	2,151.50			
1/2	1/2	5,010.09	1/2	4,655.25	1/2	4,297.28	1/2	3,938.48	1/2	3,579.67	1/2	3,220.87	1/2	2,862.01	1/2	2,503.02	1/2	2,144.02			
3/4	3/4	5,003.47	3/4	4,647.80	3/4	4,289.81	3/4	3,931.00	3/4	3,572.20	3/4	3,213.39	3/4	2,854.53	3/4	2,495.54	3/4	2,136.54			
3		3	4,996.18	3	4,640.35	3	4,282.33	3	3,923.53	3	3,564.72	3	3,205.92	3	2,847.06	3	2,488.06	3	2,129.06		
1/4	1/4	4,988.90	1/4	4,632.89	1/4	4,274.86	1/4	3,916.05	1/4	3,557.25	1/4	3,198.44	1/4	2,839.58	1/4	2,480.58	1/4	2,121.58			
1/2	1/2	4,981.61	1/2	4,625.44	1/2	4,267.38	1/2	3,908.58	1/2	3,549.77	1/2	3,190.97	1/2	2,832.10	1/2	2,473.10	1/2	2,114.10			
3/4	3/4	4,974.33	3/4	4,617.99	3/4	4,259.91	3/4	3,901.10	3/4	3,542.30	3/4	3,183.49	3/4	2,824.62	3/4	2,465.62	3/4	2,106.62			
4		4	4,966.91	4	4,610.53	4	4,252.43	4	3,893.63	4	3,534.82	4	3,176.02	4	2,817.14	4	2,458.14	4	2,099.15		
1/4	1/4	4,959.49	1/4	4,603.08	1/4	4,244.96	1/4	3,886.15	1/4	3,527.35	1/4	3,168.54	1/4	2,809.66	1/4	2,450.66	1/4	2,091.67			
1/2	1/2	4,952.08	1/2	4,595.63	1/2	4,237.48	1/2	3,878.68	1/2	3,519.87	1/2	3,161.07	1/2	2,802.18	1/2	2,443.18	1/2	2,084.19			
3/4	3/4	4,944.66	3/4	4,588.17	3/4	4,230.01	3/4	3,871.20	3/4	3,512.40	3/4	3,153.59	3/4	2,794.70	3/4	2,435.70	3/4	2,076.71			
5		5	4,937.24	5	4,580.72	5	4,222.53	5	3,863.73	5	3,504.92	5	3,146.12	5	2,787.22	5	2,428.23	5	2,069.23		
1/4	1/4	4,929.82	1/4	4,573.27	1/4	4,215.06	1/4	3,856.25	1/4	3,497.45	1/4	3,138.64	1/4	2,779.74	1/4	2,420.75	1/4	2,061.75			
1/2	1/2	4,922.41	1/2	4,565.81	1/2	4,207.58	1/2	3,848.78	1/2	3,489.97	1/2	3,131.17	1/2	2,772.26	1/2	2,413.27	1/2	2,054.27			
3/4	3/4	4,914.99	3/4	4,558.36	3/4	4,200.11	3/4	3,841.30	3/4	3,482.50	3/4	3,123.69	3/4	2,764.79	3/4	2,405.79	3/4	2,046.79			
6		6	4,907.57	6	4,550.91	6	4,192.63	6	3,833.83	6	3,475.02	6	3,116.22	6	2,757.31	6	2,398.31	6	2,039.31		
1/4	1/4	4,900.15	1/4	4,543.45	1/4	4,185.16	1/4	3,826.35	1/4	3,467.55	1/4	3,108.74	1/4	2,749.83	1/4	2,390.83	1/4	2,031.83			
1/2	1/2	4,892.74	1/2	4,536.00	1/2	4,177.68	1/2	3,818.88	1/2	3,460.07	1/2	3,101.27	1/2	2,742.35	1/2	2,383.35	1/2	2,024.35			
3/4	3/4	4,885.32	3/4	4,528.55	3/4	4,170.21	3/4	3,811.40	3/4	3,452.60	3/4	3,093.79	3/4	2,734.87	3/4	2,375.87	3/4	2,016.88			
7		7	4,877.90	7	4,521.09	7	4,162.73	7	3,803.93	7	3,445.12	7	3,086.32	7	2,727.39	7	2,368.39	7	2,009.40		
1/4	1/4	4,870.49	1/4	4,513.64	1/4	4,155.26	1/4	3,796.45	1/4	3,437.65	1/4	3,078.84	1/4	2,719.91	1/4	2,360.91	1/4	2,001.92			
1/2	1/2	4,863.07	1/2	4,506.19	1/2	4,147.78	1/2	3,788.98	1/2	3,430.17	1/2	3,071.37	1/2	2,712.43	1/2	2,353.43	1/2	1,994.44			
3/4	3/4	4,855.66	3/4	4,498.73	3/4	4,140.31	3/4	3,781.50	3/4	3,422.70	3/4	3,063.89	3/4	2,704.95	3/4	2,345.96	3/4	1,986.96			
8		8	4,848.24	8	4,491.28	8	4,132.83	8	3,774.03	8	3,415.22	8	3,056.42	8	2,697.47	8	2,338.48	8	1,979.48		
1/4	1/4	4,840.83	1/4	4,483.83	1/4	4,125.35	1/4	3,766.55	1/4	3,407.75	1/4	3,048.94	1/4	2,689.99	1/4	2,331.00	1/4	1,972.00			
1/2	1/2	4,833.42	1/2	4,476.37	1/2	4,117.88	1/2	3,759.08	1/2	3,400.27	1/2	3,041.47	1/2	2,682.51	1/2	2,323.52	1/2	1,964.52			
3/4	3/4	4,826.00	3/4	4,468.92	3/4	4,110.40	3/4	3,751.60	3/4	3,392.80	3/4	3,033.99	3/4	2,675.04	3/4	2,316.04	3/4	1,957.04			
9		9	4,818.59	9	4,461.47	9	4,102.93	9	3,744.12	9	3,385.32	9	3,026.52	9	2,667.56	9	2,308.56	9	1,949.56		
1/4	1/4	4,811.18	1/4	4,454.01	1/4	4,095.45	1/4	3,736.65	1/4	3,377.84	1/4	3,019.04	1/4	2,660.08	1/4	2,301.08	1/4	1,942.08			
1/2	1/2	4,803.76	1/2	4,446.56	1/2	4,087.98	1/2	3,729.17	1/2	3,370.37	1/2	3,011.56	1/2	2,652.60	1/2	2,293.60	1/2	1,934.60			
3/4	3/4	4,796.35	3/4	4,439.11	3/4	4,080.50	3/4	3,721.70	3/4	3,362.89	3/4	3,004.09	3/4	2,645.12	3/4	2,286.12	3/4	1,927.13			
10		10	4,788.94	10	4,431.65	10	4,073.03	10	3,714.22	10	3,355.42	10	2,996.61	10	2,637.64	10	2,278.64	10	1,919.65		
1/4	1/4	4,781.52	1/4	4,424.20	1/4	4,065.55	1/4	3,706.75	1/4	3,347.94	1/4	2,989.14	1/4	2,630.16	1/4	2,271.16	1/4	1,912.17			
1/2	1/2	4,774.11	1/2	4,416.75	1/2	4,058.08	1/2	3,699.27	1/2	3,340.47	1/2	2,981.66	1/2	2,622.68	1/2	2,263.69	1/2	1,904.69			
3/4	3/4	4,766.70	3/4	4,409.29	3/4	4,050.60	3/4	3,691.80	3/4	3,332.99	3/4	2,974.19	3/4	2,615.20	3/4	2,256.21	3/4	1,897.21			
11		11	4,759.28	11	4,401.84	11	4,043.13	11	3,684.32	11	3,325.52	11	2,966.71	11	2,607.72	11	2,248.73	11	1,889.73		
1/4	1/4	4,751.87	1/4	4,394.39	1/4	4,035.65	1/4	3,676.85	1/4	3,318.04	1/4	2,959.24	1/4	2,600.24	1/4	2,241.25	1/4	1,882.25			
1/2	1/2	4,744.45	1/2	4,386.93	1/2	4,028.18	1/2	3,669.37	1/2	3,310.57	1/2	2,951.76	1/2	2,592.77	1/2	2,233.77	1/2	1,874.77			
3/4	3/4	4,737.04	3/4	4,379.48	3/4	4,020.70	3/4	3,661.90	3/4	3,303.09	3/4	2,944.28	3/4	2,585.29	3/4	2,226.29	3/4	1,867.29			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED 12'-09" OFF CENTERLINE AND 42'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092

Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 30037"

