



# KIRBY 30038"

ULLAGE (MMC)  
FORMERLY "SMI 30043"

	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	- 00-0/8	00-0/8	- 00-0/8	00-0/8
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	- 00-0/8	00-0/8	- 00-0/8	00-0/8
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"

May 17, 2023

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 30038"

## 1 PORT ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30043"

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	5,495.80	0	5,082.53	0	4,668.02	0	4,253.48	0	3,838.93	0	3,424.37	0	3,009.62	0	2,594.88		
1/4	1/4			1/4	5,487.22	1/4	5,073.92	1/4	4,659.39	1/4	4,244.84	1/4	3,830.29	1/4	3,415.72	1/4	3,000.98	1/4	2,586.24		
1/2	1/2	5,867.22		1/2	5,478.65	1/2	5,065.29	1/2	4,650.75	1/2	4,236.20	1/2	3,821.66	1/2	3,407.08	1/2	2,992.34	1/2	2,577.60		
3/4	3/4	5,862.04		3/4	5,470.07	3/4	5,056.65	3/4	4,642.11	3/4	4,227.57	3/4	3,813.02	3/4	3,398.44	3/4	2,983.70	3/4	2,568.96		
1		1	5,856.85	1	5,461.50	1	5,048.02	1	4,633.48	1	4,218.93	1	3,804.38	1	3,389.80	1	2,975.06	1	2,560.32		
1/4	1/4			1/4	5,851.67	1/4	5,452.92	1/4	5,039.39	1/4	4,624.84	1/4	4,210.29	1/4	3,795.75	1/4	3,381.16	1/4	2,966.42	1/4	2,551.68
1/2	1/2	5,845.25		1/2	5,444.32	1/2	5,030.75	1/2	4,616.21	1/2	4,201.66	1/2	3,787.11	1/2	3,372.52	1/2	2,957.78	1/2	2,543.04		
3/4	3/4	5,838.83		3/4	5,435.72	3/4	5,022.12	3/4	4,607.57	3/4	4,193.02	3/4	3,778.47	3/4	3,363.88	3/4	2,949.14	3/4	2,534.40		
2		2	5,832.41	2	5,427.11	2	5,013.48	2	4,598.93	2	4,184.39	2	3,769.84	2	3,355.24	2	2,940.50	2	2,525.76		
1/4	1/4			1/4	5,825.99	1/4	5,418.51	1/4	5,004.84	1/4	4,590.30	1/4	4,175.75	1/4	3,761.20	1/4	3,346.60	1/4	2,931.86	1/4	2,517.12
1/2	1/2	5,818.34		1/2	5,409.89	1/2	4,996.21	1/2	4,581.66	1/2	4,167.11	1/2	3,752.57	1/2	3,337.96	1/2	2,923.22	1/2	2,508.48		
3/4	3/4	5,810.68		3/4	5,401.28	3/4	4,987.57	3/4	4,573.02	3/4	4,158.48	3/4	3,743.93	3/4	3,329.32	3/4	2,914.58	3/4	2,499.84		
3		3	5,803.03	3	5,392.66	3	4,978.93	3	4,564.39	3	4,149.84	3	3,735.29	3	3,320.68	3	2,905.94	3	2,491.20		
1/4	1/4			1/4	5,795.37	1/4	5,384.05	1/4	4,970.30	1/4	4,555.75	1/4	4,141.20	1/4	3,726.66	1/4	3,312.04	1/4	2,897.30	1/4	2,482.56
1/2	1/2	5,786.95		1/2	5,375.43	1/2	4,961.66	1/2	4,547.11	1/2	4,132.57	1/2	3,718.02	1/2	3,303.40	1/2	2,888.66	1/2	2,473.92		
3/4	3/4	5,778.52		3/4	5,366.82	3/4	4,953.03	3/4	4,538.48	3/4	4,123.93	3/4	3,709.38	3/4	3,294.76	3/4	2,880.02	3/4	2,465.28		
4		4	5,770.10	4	5,358.20	4	4,944.39	4	4,529.84	4	4,115.29	4	3,700.75	4	3,286.12	4	2,871.38	4	2,456.64		
1/4	1/4			1/4	5,761.67	1/4	5,349.59	1/4	4,935.75	1/4	4,521.21	1/4	4,106.66	1/4	3,692.11	1/4	3,277.48	1/4	2,862.74	1/4	2,448.00
1/2	1/2	5,753.10		1/2	5,340.97	1/2	4,927.12	1/2	4,512.57	1/2	4,098.02	1/2	3,683.47	1/2	3,268.84	1/2	2,854.10	1/2	2,439.36		
3/4	3/4	5,744.52		3/4	5,332.36	3/4	4,918.48	3/4	4,503.93	3/4	4,089.39	3/4	3,674.84	3/4	3,260.20	3/4	2,845.46	3/4	2,430.72		
5		5	5,735.94	5	5,323.74	5	4,909.84	5	4,495.30	5	4,080.75	5	3,666.20	5	3,251.56	5	2,836.82	5	2,422.08		
1/4	1/4			1/4	5,727.36	1/4	5,315.13	1/4	4,901.21	1/4	4,486.66	1/4	4,072.11	1/4	3,657.57	1/4	3,242.91	1/4	2,828.18	1/4	2,413.44
1/2	1/2	5,718.78		1/2	5,306.52	1/2	4,892.57	1/2	4,478.02	1/2	4,063.48	1/2	3,648.93	1/2	3,234.27	1/2	2,819.54	1/2	2,404.80		
3/4	3/4	5,710.20		3/4	5,297.90	3/4	4,883.93	3/4	4,469.39	3/4	4,054.84	3/4	3,640.29	3/4	3,225.63	3/4	2,810.89	3/4	2,396.16		
6		6	5,701.62	6	5,289.29	6	4,875.30	6	4,460.75	6	4,046.20	6	3,631.66	6	3,216.99	6	2,802.25	6	2,387.52		
1/4	1/4			1/4	5,693.04	1/4	5,280.67	1/4	4,866.66	1/4	4,452.11	1/4	4,037.57	1/4	3,623.02	1/4	3,208.35	1/4	2,793.61	1/4	2,378.87
1/2	1/2	5,684.46		1/2	5,272.06	1/2	4,858.02	1/2	4,443.48	1/2	4,028.93	1/2	3,614.38	1/2	3,199.71	1/2	2,784.97	1/2	2,370.23		
3/4	3/4	5,675.89		3/4	5,263.44	3/4	4,849.39	3/4	4,434.84	3/4	4,020.29	3/4	3,605.75	3/4	3,191.07	3/4	2,776.33	3/4	2,361.59		
7		7	5,667.31	7	5,254.83	7	4,840.75	7	4,426.20	7	4,011.66	7	3,597.11	7	3,182.43	7	2,767.69	7	2,352.95		
1/4	1/4			1/4	5,658.73	1/4	5,246.21	1/4	4,832.12	1/4	4,417.57	1/4	4,003.02	1/4	3,588.47	1/4	3,173.79	1/4	2,759.05	1/4	2,344.31
1/2	1/2	5,650.15		1/2	5,237.60	1/2	4,823.48	1/2	4,408.93	1/2	3,994.38	1/2	3,579.84	1/2	3,165.15	1/2	2,750.41	1/2	2,335.67		
3/4	3/4	5,641.58		3/4	5,228.98	3/4	4,814.84	3/4	4,400.30	3/4	3,985.75	3/4	3,571.20	3/4	3,156.51	3/4	2,741.77	3/4	2,327.03		
8		8	5,633.00	8	5,220.37	8	4,806.21	8	4,391.66	8	3,977.11	8	3,562.56	8	3,147.87	8	2,733.13	8	2,318.39		
1/4	1/4			1/4	5,624.42	1/4	5,211.75	1/4	4,797.57	1/4	4,383.02	1/4	3,968.48	1/4	3,553.93	1/4	3,139.23	1/4	2,724.49	1/4	2,309.75
1/2	1/2	5,615.85		1/2	5,203.14	1/2	4,788.93	1/2	4,374.39	1/2	3,959.84	1/2	3,545.29	1/2	3,130.59	1/2	2,715.85	1/2	2,301.11		
3/4	3/4	5,607.27		3/4	5,194.52	3/4	4,780.30	3/4	4,365.75	3/4	3,951.20	3/4	3,536.66	3/4	3,121.95	3/4	2,707.21	3/4	2,292.47		
9		9	5,598.70	9	5,185.91	9	4,771.66	9	4,357.11	9	3,942.57	9	3,528.02	9	3,113.31	9	2,698.57	9	2,283.83		
1/4	1/4			1/4	5,590.12	1/4	5,177.29	1/4	4,763.02	1/4	4,348.48	1/4	3,933.93	1/4	3,519.38	1/4	3,104.67	1/4	2,689.93	1/4	2,275.19
1/2	1/2	5,581.55		1/2	5,168.68	1/2	4,754.39	1/2	4,339.84	1/2	3,925.29	1/2	3,510.75	1/2	3,096.03	1/2	2,681.29	1/2	2,266.55		
3/4	3/4	5,572.97		3/4	5,160.07	3/4	4,745.75	3/4	4,331.20	3/4	3,916.66	3/4	3,502.11	3/4	3,087.39	3/4	2,672.65	3/4	2,257.91		
10		10	5,564.40	10	5,151.45	10	4,737.12	10	4,322.57	10	3,908.02	10	3,493.47	10	3,078.75	10	2,664.01	10	2,249.27		
1/4	1/4			1/4	5,555.82	1/4	5,142.84	1/4	4,728.48	1/4	4,313.93	1/4	3,899.38	1/4	3,484.84	1/4	3,070.11	1/4	2,655.37	1/4	2,240.63
1/2	1/2	5,547.25		1/2	5,134.22	1/2	4,719.84	1/2	4,305.30	1/2	3,890.75	1/2	3,476.20	1/2	3,061.47	1/2	2,646.73	1/2	2,231.99		
3/4	3/4	5,538.67		3/4	5,125.61	3/4	4,711.21	3/4	4,296.66	3/4	3,882.11	3/4	3,467.56	3/4	3,052.83	3/4	2,638.09	3/4	2,223.35		
11		11	5,530.10	11	5,116.99	11	4,702.57	11	4,288.02	11	3,873.48	11	3,458.93	11	3,044.19	11	2,629.45	11	2,214.71		
1/4	1/4			1/4	5,521.52	1/4	5,108.38	1/4	4,693.93	1/4	4,279.39	1/4	3,864.84	1/4	3,450.29	1/4	3,035.55	1/4	2,620.81	1/4	2,206.07
1/2	1/2	5,512.95		1/2	5,099.76	1/2	4,685.30	1/2	4,270.75	1/2	3,856.20	1/2	3,441.65	1/2	3,026.90	1/2	2,612.17	1/2	2,197.43		
3/4	3/4	5,504.37		3/4	5,091.15	3/4	4,676.66	3/4	4,262.11	3/4	3,847.57	3/4	3,433.01	3/4	3,018.26	3/4	2,603.53	3/4	2,188.79		

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  
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# BARGE "KIRBY 30038"

