



# BARGE "KIRBY 28737"

ULLAGE (MMC)  
FORMERLY "SMS 30038"

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
1 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
2 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
2 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
3 PORT	00-5/8	- 00-5/8	01-3/8	- 01-3/8	02-0/8	- 02-0/8	02-3/4	- 02-3/4	03-3/8	- 03-3/8	04-1/8	- 04-1/8
3 STBD	00-5/8	- 00-5/8	01-3/8	- 01-3/8	02-0/8	- 02-0/8	02-3/4	- 02-3/4	03-3/8	- 03-3/8	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 3 PORT, THE TRIM CORRECTED ULLAGE IS 3'-10 5/8"

LENGTH BETWEEN DRAFT MARKS: 235'-09"

May 24, 2022

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

<http://www.pmacorp.net>



# BARGE "KIRBY 28737"

## 1 PORT ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30038"

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	
0		0	5,015.59	0	4,680.32	0	4,323.39	0	3,965.30	0	3,607.19	0	3,249.09	0	2,890.95	0	2,532.65	0	2,174.36
1/4	1/4	1/4	5,011.12	1/4	4,672.92	1/4	4,315.93	1/4	3,957.84	1/4	3,599.73	1/4	3,241.63	1/4	2,883.49	1/4	2,525.19	1/4	2,166.89
1/2	1/2	1/2	5,006.65	1/2	4,665.52	1/2	4,308.48	1/2	3,950.38	1/2	3,592.27	1/2	3,234.17	1/2	2,876.02	1/2	2,517.73	1/2	2,159.43
3/4	3/4	3/4	5,002.18	3/4	4,658.12	3/4	4,301.02	3/4	3,942.92	3/4	3,584.81	3/4	3,226.71	3/4	2,868.56	3/4	2,510.26	3/4	2,151.97
1		1	4,996.64	1	4,650.69	1	4,293.56	1	3,935.45	1	3,577.35	1	3,219.25	1	2,861.09	1	2,502.80	1	2,144.50
1/4	1/4	1/4	4,991.10	1/4	4,643.26	1/4	4,286.10	1/4	3,927.99	1/4	3,569.89	1/4	3,211.79	1/4	2,853.63	1/4	2,495.33	1/4	2,137.04
1/2	1/2	1/2	4,985.57	1/2	4,635.83	1/2	4,278.64	1/2	3,920.53	1/2	3,562.43	1/2	3,204.33	1/2	2,846.16	1/2	2,487.87	1/2	2,129.57
3/4	3/4	3/4	4,980.03	3/4	4,628.41	3/4	4,271.18	3/4	3,913.07	3/4	3,554.97	3/4	3,196.87	3/4	2,838.70	3/4	2,480.40	3/4	2,122.11
2		2	4,973.43	2	4,620.97	2	4,263.72	2	3,905.61	2	3,547.51	2	3,189.40	2	2,831.23	2	2,472.94	2	2,114.64
1/4	1/4	1/4	4,966.83	1/4	4,613.53	1/4	4,256.26	1/4	3,898.15	1/4	3,540.05	1/4	3,181.94	1/4	2,823.77	1/4	2,465.47	1/4	2,107.18
1/2	1/2	1/2	4,960.22	1/2	4,606.09	1/2	4,248.80	1/2	3,890.69	1/2	3,532.59	1/2	3,174.48	1/2	2,816.31	1/2	2,458.01	1/2	2,099.71