2 PORT ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30040"

GAUGE HEIGHT 15'-02 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	1,859.81	0	1,500.82	0	1,142.95	0	797.19	0	443.85	0	90.04	0		0		0		0	
1/4	1,852.33	1/4	1,493.34	1/4	1,135.75	1/4	789.71	1/4	436.37	1/4	82.69	1/4		1/4		1/4		1/4	
1/2	1,844.86	1/2	1,485.86	1/2	1,128.56	1/2	782.23	1/2	428.90	1/2	75.34	1/2		1/2		1/2		1/2	
3/4	1,837.38	3/4	1,478.38	3/4	1,121.36	3/4	774.75	3/4	421.42	3/4	67.99	3/4		3/4		3/4		3/4	
1	1,829.90	1	1,470.90	1	1,114.18	1	767.27	1	413.94	1	61.23	1		1		1		1	
1/4	1,822.42	1/4	1,463.42	1/4	1,106.99	1/4	759.79	1/4	406.46	1/4	54.48	1/4		1/4		1/4		1/4	
1/2	1,814.94	1/2	1,455.94	1/2	1,099.80	1/2	752.31	1/2	398.98	1/2	47.73	1/2		1/2		1/2		1/2	
3/4	1,807.46	3/4	1,448.46	3/4	1,092.62	3/4	744.83	3/4	391.50	3/4	40.98	3/4		3/4		3/4		3/4	
2	1,799.98	2	1,440.98	2	1,085.44	2	737.35	2	384.02	2	35.83	2		2		2		2	
1/4	1,792.50	1/4	1,433.51	1/4	1,078.25	1/4	729.88	1/4	376.54	1/4	30.69	1/4		1/4		1/4		1/4	
1/2	1,785.02	1/2	1,426.03	1/2	1,071.07	1/2	722.40	1/2	369.07	1/2	25.55	1/2		1/2		1/2		1/2	
3/4	1,777.54	3/4	1,418.55	3/4	1,063.89	3/4	714.92	3/4	361.59	3/4		3/4		3/4		3/4		3/4	
3	1,770.06	3	1,411.07	3	1,056.71	3	707.59	3	354.11	3		3		3		3		3	
1/4	1,762.59	1/4	1,403.59	1/4	1,049.53	1/4	700.26	1/4	346.63	1/4		1/4		1/4		1/4		1/4	
1/2	1,755.11	1/2	1,396.11	1/2	1,042.36	1/2	692.94	1/2	339.15	1/2		1/2		1/2		1/2		1/2	
3/4	1,747.63	3/4	1,388.63	3/4	1,035.18	3/4	685.61	3/4	331.67	3/4		3/4		3/4		3/4		3/4	
4	1,740.15	4	1,381.15	4	1,028.00	4	678.33	4	324.19	4		4		4		4		4	
1/4	1,732.67	1/4	1,373.67	1/4	1,020.83	1/4	671.05	1/4	316.71	1/4		1/4		1/4		1/4		1/4	
1/2	1,725.19	1/2	1,366.19	1/2	1,013.65	1/2	663.78	1/2	309.23	1/2		1/2		1/2		1/2		1/2	
3/4	1,717.71	3/4	1,358.71	3/4	1,006.48	3/4	656.50	3/4	301.76	3/4		3/4		3/4		3/4		3/4	
5	1,710.23	5	1,351.24	5	999.30	5	649.22	5	294.35	5		5		5		5		5	
1/4	1,702.75	1/4	1,343.76	1/4	992.13	1/4	641.95	1/4	286.95	1/4		1/4		1/4		1/4		1/4	
1/2	1,695.27	1/2	1,336.28	1/2	984.95	1/2	634.67	1/2	279.55	1/2		1/2		1/2		1/2		1/2	
3/4	1,687.79	3/4	1,328.80	3/4	977.78	3/4	627.39	3/4	272.14	3/4		3/4		3/4		3/4		3/4	
6	1,680.32	6	1,321.32	6	970.60	6	620.12	6	264.84	6		6		6		6		6	
1/4	1,672.84	1/4	1,313.84	1/4	963.43	1/4	612.84	1/4	257.54	1/4		1/4		1/4		1/4		1/4	
1/2	1,665.36	1/2	1,306.36	1/2	956.25	1/2	605.56	1/2	250.24	1/2		1/2		1/2		1/2		1/2	
3/4	1,657.88	3/4	1,298.88	3/4	949.08	3/4	598.28	3/4	242.94	3/4		3/4		3/4		3/4		3/4	
7	1,650.40	7	1,291.40	7	941.90	7	591.01	7	235.66	7		7		7		7		7	
1/4	1,642.92	1/4	1,283.92	1/4	934.73	1/4	583.73	1/4	228.38	1/4		1/4		1/4		1/4		1/4	
1/2	1,635.44	1/2	1,276.44	1/2	927.55	1/2	576.45	1/2	221.10	1/2		1/2		1/2		1/2		1/2	
3/4	1,627.96	3/4	1,268.97	3/4	920.38	3/4	569.18	3/4	213.83	3/4		3/4		3/4		3/4		3/4	
8	1,620.48	8	1,261.49	8	913.20	8	561.90	8	206.55	8		8		8		8		8	
1/4	1,613.00	1/4	1,254.01	1/4	906.03	1/4	554.62	1/4	199.27	1/4		1/4		1/4		1/4		1/4	
1/2	1,605.52	1/2	1,246.53	1/2	898.85	1/2	547.35	1/2	192.00	1/2		1/2		1/2		1/2		1/2	
3/4	1,598.05	3/4	1,239.05	3/4	891.68	3/4	540.07	3/4	184.72	3/4		3/4		3/4		3/4		3/4	
9	1,590.57	9	1,231.57	9	884.50	9	532.79	9	177.44	9		9		9		9		9	
1/4	1,583.09	1/4	1,224.09	1/4	877.33	1/4	525.52	1/4	170.17	1/4		1/4		1/4		1/4		1/4	
1/2	1,575.61	1/2	1,216.61	1/2	870.15	1/2	518.24	1/2	162.89	1/2		1/2		1/2		1/2		1/2	
3/4	1,568.13	3/4	1,209.13	3/4	862.98	3/4	510.96	3/4	155.61	3/4		3/4		3/4		3/4		3/4	
10	1,560.65	10	1,201.65	10	855.80	10	503.53	10	148.33	10		10		10		10		10	
1/4	1,553.17	1/4	1,194.17	1/4	848.63	1/4	496.10	1/4	141.06	1/4		1/4		1/4		1/4		1/4	
1/2	1,545.69	1/2	1,186.69	1/2	841.45	1/2	488.68	1/2	133.78	1/2		1/2		1/2		1/2		1/2	
3/4	1,538.21	3/4	1,179.22	3/4	834.28	3/4	481.25	3/4	126.50	3/4		3/4		3/4		3/4		3/4	
11	1,530.73	11	1,171.95	11	826.87	11	473.77	11	119.23	11		11		11		11		11	
1/4	1,523.25	1/4	1,164.68	1/4	819.47	1/4	466.29	1/4	111.95	1/4		1/4		1/4		1/4		1/4	
1/2	1,515.78	1/2	1,157.41	1/2	812.07	1/2	458.81	1/2	104.67	1/2		1/2		1/2		1/2		1/2	
3/4	1,508.30	3/4	1,150.15	3/4	804.66	3/4	451.33	3/4	97.40	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/04/2012 CL - SW
CALCULATED: 10/05/2012 CL
NAME CHANGE: 08/15/2022 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2022

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



BARGE "KIRBY 30037"