## 1 PORT ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30043"

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	2,180.15	0	1,765.41	0	1,350.73	0	938.13	0	529.94	0	120.81	0		0		0		0	
1/4	2,171.51	1/4	1,756.77	1/4	1,342.11	1/4	929.50	1/4	521.30	1/4	112.41	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,162.86	1/2	1,748.13	1/2	1,333.50	1/2	920.86	1/2	512.66	1/2	103.91	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,154.22	3/4	1,739.49	3/4	1,324.89	3/4	912.22	3/4	504.02	3/4	95.42	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,145.58	1	1,730.84	1	1,316.28	1	903.58	1	495.38	1	86.92	1	1	1	1	1	1	1	1
1/4	2,136.94	1/4	1,722.20	1/4	1,307.67	1/4	894.94	1/4	486.74	1/4	78.43	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,128.30	1/2	1,713.56	1/2	1,299.07	1/2	886.30	1/2	478.10	1/2	70.63	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,119.66	3/4	1,704.92	3/4	1,290.47	3/4	877.66	3/4	469.46	3/4	62.83	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2,111.02	2	1,696.28	2	1,281.87	2	869.02	2	460.82	2	55.02	2	2	2	2	2	2	2	2
1/4	2,102.38	1/4	1,687.64	1/4	1,273.27	1/4	860.38	1/4	452.18	1/4	47.22	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,093.74	1/2	1,679.00	1/2	1,264.67	1/2	851.74	1/2	443.54	1/2	41.28	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,085.10	3/4	1,670.36	3/4	1,256.08	3/4	843.10	3/4	434.90	3/4	35.34	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	2,076.46	3	1,661.72	3	1,247.48	3	834.46	3	426.26	3	29.40	3	3	3	3	3	3	3	3
1/4	2,067.82	1/4	1,653.08	1/4	1,238.88	1/4	825.82	1/4	417.62	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,059.18	1/2	1,644.44	1/2	1,230.29	1/2	817.35	1/2	408.98	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,050.54	3/4	1,635.80	3/4	1,221.70	3/4	808.89	3/4	400.34	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	2,041.90	4	1,627.16	4	1,213.11	4	800.42	4	391.70	4	4	4	4	4	4	4	4	4	4
1/4	2,033.26	1/4	1,618.52	1/4	1,204.52	1/4	791.96	1/4	383.06	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,024.62	1/2	1,609.88	1/2	1,195.93	1/2	783.55	1/2	374.42	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,015.98	3/4	1,601.24	3/4	1,187.34	3/4	775.14	3/4	365.78	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	2,007.34	5	1,592.60	5	1,178.75	5	766.74	5	357.14	5	5	5	5	5	5	5	5	5	5
1/4	1,998.70	1/4	1,583.96	1/4	1,170.16	1/4	758.33	1/4	348.50	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,990.06	1/2	1,575.32	1/2	1,161.57	1/2	749.92	1/2	339.95	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,981.42	3/4	1,566.68	3/4	1,152.98	3/4	741.52	3/4	331.39	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,972.78	6	1,558.04	6	1,144.39	6	733.11	6	322.84	6	6	6	6	6	6	6	6	6	6
1/4	1,964.14	1/4	1,549.40	1/4	1,135.80	1/4	724.70	1/4	314.29	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,955.50	1/2	1,540.76	1/2	1,127.21	1/2	716.30	1/2	305.85	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,946.85	3/4	1,532.12	3/4	1,118.62	3/4	707.89	3/4	297.42	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,938.21	7	1,523.48	7	1,110.03	7	699.48	7	288.98	7	7	7	7	7	7	7	7	7	7
1/4	1,929.57	1/4	1,514.83	1/4	1,101.44	1/4	691.07	1/4	280.55	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,920.93	1/2	1,506.19	1/2	1,092.85	1/2	682.67	1/2	272.14	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,912.29	3/4	1,497.55	3/4	1,084.27	3/4	674.26	3/4	263.73	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,903.65	8	1,488.91	8	1,075.68	8	665.85	8	255.32	8	8	8	8	8	8	8	8	8	8
1/4	1,895.01	1/4	1,480.27	1/4	1,067.09	1/4	657.45	1/4	246.92	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,886.37	1/2	1,471.63	1/2	1,058.50	1/2	649.04	1/2	238.51	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,877.73	3/4	1,462.99	3/4	1,049.91	3/4	640.63	3/4	230.10	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,869.09	9	1,454.35	9	1,041.32	9	632.23	9	221.70	9	9	9	9	9	9	9	9	9	9
1/4	1,860.45	1/4	1,445.71	1/4	1,032.73	1/4	623.82	1/4	213.29	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,851.81	1/2	1,437.07	1/2	1,024.14	1/2	615.41	1/2	204.88	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,843.17	3/4	1,428.43	3/4	1,015.55	3/4	607.01	3/4	196.48	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,834.53	10	1,419.79	10	1,006.96	10	598.60	10	188.07	10	10	10	10	10	10	10	10	10	10
1/4	1,825.89	1/4	1,411.15	1/4	998.37	1/4	590.19	1/4	179.66	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,817.25	1/2	1,402.51	1/2	989.78	1/2	581.61	1/2	171.25	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,808.61	3/4	1,393.87	3/4	981.19	3/4	573.03	3/4	162.85	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,799.97	11	1,385.23	11	972.60	11	564.45	11	154.44	11	11	11	11	11	11	11	11	11	11
1/4	1,791.33	1/4	1,376.59	1/4	964.01	1/4	555.86	1/4	146.03	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,782.69	1/2	1,367.97	1/2	955.38	1/2	547.22	1/2	137.63	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,774.05	3/4	1,359.35	3/4	946.76	3/4	538.58	3/4	129.22	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: 11/06/2012 CL - SW  
CALCULATED: 11/08/2012 CL  
NAME CHANGE: 05/17/2023 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2023

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



# BARGE "KIRBY 30038"

## 1 STBD ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30043"

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.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0	5,490.53	0	5,077.10	0	4,662.45	0	4,247.78	0	3,833.11	0	3,418.42	0	3,003.55	0	2,588.69
1/4	1/4	5,870.64	1/4	5,481.95	1/4	5,068.47	1/4	4,653.81	1/4	4,239.14	1/4	3,824.47	1/4	3,409.77	1/4	2,994.91	1/4	2,580.05	1/4
1/2	1/2	5,865.45	1/2	5,473.38	1/2	5,059.83	1/2	4,645.17	1/2	4,230.50	1/2	3,815.83	1/2	3,401.13	1/2	2,986.27	1/2	2,571.40	1/2
3/4	3/4	5,860.27	3/4	5,464.80	3/4	5,051.20	3/4	4,636.53	3/4	4,221.86	3/4	3,807.19	3/4	3,392.49	3/4	2,977.62	3/4	2,562.76	3/4
1		1	5,855.08	1	5,456.22	1	5,042.57	1	4,627.89	1	4,213.22	1	3,798.55	1	3,383.84	1	2,968.98	1	2,554.12
1/4	1/4	5,848.66	1/4	5,447.61	1/4	5,033.93	1/4	4,619.26	1/4	4,204.58	1/4	3,789.91	1/4	3,375.20	1/4	2,960.34	1/4	2,545.47	1/4
1/2	1/2	5,842.24	1/2	5,439.01	1/2	5,025.29	1/2	4,610.62	1/2	4,195.94	1/2	3,781.27	1/2	3,366.56	1/2	2,951.69	1/2	2,536.83	1/2
3/4	3/4	5,835.82	3/4	5,430.40	3/4	5,016.65	3/4	4,601.98	3/4	4,187.31	3/4	3,772.63	3/4	3,357.92	3/4	2,943.05	3/4	2,528.19	3/4
2		2	5,829.40	2	5,421.79	2	5,008.01	2	4,593.34	2	4,178.67	2	3,763.99	2	3,349.27	2	2,934.41	2	2,519.54
1/4	1/4	5,821.74	1/4	5,413.18	1/4	4,999.37	1/4	4,584.70	1/4	4,170.03	1/4	3,755.36	1/4	3,340.63	1/4	2,925.77	1/4	2,510.90	1/4
1/2	1/2	5,814.09	1/2	5,404.56	1/2	4,990.73	1/2	4,576.06	1/2	4,161.39	1/2	3,746.72	1/2	3,331.99	1/2	2,917.12	1/2	2,502.26	1/2
3/4	3/4	5,806.43	3/4	5,395.94	3/4	4,982.09	3/4	4,567.42	3/4	4,152.75	3/4	3,738.08	3/4	3,323.34	3/4	2,908.48	3/4	2,493.62	3/4
3		3	5,798.77	3	5,387.32	3	4,973.45	3	4,558.78	3	4,144.11	3	3,729.44	3	3,314.70	3	2,899.84	3	2,484.97
1/4	1/4	5,790.35	1/4	5,378.71	1/4	4,964.82	1/4	4,550.14	1/4	4,135.47	1/4	3,720.80	1/4	3,306.06	1/4	2,891.19	1/4	2,476.33	1/4
1/2	1/2	5,781.92	1/2	5,370.09	1/2	4,956.18	1/2	4,541.50	1/2	4,126.83	1/2	3,712.16	1/2	3,297.41	1/2	2,882.55	1/2	2,467.69	1/2
3/4	3/4	5,773.49	3/4	5,361.47	3/4	4,947.54	3/4	4,532.87	3/4	4,118.19	3/4	3,703.52	3/4	3,288.77	3/4	2,873.91	3/4	2,459.04	3/4
4		4	5,765.06	4	5,352.85	4	4,938.90	4	4,524.23	4	4,109.55	4	3,694.88	4	3,280.13	4	2,865.26	4	2,450.40
1/4	1/4	5,756.48	1/4	5,344.24	1/4	4,930.26	1/4	4,515.59	1/4	4,100.92	1/4	3,686.24	1/4	3,271.49	1/4	2,856.62	1/4	2,441.76	1/4
1/2	1/2	5,747.90	1/2	5,335.62	1/2	4,921.62	1/2	4,506.95	1/2	4,092.28	1/2	3,677.60	1/2	3,262.84	1/2	2,847.98	1/2	2,433.11	1/2
3/4	3/4	5,739.32	3/4	5,327.00	3/4	4,912.98	3/4	4,498.31	3/4	4,083.64	3/4	3,668.97	3/4	3,254.20	3/4	2,839.34	3/4	2,424.47	3/4
5		5	5,730.74	5	5,318.39	5	4,904.34	5	4,489.67	5	4,075.00	5	3,660.33	5	3,245.56	5	2,830.69	5	2,415.83
1/4	1/4	5,722.16	1/4	5,309.77	1/4	4,895.70	1/4	4,481.03	1/4	4,066.36	1/4	3,651.69	1/4	3,236.91	1/4	2,822.05	1/4	2,407.19	1/4
1/2	1/2	5,713.58	1/2	5,301.15	1/2	4,887.06	1/2	4,472.39	1/2	4,057.72	1/2	3,643.05	1/2	3,228.27	1/2	2,813.41	1/2	2,398.54	1/2
3/4	3/4	5,704.99	3/4	5,292.53	3/4	4,878.43	3/4	4,463.75	3/4	4,049.08	3/4	3,634.41	3/4	3,219.63	3/4	2,804.76	3/4	2,389.90	3/4
6		6	5,696.41	6	5,283.92	6	4,869.79	6	4,455.11	6	4,040.44	6	3,625.77	6	3,210.98	6	2,796.12	6	2,381.26
1/4	1/4	5,687.83	1/4	5,275.30	1/4	4,861.15	1/4	4,446.48	1/4	4,031.80	1/4	3,617.13	1/4	3,202.34	1/4	2,787.48	1/4	2,372.61	1/4
1/2	1/2	5,679.25	1/2	5,266.68	1/2	4,852.51	1/2	4,437.84	1/2	4,023.16	1/2	3,608.49	1/2	3,193.70	1/2	2,778.83	1/2	2,363.97	1/2
3/4	3/4	5,670.67	3/4	5,258.06	3/4	4,843.87	3/4	4,429.20	3/4	4,014.53	3/4	3,599.85	3/4	3,185.06	3/4	2,770.19	3/4	2,355.33	3/4
7		7	5,662.09	7	5,249.45	7	4,835.23	7	4,420.56	7	4,005.89	7	3,591.21	7	3,176.41	7	2,761.55	7	2,346.68
1/4	1/4	5,653.51	1/4	5,240.83	1/4	4,826.59	1/4	4,411.92	1/4	3,997.25	1/4	3,582.58	1/4	3,167.77	1/4	2,752.91	1/4	2,338.04	1/4
1/2	1/2	5,644.93	1/2	5,232.21	1/2	4,817.95	1/2	4,403.28	1/2	3,988.61	1/2	3,573.94	1/2	3,159.13	1/2	2,744.26	1/2	2,329.40	1/2
3/4	3/4	5,636.35	3/4	5,223.59	3/4	4,809.31	3/4	4,394.64	3/4	3,979.97	3/4	3,565.30	3/4	3,150.48	3/4	2,735.62	3/4	2,320.76	3/4
8		8	5,627.77	8	5,214.98	8	4,800.67	8	4,386.00	8	3,971.33	8	3,556.66	8	3,141.84	8	2,726.98	8	2,312.11
1/4	1/4	5,619.19	1/4	5,206.36	1/4	4,792.04	1/4	4,377.36	1/4	3,962.69	1/4	3,548.02	1/4	3,133.20	1/4	2,718.33	1/4	2,303.47	1/4
1/2	1/2	5,610.62	1/2	5,197.74	1/2	4,783.40	1/2	4,368.72	1/2	3,954.05	1/2	3,539.38	1/2	3,124.55	1/2	2,709.69	1/2	2,294.83	1/2
3/4	3/4	5,602.04	3/4	5,189.13	3/4	4,774.76	3/4	4,360.09	3/4	3,945.41	3/4	3,530.74	3/4	3,115.91	3/4	2,701.05	3/4	2,286.18	3/4
9		9	5,593.46	9	5,180.51	9	4,766.12	9	4,351.45	9	3,936.77	9	3,522.10	9	3,107.27	9	2,692.40	9	2,277.54
1/4	1/4	5,584.88	1/4	5,171.89	1/4	4,757.48	1/4	4,342.81	1/4	3,928.14	1/4	3,513.46	1/4	3,098.63	1/4	2,683.76	1/4	2,268.90	1/4
1/2	1/2	5,576.31	1/2	5,163.27	1/2	4,748.84	1/2	4,334.17	1/2	3,919.50	1/2	3,504.82	1/2	3,089.98	1/2	2,675.12	1/2	2,260.25	1/2
3/4	3/4	5,567.73	3/4	5,154.66	3/4	4,740.20	3/4	4,325.53	3/4	3,910.86	3/4	3,496.19	3/4	3,081.34	3/4	2,666.48	3/4	2,251.61	3/4
10		10	5,559.15	10	5,146.04	10	4,731.56	10	4,316.89	10	3,902.22	10	3,487.55	10	3,072.70	10	2,657.83	10	2,242.97
1/4	1/4	5,550.57	1/4	5,137.42	1/4	4,722.92	1/4	4,308.25	1/4	3,893.58	1/4	3,478.91	1/4	3,064.05	1/4	2,649.19	1/4	2,234.33	1/4
1/2	1/2	5,542.00	1/2	5,128.80	1/2	4,714.28	1/2	4,299.61	1/2	3,884.94	1/2	3,470.27	1/2	3,055.41	1/2	2,640.55	1/2	2,225.68	1/2
3/4	3/4	5,533.42	3/4	5,120.19	3/4	4,705.65	3/4	4,290.97	3/4	3,876.30	3/4	3,461.63	3/4	3,046.77	3/4	2,631.90	3/4	2,217.04	3/4
11		11	5,524.84	11	5,111.57	11	4,697.01	11	4,282.33	11	3,867.66	11	3,452.99	11	3,038.12	11	2,623.26	11	2,208.40
1/4	1/4	5,516.26	1/4	5,102.95	1/4	4,688.37	1/4	4,273.70	1/4	3,859.02	1/4	3,444.35	1/4	3,029.48	1/4	2,614.62	1/4	2,199.75	1/4
1/2	1/2	5,507.69	1/2	5,094.34	1/2	4,679.73	1/2	4,265.06	1/2	3,850.38	1/2	3,435.70	1/2	3,020.84	1/2	2,605.97	1/2	2,191.11	1/2
3/4	3/4	5,499.11	3/4	5,085.72	3/4	4,671.09	3/4	4,256.42	3/4	3,841.75	3/4	3,427.06	3/4	3,012.20	3/4	2,597.33	3/4	2,182.47	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 49'-09" FORWARD OF AFT BULKHEAD.