3/4	3/4	3/4	4,953.62	3/4	4,598.65	3/4	4,241.34	3/4	3,883.23	3/4	3,525.13	3/4	3,167.02	3/4	2,808.84	3/4	2,450.55	3/4	2,092.25
3		3	4,946.35	3	4,591.21	3	4,233.87	3	3,875.77	3	3,517.67	3	3,159.56	3	2,801.38	3	2,443.08	3	2,084.78
1/4	1/4	1/4	4,939.08	1/4	4,583.77	1/4	4,226.41	1/4	3,868.31	1/4	3,510.21	1/4	3,152.10	1/4	2,793.91	1/4	2,435.62	1/4	2,077.32
1/2	1/2	1/2	4,931.81	1/2	4,576.33	1/2	4,218.95	1/2	3,860.85	1/2	3,502.75	1/2	3,144.64	1/2	2,786.45	1/2	2,428.15	1/2	2,069.86
3/4	3/4	3/4	4,924.54	3/4	4,568.90	3/4	4,211.49	3/4	3,853.39	3/4	3,495.29	3/4	3,137.18	3/4	2,778.98	3/4	2,420.69	3/4	2,062.39
4		4	4,917.14	4	4,561.46	4	4,204.03	4	3,845.93	4	3,487.82	4	3,129.72	4	2,771.52	4	2,413.22	4	2,054.93
1/4	1/4	1/4	4,909.74	1/4	4,554.02	1/4	4,196.57	1/4	3,838.47	1/4	3,480.36	1/4	3,122.26	1/4	2,764.05	1/4	2,405.76	1/4	2,047.46
1/2	1/2	1/2	4,902.33	1/2	4,546.58	1/2	4,189.11	1/2	3,831.01	1/2	3,472.90	1/2	3,114.80	1/2	2,756.59	1/2	2,398.29	1/2	2,040.00
3/4	3/4	3/4	4,894.93	3/4	4,539.14	3/4	4,181.65	3/4	3,823.55	3/4	3,465.44	3/4	3,107.34	3/4	2,749.13	3/4	2,390.83	3/4	2,032.53
5		5	4,887.53	5	4,531.70	5	4,174.19	5	3,816.09	5	3,457.98	5	3,099.88	5	2,741.66	5	2,383.36	5	2,025.07
1/4	1/4	1/4	4,880.12	1/4	4,524.26	1/4	4,166.73	1/4	3,808.63	1/4	3,450.52	1/4	3,092.42	1/4	2,734.20	1/4	2,375.90	1/4	2,017.60
1/2	1/2	1/2	4,872.72	1/2	4,516.82	1/2	4,159.27	1/2	3,801.17	1/2	3,443.06	1/2	3,084.96	1/2	2,726.73	1/2	2,368.44	1/2	2,010.14
3/4	3/4	3/4	4,865.32	3/4	4,509.38	3/4	4,151.81	3/4	3,793.71	3/4	3,435.60	3/4	3,077.50	3/4	2,719.27	3/4	2,360.97	3/4	2,002.68
6		6	4,857.91	6	4,501.94	6	4,144.35	6	3,786.24	6	3,428.14	6	3,070.04	6	2,711.80	6	2,353.51	6	1,995.21
1/4	1/4	1/4	4,850.51	1/4	4,494.51	1/4	4,136.89	1/4	3,778.78	1/4	3,420.68	1/4	3,062.58	1/4	2,704.34	1/4	2,346.04	1/4	1,987.75
1/2	1/2	1/2	4,843.11	1/2	4,487.07	1/2	4,129.43	1/2	3,771.32	1/2	3,413.22	1/2	3,055.12	1/2	2,696.87	1/2	2,338.58	1/2	1,980.28
3/4	3/4	3/4	4,835.70	3/4	4,479.63	3/4	4,121.97	3/4	3,763.86	3/4	3,405.76	3/4	3,047.66	3/4	2,689.41	3/4	2,331.11	3/4	1,972.82
7		7	4,828.30	7	4,472.19	7	4,114.51	7	3,756.40	7	3,398.30	7	3,040.19	7	2,681.94	7	2,323.65	7	1,965.35
1/4	1/4	1/4	4,820.90	1/4	4,464.75	1/4	4,107.05	1/4	3,748.94	1/4	3,390.84	1/4	3,032.73	1/4	2,674.48	1/4	2,316.18	1/4	1,957.89