2 STBD ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30040"

GAUGE HEIGHT 15'-02 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0	5,079.92	0	4,740.71	0	4,382.69	0	4,023.55	0	3,664.40	0	3,305.25	0	2,946.07	0	2,586.73	0	2,227.39
1/4	1/4	5,075.43	1/4	4,733.29	1/4	4,375.21	1/4	4,016.07	1/4	3,656.92	1/4	3,297.76	1/4	2,938.58	1/4	2,579.24	1/4	2,219.90	1/4
1/2	1/2	5,070.95	1/2	4,725.87	1/2	4,367.73	1/2	4,008.58	1/2	3,649.43	1/2	3,290.28	1/2	2,931.10	1/2	2,571.76	1/2	2,212.41	1/2
3/4	3/4	5,065.40	3/4	4,718.42	3/4	4,360.25	3/4	4,001.10	3/4	3,641.95	3/4	3,282.80	3/4	2,923.61	3/4	2,563.27	3/4	2,204.93	3/4
1		1	5,059.84	1	4,710.97	1	4,352.77	1	3,993.62	1	3,634.47	1	3,275.32	1	2,916.13	1	2,556.78	1	2,197.44
1/4	1/4	5,054.29	1/4	4,703.52	1/4	4,345.29	1/4	3,986.14	1/4	3,626.99	1/4	3,267.84	1/4	2,908.64	1/4	2,549.30	1/4	2,189.95	1/4
1/2	1/2	5,048.74	1/2	4,696.07	1/2	4,337.80	1/2	3,978.65	1/2	3,619.50	1/2	3,260.35	1/2	2,901.15	1/2	2,541.81	1/2	2,182.47	1/2
3/4	3/4	5,042.11	3/4	4,688.61	3/4	4,330.32	3/4	3,971.17	3/4	3,612.02	3/4	3,252.87	3/4	2,893.67	3/4	2,534.32	3/4	2,174.98	3/4
2		2	5,035.49	2	4,681.14	2	4,322.84	2	3,963.69	2	3,604.54	2	3,245.39	2	2,886.18	2	2,526.84	2	2,167.50
1/4	1/4	5,028.86	1/4	4,673.68	1/4	4,315.36	1/4	3,956.21	1/4	3,597.06	1/4	3,237.91	1/4	2,878.69	1/4	2,519.35	1/4	2,160.01	1/4
1/2	1/2	5,022.24	1/2	4,666.22	1/2	4,307.88	1/2	3,948.73	1/2	3,589.57	1/2	3,220.42	1/2	2,871.21	1/2	2,511.87	1/2	2,152.52	1/2
3/4	3/4	5,014.95	3/4	4,658.76	3/4	4,300.39	3/4	3,941.24	3/4	3,582.09	3/4	3,212.94	3/4	2,863.72	3/4	2,504.38	3/4	2,145.04	3/4
3		3	5,007.66	3	4,651.30	3	4,292.91	3	3,933.76	3	3,574.61	3	3,215.46	3	2,856.24	3	2,496.89	3	2,137.55
1/4	1/4	5,000.36	1/4	4,643.84	1/4	4,285.43	1/4	3,926.28	1/4	3,567.13	1/4	3,207.98	1/4	2,848.75	1/4	2,489.41	1/4	2,130.06	1/4
1/2	1/2	4,993.07	1/2	4,636.38	1/2	4,277.95	1/2	3,918.80	1/2	3,559.65	1/2	3,200.50	1/2	2,841.26	1/2	2,481.92	1/2	2,122.58	1/2
3/4	3/4	4,985.65	3/4	4,628.92	3/4	4,270.46	3/4	3,911.31	3/4	3,552.16	3/4	3,193.01	3/4	2,833.78	3/4	2,474.43	3/4	2,115.09	3/4
4		4	4,978.22	4	4,621.46	4	4,262.98	4	3,903.83	4	3,544.68	4	3,185.53	4	2,826.29	4	2,466.95	4	2,107.61
1/4	1/4	4,970.80	1/4	4,614.00	1/4	4,255.50	1/4	3,896.35	1/4	3,537.20	1/4	3,178.05	1/4	2,818.80	1/4	2,459.46	1/4	2,100.12	1/4
1/2	1/2	4,963.37	1/2	4,606.54	1/2	4,248.02	1/2	3,888.87	1/2	3,529.72	1/2	3,170.57	1/2	2,811.32	1/2	2,451.98	1/2	2,092.63	1/2
3/4	3/4	4,955.95	3/4	4,599.08	3/4	4,240.53	3/4	3,881.38	3/4	3,522.23	3/4	3,163.08	3/4	2,803.83	3/4	2,444.49	3/4	2,085.15	3/4
5		5	4,948.52	5	4,591.62	5	4,233.05	5	3,873.90	5	3,514.75	5	3,155.60	5	2,796.34	5	2,437.00	5	2,077.66
1/4	1/4	4,941.10	1/4	4,584.16	1/4	4,225.57	1/4	3,866.42	1/4	3,507.27	1/4	3,148.12	1/4	2,788.86	1/4	2,429.52	1/4	2,070.17	1/4
1/2	1/2	4,933.67	1/2	4,576.70	1/2	4,218.09	1/2	3,858.94	1/2	3,499.79	1/2	3,140.64	1/2	2,781.37	1/2	2,422.03	1/2	2,062.69	1/2
3/4	3/4	4,926.25	3/4	4,569.24	3/4	4,210.61	3/4	3,851.46	3/4	3,492.30	3/4	3,133.15	3/4	2,773.89	3/4	2,414.54	3/4	2,055.20	3/4
6		6	4,918.82	6	4,561.78	6	4,203.12	6	3,843.97	6	3,484.82	6	3,125.67	6	2,766.40	6	2,407.06	6	2,047.71
1/4	1/4	4,911.40	1/4	4,554.31	1/4	4,195.64	1/4	3,836.49	1/4	3,477.34	1/4	3,118.19	1/4	2,758.91	1/4	2,399.57	1/4	2,040.23	1/4
1/2	1/2	4,903.97	1/2	4,546.85	1/2	4,188.16	1/2	3,829.01	1/2	3,469.86	1/2	3,110.71	1/2	2,751.43	1/2	2,392.08	1/2	2,032.74	1/2
3/4	3/4	4,896.55	3/4	4,539.39	3/4	4,180.68	3/4	3,821.53	3/4	3,462.38	3/4	3,103.23	3/4	2,743.94	3/4	2,384.60	3/4	2,025.26	3/4
7		7	4,889.13	7	4,531.93	7	4,173.19	7	3,814.04	7	3,454.89	7	3,095.74	7	2,736.45	7	2,377.11	7	2,017.77
1/4	1/4	4,881.71	1/4	4,524.47	1/4	4,165.71	1/4	3,806.56	1/4	3,447.41	1/4	3,088.26	1/4	2,728.97	1/4	2,369.63	1/4	2,010.28	1/4
1/2	1/2	4,874.28	1/2	4,517.01	1/2	4,158.23	1/2	3,799.08	1/2	3,439.93	1/2	3,080.78	1/2	2,721.48	1/2	2,362.14	1/2	2,002.80	1/2
3/4	3/4	4,866.86	3/4	4,509.55	3/4	4,150.75	3/4	3,791.60	3/4	3,432.45	3/4	3,073.30	3/4	2,714.00	3/4	2,354.65	3/4	1,995.31	3/4
8		8	4,859.44	8	4,502.09	8	4,143.26	8	3,784.11	8	3,424.96	8	3,065.81	8	2,706.51	8	2,347.17	8	1,987.82
1/4	1/4	4,852.02	1/4	4,494.63	1/4	4,135.78	1/4	3,776.63	1/4	3,417.48	1/4	3,058.33	1/4	2,699.02	1/4	2,339.68	1/4	1,980.34	1/4
1/2	1/2	4,844.60	1/2	4,487.17	1/2	4,128.30	1/2	3,769.15	1/2	3,410.00	1/2	3,050.85	1/2	2,691.54	1/2	2,332.19	1/2	1,972.85	1/2
3/4	3/4	4,837.18	3/4	4,479.71	3/4	4,120.82	3/4	3,761.67	3/4	3,402.52	3/4	3,043.37	3/4	2,684.05	3/4	2,324.71	3/4	1,965.37	3/4
9		9	4,829.76	9	4,472.25	9	4,113.34	9	3,754.19	9	3,395.03	9	3,035.88	9	2,676.56	9	2,317.22	9	1,957.88
1/4	1/4	4,822.34	1/4	4,464.79	1/4	4,105.85	1/4	3,746.70	1/4	3,387.55	1/4	3,028.40	1/4	2,669.08	1/4	2,309.74	1/4	1,950.39	1/4
1/2	1/2	4,814.92	1/2	4,457.33	1/2	4,098.37	1/2	3,739.22	1/2	3,380.07	1/2	3,020.92	1/2	2,661.59	1/2	2,302.25	1/2	1,942.91	1/2
3/4	3/4	4,807.50	3/4	4,449.87	3/4	4,090.89	3/4	3,731.74	3/4	3,372.59	3/4	3,013.44	3/4	2,654.11	3/4	2,294.76	3/4	1,935.42	3/4
10		10	4,800.08	10	4,442.41	10	4,083.41	10	3,724.26	10	3,365.11	10	3,005.96	10	2,646.62	10	2,287.28	10	1,927.93
1/4	1/4	4,792.66	1/4	4,434.94	1/4	4,075.92	1/4	3,716.77	1/4	3,357.62	1/4	2,998.47	1/4	2,639.13	1/4	2,279.79	1/4	1,920.45	1/4
1/2	1/2	4,785.23	1/2	4,427.48	1/2	4,068.44	1/2	3,709.29	1/2	3,350.14	1/2	2,990.99	1/2	2,631.65	1/2	2,272.30	1/2	1,912.96	1/2
3/4	3/4	4,777.81	3/4	4,420.02	3/4	4,060.96	3/4	3,701.81	3/4	3,342.66	3/4	2,983.50	3/4	2,624.16	3/4	2,264.82	3/4	1,905.48	3/4
11		11	4,770.39	11	4,412.56	11	4,053.48	11	3,694.33	11	3,335.18	11	2,976.02	11	2,616.67	11	2,257.33	11	1,897.99
1/4	1/4	4,762.97	1/4	4,405.10	1/4	4,046.00	1/4	3,686.84	1/4	3,327.69	1/4	2,968.53	1/4	2,609.19	1/4	2,249.84	1/4	1,890.50	1/4
1/2	1/2	4,755.55	1/2	4,397.64	1/2	4,038.51	1/2	3,679.36	1/2	3,320.21	1/2	2,961.04	1/2	2,601.70	1/2	2,242.36	1/2	1,883.02	1/2
3/4	3/4	5,084.40	3/4	4,748.13	3/4	4,390.16	3/4	4,031.03	3/4	3,671.88	3/4	3,312.73	3/4	2,953.56	3/4	2,234.87	3/4	1,875.53	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED 12'-09" OFF CENTERLINE AND 42'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092

Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 30037"