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

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



# BARGE "KIRBY 30038"

## 1 STBD ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30043"

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	2,173.82	0	1,758.96	0	1,344.10	0	929.73	0	521.46	0	112.44	0		0		0		0	
1/4	2,165.18	1/4	1,750.32	1/4	1,335.45	1/4	921.09	1/4	512.82	1/4	103.94	1/4		1/4		1/4		1/4	
1/2	2,156.54	1/2	1,741.67	1/2	1,326.81	1/2	912.44	1/2	504.18	1/2	95.44	1/2		1/2		1/2		1/2	
3/4	2,147.90	3/4	1,733.03	3/4	1,318.17	3/4	903.80	3/4	495.53	3/4	86.94	3/4		3/4		3/4		3/4	
1	2,139.25	1	1,724.39	1	1,309.52	1	895.16	1	486.89	1	78.45	1		1		1		1	
1/4	2,130.61	1/4	1,715.75	1/4	1,300.89	1/4	886.51	1/4	478.25	1/4	70.64	1/4		1/4		1/4		1/4	
1/2	2,121.97	1/2	1,707.10	1/2	1,292.25	1/2	877.87	1/2	469.61	1/2	62.84	1/2		1/2		1/2		1/2	
3/4	2,113.32	3/4	1,698.46	3/4	1,283.61	3/4	869.23	3/4	460.96	3/4	55.04	3/4		3/4		3/4		3/4	
2	2,104.68	2	1,689.82	2	1,274.97	2	860.59	2	452.32	2	47.23	2		2		2		2	
1/4	2,096.04	1/4	1,681.17	1/4	1,266.34	1/4	851.94	1/4	443.68	1/4	41.29	1/4		1/4		1/4		1/4	
1/2	2,087.39	1/2	1,672.53	1/2	1,257.70	1/2	843.30	1/2	435.03	1/2	35.35	1/2		1/2		1/2		1/2	
3/4	2,078.75	3/4	1,663.89	3/4	1,249.06	3/4	834.66	3/4	426.39	3/4	29.41	3/4		3/4		3/4		3/4	
3	2,070.11	3	1,655.24	3	1,240.43	3	826.02	3	417.75	3		3		3		3		3	
1/4	2,061.47	1/4	1,646.60	1/4	1,231.80	1/4	817.55	1/4	409.11	1/4		1/4		1/4		1/4		1/4	
1/2	2,052.82	1/2	1,637.96	1/2	1,223.16	1/2	809.08	1/2	400.46	1/2		1/2		1/2		1/2		1/2	
3/4	2,044.18	3/4	1,629.32	3/4	1,214.53	3/4	800.61	3/4	391.82	3/4		3/4		3/4		3/4		3/4	
4	2,035.54	4	1,620.67	4	1,205.90	4	792.14	4	383.18	4		4		4		4		4	
1/4	2,026.89	1/4	1,612.03	1/4	1,197.27	1/4	783.73	1/4	374.53	1/4		1/4		1/4		1/4		1/4	
1/2	2,018.25	1/2	1,603.39	1/2	1,188.64	1/2	775.32	1/2	365.89	1/2		1/2		1/2		1/2		1/2	
3/4	2,009.61	3/4	1,594.74	3/4	1,180.01	3/4	766.92	3/4	357.25	3/4		3/4		3/4		3/4		3/4	
5	2,000.96	5	1,586.10	5	1,171.38	5	758.51	5	348.61	5		5		5		5		5	
1/4	1,992.32	1/4	1,577.46	1/4	1,162.76	1/4	750.10	1/4	340.05	1/4		1/4		1/4		1/4		1/4	
1/2	1,983.68	1/2	1,568.81	1/2	1,154.13	1/2	741.69	1/2	331.49	1/2		1/2		1/2		1/2		1/2	
3/4	1,975.04	3/4	1,560.17	3/4	1,145.50	3/4	733.28	3/4	322.94	3/4		3/4		3/4		3/4		3/4	
6	1,966.39	6	1,551.53	6	1,136.87	6	724.87	6	314.38	6		6		6		6		6	
1/4	1,957.75	1/4	1,542.89	1/4	1,128.24	1/4	716.46	1/4	305.95	1/4		1/4		1/4		1/4		1/4	
1/2	1,949.11	1/2	1,534.24	1/2	1,119.61	1/2	708.06	1/2	297.51	1/2		1/2		1/2		1/2		1/2	
3/4	1,940.46	3/4	1,525.60	3/4	1,110.98	3/4	699.66	3/4	289.07	3/4		3/4		3/4		3/4		3/4	
7	1,931.82	7	1,516.96	7	1,102.35	7	691.25	7	280.63	7		7		7		7		7	
1/4	1,923.18	1/4	1,508.31	1/4	1,093.72	1/4	682.85	1/4	272.22	1/4		1/4		1/4		1/4		1/4	
1/2	1,914.53	1/2	1,499.67	1/2	1,085.09	1/2	674.45	1/2	263.81	1/2		1/2		1/2		1/2		1/2	
3/4	1,905.89	3/4	1,491.03	3/4	1,076.46	3/4	666.05	3/4	255.40	3/4		3/4		3/4		3/4		3/4	
8	1,897.25	8	1,482.38	8	1,067.84	8	657.64	8	246.99	8		8		8		8		8	
1/4	1,888.61	1/4	1,473.74	1/4	1,059.21	1/4	649.24	1/4	238.58	1/4		1/4		1/4		1/4		1/4	
1/2	1,879.96	1/2	1,465.10	1/2	1,050.58	1/2	640.83	1/2	230.17	1/2		1/2		1/2		1/2		1/2	
3/4	1,871.32	3/4	1,456.46	3/4	1,041.95	3/4	632.42	3/4	221.76	3/4		3/4		3/4		3/4		3/4	
9	1,862.68	9	1,447.81	9	1,033.32	9	624.01	9	213.35	9		9		9		9		9	
1/4	1,854.03	1/4	1,439.17	1/4	1,024.69	1/4	615.60	1/4	204.94	1/4		1/4		1/4		1/4		1/4	
1/2	1,845.39	1/2	1,430.53	1/2	1,016.06	1/2	607.19	1/2	196.53	1/2		1/2		1/2		1/2		1/2	
3/4	1,836.75	3/4	1,421.88	3/4	1,007.43	3/4	598.78	3/4	188.12	3/4		3/4		3/4		3/4		3/4	
10	1,828.10	10	1,413.24	10	998.80	10	590.37	10	179.71	10		10		10		10		10	
1/4	1,819.46	1/4	1,404.60	1/4	990.17	1/4	581.79	1/4	171.30	1/4		1/4		1/4		1/4		1/4	
1/2	1,810.82	1/2	1,395.95	1/2	981.54	1/2	573.20	1/2	162.89	1/2		1/2		1/2		1/2		1/2	
3/4	1,802.18	3/4	1,387.31	3/4	972.92	3/4	564.62	3/4	154.48	3/4		3/4		3/4		3/4		3/4	
11	1,793.53	11	1,378.67	11	964.29	11	556.04	11	146.07	11		11		11		11		11	
1/4	1,784.89	1/4	1,370.03	1/4	955.65	1/4	547.39	1/4	137.66	1/4		1/4		1/4		1/4		1/4	
1/2	1,776.25	1/2	1,361.38	1/2	947.01	1/2	538.75	1/2	129.25	1/2		1/2		1/2		1/2		1/2	
3/4	1,767.60	3/4	1,352.74	3/4	938.37	3/4	530.11	3/4	120.85	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/06/2012 CL - SW  
CALCULATED: 11/08/2012 CL  
NAME CHANGE: 05/17/2023 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2023

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



# BARGE "KIRBY 30038"

## 2 PORT ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30043"

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.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0	4,741.63	0	4,383.72	0	4,024.59	0	3,665.44	0	3,306.29	0	2,947.13	0	2,587.78	0	2,228.44
1/4	1/4	5,070.48	1/4	4,734.21	1/4	4,376.25	1/4	4,017.11	1/4	3,657.96	1/4	3,298.81	1/4	2,939.64	1/4	2,580.30	1/4	2,220.95	
1/2	1/2	5,066.00	1/2	4,726.79	1/2	4,368.77	1/2	4,009.63	1/2	3,650.48	1/2	3,291.33	1/2	2,932.15	1/2	2,572.81	1/2	2,213.47	
3/4	3/4	5,061.51	3/4	4,719.37	3/4	4,361.29	3/4	4,002.15	3/4	3,643.00	3/4	3,283.85	3/4	2,924.67	3/4	2,565.32	3/4	2,205.98	
1		5,057.03	1	4,711.95	1	4,353.82	1	3,994.67	1	3,635.51	1	3,276.36	1	2,917.18	1	2,557.84	1	2,198.50	
1/4	1/4	5,051.48	1/4	4,704.50	1/4	4,346.33	1/4	3,987.18	1/4	3,628.03	1/4	3,268.88	1/4	2,909.69	1/4	2,550.35	1/4	2,191.01	
1/2	1/2	5,045.92	1/2	4,697.05	1/2	4,338.85	1/2	3,979.70	1/2	3,620.55	1/2	3,261.40	1/2	2,902.21	1/2	2,542.87	1/2	2,183.52	
3/4	3/4	5,040.37	3/4	4,689.60	3/4	4,331.37	3/4	3,972.22	3/4	3,613.07	3/4	3,253.92	3/4	2,894.72	3/4	2,535.38	3/4	2,176.04	
2		5,034.82	2	4,682.15	2	4,323.89	2	3,964.74	2	3,605.59	2	3,246.43	2	2,887.23	2	2,527.89	2	2,168.55	
1/4	1/4	5,028.19	1/4	4,674.69	1/4	4,316.40	1/4	3,957.25	1/4	3,598.10	1/4	3,238.95	1/4	2,879.75	1/4	2,520.41	1/4	2,161.06	
1/2	1/2	5,021.57	1/2	4,667.23	1/2	4,308.92	1/2	3,949.77	1/2	3,590.62	1/2	3,231.47	1/2	2,872.26	1/2	2,512.92	1/2	2,153.58	
3/4	3/4	5,014.94	3/4	4,659.77	3/4	4,301.44	3/4	3,942.29	3/4	3,583.14	3/4	3,223.99	3/4	2,864.78	3/4	2,505.43	3/4	2,146.09	
3		5,008.32	3	4,652.31	3	4,293.96	3	3,934.81	3	3,575.66	3	3,216.51	3	2,857.29	3	2,497.95	3	2,138.60	
1/4	1/4	5,001.03	1/4	4,644.84	1/4	4,286.47	1/4	3,927.32	1/4	3,568.17	1/4	3,209.02	1/4	2,849.80	1/4	2,490.46	1/4	2,131.12	
1/2	1/2	4,993.73	1/2	4,637.38	1/2	4,278.99	1/2	3,919.84	1/2	3,560.69	1/2	3,201.54	1/2	2,842.32	1/2	2,482.97	1/2	2,123.63	
3/4	3/4	4,986.44	3/4	4,629.92	3/4	4,271.51	3/4	3,912.36	3/4	3,553.21	3/4	3,194.06	3/4	2,834.83	3/4	2,475.49	3/4	2,116.15	
4		4,979.15	4	4,622.46	4	4,264.03	4	3,904.88	4	3,545.73	4	3,186.58	4	2,827.34	4	2,468.00	4	2,108.66	
1/4	1/4	4,971.73	1/4	4,615.00	1/4	4,256.55	1/4	3,897.40	1/4	3,538.24	1/4	3,179.09	1/4	2,819.86	1/4	2,460.52	1/4	2,101.17	
1/2	1/2	4,964.30	1/2	4,607.54	1/2	4,249.06	1/2	3,889.91	1/2	3,530.76	1/2	3,171.61	1/2	2,812.37	1/2	2,453.03	1/2	2,093.69	
3/4	3/4	4,956.88	3/4	4,600.08	3/4	4,241.58	3/4	3,882.43	3/4	3,523.28	3/4	3,164.13	3/4	2,804.89	3/4	2,445.54	3/4	2,086.20	
5		4,949.45	5	4,592.62	5	4,234.10	5	3,874.95	5	3,515.80	5	3,156.65	5	2,797.40	5	2,438.06	5	2,078.71	
1/4	1/4	4,942.03	1/4	4,585.16	1/4	4,226.62	1/4	3,867.47	1/4	3,508.32	1/4	3,149.17	1/4	2,789.91	1/4	2,430.57	1/4	2,071.23	
1/2	1/2	4,934.60	1/2	4,577.70	1/2	4,219.13	1/2	3,859.98	1/2	3,500.83	1/2	3,141.68	1/2	2,782.43	1/2	2,423.08	1/2	2,063.74	
3/4	3/4	4,927.18	3/4	4,570.24	3/4	4,211.65	3/4	3,852.50	3/4	3,493.35	3/4	3,134.20	3/4	2,774.94	3/4	2,415.60	3/4	2,056.26	
6		4,919.75	6	4,562.78	6	4,204.17	6	3,845.02	6	3,485.87	6	3,126.72	6	2,767.45	6	2,408.11	6	2,048.77	
1/4	1/4	4,912.33	1/4	4,555.32	1/4	4,196.69	1/4	3,837.54	1/4	3,478.39	1/4	3,119.24	1/4	2,759.97	1/4	2,400.63	1/4	2,041.28	
1/2	1/2	4,904.90	1/2	4,547.86	1/2	4,189.20	1/2	3,830.05	1/2	3,470.90	1/2	3,111.75	1/2	2,752.48	1/2	2,393.14	1/2	2,033.80	
3/4	3/4	4,897.48	3/4	4,540.40	3/4	4,181.72	3/4	3,822.57	3/4	3,463.42	3/4	3,104.27	3/4	2,745.00	3/4	2,385.65	3/4	2,026.31	
7		4,890.05	7	4,532.94	7	4,174.24	7	3,815.09	7	3,455.94	7	3,096.79	7	2,737.51	7	2,378.17	7	2,018.82	
1/4	1/4	4,882.63	1/4	4,525.47	1/4	4,166.76	1/4	3,807.61	1/4	3,448.46	1/4	3,089.31	1/4	2,730.02	1/4	2,370.68	1/4	2,011.34	
1/2	1/2	4,875.21	1/2	4,518.01	1/2	4,159.28	1/2	3,800.13	1/2	3,440.97	1/2	3,081.82	1/2	2,722.54	1/2	2,363.19	1/2	2,003.85	
3/4	3/4	4,867.79	3/4	4,510.55	3/4	4,151.79	3/4	3,792.64	3/4	3,433.49	3/4	3,074.34	3/4	2,715.05	3/4	2,355.71	3/4	1,996.37	
8		4,860.37	8	4,503.09	8	4,144.31	8	3,785.16	8	3,426.01	8	3,066.86	8	2,707.56	8	2,348.22	8	1,988.88	
1/4	1/4	4,852.94	1/4	4,495.63	1/4	4,136.83	1/4	3,777.68	1/4	3,418.53	1/4	3,059.38	1/4	2,700.08	1/4	2,340.74	1/4	1,981.39	
1/2	1/2	4,845.52	1/2	4,488.17	1/2	4,129.35	1/2	3,770.20	1/2	3,411.05	1/2	3,051.90	1/2	2,692.59	1/2	2,333.25	1/2	1,973.91	
3/4	3/4	4,838.10	3/4	4,480.71	3/4	4,121.86	3/4	3,762.71	3/4	3,403.56	3/4	3,044.41	3/4	2,685.10	3/4	2,325.76	3/4	1,966.42	
9		4,830.68	9	4,473.25	9	4,114.38	9	3,755.23	9	3,396.08	9	3,036.93	9	2,677.62	9	2,318.28	9	1,958.93	
1/4	1/4	4,823.26	1/4	4,465.79	1/4	4,106.90	1/4	3,747.75	1/4	3,388.60	1/4	3,029.45	1/4	2,670.13	1/4	2,310.79	1/4	1,951.45	
1/2	1/2	4,815.84	1/2	4,458.33	1/2	4,099.42	1/2	3,740.27	1/2	3,381.12	1/2	3,021.97	1/2	2,662.65	1/2	2,303.30	1/2	1,943.96	
3/4	3/4	4,808.42	3/4	4,450.87	3/4	4,091.93	3/4	3,732.78	3/4	3,373.63	3/4	3,014.48	3/4	2,655.16	3/4	2,295.82	3/4	1,936.47	
10		4,801.00	10	4,443.41	10	4,084.45	10	3,725.30	10	3,366.15	10	3,007.00	10	2,647.67	10	2,288.33	10	1,928.99	
1/4	1/4	4,793.58	1/4	4,435.95	1/4	4,076.97	1/4	3,717.82	1/4	3,358.67	1/4	2,999.52	1/4	2,640.19	1/4	2,280.84	1/4	1,921.50	
1/2	1/2	4,786.16	1/2	4,428.49	1/2	4,069.49	1/2	3,710.34	1/2	3,351.19	1/2	2,992.04	1/2	2,632.70	1/2	2,273.36	1/2	1,914.02	
3/4	3/4	4,778.74	3/4	4,421.03	3/4	4,062.01	3/4	3,702.86	3/4	3,343.70	3/4	2,984.55	3/4	2,625.21	3/4	2,265.87	3/4	1,906.53	
11		4,771.32	11	4,413.57	11	4,054.52	11	3,695.37	11	3,336.22	11	2,977.07	11	2,617.73	11	2,258.39	11	1,899.04	
1/4	1/4	4,763.89	1/4	4,406.11	1/4	4,047.04	1/4	3,687.89	1/4	3,328.74	1/4	2,969.59	1/4	2,610.24	1/4	2,250.90	1/4	1,891.56	
1/2	1/2	4,756.47	1/2	4,398.64	1/2	4,039.56	1/2	3,680.41	1/2	3,321.26	1/2	2,962.10	1/2	2,602.76	1/2	2,243.41	1/2	1,884.07	
3/4	3/4	4,749.05	3/4	4,391.18	3/4	4,032.08	3/4	3,672.93	3/4	3,313.78	3/4	2,954.61	3/4	2,595.27	3/4	2,235.93	3/4	1,876.58	