1/2	1/2	1/2	4,813.50	1/2	4,457.31	1/2	4,099.59	1/2	3,741.48	1/2	3,383.38	1/2	3,025.27	1/2	2,667.02	1/2	2,308.72	1/2	1,950.42
3/4	3/4	3/4	4,806.10	3/4	4,449.87	3/4	4,092.13	3/4	3,734.02	3/4	3,375.92	3/4	3,017.81	3/4	2,659.55	3/4	2,301.26	3/4	1,942.96
8		8	4,798.70	8	4,442.43	8	4,084.66	8	3,726.56	8	3,368.46	8	3,010.35	8	2,652.09	8	2,293.79	8	1,935.49
1/4	1/4	1/4	4,791.30	1/4	4,434.99	1/4	4,077.20	1/4	3,719.10	1/4	3,361.00	1/4	3,002.89	1/4	2,644.62	1/4	2,286.33	1/4	1,928.03
1/2	1/2	1/2	4,783.90	1/2	4,427.56	1/2	4,069.74	1/2	3,711.64	1/2	3,353.54	1/2	2,995.43	1/2	2,637.16	1/2	2,278.86	1/2	1,920.57
3/4	3/4	3/4	4,776.51	3/4	4,420.12	3/4	4,062.28	3/4	3,704.18	3/4	3,346.08	3/4	2,987.97	3/4	2,629.69	3/4	2,271.40	3/4	1,913.10
9		9	4,769.11	9	4,412.68	9	4,054.82	9	3,696.72	9	3,338.61	9	2,980.51	9	2,622.23	9	2,263.93	9	1,905.64
1/4	1/4	1/4	4,761.71	1/4	4,405.24	1/4	4,047.36	1/4	3,689.26	1/4	3,331.15	1/4	2,973.05	1/4	2,614.76	1/4	2,256.47	1/4	1,898.17
1/2	1/2	1/2	4,754.31	1/2	4,397.80	1/2	4,039.90	1/2	3,681.80	1/2	3,323.69	1/2	2,965.59	1/2	2,607.30	1/2	2,249.00	1/2	1,890.71
3/4	3/4	3/4	4,746.91	3/4	4,390.36	3/4	4,032.44	3/4	3,674.34	3/4	3,316.23	3/4	2,958.13	3/4	2,599.84	3/4	2,241.54	3/4	1,883.24
10		10	4,739.51	10	4,382.92	10	4,024.98	10	3,666.88	10	3,308.77	10	2,950.67	10	2,592.37	10	2,234.07	10	1,875.78
1/4	1/4	1/4	4,732.11	1/4	4,375.48	1/4	4,017.52	1/4	3,659.42	1/4	3,301.31	1/4	2,943.21	1/4	2,584.91	1/4	2,226.61	1/4	1,868.31
1/2	1/2	1/2	4,724.71	1/2	4,368.04	1/2	4,010.06	1/2	3,651.96	1/2	3,293.85	1/2	2,935.75	1/2	2,577.44	1/2	2,219.15	1/2	1,860.85
3/4	3/4	3/4	4,717.31	3/4	4,360.61	3/4	4,002.60	3/4	3,644.50	3/4	3,286.39	3/4	2,928.29	3/4	2,569.98	3/4	2,211.68	3/4	1,853.39
11		11	4,709.91	11	4,353.17	11	3,995.14	11	3,637.03	11	3,278.93	11	2,920.82	11	2,562.51	11	2,204.22	11	1,845.92
1/4	1/4	1/4	4,702.51	1/4	4,345.73	1/4	3,987.68	1/4	3,629.57	1/4	3,271.47	1/4	2,913.35	1/4	2,555.05	1/4	2,196.75	1/4	1,838.46
1/2	1/2	1/2	4,695.12	1/2	4,338.29	1/2	3,980.22	1/2	3,622.11	1/2	3,264.01	1/2	2,905.88	1/2	2,547.58	1/2	2,189.29	1/2	1,830.99
3/4	3/4	3/4	4,687.72	3/4	4,330.85	3/4	3,972.76	3/4	3,614.65	3/4	3,256.55	3/4	2,898.42	3/4	2,540.12	3/4	2,181.82	3/4	1,823.53