2 STBD ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30040"

GAUGE HEIGHT 15'-02 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	1,868.04	0	1,508.70	0	1,149.36	0	790.48	0	436.80	0	82.77	0		0		0		0	
1/4	1,860.56	1/4	1,501.21	1/4	1,141.87	1/4	782.99	1/4	429.31	1/4	75.41	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,853.07	1/2	1,493.73	1/2	1,134.39	1/2	775.50	1/2	421.83	1/2	68.05	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,845.58	3/4	1,486.24	3/4	1,126.90	3/4	768.02	3/4	414.34	3/4	61.29	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,838.10	1	1,478.76	1	1,119.42	1	760.53	1	406.85	1	54.53	1	1	1	1	1	1	1	1
1/4	1,830.61	1/4	1,471.27	1/4	1,111.94	1/4	753.05	1/4	399.37	1/4	47.77	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,823.13	1/2	1,463.78	1/2	1,104.46	1/2	745.56	1/2	391.88	1/2	41.01	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,815.64	3/4	1,456.30	3/4	1,096.98	3/4	738.07	3/4	384.40	3/4	35.87	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,808.15	2	1,448.81	2	1,089.50	2	730.59	2	376.91	2	30.72	2	2	2	2	2	2	2	2
1/4	1,800.67	1/4	1,441.32	1/4	1,082.02	1/4	723.10	1/4	369.42	1/4	25.58	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,793.18	1/2	1,433.84	1/2	1,074.53	1/2	715.61	1/2	361.94	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,785.69	3/4	1,426.35	3/4	1,067.06	3/4	708.28	3/4	354.45	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,778.21	3	1,418.87	3	1,059.58	3	700.95	3	346.97	3	3	3	3	3	3	3	3	3	3
1/4	1,770.72	1/4	1,411.38	1/4	1,052.11	1/4	693.61	1/4	339.48	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,763.24	1/2	1,403.89	1/2	1,044.63	1/2	686.28	1/2	331.99	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,755.75	3/4	1,396.41	3/4	1,037.16	3/4	678.99	3/4	324.51	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,748.26	4	1,388.92	4	1,029.69	4	671.71	4	317.02	4	4	4	4	4	4	4	4	4	4
1/4	1,740.78	1/4	1,381.43	1/4	1,022.21	1/4	664.42	1/4	309.54	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,733.29	1/2	1,373.95	1/2	1,014.74	1/2	657.14	1/2	302.05	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,725.80	3/4	1,366.46	3/4	1,007.27	3/4	649.86	3/4	294.64	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,718.32	5	1,358.98	5	999.79	5	642.57	5	287.23	5	5	5	5	5	5	5	5	5	5
1/4	1,710.83	1/4	1,351.49	1/4	992.32	1/4	635.29	1/4	279.82	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,703.35	1/2	1,344.00	1/2	984.85	1/2	628.00	1/2	272.41	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,695.86	3/4	1,336.52	3/4	977.37	3/4	620.72	3/4	265.10	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,688.37	6	1,329.03	6	969.90	6	613.43	6	257.79	6	6	6	6	6	6	6	6	6	6
1/4	1,680.89	1/4	1,321.54	1/4	962.43	1/4	606.15	1/4	250.48	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,673.40	1/2	1,314.06	1/2	954.95	1/2	598.87	1/2	243.17	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,665.91	3/4	1,306.57	3/4	947.48	3/4	591.58	3/4	235.89	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,658.43	7	1,299.08	7	940.01	7	584.30	7	228.60	7	7	7	7	7	7	7	7	7	7
1/4	1,650.94	1/4	1,291.60	1/4	932.53	1/4	577.01	1/4	221.32	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,643.45	1/2	1,284.11	1/2	925.06	1/2	569.73	1/2	214.03	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,635.97	3/4	1,276.63	3/4	917.59	3/4	562.45	3/4	206.75	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,628.48	8	1,269.14	8	910.11	8	555.16	8	199.47	8	8	8	8	8	8	8	8	8	8
1/4	1,621.00	1/4	1,261.65	1/4	902.64	1/4	547.88	1/4	192.18	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,613.51	1/2	1,254.17	1/2	895.17	1/2	540.59	1/2	184.90	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,606.02	3/4	1,246.68	3/4	887.69	3/4	533.31	3/4	177.61	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,598.54	9	1,239.19	9	880.22	9	526.03	9	170.33	9	9	9	9	9	9	9	9	9	9
1/4	1,591.05	1/4	1,231.71	1/4	872.75	1/4	518.74	1/4	163.04	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,583.56	1/2	1,224.22	1/2	865.27	1/2	511.46	1/2	155.76	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,576.08	3/4	1,216.74	3/4	857.80	3/4	504.02	3/4	148.48	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,568.59	10	1,209.25	10	850.33	10	496.59	10	141.19	10	10	10	10	10	10	10	10	10	10
1/4	1,561.11	1/4	1,201.76	1/4	842.85	1/4	489.15	1/4	133.91	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,553.62	1/2	1,194.28	1/2	835.38	1/2	481.72	1/2	126.62	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,546.13	3/4	1,186.79	3/4	827.90	3/4	474.23	3/4	119.34	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,538.65	11	1,179.30	11	820.41	11	466.74	11	112.06	11	11	11	11	11	11	11	11	11	11
1/4	1,531.16	1/4	1,171.82	1/4	812.93	1/4	459.26	1/4	104.77	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,523.67	1/2	1,164.33	1/2	805.45	1/2	451.77	1/2	97.49	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,516.19	3/4	1,156.85	3/4	797.96	3/4	444.28	3/4	90.13	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: 10/04/2012 CL - SW
CALCULATED: 10/05/2012 CL
NAME CHANGE: 08/15/2022 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2022

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



BARGE "KIRBY 30037"

3 PORT ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30040"

GAUGE HEIGHT 15'-03 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0	4,016.17	0	3,880.33	0	3,743.66	0	3,606.94	0	3,301.09	0	2,944.45	0	2,587.53	0	2,231.58
1/4	1/4	1/4	1/4	1/4	4,013.36	1/4	3,877.50	1/4	3,740.81	1/4	3,604.09	1/4	3,293.68	1/4	2,937.02	1/4	2,580.09	1/4	2,224.19
1/2	1/2	1/2	1/2	1/2	4,010.56	1/2	3,874.67	1/2	3,737.96	1/2	3,601.24	1/2	3,286.27	1/2	2,929.58	1/2	2,572.65	1/2	2,216.80
3/4	3/4	3/4	3/4	3/4	4,123.30	3/4	4,007.75	3/4	3,871.82	3/4	3,735.11	3/4	3,598.39	3/4	3,278.86	3/4	2,922.15	3/4	2,209.42
1		1		1	4,004.94	1	3,868.98	1	3,732.27	1	3,595.54	1	3,271.44	1	2,914.71	1	2,557.76	1	2,202.04
1/4	1/4	1/4	1/4	1/4	4,123.04	1/4	4,002.14	1/4	3,866.14	1/4	3,729.42	1/4	3,592.69	1/4	3,264.03	1/4	2,907.28	1/4	2,550.32
1/2	1/2	1/2	1/2	1/2	4,122.91	1/2	3,999.33	1/2	3,863.29	1/2	3,726.57	1/2	3,589.85	1/2	3,256.62	1/2	2,899.84	1/2	2,542.88
3/4	3/4	3/4	3/4	3/4	4,121.97	3/4	3,996.50	3/4	3,860.44	3/4	3,723.72	3/4	3,587.00	3/4	3,249.19	3/4	2,892.40	3/4	2,535.43
2		2		2	4,121.03	2	3,993.68	2	3,857.60	2	3,720.87	2	3,584.15	2	3,241.76	2	2,884.97	2	2,527.99
1/4	1/4	1/4	1/4	1/4	4,120.08	1/4	3,990.85	1/4	3,854.75	1/4	3,718.02	1/4	3,581.30	1/4	3,234.34	1/4	2,877.53	1/4	2,520.55
1/2	1/2	1/2	1/2	1/2	4,119.14	1/2	3,988.02	1/2	3,851.90	1/2	3,715.18	1/2	3,578.45	1/2	3,226.91	1/2	2,870.10	1/2	2,513.10
3/4	3/4	3/4	3/4	3/4	4,117.13	3/4	3,985.19	3/4	3,849.05	3/4	3,712.33	3/4	3,572.15	3/4	3,219.48	3/4	2,862.66	3/4	2,505.66
3		3		3	4,115.12	3	3,982.35	3	3,846.20	3	3,709.48	3	3,565.85	3	3,212.04	3	2,855.23	3	2,498.22
1/4	1/4	1/4	1/4	1/4	4,113.11	1/4	3,979.52	1/4	3,843.35	1/4	3,706.63	1/4	3,559.54	1/4	3,204.61	1/4	2,847.79	1/4	2,490.78
1/2	1/2	1/2	1/2	1/2	4,111.10	1/2	3,976.69	1/2	3,840.50	1/2	3,703.78	1/2	3,553.24	1/2	3,197.18	1/2	2,840.35	1/2	2,483.33
3/4	3/4	3/4	3/4	3/4	4,108.43	3/4	3,973.85	3/4	3,837.66	3/4	3,700.93	3/4	3,545.81	3/4	3,189.74	3/4	2,832.92	3/4	2,475.92
4		4		4	4,105.75	4	3,971.02	4	3,834.81	4	3,698.08	4	3,538.38	4	3,182.31	4	2,825.48	4	2,468.50
1/4	1/4	1/4	1/4	1/4	4,103.08	1/4	3,968.18	1/4	3,831.96	1/4	3,695.24	1/4	3,530.95	1/4	3,174.88	1/4	2,818.05	1/4	2,461.09
1/2	1/2	1/2	1/2	1/2	4,100.40	1/2	3,965.35	1/2	3,829.11	1/2	3,692.39	1/2	3,523.52	1/2	3,167.44	1/2	2,810.61	1/2	2,453.68
3/4	3/4	3/4	3/4	3/4	4,097.59	3/4	3,962.52	3/4	3,826.26	3/4	3,689.54	3/4	3,516.09	3/4	3,160.01	3/4	2,803.18	3/4	2,446.27
5		5		5	4,094.78	5	3,959.68	5	3,823.41	5	3,686.69	5	3,508.67	5	3,152.58	5	2,795.74	5	2,438.87
1/4	1/4	1/4	1/4	1/4	4,091.97	1/4	3,956.85	1/4	3,820.57	1/4	3,683.84	1/4	3,501.25	1/4	3,145.15	1/4	2,788.30	1/4	2,431.46
1/2	1/2	1/2	1/2	1/2	4,089.16	1/2	3,954.01	1/2	3,817.72	1/2	3,680.99	1/2	3,493.82	1/2	3,137.71	1/2	2,780.87	1/2	2,424.06
3/4	3/4	3/4	3/4	3/4	4,086.35	3/4	3,951.18	3/4	3,814.87	3/4	3,678.15	3/4	3,486.41	3/4	3,130.28	3/4	2,773.43	3/4	2,416.65
6		6		6	4,083.54	6	3,948.35	6	3,812.02	6	3,675.30	6	3,478.99	6	3,122.85	6	2,766.00	6	2,409.25
1/4	1/4	1/4	1/4	1/4	4,080.74	1/4	3,945.51	1/4	3,809.17	1/4	3,672.45	1/4	3,471.58	1/4	3,115.41	1/4	2,758.56	1/4	2,401.84
1/2	1/2	1/2	1/2	1/2	4,077.93	1/2	3,942.68	1/2	3,806.32	1/2	3,669.60	1/2	3,464.16	1/2	3,107.98	1/2	2,751.13	1/2	2,394.44
3/4	3/4	3/4	3/4	3/4	4,075.12	3/4	3,939.85	3/4	3,803.48	3/4	3,666.75	3/4	3,456.75	3/4	3,100.55	3/4	2,743.69	3/4	2,387.04
7		7		7	4,072.31	7	3,937.01	7	3,800.63	7	3,663.90	7	3,449.34	7	3,093.11	7	2,736.25	7	2,379.63
1/4	1/4	1/4	1/4	1/4	4,069.50	1/4	3,934.18	1/4	3,797.78	1/4	3,661.06	1/4	3,441.93	1/4	3,085.68	1/4	2,728.82	1/4	2,372.23
1/2	1/2	1/2	1/2	1/2	4,066.69	1/2	3,931.34	1/2	3,794.93	1/2	3,658.21	1/2	3,434.51	1/2	3,078.25	1/2	2,721.38	1/2	2,364.82
3/4	3/4	3/4	3/4	3/4	4,063.88	3/4	3,928.51	3/4	3,792.08	3/4	3,655.36	3/4	3,427.10	3/4	3,070.82	3/4	2,713.95	3/4	2,357.42
8		8		8	4,061.07	8	3,925.68	8	3,789.23	8	3,652.51	8	3,419.69	8	3,063.38	8	2,706.51	8	2,350.01
1/4	1/4	1/4	1/4	1/4	4,058.27	1/4	3,922.84	1/4	3,786.39	1/4	3,649.66	1/4	3,412.28	1/4	3,055.95	1/4	2,699.08	1/4	2,342.61
1/2	1/2	1/2	1/2	1/2	4,055.46	1/2	3,920.01	1/2	3,783.54	1/2	3,646.81	1/2	3,404.86	1/2	3,048.52	1/2	2,691.64	1/2	2,335.20
3/4	3/4	3/4	3/4	3/4	4,052.65	3/4	3,917.17	3/4	3,780.69	3/4	3,643.97	3/4	3,397.45	3/4	3,041.08	3/4	2,684.20	3/4	2,327.80
9		9		9	4,049.85	9	3,914.34	9	3,777.84	9	3,641.12	9	3,390.04	9	3,033.65	9	2,676.77	9	2,320.40
1/4	1/4	1/4	1/4	1/4	4,047.04	1/4	3,911.51	1/4	3,774.99	1/4	3,638.27	1/4	3,382.63	1/4	3,026.22	1/4	2,669.33	1/4	2,312.99
1/2	1/2	1/2	1/2	1/2	4,044.23	1/2	3,908.67	1/2	3,772.14	1/2	3,635.42	1/2	3,375.22	1/2	3,018.78	1/2	2,661.90	1/2	2,305.59
3/4	3/4	3/4	3/4	3/4	4,041.43	3/4	3,905.84	3/4	3,769.29	3/4	3,632.57	3/4	3,367.80	3/4	3,011.35	3/4	2,654.46	3/4	2,298.18
10		10		10	4,038.62	10	3,903.00	10	3,766.45	10	3,629.72	10	3,360.39	10	3,003.92	10	2,647.03	10	2,290.78
1/4	1/4	1/4	1/4	1/4	4,035.81	1/4	3,900.17	1/4	3,763.60	1/4	3,626.87	1/4	3,352.98	1/4	2,996.49	1/4	2,639.59	1/4	2,283.37
1/2	1/2	1/2	1/2	1/2	4,033.01	1/2	3,897.34	1/2	3,760.75	1/2	3,624.03	1/2	3,345.57	1/2	2,989.05	1/2	2,632.15	1/2	2,275.97
3/4	3/4	3/4	3/4	3/4	4,030.20	3/4	3,894.50	3/4	3,757.90	3/4	3,621.18	3/4	3,338.15	3/4	2,981.62	3/4	2,624.72	3/4	2,268.56
11		11		11	4,027.39	11	3,891.67	11	3,755.05	11	3,618.33	11	3,330.74	11	2,974.19	11	2,617.28	11	2,261.16
1/4	1/4	1/4	1/4	1/4	4,024.59	1/4	3,888.84	1/4	3,752.20	1/4	3,615.48	1/4	3,323.33	1/4	2,966.75	1/4	2,609.85	1/4	2,253.75
1/2	1/2	1/2	1/2	1/2	4,021.78	1/2	3,886.00	1/2	3,749.36	1/2	3,612.63	1/2	3,315.92	1/2	2,959.32	1/2	2,602.41	1/2	2,246.35
3/4	3/4	3/4	3/4	3/4	4,018.98	3/4	3,883.17	3/4	3,746.51	3/4	3,609.78	3/4	3,308.50	3/4	2,951.89	3/4	2,594.97	3/4	2,238.96