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 43'-00" FORWARD OF AFT BULKHEAD.

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

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



# BARGE "KIRBY 30038"

## 2 PORT ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30043"

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	1,869.10	0	1,509.76	0	1,151.26	0	805.44	0	451.77	0	97.49	0		0		0		0	
1/4	1,861.61	1/4	1,502.27	1/4	1,144.06	1/4	797.96	1/4	444.28	1/4	90.13	1/4		1/4		1/4		1/4	
1/2	1,854.13	1/2	1,494.78	1/2	1,136.85	1/2	790.47	1/2	436.80	1/2	82.77	1/2		1/2		1/2		1/2	
3/4	1,846.64	3/4	1,487.30	3/4	1,129.65	3/4	782.99	3/4	429.31	3/4	75.41	3/4		3/4		3/4		3/4	
1	1,839.15	1	1,479.81	1	1,122.45	1	775.50	1	421.83	1	68.05	1		1		1		1	
1/4	1,831.67	1/4	1,472.32	1/4	1,115.26	1/4	768.01	1/4	414.34	1/4	61.29	1/4		1/4		1/4		1/4	
1/2	1,824.18	1/2	1,464.84	1/2	1,108.06	1/2	760.53	1/2	406.85	1/2	54.53	1/2		1/2		1/2		1/2	
3/4	1,816.69	3/4	1,457.35	3/4	1,100.87	3/4	753.04	3/4	399.37	3/4	47.77	3/4		3/4		3/4		3/4	
2	1,809.21	2	1,449.87	2	1,093.68	2	745.55	2	391.88	2	41.01	2		2		2		2	
1/4	1,801.72	1/4	1,442.38	1/4	1,086.49	1/4	738.07	1/4	384.39	1/4	35.87	1/4		1/4		1/4		1/4	
1/2	1,794.24	1/2	1,434.89	1/2	1,079.30	1/2	730.58	1/2	376.91	1/2	30.72	1/2		1/2		1/2		1/2	
3/4	1,786.75	3/4	1,427.41	3/4	1,072.11	3/4	723.10	3/4	369.42	3/4	25.58	3/4		3/4		3/4		3/4	
3	1,779.26	3	1,419.92	3	1,064.92	3	715.61	3	361.94	3		3		3		3		3	
1/4	1,771.78	1/4	1,412.43	1/4	1,057.73	1/4	708.28	1/4	354.45	1/4		1/4		1/4		1/4		1/4	
1/2	1,764.29	1/2	1,404.95	1/2	1,050.55	1/2	700.94	1/2	346.96	1/2		1/2		1/2		1/2		1/2	
3/4	1,756.80	3/4	1,397.46	3/4	1,043.37	3/4	693.61	3/4	339.48	3/4		3/4		3/4		3/4		3/4	
4	1,749.32	4	1,389.97	4	1,036.18	4	686.27	4	331.99	4		4		4		4		4	
1/4	1,741.83	1/4	1,382.49	1/4	1,029.00	1/4	678.99	1/4	324.51	1/4		1/4		1/4		1/4		1/4	
1/2	1,734.34	1/2	1,375.00	1/2	1,021.82	1/2	671.70	1/2	317.02	1/2		1/2		1/2		1/2		1/2	
3/4	1,726.86	3/4	1,367.52	3/4	1,014.64	3/4	664.42	3/4	309.53	3/4		3/4		3/4		3/4		3/4	
5	1,719.37	5	1,360.03	5	1,007.45	5	657.13	5	302.05	5		5		5		5		5	
1/4	1,711.89	1/4	1,352.54	1/4	1,000.27	1/4	649.85	1/4	294.64	1/4		1/4		1/4		1/4		1/4	
1/2	1,704.40	1/2	1,345.06	1/2	993.09	1/2	642.57	1/2	287.23	1/2		1/2		1/2		1/2		1/2	
3/4	1,696.91	3/4	1,337.57	3/4	985.91	3/4	635.28	3/4	279.82	3/4		3/4		3/4		3/4		3/4	
6	1,689.43	6	1,330.08	6	978.73	6	628.00	6	272.41	6		6		6		6		6	
1/4	1,681.94	1/4	1,322.60	1/4	971.54	1/4	620.72	1/4	265.10	1/4		1/4		1/4		1/4		1/4	
1/2	1,674.45	1/2	1,315.11	1/2	964.36	1/2	613.43	1/2	257.79	1/2		1/2		1/2		1/2		1/2	
3/4	1,666.97	3/4	1,307.63	3/4	957.18	3/4	606.15	3/4	250.48	3/4		3/4		3/4		3/4		3/4	
7	1,659.48	7	1,300.14	7	950.00	7	598.86	7	243.17	7		7		7		7		7	
1/4	1,652.00	1/4	1,292.65	1/4	942.82	1/4	591.58	1/4	235.89	1/4		1/4		1/4		1/4		1/4	
1/2	1,644.51	1/2	1,285.17	1/2	935.63	1/2	584.30	1/2	228.60	1/2		1/2		1/2		1/2		1/2	
3/4	1,637.02	3/4	1,277.68	3/4	928.45	3/4	577.01	3/4	221.32	3/4		3/4		3/4		3/4		3/4	
8	1,629.54	8	1,270.19	8	921.27	8	569.73	8	214.03	8		8		8		8		8	
1/4	1,622.05	1/4	1,262.71	1/4	914.09	1/4	562.44	1/4	206.75	1/4		1/4		1/4		1/4		1/4	
1/2	1,614.56	1/2	1,255.22	1/2	906.91	1/2	555.16	1/2	199.47	1/2		1/2		1/2		1/2		1/2	
3/4	1,607.08	3/4	1,247.74	3/4	899.72	3/4	547.88	3/4	192.18	3/4		3/4		3/4		3/4		3/4	
9	1,599.59	9	1,240.25	9	892.54	9	540.59	9	184.90	9		9		9		9		9	
1/4	1,592.11	1/4	1,232.76	1/4	885.36	1/4	533.31	1/4	177.61	1/4		1/4		1/4		1/4		1/4	
1/2	1,584.62	1/2	1,225.28	1/2	878.18	1/2	526.02	1/2	170.33	1/2		1/2		1/2		1/2		1/2	
3/4	1,577.13	3/4	1,217.79	3/4	870.99	3/4	518.74	3/4	163.05	3/4		3/4		3/4		3/4		3/4	
10	1,569.65	10	1,210.30	10	863.81	10	511.46	10	155.76	10		10		10		10		10	
1/4	1,562.16	1/4	1,202.82	1/4	856.63	1/4	504.02	1/4	148.48	1/4		1/4		1/4		1/4		1/4	
1/2	1,554.67	1/2	1,195.33	1/2	849.45	1/2	496.59	1/2	141.19	1/2		1/2		1/2		1/2		1/2	
3/4	1,547.19	3/4	1,187.84	3/4	842.27	3/4	489.15	3/4	133.91	3/4		3/4		3/4		3/4		3/4	
11	1,539.70	11	1,180.36	11	835.08	11	481.71	11	126.63	11		11		11		11		11	
1/4	1,532.21	1/4	1,173.08	1/4	827.67	1/4	474.23	1/4	119.34	1/4		1/4		1/4		1/4		1/4	
1/2	1,524.73	1/2	1,165.81	1/2	820.26	1/2	466.74	1/2	112.06	1/2		1/2		1/2		1/2		1/2	
3/4	1,517.24	3/4	1,158.54	3/4	812.85	3/4	459.26	3/4	104.77	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/06/2012 CL - SW  
CALCULATED: 11/08/2012 CL  
NAME CHANGE: 05/17/2023 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2023