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  
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# BARGE "KIRBY 28737"

## 1 PORT ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30038"

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	1,816.06	0	1,457.77	0	1,099.59	0	743.38	0	387.98	0	71.93	0		0		0		0	
1/4	1,808.60	1/4	1,450.30	1/4	1,092.15	1/4	735.92	1/4	380.89	1/4	65.90	1/4		1/4		1/4		1/4	
1/2	1,801.13	1/2	1,442.84	1/2	1,084.72	1/2	728.46	1/2	373.80	1/2	59.86	1/2		1/2		1/2		1/2	
3/4	1,793.67	3/4	1,435.37	3/4	1,077.28	3/4	720.99	3/4	366.71	3/4	53.83	3/4		3/4		3/4		3/4	
1	1,786.20	1	1,427.91	1	1,069.86	1	713.53	1	359.71	1	48.58	1		1		1		1	
1/4	1,778.74	1/4	1,420.44	1/4	1,062.43	1/4	706.06	1/4	352.70	1/4	43.34	1/4		1/4		1/4		1/4	
1/2	1,771.28	1/2	1,412.98	1/2	1,055.01	1/2	698.60	1/2	345.70	1/2	38.09	1/2		1/2		1/2		1/2	
3/4	1,763.81	3/4	1,405.52	3/4	1,047.59	3/4	691.13	3/4	338.70	3/4	32.84	3/4		3/4		3/4		3/4	
2	1,756.35	2	1,398.05	2	1,040.16	2	683.67	2	331.78	2	29.32	2		2		2		2	
1/4	1,748.88	1/4	1,390.59	1/4	1,032.74	1/4	676.21	1/4	324.87	1/4	25.79	1/4		1/4		1/4		1/4	
1/2	1,741.42	1/2	1,383.12	1/2	1,025.32	1/2	668.74	1/2	317.96	1/2	22.27	1/2		1/2		1/2		1/2	
3/4	1,733.95	3/4	1,375.66	3/4	1,017.90	3/4	661.28	3/4	311.04	3/4		3/4		3/4		3/4		3/4	
3	1,726.49	3	1,368.19	3	1,010.49	3	653.81	3	304.21	3		3		3		3		3	
1/4	1,719.02	1/4	1,360.73	1/4	1,003.07	1/4	646.35	1/4	297.39	1/4		1/4		1/4		1/4		1/4	
1/2	1,711.56	1/2	1,353.26	1/2	995.66	1/2	638.88	1/2	290.56	1/2		1/2		1/2		1/2		1/2	
3/4	1,704.10	3/4	1,345.80	3/4	988.24	3/4	631.42	3/4	283.74	3/4		3/4		3/4		3/4		3/4	
4	1,696.63	4	1,338.33	4	980.83	4	623.96	4	277.00	4		4		4		4		4	
1/4	1,689.17	1/4	1,330.87	1/4	973.41	1/4	616.49	1/4	270.26	1/4		1/4		1/4		1/4		1/4	
1/2	1,681.70	1/2	1,323.41	1/2	966.00	1/2	609.03	1/2	263.52	1/2		1/2		1/2		1/2		1/2	
3/4	1,674.24	3/4	1,315.94	3/4	958.58	3/4	601.56	3/4	256.78	3/4		3/4		3/4		3/4		3/4	
5	1,666.77	5	1,308.48	5	951.17	5	594.10	5	250.13	5		5		5		5		5	
1/4	1,659.31	1/4	1,301.01	1/4	943.76	1/4	586.63	1/4	243.48	1/4		1/4		1/4		1/4		1/4	
1/2	1,651.84	1/2	1,293.55	1/2	936.34	1/2	579.17	1/2	236.83	1/2		1/2		1/2		1/2		1/2	