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED 12'-09" OFF CENTERLINE AND 56'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092

Pearland, Texas 77588
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BARGE "KIRBY 30037"

3 PORT ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30040"

GAUGE HEIGHT 15'-03 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,877.22	0	1,519.99	0	1,163.04	0	816.15	0	464.44	0	111.63	0		0		0		0	
1/4	1,869.80	1/4	1,512.55	1/4	1,155.76	1/4	808.76	1/4	457.00	1/4	104.38	1/4		1/4		1/4		1/4	
1/2	1,862.37	1/2	1,505.11	1/2	1,148.47	1/2	801.37	1/2	449.55	1/2	97.13	1/2		1/2		1/2		1/2	
3/4	1,854.93	3/4	1,497.66	3/4	1,141.24	3/4	793.93	3/4	442.11	3/4	89.80	3/4		3/4		3/4		3/4	
1	1,847.48	1	1,490.22	1	1,134.01	1	786.48	1	434.66	1	82.47	1		1		1		1	
1/4	1,840.04	1/4	1,482.78	1/4	1,126.77	1/4	779.03	1/4	427.21	1/4	75.13	1/4		1/4		1/4		1/4	
1/2	1,832.60	1/2	1,475.33	1/2	1,119.54	1/2	771.58	1/2	419.77	1/2	67.80	1/2		1/2		1/2		1/2	
3/4	1,825.16	3/4	1,467.89	3/4	1,112.32	3/4	764.14	3/4	412.32	3/4	61.07	3/4		3/4		3/4		3/4	
2	1,817.71	2	1,460.45	2	1,105.09	2	756.69	2	404.88	2	54.33	2		2		2		2	
1/4	1,810.27	1/4	1,453.01	1/4	1,097.87	1/4	749.24	1/4	397.43	1/4	47.60	1/4		1/4		1/4		1/4	
1/2	1,802.83	1/2	1,445.56	1/2	1,090.65	1/2	741.79	1/2	389.98	1/2	40.86	1/2		1/2		1/2		1/2	
3/4	1,795.38	3/4	1,438.12	3/4	1,083.43	3/4	734.35	3/4	382.54	3/4	35.74	3/4		3/4		3/4		3/4	
3	1,787.94	3	1,430.68	3	1,076.20	3	726.90	3	375.09	3	30.61	3		3		3		3	
1/4	1,780.50	1/4	1,423.23	1/4	1,068.98	1/4	719.45	1/4	367.65	1/4	25.49	1/4		1/4		1/4		1/4	
1/2	1,773.05	1/2	1,415.79	1/2	1,061.76	1/2	712.01	1/2	360.20	1/2		1/2		1/2		1/2		1/2	
3/4	1,765.61	3/4	1,408.35	3/4	1,054.55	3/4	704.71	3/4	352.76	3/4		3/4		3/4		3/4		3/4	
4	1,758.17	4	1,400.90	4	1,047.33	4	697.41	4	345.31	4	4	4		4		4		4	
1/4	1,750.73	1/4	1,393.46	1/4	1,040.12	1/4	690.12	1/4	337.86	1/4		1/4		1/4		1/4		1/4	
1/2	1,743.28	1/2	1,386.02	1/2	1,032.90	1/2	682.82	1/2	330.42	1/2		1/2		1/2		1/2		1/2	
3/4	1,735.84	3/4	1,378.58	3/4	1,025.69	3/4	675.57	3/4	322.97	3/4		3/4		3/4		3/4		3/4	
5	1,728.40	5	1,371.13	5	1,018.48	5	668.33	5	315.53	5	5	5		5		5		5	
1/4	1,720.95	1/4	1,363.69	1/4	1,011.26	1/4	661.08	1/4	308.08	1/4		1/4		1/4		1/4		1/4	
1/2	1,713.51	1/2	1,356.25	1/2	1,004.05	1/2	653.84	1/2	300.63	1/2		1/2		1/2		1/2		1/2	
3/4	1,706.07	3/4	1,348.80	3/4	996.84	3/4	646.59	3/4	293.26	3/4		3/4		3/4		3/4		3/4	
6	1,698.62	6	1,341.36	6	989.62	6	639.35	6	285.89	6	6	6		6		6		6	
1/4	1,691.18	1/4	1,333.92	1/4	982.41	1/4	632.10	1/4	278.52	1/4		1/4		1/4		1/4		1/4	
1/2	1,683.74	1/2	1,326.47	1/2	975.20	1/2	624.85	1/2	271.15	1/2		1/2		1/2		1/2		1/2	
3/4	1,676.30	3/4	1,319.03	3/4	967.98	3/4	617.61	3/4	263.88	3/4		3/4		3/4		3/4		3/4	
7	1,668.85	7	1,311.59	7	960.77	7	610.36	7	256.61	7	7	7		7		7		7	
1/4	1,661.41	1/4	1,304.15	1/4	953.56	1/4	603.12	1/4	249.34	1/4		1/4		1/4		1/4		1/4	
1/2	1,653.97	1/2	1,296.70	1/2	946.34	1/2	595.87	1/2	242.07	1/2		1/2		1/2		1/2		1/2	
3/4	1,646.52	3/4	1,289.26	3/4	939.13	3/4	588.63	3/4	234.83	3/4		3/4		3/4		3/4		3/4	
8	1,639.08	8	1,281.82	8	931.92	8	581.38	8	227.58	8	8	8		8		8		8	
1/4	1,631.64	1/4	1,274.37	1/4	924.70	1/4	574.13	1/4	220.34	1/4		1/4		1/4		1/4		1/4	
1/2	1,624.19	1/2	1,266.93	1/2	917.49	1/2	566.89	1/2	213.09	1/2		1/2		1/2		1/2		1/2	
3/4	1,616.75	3/4	1,259.49	3/4	910.28	3/4	559.64	3/4	205.85	3/4		3/4		3/4		3/4		3/4	
9	1,609.31	9	1,252.04	9	903.06	9	552.40	9	198.60	9	9	9		9		9		9	
1/4	1,601.87	1/4	1,244.60	1/4	895.85	1/4	545.15	1/4	191.36	1/4		1/4		1/4		1/4		1/4	
1/2	1,594.42	1/2	1,237.16	1/2	888.63	1/2	537.91	1/2	184.11	1/2		1/2		1/2		1/2		1/2	
3/4	1,586.98	3/4	1,229.72	3/4	881.42	3/4	530.66	3/4	176.86	3/4		3/4		3/4		3/4		3/4	
10	1,579.54	10	1,222.27	10	874.21	10	523.41	10	169.62	10	10	10		10		10		10	
1/4	1,572.09	1/4	1,214.83	1/4	866.99	1/4	516.17	1/4	162.37	1/4		1/4		1/4		1/4		1/4	
1/2	1,564.65	1/2	1,207.39	1/2	859.78	1/2	508.92	1/2	155.12	1/2		1/2		1/2		1/2		1/2	
3/4	1,557.21	3/4	1,199.94	3/4	852.57	3/4	501.53	3/4	147.88	3/4		3/4		3/4		3/4		3/4	
11	1,549.76	11	1,192.50	11	845.35	11	494.13	11	140.63	11	11	11		11		11		11	
1/4	1,542.32	1/4	1,185.06	1/4	838.14	1/4	486.73	1/4	133.38	1/4		1/4		1/4		1/4		1/4	
1/2	1,534.88	1/2	1,177.61	1/2	830.93	1/2	479.34	1/2	126.13	1/2		1/2		1/2		1/2		1/2	
3/4	1,527.44	3/4	1,170.33	3/4	823.54	3/4	471.89	3/4	118.88	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/04/2012 CL - SW
CALCULATED: 10/05/2012 CL
NAME CHANGE: 08/15/2022 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2022