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



# BARGE "KIRBY 30038"

## 2 STBD ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30043"

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	5,085.63	0	4,749.28	0	4,391.23	0	4,032.01	0	3,672.77	0	3,313.53	0	2,954.27	0	2,594.85	0	2,235.42		
1/4	1/4	1/4	5,081.15	1/4	4,741.86	1/4	4,383.75	1/4	4,024.52	1/4	3,665.29	1/4	3,306.05	1/4	2,946.79	1/4	2,587.36	1/4	2,227.93		
1/2	1/2	1/2	5,076.66	1/2	4,734.43	1/2	4,376.27	1/2	4,017.04	1/2	3,657.80	1/2	3,298.57	1/2	2,939.30	1/2	2,579.87	1/2	2,220.44		
3/4	3/4	3/4	5,072.18	3/4	4,727.01	3/4	4,368.79	3/4	4,009.56	3/4	3,650.32	3/4	3,291.08	3/4	2,931.81	3/4	2,572.38	3/4	2,212.95		
1		1	5,066.62	1	4,719.56	1	4,361.31	1	4,002.07	1	3,642.83	1	3,283.60	1	2,924.32	1	2,564.89	1	2,205.46		
1/4	1/4	1/4	5,061.07	1/4	4,712.11	1/4	4,353.82	1/4	3,994.59	1/4	3,635.35	1/4	3,276.11	1/4	2,916.83	1/4	2,557.41	1/4	2,197.98		
1/2	1/2	1/2	5,055.51	1/2	4,704.66	1/2	4,346.34	1/2	3,987.10	1/2	3,627.87	1/2	3,268.63	1/2	2,909.35	1/2	2,549.92	1/2	2,190.49		
3/4	3/4	3/4	5,049.96	3/4	4,697.20	3/4	4,338.86	3/4	3,979.62	3/4	3,620.38	3/4	3,261.14	3/4	2,901.86	3/4	2,542.43	3/4	2,183.00		
2		2	5,043.33	2	4,689.74	2	4,331.37	2	3,972.13	2	3,612.90	2	3,253.66	2	2,894.37	2	2,534.94	2	2,175.51		
1/4	1/4	1/4	5,036.71	1/4	4,682.28	1/4	4,323.89	1/4	3,964.65	1/4	3,605.41	1/4	3,246.18	1/4	2,886.88	1/4	2,527.45	1/4	2,168.02		
1/2	1/2	1/2	5,030.08	1/2	4,674.82	1/2	4,316.40	1/2	3,957.17	1/2	3,597.93	1/2	3,238.69	1/2	2,879.39	1/2	2,519.97	1/2	2,160.54		
3/4	3/4	3/4	5,023.45	3/4	4,667.35	3/4	4,308.92	3/4	3,949.68	3/4	3,590.45	3/4	3,231.21	3/4	2,871.91	3/4	2,512.48	3/4	2,153.05		
3		3	5,016.16	3	4,659.89	3	4,301.43	3	3,942.20	3	3,582.96	3	3,223.72	3	2,864.42	3	2,504.99	3	2,145.56		
1/4	1/4	1/4	5,008.87	1/4	4,652.43	1/4	4,293.95	1/4	3,934.71	1/4	3,575.48	1/4	3,216.24	1/4	2,856.93	1/4	2,497.50	1/4	2,138.07		
1/2	1/2	1/2	5,001.57	1/2	4,644.97	1/2	4,286.47	1/2	3,927.23	1/2	3,567.99	1/2	3,208.76	1/2	2,849.44	1/2	2,490.01	1/2	2,130.58		
3/4	3/4	3/4	4,994.28	3/4	4,637.50	3/4	4,278.98	3/4	3,919.75	3/4	3,560.51	3/4	3,201.27	3/4	2,841.95	3/4	2,482.52	3/4	2,123.10		
4		4	4,986.85	4	4,630.04	4	4,271.50	4	3,912.26	4	3,553.02	4	3,193.79	4	2,834.47	4	2,475.04	4	2,115.61		
1/4	1/4	1/4	4,979.43	1/4	4,622.58	1/4	4,264.01	1/4	3,904.78	1/4	3,545.54	1/4	3,186.30	1/4	2,826.98	1/4	2,467.55	1/4	2,108.12		
1/2	1/2	1/2	4,972.00	1/2	4,615.12	1/2	4,256.53	1/2	3,897.29	1/2	3,538.06	1/2	3,178.82	1/2	2,819.49	1/2	2,460.06	1/2	2,100.63		
3/4	3/4	3/4	4,964.57	3/4	4,607.65	3/4	4,249.05	3/4	3,889.81	3/4	3,530.57	3/4	3,171.34	3/4	2,812.00	3/4	2,452.57	3/4	2,093.14		
5		5	4,957.15	5	4,600.19	5	4,241.56	5	3,882.33	5	3,523.09	5	3,163.85	5	2,804.51	5	2,445.08	5	2,085.66		
1/4	1/4	1/4	4,949.72	1/4	4,592.73	1/4	4,234.08	1/4	3,874.84	1/4	3,515.60	1/4	3,156.37	1/4	2,797.02	1/4	2,437.60	1/4	2,078.17		
1/2	1/2	1/2	4,942.29	1/2	4,585.27	1/2	4,226.59	1/2	3,867.36	1/2	3,508.12	1/2	3,148.88	1/2	2,789.54	1/2	2,430.11	1/2	2,070.68		
3/4	3/4	3/4	4,934.87	3/4	4,577.80	3/4	4,219.11	3/4	3,859.87	3/4	3,500.64	3/4	3,141.40	3/4	2,782.05	3/4	2,422.62	3/4	2,063.19		
6		6	4,927.44	6	4,570.34	6	4,211.63	6	3,852.39	6	3,493.15	6	3,133.92	6	2,774.56	6	2,415.13	6	2,055.70		
1/4	1/4	1/4	4,920.01	1/4	4,562.88	1/4	4,204.14	1/4	3,844.90	1/4	3,485.67	1/4	3,126.43	1/4	2,767.07	1/4	2,407.64	1/4	2,048.21		
1/2	1/2	1/2	4,912.59	1/2	4,555.42	1/2	4,196.66	1/2	3,837.42	1/2	3,478.18	1/2	3,118.95	1/2	2,759.58	1/2	2,400.16	1/2	2,040.73		
3/4	3/4	3/4	4,905.16	3/4	4,547.95	3/4	4,189.17	3/4	3,829.94	3/4	3,470.70	3/4	3,111.46	3/4	2,752.10	3/4	2,392.67	3/4	2,033.24		
7		7	4,897.74	7	4,540.49	7	4,181.69	7	3,822.45	7	3,463.22	7	3,103.98	7	2,744.61	7	2,385.18	7	2,025.75		
1/4	1/4	1/4	4,890.31	1/4	4,533.03	1/4	4,174.21	1/4	3,814.97	1/4	3,455.73	1/4	3,096.49	1/4	2,737.12	1/4	2,377.69	1/4	2,018.26		
1/2	1/2	1/2	4,882.89	1/2	4,525.57	1/2	4,166.72	1/2	3,807.48	1/2	3,448.25	1/2	3,089.01	1/2	2,729.63	1/2	2,370.20	1/2	2,010.77		
3/4	3/4	3/4	4,875.46	3/4	4,518.11	3/4	4,159.24	3/4	3,800.00	3/4	3,440.76	3/4	3,081.53	3/4	2,722.14	3/4	2,362.71	3/4	2,003.29		
8		8	4,868.04	8	4,510.64	8	4,151.75	8	3,792.52	8	3,433.28	8	3,074.04	8	2,714.66	8	2,355.23	8	1,995.80		
1/4	1/4	1/4	4,860.62	1/4	4,503.18	1/4	4,144.27	1/4	3,785.03	1/4	3,425.80	1/4	3,066.56	1/4	2,707.17	1/4	2,347.74	1/4	1,988.31		
1/2	1/2	1/2	4,853.20	1/2	4,495.72	1/2	4,136.78	1/2	3,777.55	1/2	3,418.31	1/2	3,059.07	1/2	2,699.68	1/2	2,340.25	1/2	1,980.82		
3/4	3/4	3/4	4,845.77	3/4	4,488.26	3/4	4,129.30	3/4	3,770.06	3/4	3,410.83	3/4	3,051.59	3/4	2,692.19	3/4	2,332.76	3/4	1,973.33		
9		9	4,838.35	9	4,480.79	9	4,121.82	9	3,762.58	9	3,403.34	9	3,044.11	9	2,684.70	9	2,325.27	9	1,965.85		
1/4	1/4	1/4	4,830.93	1/4	4,473.33	1/4	4,114.33	1/4	3,755.10	1/4	3,395.86	1/4	3,036.62	1/4	2,677.22	1/4	2,317.79	1/4	1,958.36		
1/2	1/2	1/2	4,823.51	1/2	4,465.87	1/2	4,106.85	1/2	3,747.61	1/2	3,388.37	1/2	3,029.14	1/2	2,669.73	1/2	2,310.30	1/2	1,950.87		
3/4	3/4	3/4	4,816.08	3/4	4,458.41	3/4	4,099.36	3/4	3,740.13	3/4	3,380.89	3/4	3,021.65	3/4	2,662.24	3/4	2,302.81	3/4	1,943.38		
10		10	4,808.66	10	4,450.94	10	4,091.88	10	3,732.64	10	3,373.41	10	3,014.17	10	2,654.75	10	2,295.32	10	1,935.89		
1/4	1/4	1/4	4,801.24	1/4	4,443.48	1/4	4,084.40	1/4	3,725.16	1/4	3,365.92	1/4	3,006.69	1/4	2,647.26	1/4	2,287.83	1/4	1,928.41		
1/2	1/2	1/2	4,793.82	1/2	4,436.02	1/2	4,076.91	1/2	3,717.68	1/2	3,358.44	1/2	2,999.20	1/2	2,639.77	1/2	2,280.35	1/2	1,920.92		
3/4	3/4	3/4	4,786.39	3/4	4,428.56	3/4	4,069.43	3/4	3,710.19	3/4	3,350.95	3/4	2,991.72	3/4	2,632.29	3/4	2,272.86	3/4	1,913.43		
11		11	4,778.97	11	4,421.09	11	4,061.94	11	3,702.71	11	3,343.47	11	2,984.23	11	2,624.80	11	2,265.37	11	1,905.94		
1/4	1/4	1/4	4,771.55	1/4	4,413.63	1/4	4,054.46	1/4	3,695.22	1/4	3,335.99	1/4	2,976.74	1/4	2,617.31	1/4	2,257.88	1/4	1,898.45		
1/2	1/2	1/2	4,764.13	1/2	4,406.17	1/2	4,046.98	1/2	3,687.74	1/2	3,328.50	1/2	2,969.25	1/2	2,609.82	1/2	2,250.39	1/2	1,890.96		
3/4	3/4	3/4	4,756.70	3/4	4,398.71	3/4	4,039.49	3/4	3,680.25	3/4	3,321.02	3/4	2,961.76	3/4	2,602.33	3/4	2,242.91	3/4	1,883.48		

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 43'-00" FORWARD OF AFT BULKHEAD.

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

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





# BARGE "KIRBY 30038"

## 2 STBD ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30043"

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	1,875.99	0	1,516.56	0	1,157.13	0	798.16	0	444.40	0	90.16	0		0		0		0	
1/4	1,868.50	1/4	1,509.07	1/4	1,149.64	1/4	790.67	1/4	436.91	1/4	82.80	1/4		1/4		1/4		1/4	
1/2	1,861.01	1/2	1,501.58	1/2	1,142.15	1/2	783.18	1/2	429.42	1/2	75.43	1/2		1/2		1/2		1/2	
3/4	1,853.52	3/4	1,494.10	3/4	1,134.67	3/4	775.70	3/4	421.94	3/4	68.07	3/4		3/4		3/4		3/4	
1	1,846.04	1	1,486.61	1	1,127.18	1	768.21	1	414.45	1	61.31	1		1		1		1	
1/4	1,838.55	1/4	1,479.12	1/4	1,119.70	1/4	760.72	1/4	406.96	1/4	54.55	1/4		1/4		1/4		1/4	
1/2	1,831.06	1/2	1,471.63	1/2	1,112.21	1/2	753.23	1/2	399.47	1/2	47.79	1/2		1/2		1/2		1/2	
3/4	1,823.57	3/4	1,464.14	3/4	1,104.73	3/4	745.75	3/4	391.98	3/4	41.03	3/4		3/4		3/4		3/4	
2	1,816.08	2	1,456.65	2	1,097.25	2	738.26	2	384.50	2	35.88	2		2		2		2	
1/4	1,808.60	1/4	1,449.17	1/4	1,089.77	1/4	730.77	1/4	377.01	1/4	30.73	1/4		1/4		1/4		1/4	
1/2	1,801.11	1/2	1,441.68	1/2	1,082.28	1/2	723.28	1/2	369.52	1/2	25.58	1/2		1/2		1/2		1/2	
3/4	1,793.62	3/4	1,434.19	3/4	1,074.80	3/4	715.79	3/4	362.03	3/4		3/4		3/4		3/4		3/4	
3	1,786.13	3	1,426.70	3	1,067.32	3	708.46	3	354.54	3		3		3		3		3	
1/4	1,778.64	1/4	1,419.21	1/4	1,059.85	1/4	701.12	1/4	347.06	1/4		1/4		1/4		1/4		1/4	
1/2	1,771.16	1/2	1,411.73	1/2	1,052.37	1/2	693.79	1/2	339.57	1/2		1/2		1/2		1/2		1/2	
3/4	1,763.67	3/4	1,404.24	3/4	1,044.89	3/4	686.45	3/4	332.08	3/4		3/4		3/4		3/4		3/4	
4	1,756.18	4	1,396.75	4	1,037.42	4	679.16	4	324.59	4		4		4		4		4	
1/4	1,748.69	1/4	1,389.26	1/4	1,029.94	1/4	671.88	1/4	317.10	1/4		1/4		1/4		1/4		1/4	
1/2	1,741.20	1/2	1,381.77	1/2	1,022.47	1/2	664.59	1/2	309.62	1/2		1/2		1/2		1/2		1/2	
3/4	1,733.71	3/4	1,374.29	3/4	1,014.99	3/4	657.31	3/4	302.13	3/4		3/4		3/4		3/4		3/4	
5	1,726.23	5	1,366.80	5	1,007.52	5	650.02	5	294.72	5		5		5		5		5	
1/4	1,718.74	1/4	1,359.31	1/4	1,000.04	1/4	642.73	1/4	287.30	1/4		1/4		1/4		1/4		1/4	
1/2	1,711.25	1/2	1,351.82	1/2	992.57	1/2	635.45	1/2	279.89	1/2		1/2		1/2		1/2		1/2	
3/4	1,703.76	3/4	1,344.33	3/4	985.09	3/4	628.16	3/4	272.48	3/4		3/4		3/4		3/4		3/4	
6	1,696.27	6	1,336.85	6	977.62	6	620.88	6	265.17	6		6		6		6		6	
1/4	1,688.79	1/4	1,329.36	1/4	970.14	1/4	613.59	1/4	257.86	1/4		1/4		1/4		1/4		1/4	
1/2	1,681.30	1/2	1,321.87	1/2	962.67	1/2	606.30	1/2	250.55	1/2		1/2		1/2		1/2		1/2	
3/4	1,673.81	3/4	1,314.38	3/4	955.19	3/4	599.02	3/4	243.24	3/4		3/4		3/4		3/4		3/4	
7	1,666.32	7	1,306.89	7	947.72	7	591.73	7	235.95	7		7		7		7		7	
1/4	1,658.83	1/4	1,299.40	1/4	940.24	1/4	584.45	1/4	228.67	1/4		1/4		1/4		1/4		1/4	
1/2	1,651.35	1/2	1,291.92	1/2	932.76	1/2	577.16	1/2	221.38	1/2		1/2		1/2		1/2		1/2	
3/4	1,643.86	3/4	1,284.43	3/4	925.29	3/4	569.88	3/4	214.09	3/4		3/4		3/4		3/4		3/4	
8	1,636.37	8	1,276.94	8	917.81	8	562.59	8	206.81	8		8		8		8		8	
1/4	1,628.88	1/4	1,269.45	1/4	910.34	1/4	555.30	1/4	199.52	1/4		1/4		1/4		1/4		1/4	
1/2	1,621.39	1/2	1,261.96	1/2	902.86	1/2	548.02	1/2	192.24	1/2		1/2		1/2		1/2		1/2	
3/4	1,613.90	3/4	1,254.48	3/4	895.39	3/4	540.73	3/4	184.95	3/4		3/4		3/4		3/4		3/4	
9	1,606.42	9	1,246.99	9	887.91	9	533.45	9	177.66	9		9		9		9		9	
1/4	1,598.93	1/4	1,239.50	1/4	880.44	1/4	526.16	1/4	170.38	1/4		1/4		1/4		1/4		1/4	
1/2	1,591.44	1/2	1,232.01	1/2	872.96	1/2	518.87	1/2	163.09	1/2		1/2		1/2		1/2		1/2	
3/4	1,583.95	3/4	1,224.52	3/4	865.49	3/4	511.59	3/4	155.81	3/4		3/4		3/4		3/4		3/4	
10	1,576.46	10	1,217.04	10	858.01	10	504.15	10	148.52	10		10		10		10		10	
1/4	1,568.98	1/4	1,209.55	1/4	850.54	1/4	496.71	1/4	141.23	1/4		1/4		1/4		1/4		1/4	
1/2	1,561.49	1/2	1,202.06	1/2	843.06	1/2	489.28	1/2	133.95	1/2		1/2		1/2		1/2		1/2	
3/4	1,554.00	3/4	1,194.57	3/4	835.59	3/4	481.84	3/4	126.66	3/4		3/4		3/4		3/4		3/4	
11	1,546.51	11	1,187.08	11	828.10	11	474.35	11	119.38	11		11		11		11		11	
1/4	1,539.02	1/4	1,179.60	1/4	820.62	1/4	466.86	1/4	112.09	1/4		1/4		1/4		1/4		1/4	
1/2	1,531.54	1/2	1,172.11	1/2	813.13	1/2	459.37	1/2	104.80	1/2		1/2		1/2		1/2		1/2	
3/4	1,524.05	3/4	1,164.62	3/4	805.65	3/4	451.89	3/4	97.52	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/06/2012 CL - SW  
CALCULATED: 11/08/2012 CL  
NAME CHANGE: 05/17/2023 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2023