3/4	1,644.38	3/4	1,286.08	3/4	928.93	3/4	571.70	3/4	230.18	3/4		3/4		3/4		3/4		3/4	
6	1,636.91	6	1,278.62	6	921.52	6	564.24	6	223.62	6		6		6		6		6	
1/4	1,629.45	1/4	1,271.15	1/4	914.10	1/4	556.78	1/4	217.06	1/4		1/4		1/4		1/4		1/4	
1/2	1,621.99	1/2	1,263.69	1/2	906.69	1/2	549.31	1/2	210.49	1/2		1/2		1/2		1/2		1/2	
3/4	1,614.52	3/4	1,256.23	3/4	899.28	3/4	541.85	3/4	203.93	3/4		3/4		3/4		3/4		3/4	
7	1,607.06	7	1,248.76	7	891.86	7	534.38	7	197.46	7		7		7		7		7	
1/4	1,599.59	1/4	1,241.30	1/4	884.45	1/4	526.92	1/4	190.98	1/4		1/4		1/4		1/4		1/4	
1/2	1,592.13	1/2	1,233.83	1/2	877.03	1/2	519.45	1/2	184.51	1/2		1/2		1/2		1/2		1/2	
3/4	1,584.66	3/4	1,226.37	3/4	869.62	3/4	511.99	3/4	178.03	3/4		3/4		3/4		3/4		3/4	
8	1,577.20	8	1,218.90	8	862.21	8	504.56	8	171.65	8		8		8		8		8	
1/4	1,569.73	1/4	1,211.44	1/4	854.79	1/4	497.13	1/4	165.26	1/4		1/4		1/4		1/4		1/4	
1/2	1,562.27	1/2	1,203.97	1/2	847.38	1/2	489.70	1/2	158.88	1/2		1/2		1/2		1/2		1/2	
3/4	1,554.81	3/4	1,196.51	3/4	839.97	3/4	482.26	3/4	152.49	3/4		3/4		3/4		3/4		3/4	
9	1,547.34	9	1,189.04	9	832.55	9	474.91	9	146.19	9		9		9		9		9	
1/4	1,539.88	1/4	1,181.58	1/4	825.14	1/4	467.56	1/4	139.89	1/4		1/4		1/4		1/4		1/4	
1/2	1,532.41	1/2	1,174.12	1/2	817.72	1/2	460.20	1/2	133.59	1/2		1/2		1/2		1/2		1/2	
3/4	1,524.95	3/4	1,166.65	3/4	810.31	3/4	452.85	3/4	127.30	3/4		3/4		3/4		3/4		3/4	
10	1,517.48	10	1,159.19	10	802.90	10	445.58	10	121.09	10		10		10		10		10	
1/4	1,510.02	1/4	1,151.72	1/4	795.48	1/4	438.31	1/4	114.88	1/4		1/4		1/4		1/4		1/4	
1/2	1,502.55	1/2	1,144.26	1/2	788.07	1/2	431.05	1/2	108.67	1/2		1/2		1/2		1/2		1/2	
3/4	1,495.09	3/4	1,136.79	3/4	780.66	3/4	423.78	3/4	102.46	3/4		3/4		3/4		3/4		3/4	
11	1,487.62	11	1,129.35	11	773.20	11	416.60	11	96.33	11		11		11		11		11	
1/4	1,480.16	1/4	1,121.91	1/4	765.75	1/4	409.43	1/4	90.21	1/4		1/4		1/4		1/4		1/4	
1/2	1,472.70	1/2	1,114.47	1/2	758.30	1/2	402.25	1/2	84.09	1/2		1/2		1/2		1/2		1/2	
3/4	1,465.23	3/4	1,107.02	3/4	750.85	3/4	395.07	3/4	77.97	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/17/2012 CL - SW  
CALCULATED: 09/18/2012 CL  
NAME CHANGE: 05/24/2022 PMA