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



BARGE "KIRBY 30037"

3 STBD ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30040"

GAUGE HEIGHT 15'-02 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
0	0	0	4,031.42	0	3,895.74	0	3,759.25	0	3,622.74	0	3,307.34	0	2,949.87	0	2,592.17	0	2,234.13		
1/4	1/4	1/4	4,143.95	1/4	4,028.61	1/4	3,892.90	1/4	3,756.40	1/4	3,619.90	1/4	3,299.91	1/4	2,942.42	1/4	2,584.71	1/4	2,226.67
1/2	1/2	1/2	4,143.83	1/2	4,025.81	1/2	3,890.06	1/2	3,753.56	1/2	3,617.06	1/2	3,292.48	1/2	2,934.97	1/2	2,577.25	1/2	2,219.21
3/4	3/4	3/4	4,143.70	3/4	4,023.01	3/4	3,887.22	3/4	3,750.72	3/4	3,614.21	3/4	3,285.05	3/4	2,927.52	3/4	2,569.79	3/4	2,211.75
1	1	1	4,143.58	1	4,020.21	1	3,884.37	1	3,747.87	1	3,611.37	1	3,277.63	1	2,920.06	1	2,562.33	1	2,204.29
1/4	1/4	1/4	4,142.64	1/4	4,017.38	1/4	3,881.53	1/4	3,745.03	1/4	3,608.53	1/4	3,270.18	1/4	2,912.61	1/4	2,554.87	1/4	2,196.83
1/2	1/2	1/2	4,141.70	1/2	4,014.56	1/2	3,878.69	1/2	3,742.18	1/2	3,605.68	1/2	3,262.74	1/2	2,905.16	1/2	2,547.41	1/2	2,189.37
3/4	3/4	3/4	4,140.76	3/4	4,011.74	3/4	3,875.84	3/4	3,739.34	3/4	3,602.84	3/4	3,255.29	3/4	2,897.71	3/4	2,539.95	3/4	2,181.91
2	2	2	4,139.82	2	4,008.92	2	3,873.00	2	3,736.50	2	3,599.99	2	3,247.85	2	2,890.26	2	2,532.50	2	2,174.45
1/4	1/4	1/4	4,137.81	1/4	4,006.09	1/4	3,870.15	1/4	3,733.65	1/4	3,593.69	1/4	3,240.40	1/4	2,882.80	1/4	2,525.04	1/4	2,166.99
1/2	1/2	1/2	4,135.81	1/2	4,003.26	1/2	3,867.31	1/2	3,730.81	1/2	3,587.39	1/2	3,232.95	1/2	2,875.35	1/2	2,517.58	1/2	2,159.54
3/4	3/4	3/4	4,133.80	3/4	4,000.43	3/4	3,864.47	3/4	3,727.96	3/4	3,581.09	3/4	3,225.50	3/4	2,867.90	3/4	2,510.12	3/4	2,152.08
3	3	3	4,131.80	3	3,997.60	3	3,861.62	3	3,725.12	3	3,574.79	3	3,218.05	3	2,860.45	3	2,502.66	3	2,144.62
1/4	1/4	1/4	4,129.13	1/4	3,994.77	1/4	3,858.78	1/4	3,722.28	1/4	3,567.35	1/4	3,210.60	1/4	2,853.00	1/4	2,495.20	1/4	2,137.16
1/2	1/2	1/2	4,126.46	1/2	3,991.94	1/2	3,855.94	1/2	3,719.43	1/2	3,559.92	1/2	3,203.15	1/2	2,845.55	1/2	2,487.74	1/2	2,129.70
3/4	3/4	3/4	4,123.79	3/4	3,989.11	3/4	3,853.09	3/4	3,716.59	3/4	3,552.49	3/4	3,195.70	3/4	2,838.09	3/4	2,480.28	3/4	2,122.24
4	4	4	4,121.11	4	3,986.28	4	3,850.25	4	3,713.75	4	3,545.05	4	3,188.25	4	2,830.64	4	2,472.82	4	2,114.78
1/4	1/4	1/4	4,118.31	1/4	3,983.45	1/4	3,847.40	1/4	3,710.90	1/4	3,537.62	1/4	3,180.81	1/4	2,823.19	1/4	2,465.36	1/4	2,107.32
1/2	1/2	1/2	4,115.50	1/2	3,980.62	1/2	3,844.56	1/2	3,708.06	1/2	3,530.19	1/2	3,173.36	1/2	2,815.74	1/2	2,457.90	1/2	2,099.86
3/4	3/4	3/4	4,112.70	3/4	3,977.79	3/4	3,841.72	3/4	3,705.21	3/4	3,522.77	3/4	3,165.91	3/4	2,808.29	3/4	2,450.44	3/4	2,092.40
5	5	5	4,109.90	5	3,974.96	5	3,838.87	5	3,702.37	5	3,515.34	5	3,158.46	5	2,800.83	5	2,442.98	5	2,084.94
1/4	1/4	1/4	4,107.09	1/4	3,972.14	1/4	3,836.03	1/4	3,699.53	1/4	3,507.91	1/4	3,151.01	1/4	2,793.38	1/4	2,435.53	1/4	2,077.48
1/2	1/2	1/2	4,104.29	1/2	3,969.31	1/2	3,833.19	1/2	3,696.68	1/2	3,500.48	1/2	3,143.56	1/2	2,785.93	1/2	2,428.07	1/2	2,070.02
3/4	3/4	3/4	4,101.48	3/4	3,966.48	3/4	3,830.34	3/4	3,693.84	3/4	3,493.05	3/4	3,136.11	3/4	2,778.48	3/4	2,420.61	3/4	2,062.57
6	6	6	4,098.68	6	3,963.65	6	3,827.50	6	3,691.00	6	3,485.62	6	3,128.66	6	2,771.03	6	2,413.15	6	2,055.11
1/4	1/4	1/4	4,095.87	1/4	3,960.82	1/4	3,824.65	1/4	3,688.15	1/4	3,478.19	1/4	3,121.21	1/4	2,763.57	1/4	2,405.69	1/4	2,047.65
1/2	1/2	1/2	4,093.07	1/2	3,957.99	1/2	3,821.81	1/2	3,685.31	1/2	3,470.77	1/2	3,113.76	1/2	2,756.12	1/2	2,398.23	1/2	2,040.19
3/4	3/4	3/4	4,090.26	3/4	3,955.16	3/4	3,818.97	3/4	3,682.46	3/4	3,463.34	3/4	3,106.31	3/4	2,748.67	3/4	2,390.77	3/4	2,032.73
7	7	7	4,087.46	7	3,952.33	7	3,816.12	7	3,679.62	7	3,455.91	7	3,098.86	7	2,741.22	7	2,383.31	7	2,025.27
1/4	1/4	1/4	4,084.66	1/4	3,949.50	1/4	3,813.28	1/4	3,676.78	1/4	3,448.48	1/4	3,091.41	1/4	2,733.77	1/4	2,375.85	1/4	2,017.81
1/2	1/2	1/2	4,081.85	1/2	3,946.67	1/2	3,810.44	1/2	3,673.93	1/2	3,441.05	1/2	3,083.97	1/2	2,726.31	1/2	2,368.39	1/2	2,010.35
3/4	3/4	3/4	4,079.05	3/4	3,943.84	3/4	3,807.59	3/4	3,671.09	3/4	3,433.62	3/4	3,076.52	3/4	2,718.86	3/4	2,360.93	3/4	2,002.89
8	8	8	4,076.25	8	3,941.01	8	3,804.75	8	3,668.25	8	3,426.20	8	3,069.07	8	2,711.41	8	2,353.47	8	1,995.43
1/4	1/4	1/4	4,073.45	1/4	3,938.18	1/4	3,801.90	1/4	3,665.40	1/4	3,418.77	1/4	3,061.62	1/4	2,703.96	1/4	2,346.02	1/4	1,987.97
1/2	1/2	1/2	4,070.64	1/2	3,935.35	1/2	3,799.06	1/2	3,662.56	1/2	3,411.34	1/2	3,054.17	1/2	2,696.51	1/2	2,338.56	1/2	1,980.51
3/4	3/4	3/4	4,067.84	3/4	3,932.52	3/4	3,796.22	3/4	3,659.71	3/4	3,403.91	3/4	3,046.72	3/4	2,689.06	3/4	2,331.10	3/4	1,973.06
9	9	9	4,065.04	9	3,929.69	9	3,793.37	9	3,656.87	9	3,396.48	9	3,039.27	9	2,681.60	9	2,323.64	9	1,965.60
1/4	1/4	1/4	4,062.24	1/4	3,926.86	1/4	3,790.53	1/4	3,654.03	1/4	3,389.05	1/4	3,031.82	1/4	2,674.15	1/4	2,316.18	1/4	1,958.14
1/2	1/2	1/2	4,059.44	1/2	3,924.04	1/2	3,787.68	1/2	3,651.18	1/2	3,381.62	1/2	3,024.37	1/2	2,666.70	1/2	2,308.72	1/2	1,950.68
3/4	3/4	3/4	4,056.63	3/4	3,921.21	3/4	3,784.84	3/4	3,648.34	3/4	3,374.20	3/4	3,016.92	3/4	2,659.25	3/4	2,301.26	3/4	1,943.22
10	10	10	4,053.83	10	3,918.38	10	3,782.00	10	3,645.49	10	3,366.77	10	3,009.47	10	2,651.80	10	2,293.80	10	1,935.76
1/4	1/4	1/4	4,051.03	1/4	3,915.55	1/4	3,779.15	1/4	3,642.65	1/4	3,359.34	1/4	3,002.02	1/4	2,644.34	1/4	2,286.34	1/4	1,928.30
1/2	1/2	1/2	4,048.23	1/2	3,912.72	1/2	3,776.31	1/2	3,639.81	1/2	3,351.91	1/2	2,994.58	1/2	2,636.89	1/2	2,278.88	1/2	1,920.84
3/4	3/4	3/4	4,045.43	3/4	3,909.89	3/4	3,773.47	3/4	3,636.96	3/4	3,344.48	3/4	2,987.13	3/4	2,629.44	3/4	2,271.42	3/4	1,913.38
11	11	11	4,042.62	11	3,907.06	11	3,770.62	11	3,634.12	11	3,337.05	11	2,979.68	11	2,621.99	11	2,263.96	11	1,905.92
1/4	1/4	1/4	4,039.82	1/4	3,904.23	1/4	3,767.78	1/4	3,631.28	1/4	3,329.62	1/4	2,972.23	1/4	2,614.53	1/4	2,256.50	1/4	1,898.46
1/2	1/2	1/2	4,037.02	1/2	3,901.40	1/2	3,764.93	1/2	3,628.43	1/2	3,322.20	1/2	2,964.77	1/2	2,607.08	1/2	2,249.05	1/2	1,891.00
3/4	3/4	3/4	4,034.22	3/4	3,898.57	3/4	3,762.09	3/4	3,625.59	3/4	3,314.77	3/4	2,957.32	3/4	2,599.62	3/4	2,241.59	3/4	1,883.54