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



# BARGE "KIRBY 30038"

## 3 PORT ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30043"

GAUGE HEIGHT 15'-02"

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	4,121.04	0	4,000.20	0	3,864.26	0	3,727.61	0	3,590.95	0	3,262.45	0	2,905.87	0	2,549.08	0	2,193.60		
1/4	1/4	1/4	4,120.91	1/4	3,997.39	1/4	3,861.42	1/4	3,724.76	1/4	3,588.10	1/4	3,255.04	1/4	2,898.44	1/4	2,541.64	1/4	2,186.22		
1/2	1/2	1/2	4,119.97	1/2	3,994.56	1/2	3,858.57	1/2	3,721.91	1/2	3,585.26	1/2	3,247.62	1/2	2,891.00	1/2	2,534.20	1/2	2,178.85		
3/4	3/4	3/4	4,119.03	3/4	3,991.74	3/4	3,855.72	3/4	3,719.07	3/4	3,582.41	3/4	3,240.19	3/4	2,883.57	3/4	2,526.77	3/4	2,171.47		
1		1	4,118.08	1	3,988.91	1	3,852.88	1	3,716.22	1	3,579.56	1	3,232.77	1	2,876.14	1	2,519.33	1	2,164.09		
1/4	1/4	1/4	4,117.14	1/4	3,986.09	1/4	3,850.03	1/4	3,713.37	1/4	3,576.72	1/4	3,225.34	1/4	2,868.71	1/4	2,511.89	1/4	2,156.72		
1/2	1/2	1/2	4,115.13	1/2	3,983.25	1/2	3,847.18	1/2	3,710.53	1/2	3,570.42	1/2	3,217.91	1/2	2,861.27	1/2	2,504.45	1/2	2,149.34		
3/4	3/4	3/4	4,113.12	3/4	3,980.42	3/4	3,844.33	3/4	3,707.68	3/4	3,564.12	3/4	3,210.49	3/4	2,853.84	3/4	2,497.01	3/4	2,141.96		
2		2	4,111.12	2	3,977.59	2	3,841.49	2	3,704.83	2	3,557.82	2	3,203.06	2	2,846.41	2	2,489.57	2	2,134.59		
1/4	1/4	1/4	4,109.11	1/4	3,974.76	1/4	3,838.64	1/4	3,701.98	1/4	3,551.52	1/4	3,195.63	1/4	2,838.98	1/4	2,482.13	1/4	2,127.21		
1/2	1/2	1/2	4,106.43	1/2	3,971.92	1/2	3,835.79	1/2	3,699.14	1/2	3,544.09	1/2	3,188.20	1/2	2,831.55	1/2	2,474.72	1/2	2,119.83		
3/4	3/4	3/4	4,103.76	3/4	3,969.09	3/4	3,832.95	3/4	3,696.29	3/4	3,536.66	3/4	3,180.77	3/4	2,824.11	3/4	2,467.31	3/4	2,112.46		
3		3	4,101.09	3	3,966.26	3	3,830.10	3	3,693.44	3	3,529.24	3	3,173.34	3	2,816.68	3	2,459.90	3	2,105.08		
1/4	1/4	1/4	4,098.41	1/4	3,963.43	1/4	3,827.25	1/4	3,690.60	1/4	3,521.81	1/4	3,165.91	1/4	2,809.25	1/4	2,452.49	1/4	2,097.71		
1/2	1/2	1/2	4,095.60	1/2	3,960.59	1/2	3,824.41	1/2	3,687.75	1/2	3,514.39	1/2	3,158.48	1/2	2,801.82	1/2	2,445.09	1/2	2,090.33		
3/4	3/4	3/4	4,092.80	3/4	3,957.76	3/4	3,821.56	3/4	3,684.90	3/4	3,506.97	3/4	3,151.05	3/4	2,794.39	3/4	2,437.69	3/4	2,082.95		
4		4	4,089.99	4	3,954.93	4	3,818.71	4	3,682.06	4	3,499.55	4	3,143.62	4	2,786.95	4	2,430.28	4	2,075.58		
1/4	1/4	1/4	4,087.18	1/4	3,952.10	1/4	3,815.86	1/4	3,679.21	1/4	3,492.13	1/4	3,136.19	1/4	2,779.52	1/4	2,422.88	1/4	2,068.20		
1/2	1/2	1/2	4,084.37	1/2	3,949.26	1/2	3,813.02	1/2	3,676.36	1/2	3,484.72	1/2	3,128.76	1/2	2,772.09	1/2	2,415.48	1/2	2,060.82		
3/4	3/4	3/4	4,081.56	3/4	3,946.43	3/4	3,810.17	3/4	3,673.51	3/4	3,477.31	3/4	3,121.33	3/4	2,764.66	3/4	2,408.08	3/4	2,053.45		
5		5	4,078.76	5	3,943.60	5	3,807.32	5	3,670.67	5	3,469.89	5	3,113.90	5	2,757.23	5	2,400.68	5	2,046.07		
1/4	1/4	1/4	4,075.95	1/4	3,940.77	1/4	3,804.48	1/4	3,667.82	1/4	3,462.48	1/4	3,106.47	1/4	2,749.79	1/4	2,393.28	1/4	2,038.69		
1/2	1/2	1/2	4,073.14	1/2	3,937.93	1/2	3,801.63	1/2	3,664.97	1/2	3,455.07	1/2	3,099.04	1/2	2,742.36	1/2	2,385.88	1/2	2,031.32		
3/4	3/4	3/4	4,070.33	3/4	3,935.10	3/4	3,798.78	3/4	3,662.13	3/4	3,447.67	3/4	3,091.62	3/4	2,734.93	3/4	2,378.48	3/4	2,023.94		
6		6	4,067.52	6	3,932.27	6	3,795.94	6	3,659.28	6	3,440.26	6	3,084.19	6	2,727.50	6	2,371.08	6	2,016.56		
1/4	1/4	1/4	4,064.72	1/4	3,929.44	1/4	3,793.09	1/4	3,656.43	1/4	3,432.85	1/4	3,076.76	1/4	2,720.06	1/4	2,363.68	1/4	2,009.19		
1/2	1/2	1/2	4,061.91	1/2	3,926.60	1/2	3,790.24	1/2	3,653.59	1/2	3,425.44	1/2	3,069.33	1/2	2,712.63	1/2	2,356.28	1/2	2,001.81		
3/4	3/4	3/4	4,059.10	3/4	3,923.77	3/4	3,787.39	3/4	3,650.74	3/4	3,418.03	3/4	3,061.90	3/4	2,705.20	3/4	2,348.87	3/4	1,994.43		
7		7	4,056.30	7	3,920.94	7	3,784.55	7	3,647.89	7	3,410.62	7	3,054.47	7	2,697.77	7	2,341.47	7	1,987.06		
1/4	1/4	1/4	4,053.49	1/4	3,918.11	1/4	3,781.70	1/4	3,645.04	1/4	3,403.21	1/4	3,047.04	1/4	2,690.34	1/4	2,334.07	1/4	1,979.68		
1/2	1/2	1/2	4,050.69	1/2	3,915.27	1/2	3,778.85	1/2	3,642.20	1/2	3,395.80	1/2	3,039.61	1/2	2,682.90	1/2	2,326.67	1/2	1,972.30		
3/4	3/4	3/4	4,047.88	3/4	3,912.44	3/4	3,776.01	3/4	3,639.35	3/4	3,388.40	3/4	3,032.18	3/4	2,675.47	3/4	2,319.27	3/4	1,964.93		
8		8	4,045.08	8	3,909.61	8	3,773.16	8	3,636.50	8	3,380.99	8	3,024.75	8	2,668.04	8	2,311.87	8	1,957.55		
1/4	1/4	1/4	4,042.27	1/4	3,906.78	1/4	3,770.31	1/4	3,633.66	1/4	3,373.58	1/4	3,017.32	1/4	2,660.61	1/4	2,304.47	1/4	1,950.18		
1/2	1/2	1/2	4,039.47	1/2	3,903.94	1/2	3,767.47	1/2	3,630.81	1/2	3,366.17	1/2	3,009.89	1/2	2,653.18	1/2	2,297.07	1/2	1,942.80		
3/4	3/4	3/4	4,036.66	3/4	3,901.11	3/4	3,764.62	3/4	3,627.96	3/4	3,358.76	3/4	3,002.46	3/4	2,645.74	3/4	2,289.67	3/4	1,935.42		
9		9	4,033.86	9	3,898.28	9	3,761.77	9	3,625.12	9	3,351.35	9	2,995.03	9	2,638.31	9	2,282.27	9	1,928.05		
1/4	1/4	1/4	4,031.05	1/4	3,895.45	1/4	3,758.92	1/4	3,622.27	1/4	3,343.94	1/4	2,987.60	1/4	2,630.88	1/4	2,274.87	1/4	1,920.67		
1/2	1/2	1/2	4,028.25	1/2	3,892.61	1/2	3,756.08	1/2	3,619.42	1/2	3,336.54	1/2	2,980.17	1/2	2,623.45	1/2	2,267.46	1/2	1,913.29		
3/4	3/4	3/4	4,025.44	3/4	3,889.78	3/4	3,753.23	3/4	3,616.57	3/4	3,329.13	3/4	2,972.74	3/4	2,616.02	3/4	2,260.06	3/4	1,905.92		
10		10	4,022.64	10	3,886.95	10	3,750.38	10	3,613.73	10	3,321.72	10	2,965.32	10	2,608.58	10	2,252.66	10	1,898.54		
1/4	1/4	1/4	4,019.83	1/4	3,884.12	1/4	3,747.54	1/4	3,610.88	1/4	3,314.31	1/4	2,957.89	1/4	2,601.15	1/4	2,245.26	1/4	1,891.16		
1/2	1/2	1/2	4,017.03	1/2	3,881.28	1/2	3,744.69	1/2	3,608.03	1/2	3,306.90	1/2	2,950.46	1/2	2,593.71	1/2	2,237.88	1/2	1,883.74		
3/4	3/4	3/4	4,014.22	3/4	3,878.45	3/4	3,741.84	3/4	3,605.19	3/4	3,299.49	3/4	2,943.02	3/4	2,586.28	3/4	2,230.50	3/4	1,876.31		
11		11	4,011.42	11	3,875.62	11	3,739.00	11	3,602.34	11	3,292.08	11	2,935.59	11	2,578.84	11	2,223.11	11	1,868.89		
1/4	1/4	1/4	4,008.61	1/4	3,872.79	1/4	3,736.15	1/4	3,599.49	1/4	3,284.67	1/4	2,928.16	1/4	2,571.40	1/4	2,215.73	1/4	1,861.46		
1/2	1/2	1/2	4,121.30	1/2	4,005.81	1/2	3,869.94	1/2	3,733.30	1/2	3,596.65	1/2	3,277.27	1/2	2,920.73	1/2	2,563.96	1/2	2,208.35	1/2	1,854.02
3/4	3/4	3/4	4,121.17	3/4	4,003.00	3/4	3,867.10	3/4	3,730.45	3/4	3,593.80	3/4	3,269.86	3/4	2,913.30	3/4	2,556.52	3/4	2,200.98	3/4	1,846.58