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2022

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



# BARGE "KIRBY 28737"

## 1 STBD ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30038"

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	4,695.00	0	4,337.71	0	3,979.20	0	3,620.66	0	3,262.12	0	2,903.57	0	2,544.84	0	2,186.11		
1/4	1/4	5,023.27	4,687.60	1/4	4,330.25	1/4	3,971.73	1/4	3,613.19	1/4	3,254.65	1/4	2,896.10	1/4	2,537.37	1/4	2,178.64		
1/2	1/2	5,018.79	4,680.19	1/2	4,322.78	1/2	3,964.26	1/2	3,605.72	1/2	3,247.18	1/2	2,888.62	1/2	2,529.89	1/2	2,171.17		
3/4	3/4	5,014.32	4,672.78	3/4	4,315.32	3/4	3,956.79	3/4	3,598.25	3/4	3,239.71	3/4	2,881.15	3/4	2,522.42	3/4	2,163.69		
1	1	5,009.84	4,665.37	1	4,307.85	1	3,949.32	1	3,590.78	1	3,232.25	1	2,873.68	1	2,514.95	1	2,156.22		
1/4	1/4	5,004.30	4,657.93	1/4	4,300.38	1/4	3,941.85	1/4	3,583.31	1/4	3,224.78	1/4	2,866.20	1/4	2,507.47	1/4	2,148.75		
1/2	1/2	4,998.76	4,650.50	1/2	4,292.91	1/2	3,934.38	1/2	3,575.84	1/2	3,217.31	1/2	2,858.73	1/2	2,500.00	1/2	2,141.27		
3/4	3/4	4,993.21	4,643.06	3/4	4,285.44	3/4	3,926.91	3/4	3,568.37	3/4	3,209.84	3/4	2,851.25	3/4	2,492.53	3/4	2,133.80		
2	2	4,987.67	4,635.62	2	4,277.98	2	3,919.44	2	3,560.90	2	3,202.37	2	2,843.78	2	2,485.05	2	2,126.33		
1/4	1/4	4,981.06	4,628.17	1/4	4,270.51	1/4	3,911.97	1/4	3,553.43	1/4	3,194.90	1/4	2,836.31	1/4	2,477.58	1/4	2,118.85		
1/2	1/2	4,974.45	4,620.73	1/2	4,263.04	1/2	3,904.50	1/2	3,545.96	1/2	3,187.43	1/2	2,828.83	1/2	2,470.11	1/2	2,111.38		
3/4	3/4	4,967.84	4,613.28	3/4	4,255.57	3/4	3,897.03	3/4	3,538.49	3/4	3,179.96	3/4	2,821.36	3/4	2,462.63	3/4	2,103.90		
3	3	4,961.23	4,605.83	3	4,248.10	3	3,889.56	3	3,531.03	3	3,172.49	3	2,813.89	3	2,455.16	3	2,096.43		
1/4	1/4	4,953.95	4,598.38	1/4	4,240.63	1/4	3,882.09	1/4	3,523.56	1/4	3,165.02	1/4	2,806.41	1/4	2,447.69	1/4	2,088.96		
1/2	1/2	4,946.67	4,590.93	1/2	4,233.16	1/2	3,874.62	1/2	3,516.09	1/2	3,157.55	1/2	2,798.94	1/2	2,440.21	1/2	2,081.48		
3/4	3/4	4,939.39	4,583.49	3/4	4,225.69	3/4	3,867.15	3/4	3,508.62	3/4	3,150.08	3/4	2,791.47	3/4	2,432.74	3/4	2,074.01		
4	4	4,932.11	4,576.04	4	4,218.22	4	3,859.68	4	3,501.15	4	3,142.61	4	2,783.99	4	2,425.27	4	2,066.54		
1/4	1/4	4,924.70	4,568.59	1/4	4,210.75	1/4	3,852.21	1/4	3,493.68	1/4	3,135.14	1/4	2,776.52	1/4	2,417.79	1/4	2,059.06		
1/2	1/2	4,917.29	4,561.14	1/2	4,203.28	1/2	3,844.74	1/2	3,486.21	1/2	3,127.67	1/2	2,769.05	1/2	2,410.32	1/2	2,051.59		
3/4	3/4	4,909.88	4,553.70	3/4	4,195.81	3/4	3,837.27	3/4	3,478.74	3/4	3,120.20	3/4	2,761.57	3/4	2,402.84	3/4	2,044.12		
5	5	4,902.47	4,546.25	5	4,188.34	5	3,829.81	5	3,471.27	5	3,112.73	5	2,754.10	5	2,395.37	5	2,036.64		
1/4	1/4	4,895.05	4,538.80	1/4	4,180.87	1/4	3,822.34	1/4	3,463.80	1/4	3,105.26	1/4	2,746.63	1/4	2,387.90	1/4	2,029.17		
1/2	1/2	4,887.64	4,531.35	1/2	4,173.40	1/2	3,814.87	1/2	3,456.33	1/2	3,097.79	1/2	2,739.15	1/2	2,380.42	1/2	2,021.70		
3/4	3/4	4,880.23	4,523.90	3/4	4,165.93	3/4	3,807.40	3/4	3,448.86	3/4	3,090.32	3/4	2,731.68	3/4	2,372.95	3/4	2,014.22		
6	6	4,872.82	4,516.46	6	4,158.46	6	3,799.93	6	3,441.39	6	3,082.86	6	2,724.21	6	2,365.48	6	2,006.75		
1/4	1/4	4,865.40	4,509.01	1/4	4,150.99	1/4	3,792.46	1/4	3,433.92	1/4	3,075.39	1/4	2,716.73	1/4	2,358.00	1/4	1,999.28		