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED 12'-09" OFF CENTERLINE AND 56'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092

Pearland, Texas 77588
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BARGE "KIRBY 30037"

3 STBD ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30040"

GAUGE HEIGHT 15'-02 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	1,876.09	0	1,518.04	0	1,160.00	0	802.52	0	450.13	0	97.14	0		0		0		0	
1/4	1,868.63	1/4	1,510.58	1/4	1,152.54	1/4	795.06	1/4	442.67	1/4	89.81	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,861.17	1/2	1,503.13	1/2	1,145.08	1/2	787.60	1/2	435.21	1/2	82.48	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,853.71	3/4	1,495.67	3/4	1,137.62	3/4	780.14	3/4	427.75	3/4	75.14	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,846.25	1	1,488.21	1	1,130.17	1	772.68	1	420.30	1	67.81	1	1	1	1	1	1	1	1
1/4	1,838.79	1/4	1,480.75	1/4	1,122.71	1/4	765.22	1/4	412.84	1/4	61.08	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,831.33	1/2	1,473.29	1/2	1,115.26	1/2	757.76	1/2	405.38	1/2	54.34	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,823.87	3/4	1,465.83	3/4	1,107.81	3/4	750.30	3/4	397.92	3/4	47.61	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,816.41	2	1,458.37	2	1,100.35	2	742.84	2	390.46	2	40.87	2	2	2	2	2	2	2	2
1/4	1,808.95	1/4	1,450.91	1/4	1,092.90	1/4	735.39	1/4	383.00	1/4	35.75	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,801.49	1/2	1,443.45	1/2	1,085.45	1/2	727.93	1/2	375.54	1/2	30.62	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,794.03	3/4	1,435.99	3/4	1,078.00	3/4	720.47	3/4	368.08	3/4	25.49	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,786.58	3	1,428.53	3	1,070.55	3	713.01	3	360.62	3		3	3	3	3	3	3	3	3
1/4	1,779.12	1/4	1,421.07	1/4	1,063.10	1/4	705.70	1/4	353.17	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,771.66	1/2	1,413.62	1/2	1,055.66	1/2	698.39	1/2	345.71	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,764.20	3/4	1,406.16	3/4	1,048.21	3/4	691.09	3/4	338.25	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,756.74	4	1,398.70	4	1,040.77	4	683.78	4	330.79	4	4	4	4	4	4	4	4	4	4
1/4	1,749.28	1/4	1,391.24	1/4	1,033.32	1/4	676.52	1/4	323.33	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,741.82	1/2	1,383.78	1/2	1,025.88	1/2	669.26	1/2	315.87	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,734.36	3/4	1,376.32	3/4	1,018.43	3/4	662.01	3/4	308.41	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,726.90	5	1,368.86	5	1,010.99	5	654.75	5	300.95	5	5	5	5	5	5	5	5	5	5
1/4	1,719.44	1/4	1,361.40	1/4	1,003.55	1/4	647.49	1/4	293.57	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,711.98	1/2	1,353.94	1/2	996.10	1/2	640.23	1/2	286.19	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,704.52	3/4	1,346.48	3/4	988.66	3/4	632.98	3/4	278.80	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,697.06	6	1,339.02	6	981.21	6	625.72	6	271.42	6	6	6	6	6	6	6	6	6	6
1/4	1,689.61	1/4	1,331.56	1/4	973.77	1/4	618.46	1/4	264.14	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,682.15	1/2	1,324.10	1/2	966.33	1/2	611.20	1/2	256.86	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,674.69	3/4	1,316.65	3/4	958.88	3/4	603.95	3/4	249.57	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,667.23	7	1,309.19	7	951.44	7	596.69	7	242.29	7	7	7	7	7	7	7	7	7	7
1/4	1,659.77	1/4	1,301.73	1/4	944.00	1/4	589.43	1/4	235.03	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,652.31	1/2	1,294.27	1/2	936.55	1/2	582.18	1/2	227.78	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,644.85	3/4	1,286.81	3/4	929.11	3/4	574.92	3/4	220.52	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,637.39	8	1,279.35	8	921.66	8	567.66	8	213.26	8	8	8	8	8	8	8	8	8	8
1/4	1,629.93	1/4	1,271.89	1/4	914.22	1/4	560.40	1/4	206.00	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,622.47	1/2	1,264.43	1/2	906.78	1/2	553.15	1/2	198.75	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,615.01	3/4	1,256.97	3/4	899.33	3/4	545.89	3/4	191.49	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,607.55	9	1,249.51	9	891.89	9	538.63	9	184.23	9	9	9	9	9	9	9	9	9	9
1/4	1,600.10	1/4	1,242.05	1/4	884.44	1/4	531.37	1/4	176.97	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,592.64	1/2	1,234.59	1/2	877.00	1/2	524.12	1/2	169.72	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,585.18	3/4	1,227.14	3/4	869.56	3/4	516.86	3/4	162.46	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,577.72	10	1,219.68	10	862.11	10	509.60	10	155.20	10	10	10	10	10	10	10	10	10	10
1/4	1,570.26	1/4	1,212.22	1/4	854.67	1/4	502.19	1/4	147.94	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,562.80	1/2	1,204.76	1/2	847.22	1/2	494.78	1/2	140.69	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,555.34	3/4	1,197.30	3/4	839.78	3/4	487.38	3/4	133.43	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,547.88	11	1,189.84	11	832.34	11	479.97	11	126.17	11	11	11	11	11	11	11	11	11	11
1/4	1,540.42	1/4	1,182.38	1/4	824.88	1/4	472.51	1/4	118.91	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,532.96	1/2	1,174.92	1/2	817.43	1/2	465.05	1/2	111.66	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,525.50	3/4	1,167.46	3/4	809.97	3/4	457.59	3/4	104.40	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: 10/04/2012 CL - SW
CALCULATED: 10/05/2012 CL
NAME CHANGE: 08/15/2022 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2022

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



BARGE "KIRBY 30037"

SMALL FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "SMS 30040"