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  
<http://www.pmacorp.net>



# BARGE "KIRBY 30038"

## 3 PORT ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30043"

GAUGE HEIGHT 15'-02"

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	1,839.14	0	1,482.06	0	1,126.23	0	778.66	0	427.01	0	75.10	0		0		0		0	
1/4	1,831.70	1/4	1,474.62	1/4	1,119.00	1/4	771.21	1/4	419.57	1/4	67.77	1/4		1/4		1/4		1/4	
1/2	1,824.27	1/2	1,467.18	1/2	1,111.78	1/2	763.77	1/2	412.12	1/2	61.04	1/2		1/2		1/2		1/2	
3/4	1,816.83	3/4	1,459.74	3/4	1,104.56	3/4	756.32	3/4	404.68	3/4	54.31	3/4		3/4		3/4		3/4	
1	1,809.39	1	1,452.30	1	1,097.34	1	748.88	1	397.24	1	47.58	1		1		1		1	
1/4	1,801.95	1/4	1,444.86	1/4	1,090.12	1/4	741.44	1/4	389.80	1/4	40.85	1/4		1/4		1/4		1/4	
1/2	1,794.51	1/2	1,437.42	1/2	1,082.90	1/2	733.99	1/2	382.36	1/2	35.72	1/2		1/2		1/2		1/2	
3/4	1,787.07	3/4	1,429.98	3/4	1,075.69	3/4	726.55	3/4	374.91	3/4	30.60	3/4		3/4		3/4		3/4	
2	1,779.63	2	1,422.54	2	1,068.47	2	719.11	2	367.47	2	25.47	2		2		2		2	
1/4	1,772.19	1/4	1,415.10	1/4	1,061.25	1/4	711.66	1/4	360.03	1/4		1/4		1/4		1/4		1/4	
1/2	1,764.75	1/2	1,407.66	1/2	1,054.04	1/2	704.37	1/2	352.59	1/2		1/2		1/2		1/2		1/2	
3/4	1,757.31	3/4	1,400.22	3/4	1,046.83	3/4	697.08	3/4	345.15	3/4		3/4		3/4		3/4		3/4	
3	1,749.87	3	1,392.79	3	1,039.62	3	689.79	3	337.70	3	3	3		3		3		3	
1/4	1,742.43	1/4	1,385.35	1/4	1,032.41	1/4	682.49	1/4	330.26	1/4		1/4		1/4		1/4		1/4	
1/2	1,734.99	1/2	1,377.91	1/2	1,025.20	1/2	675.25	1/2	322.82	1/2		1/2		1/2		1/2		1/2	
3/4	1,727.55	3/4	1,370.47	3/4	1,017.99	3/4	668.01	3/4	315.38	3/4		3/4		3/4		3/4		3/4	
4	1,720.11	4	1,363.03	4	1,010.78	4	660.77	4	307.93	4	4	4		4		4		4	
1/4	1,712.68	1/4	1,355.59	1/4	1,003.57	1/4	653.52	1/4	300.49	1/4		1/4		1/4		1/4		1/4	
1/2	1,705.24	1/2	1,348.15	1/2	996.36	1/2	646.28	1/2	293.13	1/2		1/2		1/2		1/2		1/2	
3/4	1,697.80	3/4	1,340.71	3/4	989.15	3/4	639.04	3/4	285.76	3/4		3/4		3/4		3/4		3/4	
5	1,690.36	5	1,333.27	5	981.94	5	631.80	5	278.39	5	5	5		5		5		5	
1/4	1,682.92	1/4	1,325.83	1/4	974.73	1/4	624.55	1/4	271.02	1/4		1/4		1/4		1/4		1/4	
1/2	1,675.48	1/2	1,318.39	1/2	967.52	1/2	617.31	1/2	263.76	1/2		1/2		1/2		1/2		1/2	
3/4	1,668.04	3/4	1,310.95	3/4	960.31	3/4	610.07	3/4	256.49	3/4		3/4		3/4		3/4		3/4	
6	1,660.60	6	1,303.51	6	953.10	6	602.83	6	249.23	6	6	6		6		6		6	
1/4	1,653.16	1/4	1,296.07	1/4	945.89	1/4	595.59	1/4	241.96	1/4		1/4		1/4		1/4		1/4	
1/2	1,645.72	1/2	1,288.64	1/2	938.68	1/2	588.34	1/2	234.72	1/2		1/2		1/2		1/2		1/2	
3/4	1,638.28	3/4	1,281.20	3/4	931.47	3/4	581.10	3/4	227.48	3/4		3/4		3/4		3/4		3/4	
7	1,630.84	7	1,273.76	7	924.26	7	573.86	7	220.24	7	7	7		7		7		7	
1/4	1,623.40	1/4	1,266.32	1/4	917.05	1/4	566.62	1/4	212.99	1/4		1/4		1/4		1/4		1/4	
1/2	1,615.96	1/2	1,258.88	1/2	909.84	1/2	559.37	1/2	205.75	1/2		1/2		1/2		1/2		1/2	
3/4	1,608.53	3/4	1,251.44	3/4	902.63	3/4	552.13	3/4	198.51	3/4		3/4		3/4		3/4		3/4	
8	1,601.09	8	1,244.00	8	895.42	8	544.89	8	191.27	8	8	8		8		8		8	
1/4	1,593.65	1/4	1,236.56	1/4	888.21	1/4	537.65	1/4	184.02	1/4		1/4		1/4		1/4		1/4	
1/2	1,586.21	1/2	1,229.12	1/2	881.00	1/2	530.41	1/2	176.78	1/2		1/2		1/2		1/2		1/2	
3/4	1,578.77	3/4	1,221.68	3/4	873.79	3/4	523.16	3/4	169.54	3/4		3/4		3/4		3/4		3/4	
9	1,571.33	9	1,214.24	9	866.58	9	515.92	9	162.29	9	9	9		9		9		9	
1/4	1,563.89	1/4	1,206.80	1/4	859.37	1/4	508.68	1/4	155.05	1/4		1/4		1/4		1/4		1/4	
1/2	1,556.45	1/2	1,199.36	1/2	852.16	1/2	501.29	1/2	147.81	1/2		1/2		1/2		1/2		1/2	
3/4	1,549.01	3/4	1,191.92	3/4	844.95	3/4	493.89	3/4	140.56	3/4		3/4		3/4		3/4		3/4	
10	1,541.57	10	1,184.49	10	837.74	10	486.50	10	133.32	10	10	10		10		10		10	
1/4	1,534.13	1/4	1,177.05	1/4	830.53	1/4	479.11	1/4	126.08	1/4		1/4		1/4		1/4		1/4	
1/2	1,526.69	1/2	1,169.76	1/2	823.14	1/2	471.66	1/2	118.83	1/2		1/2		1/2		1/2		1/2	
3/4	1,519.25	3/4	1,162.48	3/4	815.76	3/4	464.22	3/4	111.58	3/4		3/4		3/4		3/4		3/4	
11	1,511.81	11	1,155.20	11	808.37	11	456.78	11	104.33	11	11	11		11		11		11	
1/4	1,504.38	1/4	1,147.92	1/4	800.99	1/4	449.34	1/4	97.09	1/4		1/4		1/4		1/4		1/4	
1/2	1,496.94	1/2	1,140.69	1/2	793.54	1/2	441.89	1/2	89.76	1/2		1/2		1/2		1/2		1/2	
3/4	1,489.50	3/4	1,133.46	3/4	786.10	3/4	434.45	3/4	82.43	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/06/2012 CL - SW  
CALCULATED: 11/08/2012 CL  
NAME CHANGE: 05/17/2023 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2023

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



# BARGE "KIRBY 30038"

## 3 STBD ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30043"

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	3,994.52	0	3,860.21	0	3,725.07	0	3,589.91	0	3,282.15	0	2,928.22	0	2,574.04	0	2,219.53		
1/4	1/4			1/4	3,991.74	1/4	3,857.40	1/4	3,722.26	1/4	3,587.09	1/4	3,274.79	1/4	2,920.84	1/4	2,566.66	1/4	2,212.14		
1/2	1/2		4,103.17	1/2	3,988.97	1/2	3,854.59	1/2	3,719.44	1/2	3,584.28	1/2	3,267.44	1/2	2,913.46	1/2	2,559.27	1/2	2,204.75		
3/4	3/4		4,103.05	3/4	3,986.19	3/4	3,851.78	3/4	3,716.62	3/4	3,581.46	3/4	3,260.08	3/4	2,906.09	3/4	2,551.89	3/4	2,197.37		
1		1	4,102.92	1	3,983.42	1	3,848.97	1	3,713.81	1	3,578.65	1	3,252.72	1	2,898.71	1	2,544.50	1	2,189.98		
1/4	1/4		4,102.80	1/4	3,980.64	1/4	3,846.16	1/4	3,710.99	1/4	3,575.83	1/4	3,245.37	1/4	2,891.33	1/4	2,537.11	1/4	2,182.60		
1/2	1/2		4,101.87	1/2	3,977.85	1/2	3,843.34	1/2	3,708.18	1/2	3,573.01	1/2	3,238.00	1/2	2,883.95	1/2	2,529.73	1/2	2,175.21		
3/4	3/4		4,100.94	3/4	3,975.06	3/4	3,840.52	3/4	3,705.36	3/4	3,570.20	3/4	3,230.63	3/4	2,876.57	3/4	2,522.34	3/4	2,167.82		
2		2	4,100.01	2	3,972.26	2	3,837.71	2	3,702.55	2	3,567.38	2	3,223.26	2	2,869.19	2	2,514.96	2	2,160.44		
1/4	1/4		4,099.08	1/4	3,969.47	1/4	3,834.89	1/4	3,699.73	1/4	3,564.57	1/4	3,215.89	1/4	2,861.81	1/4	2,507.57	1/4	2,153.05		
1/2	1/2		4,097.09	1/2	3,966.67	1/2	3,832.08	1/2	3,696.91	1/2	3,558.33	1/2	3,208.51	1/2	2,854.44	1/2	2,500.19	1/2	2,145.67		
3/4	3/4		4,095.11	3/4	3,963.86	3/4	3,829.26	3/4	3,694.10	3/4	3,552.09	3/4	3,201.13	3/4	2,847.06	3/4	2,492.80	3/4	2,138.28		
3		3	4,093.12	3	3,961.06	3	3,826.45	3	3,691.28	3	3,545.85	3	3,193.76	3	2,839.68	3	2,485.41	3	2,130.90		
1/4	1/4		4,091.14	1/4	3,958.26	1/4	3,823.63	1/4	3,688.47	1/4	3,539.61	1/4	3,186.38	1/4	2,832.30	1/4	2,478.03	1/4	2,123.51		
1/2	1/2		4,088.49	1/2	3,955.46	1/2	3,820.81	1/2	3,685.65	1/2	3,532.25	1/2	3,179.01	1/2	2,824.92	1/2	2,470.64	1/2	2,116.12		
3/4	3/4		4,085.85	3/4	3,952.66	3/4	3,818.00	3/4	3,682.83	3/4	3,524.89	3/4	3,171.63	3/4	2,817.54	3/4	2,463.26	3/4	2,108.74		
4		4	4,083.20	4	3,949.86	4	3,815.18	4	3,680.02	4	3,517.53	4	3,164.25	4	2,810.16	4	2,455.87	4	2,101.35		
1/4	1/4		4,080.56	1/4	3,947.06	1/4	3,812.37	1/4	3,677.20	1/4	3,510.16	1/4	3,156.88	1/4	2,802.79	1/4	2,448.49	1/4	2,093.97		
1/2	1/2		4,077.78	1/2	3,944.25	1/2	3,809.55	1/2	3,674.39	1/2	3,502.81	1/2	3,149.50	1/2	2,795.41	1/2	2,441.10	1/2	2,086.58		
3/4	3/4		4,075.01	3/4	3,941.45	3/4	3,806.73	3/4	3,671.57	3/4	3,495.45	3/4	3,142.13	3/4	2,788.03	3/4	2,433.71	3/4	2,079.20		
5		5	4,072.23	5	3,938.65	5	3,803.92	5	3,668.75	5	3,488.10	5	3,134.75	5	2,780.65	5	2,426.33	5	2,071.81		
1/4	1/4		4,069.45	1/4	3,935.85	1/4	3,801.10	1/4	3,665.94	1/4	3,480.74	1/4	3,127.37	1/4	2,773.27	1/4	2,418.94	1/4	2,064.42		
1/2	1/2		4,066.67	1/2	3,933.05	1/2	3,798.29	1/2	3,663.12	1/2	3,473.39	1/2	3,120.00	1/2	2,765.89	1/2	2,411.56	1/2	2,057.04		
3/4	3/4		4,063.90	3/4	3,930.25	3/4	3,795.47	3/4	3,660.31	3/4	3,466.03	3/4	3,112.62	3/4	2,758.51	3/4	2,404.17	3/4	2,049.65		
6		6	4,061.12	6	3,927.44	6	3,792.65	6	3,657.49	6	3,458.68	6	3,105.25	6	2,751.13	6	2,396.78	6	2,042.27		
1/4	1/4		4,058.34	1/4	3,924.64	1/4	3,789.84	1/4	3,654.68	1/4	3,451.32	1/4	3,097.87	1/4	2,743.76	1/4	2,389.40	1/4	2,034.88		
1/2	1/2		4,055.57	1/2	3,921.84	1/2	3,787.02	1/2	3,651.86	1/2	3,443.97	1/2	3,090.50	1/2	2,736.38	1/2	2,382.01	1/2	2,027.49		
3/4	3/4		4,052.79	3/4	3,919.04	3/4	3,784.21	3/4	3,649.04	3/4	3,436.61	3/4	3,083.12	3/4	2,729.00	3/4	2,374.63	3/4	2,020.11		
7		7	4,050.01	7	3,916.24	7	3,781.39	7	3,646.23	7	3,429.25	7	3,075.74	7	2,721.62	7	2,367.24	7	2,012.72		
1/4	1/4		4,047.23	1/4	3,913.44	1/4	3,778.57	1/4	3,643.41	1/4	3,421.90	1/4	3,068.37	1/4	2,714.24	1/4	2,359.86	1/4	2,005.34		
1/2	1/2		4,044.46	1/2	3,910.63	1/2	3,775.76	1/2	3,640.60	1/2	3,414.54	1/2	3,060.99	1/2	2,706.86	1/2	2,352.47	1/2	1,997.95		
3/4	3/4		4,041.68	3/4	3,907.83	3/4	3,772.94	3/4	3,637.78	3/4	3,407.19	3/4	3,053.62	3/4	2,699.48	3/4	2,345.08	3/4	1,990.57		
8		8	4,038.91	8	3,905.03	8	3,770.13	8	3,634.96	8	3,399.83	8	3,046.24	8	2,692.11	8	2,337.70	8	1,983.18		
1/4	1/4		4,036.13	1/4	3,902.23	1/4	3,767.31	1/4	3,632.15	1/4	3,392.48	1/4	3,038.86	1/4	2,684.73	1/4	2,330.31	1/4	1,975.79		
1/2	1/2		4,033.36	1/2	3,899.43	1/2	3,764.50	1/2	3,629.33	1/2	3,385.12	1/2	3,031.49	1/2	2,677.35	1/2	2,322.93	1/2	1,968.41		
3/4	3/4		4,030.59	3/4	3,896.63	3/4	3,761.68	3/4	3,626.52	3/4	3,377.77	3/4	3,024.11	3/4	2,669.97	3/4	2,315.54	3/4	1,961.02		
9		9	4,027.81	9	3,893.82	9	3,758.86	9	3,623.70	9	3,370.41	9	3,016.74	9	2,662.59	9	2,308.15	9	1,953.64		
1/4	1/4		4,025.04	1/4	3,891.02	1/4	3,756.05	1/4	3,620.88	1/4	3,363.06	1/4	3,009.36	1/4	2,655.21	1/4	2,300.77	1/4	1,946.25		
1/2	1/2		4,022.26	1/2	3,888.22	1/2	3,753.23	1/2	3,618.07	1/2	3,355.70	1/2	3,001.98	1/2	2,647.83	1/2	2,293.38	1/2	1,938.86		
3/4	3/4		4,019.49	3/4	3,885.42	3/4	3,750.42	3/4	3,615.25	3/4	3,348.35	3/4	2,994.61	3/4	2,640.46	3/4	2,286.00	3/4	1,931.48		
10		10	4,016.71	10	3,882.62	10	3,747.60	10	3,612.44	10	3,340.99	10	2,987.23	10	2,633.08	10	2,278.61	10	1,924.09		
1/4	1/4		4,013.94	1/4	3,879.82	1/4	3,744.78	1/4	3,609.62	1/4	3,333.63	1/4	2,979.86	1/4	2,625.70	1/4	2,271.23	1/4	1,916.71		
1/2	1/2		4,011.16	1/2	3,877.02	1/2	3,741.97	1/2	3,606.80	1/2	3,326.28	1/2	2,972.48	1/2	2,618.32	1/2	2,263.84	1/2	1,909.32		
3/4	3/4		4,008.39	3/4	3,874.21	3/4	3,739.15	3/4	3,603.99	3/4	3,318.92	3/4	2,965.10	3/4	2,610.94	3/4	2,256.45	3/4	1,901.94		
11		11	4,005.62	11	3,871.41	11	3,736.34	11	3,601.17	11	3,311.57	11	2,957.73	11	2,603.56	11	2,249.07	11	1,894.55		
1/4	1/4		4,002.84	1/4	3,868.61	1/4	3,733.52	1/4	3,598.36	1/4	3,304.21	1/4	2,950.35	1/4	2,596.18	1/4	2,241.68	1/4	1,887.16		
1/2	1/2		4,000.07	1/2	3,865.81	1/2	3,730.70	1/2	3,595.54	1/2	3,296.86	1/2	2,942.98	1/2	2,588.80	1/2	2,234.30	1/2	1,879.78		
3/4	3/4		3,997.29	3/4	3,863.01	3/4	3,727.89	3/4	3,592.73	3/4	3,289.50	3/4	2,935.60	3/4	2,581.42	3/4	2,226.91	3/4	1,872.39		

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  
<http://www.pmacorp.net>



# BARGE "KIRBY 30038"

## 3 STBD ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30043"

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	1,865.01	0	1,510.49	0	1,155.97	0	802.00	0	453.08	0	103.37	0		0		0		0	
1/4	1,857.62	1/4	1,503.10	1/4	1,148.58	1/4	794.62	1/4	445.70	1/4	96.18	1/4		1/4		1/4		1/4	
1/2	1,850.24	1/2	1,495.72	1/2	1,141.20	1/2	787.23	1/2	438.31	1/2	88.92	1/2		1/2		1/2		1/2	
3/4	1,842.85	3/4	1,488.33	3/4	1,133.81	3/4	779.84	3/4	430.93	3/4	81.66	3/4		3/4		3/4		3/4	
1	1,835.46	1	1,480.95	1	1,126.43	1	772.46	1	423.54	1	74.40	1		1		1		1	
1/4	1,828.08	1/4	1,473.56	1/4	1,119.04	1/4	765.07	1/4	416.16	1/4	67.14	1/4		1/4		1/4		1/4	
1/2	1,820.69	1/2	1,466.17	1/2	1,111.66	1/2	757.69	1/2	408.77	1/2	60.47	1/2		1/2		1/2		1/2	
3/4	1,813.31	3/4	1,458.79	3/4	1,104.28	3/4	750.30	3/4	401.39	3/4	53.80	3/4		3/4		3/4		3/4	
2	1,805.92	2	1,451.40	2	1,096.90	2	742.92	2	394.00	2	47.14	2		2		2		2	
1/4	1,798.53	1/4	1,444.02	1/4	1,089.52	1/4	735.53	1/4	386.61	1/4	40.47	1/4		1/4		1/4		1/4	
1/2	1,791.15	1/2	1,436.63	1/2	1,082.14	1/2	728.15	1/2	379.23	1/2	35.39	1/2		1/2		1/2		1/2	
3/4	1,783.76	3/4	1,429.24	3/4	1,074.77	3/4	720.76	3/4	371.84	3/4	30.31	3/4		3/4		3/4		3/4	
3	1,776.38	3	1,421.86	3	1,067.39	3	713.38	3	364.46	3	25.24	3		3		3		3	
1/4	1,768.99	1/4	1,414.47	1/4	1,060.01	1/4	705.99	1/4	357.07	1/4		1/4		1/4		1/4		1/4	
1/2	1,761.61	1/2	1,407.09	1/2	1,052.64	1/2	698.75	1/2	349.69	1/2		1/2		1/2		1/2		1/2	
3/4	1,754.22	3/4	1,399.70	3/4	1,045.27	3/4	691.52	3/4	342.30	3/4		3/4		3/4		3/4		3/4	
4	1,746.83	4	1,392.32	4	1,037.89	4	684.28	4	334.92	4		4		4		4		4	
1/4	1,739.45	1/4	1,384.93	1/4	1,030.52	1/4	677.05	1/4	327.53	1/4		1/4		1/4		1/4		1/4	
1/2	1,732.06	1/2	1,377.54	1/2	1,023.15	1/2	669.86	1/2	320.14	1/2		1/2		1/2		1/2		1/2	
3/4	1,724.68	3/4	1,370.16	3/4	1,015.78	3/4	662.68	3/4	312.76	3/4		3/4		3/4		3/4		3/4	
5	1,717.29	5	1,362.77	5	1,008.41	5	655.49	5	305.37	5		5		5		5		5	
1/4	1,709.91	1/4	1,355.39	1/4	1,001.04	1/4	648.30	1/4	297.99	1/4		1/4		1/4		1/4		1/4	
1/2	1,702.52	1/2	1,348.00	1/2	993.67	1/2	641.12	1/2	290.68	1/2		1/2		1/2		1/2		1/2	
3/4	1,695.13	3/4	1,340.62	3/4	986.30	3/4	633.93	3/4	283.37	3/4		3/4		3/4		3/4		3/4	
6	1,687.75	6	1,333.23	6	978.93	6	626.75	6	276.06	6		6		6		6		6	
1/4	1,680.36	1/4	1,325.84	1/4	971.56	1/4	619.56	1/4	268.75	1/4		1/4		1/4		1/4		1/4	
1/2	1,672.98	1/2	1,318.46	1/2	964.19	1/2	612.37	1/2	261.53	1/2		1/2		1/2		1/2		1/2	
3/4	1,665.59	3/4	1,311.07	3/4	956.82	3/4	605.19	3/4	254.32	3/4		3/4		3/4		3/4		3/4	
7	1,658.20	7	1,303.69	7	949.44	7	598.00	7	247.11	7		7		7		7		7	
1/4	1,650.82	1/4	1,296.30	1/4	942.07	1/4	590.82	1/4	239.90	1/4		1/4		1/4		1/4		1/4	
1/2	1,643.43	1/2	1,288.91	1/2	934.70	1/2	583.63	1/2	232.72	1/2		1/2		1/2		1/2		1/2	
3/4	1,636.05	3/4	1,281.53	3/4	927.33	3/4	576.44	3/4	225.53	3/4		3/4		3/4		3/4		3/4	
8	1,628.66	8	1,274.14	8	919.96	8	569.26	8	218.35	8		8		8		8		8	
1/4	1,621.28	1/4	1,266.76	1/4	912.59	1/4	562.07	1/4	211.16	1/4		1/4		1/4		1/4		1/4	
1/2	1,613.89	1/2	1,259.37	1/2	905.22	1/2	554.89	1/2	203.97	1/2		1/2		1/2		1/2		1/2	
3/4	1,606.50	3/4	1,251.99	3/4	897.85	3/4	547.70	3/4	196.79	3/4		3/4		3/4		3/4		3/4	
9	1,599.12	9	1,244.60	9	890.48	9	540.51	9	189.60	9		9		9		9		9	
1/4	1,591.73	1/4	1,237.21	1/4	883.11	1/4	533.33	1/4	182.42	1/4		1/4		1/4		1/4		1/4	
1/2	1,584.35	1/2	1,229.83	1/2	875.74	1/2	526.14	1/2	175.23	1/2		1/2		1/2		1/2		1/2	
3/4	1,576.96	3/4	1,222.44	3/4	868.37	3/4	518.96	3/4	168.04	3/4		3/4		3/4		3/4		3/4	
10	1,569.57	10	1,215.06	10	861.00	10	511.77	10	160.86	10		10		10		10		10	
1/4	1,562.19	1/4	1,207.67	1/4	853.63	1/4	504.58	1/4	153.67	1/4		1/4		1/4		1/4		1/4	
1/2	1,554.80	1/2	1,200.28	1/2	846.25	1/2	497.25	1/2	146.49	1/2		1/2		1/2		1/2		1/2	
3/4	1,547.42	3/4	1,192.90	3/4	838.88	3/4	489.91	3/4	139.30	3/4		3/4		3/4		3/4		3/4	
11	1,540.03	11	1,185.51	11	831.51	11	482.58	11	132.11	11		11		11		11		11	
1/4	1,532.65	1/4	1,178.13	1/4	824.14	1/4	475.24	1/4	124.93	1/4		1/4		1/4		1/4		1/4	
1/2	1,525.26	1/2	1,170.74	1/2	816.76	1/2	467.85	1/2	117.74	1/2		1/2		1/2		1/2		1/2	
3/4	1,517.87	3/4	1,163.36	3/4	809.38	3/4	460.47	3/4	110.56	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/06/2012 CL - SW  
CALCULATED: 11/08/2012 CL  
NAME CHANGE: 05/17/2023 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2023

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
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# BARGE "KIRBY 30038"

## SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "SMI 30043"

GAUGE HEIGHT 6'-10"

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	1,223	0	2,446	0	3,670	0	4,893	0	6,116	0	7,339	0		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.

STRAPPED: 11/06/2012 CL - SW  
CALCULATED: 11/08/2012 CL  
NAME CHANGE: 05/17/2023 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2023

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 30038"

# FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "SMI 30043"

GAUGE HEIGHT 4'-05 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	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: 11/06/2012 CL - SW  
CALCULATED: 11/08/2012 CL  
NAME CHANGE: 05/17/2023 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2023

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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