GAUGE HEIGHT 4'-05 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	100	0	257	0	413	0	513	0		0		0		0		0	
1/4	1	1/4	103	1/4	260	1/4	416	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1	1/2	106	1/2	263	1/2	419	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2	3/4	109	3/4	267	3/4	422	3/4		3/4		3/4		3/4		3/4		3/4	
1	3	1	112	1	270	1	424	1		1		1		1		1		1	
1/4	4	1/4	115	1/4	274	1/4	427	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	5	1/2	118	1/2	277	1/2	430	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	6	3/4	121	3/4	280	3/4	433	3/4		3/4		3/4		3/4		3/4		3/4	
2	7	2	124	2	284	2	436	2		2		2		2		2		2	
1/4	9	1/4	128	1/4	287	1/4	438	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	10	1/2	131	1/2	291	1/2	441	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	12	3/4	134	3/4	294	3/4	444	3/4		3/4		3/4		3/4		3/4		3/4	
3	13	3	137	3	297	3	446	3		3		3		3		3		3	
1/4	15	1/4	140	1/4	301	1/4	449	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	17	1/2	143	1/2	304	1/2	452	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	19	3/4	147	3/4	307	3/4	454	3/4		3/4		3/4		3/4		3/4		3/4	
4	20	4	150	4	311	4	457	4		4		4		4		4		4	
1/4	22	1/4	153	1/4	314	1/4	459	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	24	1/2	156	1/2	317	1/2	462	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	26	3/4	159	3/4	321	3/4	464	3/4		3/4		3/4		3/4		3/4		3/4	
5	28	5	163	5	324	5	467	5		5		5		5		5		5	
1/4	31	1/4	166	1/4	327	1/4	469	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	33	1/2	169	1/2	331	1/2	471	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	35	3/4	172	3/4	334	3/4	474	3/4		3/4		3/4		3/4		3/4		3/4	
6	37	6	176	6	337	6	476	6		6		6		6		6		6	
1/4	39	1/4	179	1/4	341	1/4	478	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	42	1/2	182	1/2	344	1/2	480	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	44	3/4	186	3/4	347	3/4	483	3/4		3/4		3/4		3/4		3/4		3/4	
7	46	7	189	7	350	7	485	7		7		7		7		7		7	
1/4	49	1/4	192	1/4	354	1/4	487	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	51	1/2	196	1/2	357	1/2	489	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	54	3/4	199	3/4	360	3/4	491	3/4		3/4		3/4		3/4		3/4		3/4	
8	56	8	202	8	363	8	493	8		8		8		8		8		8	
1/4	59	1/4	206	1/4	367	1/4	494	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	61	1/2	209	1/2	370	1/2	496	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	64	3/4	212	3/4	373	3/4	498	3/4		3/4		3/4		3/4		3/4		3/4	
9	67	9	216	9	376	9	500	9		9		9		9		9		9	
1/4	69	1/4	219	1/4	379	1/4	501	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	72	1/2	223	1/2	382	1/2	503	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	75	3/4	226	3/4	385	3/4	504	3/4		3/4		3/4		3/4		3/4		3/4	
10	77	10	229	10	389	10	506	10		10		10		10		10		10	
1/4	80	1/4	233	1/4	392	1/4	507	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	83	1/2	236	1/2	395	1/2	508	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	86	3/4	240	3/4	398	3/4	509	3/4		3/4		3/4		3/4		3/4		3/4	
11	89	11	243	11	401	11	510	11		11		11		11		11		11	
1/4	92	1/4	246	1/4	404	1/4	511	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	95	1/2	250	1/2	407	1/2	512	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	97	3/4	253	3/4	410	3/4	512	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 TAKEN AT 2" DIAMETER STANDPIPE.

STRAPPED: 10/04/2012 CL - SW
CALCULATED: 10/05/2012 CL
NAME CHANGE: 08/15/2022 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2022

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 30037"

LARGE FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "SMS 30040"

GAUGE HEIGHT 6'-10"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	25	1/4	1,249	1/4	2,472	1/4	3,695	1/4	4,918	1/4	6,142	1/4	7,365	1/4		1/4		1/4	
1/2	51	1/2	1,274	1/2	2,497	1/2	3,721	1/2	4,944	1/2	6,167	1/2	7,390	1/2		1/2		1/2	
3/4	76	3/4	1,300	3/4	2,523	3/4	3,746	3/4	4,969	3/4	6,193	3/4	7,416	3/4		3/4		3/4	
1	102	1	1,325	1	2,548	1	3,772	1	4,995	1	6,218	1	7,441	1		1		1	
1/4	127	1/4	1,351	1/4	2,574	1/4	3,797	1/4	5,020	1/4	6,244	1/4	7,467	1/4		1/4		1/4	
1/2	153	1/2	1,376	1/2	2,599	1/2	3,823	1/2	5,046	1/2	6,269	1/2	7,492	1/2		1/2		1/2	
3/4	178	3/4	1,402	3/4	2,625	3/4	3,848	3/4	5,071	3/4	6,294	3/4	7,518	3/4		3/4		3/4	
2	204	2	1,427	2	2,650	2	3,874	2	5,097	2	6,320	2	7,543	2		2		2	
1/4	229	1/4	1,453	1/4	2,676	1/4	3,899	1/4	5,122	1/4	6,345	1/4		1/4		1/4		1/4	
1/2	255	1/2	1,478	1/2	2,701	1/2	3,925	1/2	5,148	1/2	6,371	1/2		1/2		1/2		1/2	
3/4	280	3/4	1,504	3/4	2,727	3/4	3,950	3/4	5,173	3/4	6,396	3/4		3/4		3/4		3/4	
3	306	3	1,529	3	2,752	3	3,975	3	5,199	3	6,422	3		3		3		3	
1/4	331	1/4	1,555	1/4	2,778	1/4	4,001	1/4	5,224	1/4	6,447	1/4		1/4		1/4		1/4	
1/2	357	1/2	1,580	1/2	2,803	1/2	4,026	1/2	5,250	1/2	6,473	1/2		1/2		1/2		1/2	
3/4	382	3/4	1,605	3/4	2,829	3/4	4,052	3/4	5,275	3/4	6,498	3/4		3/4		3/4		3/4	
4	408	4	1,631	4	2,854	4	4,077	4	5,301	4	6,524	4		4		4		4	
1/4	433	1/4	1,656	1/4	2,880	1/4	4,103	1/4	5,326	1/4	6,549	1/4		1/4		1/4		1/4	
1/2	459	1/2	1,682	1/2	2,905	1/2	4,128	1/2	5,352	1/2	6,575	1/2		1/2		1/2		1/2	
3/4	484	3/4	1,707	3/4	2,931	3/4	4,154	3/4	5,377	3/4	6,600	3/4		3/4		3/4		3/4	
5	510	5	1,733	5	2,956	5	4,179	5	5,403	5	6,626	5		5		5		5	
1/4	535	1/4	1,758	1/4	2,982	1/4	4,205	1/4	5,428	1/4	6,651	1/4		1/4		1/4		1/4	
1/2	561	1/2	1,784	1/2	3,007	1/2	4,230	1/2	5,454	1/2	6,677	1/2		1/2		1/2		1/2	
3/4	586	3/4	1,809	3/4	3,033	3/4	4,256	3/4	5,479	3/4	6,702	3/4		3/4		3/4		3/4	
6	612	6	1,835	6	3,058	6	4,281	6	5,505	6	6,728	6		6		6		6	
1/4	637	1/4	1,860	1/4	3,084	1/4	4,307	1/4	5,530	1/4	6,753	1/4		1/4		1/4		1/4	
1/2	663	1/2	1,886	1/2	3,109	1/2	4,332	1/2	5,555	1/2	6,779	1/2		1/2		1/2		1/2	
3/4	688	3/4	1,911	3/4	3,135	3/4	4,358	3/4	5,581	3/4	6,804	3/4		3/4		3/4		3/4	
7	714	7	1,937	7	3,160	7	4,383	7	5,606	7	6,830	7		7		7		7	
1/4	739	1/4	1,962	1/4	3,185	1/4	4,409	1/4	5,632	1/4	6,855	1/4		1/4		1/4		1/4	
1/2	765	1/2	1,988	1/2	3,211	1/2	4,434	1/2	5,657	1/2	6,881	1/2		1/2		1/2		1/2	
3/4	790	3/4	2,013	3/4	3,236	3/4	4,460	3/4	5,683	3/4	6,906	3/4		3/4		3/4		3/4	
8	815	8	2,039	8	3,262	8	4,485	8	5,708	8	6,932	8		8		8		8	
1/4	841	1/4	2,064	1/4	3,287	1/4	4,511	1/4	5,734	1/4	6,957	1/4		1/4		1/4		1/4	
1/2	866	1/2	2,090	1/2	3,313	1/2	4,536	1/2	5,759	1/2	6,983	1/2		1/2		1/2		1/2	
3/4	892	3/4	2,115	3/4	3,338	3/4	4,562	3/4	5,785	3/4	7,008	3/4		3/4		3/4		3/4	
9	917	9	2,141	9	3,364	9	4,587	9	5,810	9	7,034	9		9		9		9	
1/4	943	1/4	2,166	1/4	3,389	1/4	4,613	1/4	5,836	1/4	7,059	1/4		1/4		1/4		1/4	
1/2	968	1/2	2,192	1/2	3,415	1/2	4,638	1/2	5,861	1/2	7,084	1/2		1/2		1/2		1/2	
3/4	994	3/4	2,217	3/4	3,440	3/4	4,664	3/4	5,887	3/4	7,110	3/4		3/4		3/4		3/4	
10	1,019	10	2,243	10	3,466	10	4,689	10	5,912	10	7,135	10		10		10		10	
1/4	1,045	1/4	2,268	1/4	3,491	1/4	4,715	1/4	5,938	1/4	7,161	1/4		1/4		1/4		1/4	
1/2	1,070	1/2	2,294	1/2	3,517	1/2	4,740	1/2	5,963	1/2	7,186	1/2		1/2		1/2		1/2	
3/4	1,096	3/4	2,319	3/4	3,542	3/4	4,765	3/4	5,989	3/4	7,212	3/4		3/4		3/4		3/4	
11	1,121	11	2,345	11	3,568	11	4,791	11	6,014	11	7,237	11		11		11		11	
1/4	1,147	1/4	2,370	1/4	3,593	1/4	4,816	1/4	6,040	1/4	7,263	1/4		1/4		1/4		1/4	
1/2	1,172	1/2	2,395	1/2	3,619	1/2	4,842	1/2	6,065	1/2	7,288	1/2		1/2		1/2		1/2	
3/4	1,198	3/4	2,421	3/4	3,644	3/4	4,867	3/4	6,091	3/4	7,314	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 TAKEN AT 2" DIAMETER STANDPIPE.
PREVIOUSLY SLOP TANK.

STRAPPED: 10/04/2012 CL - SW
CALCULATED: 10/05/2012 CL
NAME CHANGE: 08/15/2022

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2022

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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