1/2	1/2	4,857.99	4,501.56	1/2	4,143.52	1/2	3,784.99	1/2	3,426.45	1/2	3,067.92	1/2	2,709.26	1/2	2,350.53	1/2	1,991.80		
3/4	3/4	4,850.58	4,494.11	3/4	4,136.05	3/4	3,777.52	3/4	3,418.98	3/4	3,060.45	3/4	2,701.78	3/4	2,343.06	3/4	1,984.33		
7	7	4,843.17	4,486.67	7	4,128.59	7	3,770.05	7	3,411.51	7	3,052.98	7	2,694.31	7	2,335.58	7	1,976.86		
1/4	1/4	4,835.76	4,479.22	1/4	4,121.12	1/4	3,762.58	1/4	3,404.04	1/4	3,045.51	1/4	2,686.84	1/4	2,328.11	1/4	1,969.38		
1/2	1/2	4,828.35	4,471.77	1/2	4,113.65	1/2	3,755.11	1/2	3,396.57	1/2	3,038.04	1/2	2,679.36	1/2	2,320.64	1/2	1,961.91		
3/4	3/4	4,820.94	4,464.32	3/4	4,106.18	3/4	3,747.64	3/4	3,389.10	3/4	3,030.57	3/4	2,671.89	3/4	2,313.16	3/4	1,954.43		
8	8	4,813.53	4,456.87	8	4,098.71	8	3,740.17	8	3,381.64	8	3,023.10	8	2,664.42	8	2,305.69	8	1,946.96		
1/4	1/4	4,806.12	4,449.43	1/4	4,091.24	1/4	3,732.70	1/4	3,374.17	1/4	3,015.63	1/4	2,656.94	1/4	2,298.22	1/4	1,939.49		
1/2	1/2	4,798.72	4,441.98	1/2	4,083.77	1/2	3,725.23	1/2	3,366.70	1/2	3,008.16	1/2	2,649.47	1/2	2,290.74	1/2	1,932.01		
3/4	3/4	4,791.31	4,434.53	3/4	4,076.30	3/4	3,717.76	3/4	3,359.23	3/4	3,000.69	3/4	2,642.00	3/4	2,283.27	3/4	1,924.54		
9	9	4,783.90	4,427.08	9	4,068.83	9	3,710.29	9	3,351.76	9	2,993.22	9	2,634.52	9	2,275.80	9	1,917.07		
1/4	1/4	4,776.49	4,419.64	1/4	4,061.36	1/4	3,702.82	1/4	3,344.29	1/4	2,985.75	1/4	2,627.05	1/4	2,268.32	1/4	1,909.59		
1/2	1/2	4,769.08	4,412.19	1/2	4,053.89	1/2	3,695.35	1/2	3,336.82	1/2	2,978.28	1/2	2,619.58	1/2	2,260.85	1/2	1,902.12		
3/4	3/4	4,761.68	4,404.74	3/4	4,046.42	3/4	3,687.88	3/4	3,329.35	3/4	2,970.81	3/4	2,612.10	3/4	2,253.37	3/4	1,894.65		
10	10	4,754.27	4,397.29	10	4,038.95	10	3,680.42	10	3,321.88	10	2,963.34	10	2,604.63	10	2,245.90	10	1,887.17		
1/4	1/4	4,746.86	4,389.84	1/4	4,031.48	1/4	3,672.95	1/4	3,314.41	1/4	2,955.87	1/4	2,597.16	1/4	2,238.43	1/4	1,879.70		
1/2	1/2	4,739.45	4,382.40	1/2	4,024.01	1/2	3,665.48	1/2	3,306.94	1/2	2,948.40	1/2	2,589.68	1/2	2,230.95	1/2	1,872.23		
3/4	3/4	4,732.04	4,374.95	3/4	4,016.54	3/4	3,658.01	3/4	3,299.47	3/4	2,940.93	3/4	2,582.21	3/4	2,223.48	3/4	1,864.75		
11	11	4,724.64	4,367.50	11	4,009.07	11	3,650.54	11	3,292.00	11	2,933.47	11	2,574.74	11	2,216.01	11	1,857.28		
1/4	1/4	4,717.23	4,360.05	1/4	4,001.60	1/4	3,643.07	1/4	3,284.53	1/4	2,925.99	1/4	2,567.26	1/4	2,208.53	1/4	1,849.81		
1/2	1/2	4,709.82	4,352.61	1/2	3,994.13	1/2	3,635.60	1/2	3,277.06	1/2	2,918.52	1/2	2,559.79	1/2	2,201.06	1/2	1,842.33		
3/4	3/4	4,702.41	4,345.16	3/4	3,986.66	3/4	3,628.13	3/4	3,269.59	3/4	2,911.04	3/4	2,552.31	3/4	2,193.59	3/4	1,834.86		

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 28737"

## 1 STBD ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30038"

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	1,827.39	0	1,468.66	0	1,109.93	0	751.70	0	395.55	0	78.06	0		0		0		0	
1/4	1,819.91	1/4	1,461.18	1/4	1,102.46	1/4	744.22	1/4	388.45	1/4	72.02	1/4		1/4		1/4		1/4	
1/2	1,812.44	1/2	1,453.71	1/2	1,094.98	1/2	736.75	1/2	381.35	1/2	65.98	1/2		1/2		1/2		1/2	
3/4	1,804.96	3/4	1,446.24	3/4	1,087.51	3/4	729.28	3/4	374.25	3/4	59.93	3/4		3/4		3/4		3/4	
1	1,797.49	1	1,438.76	1	1,080.04	1	721.80	1	367.15	1	53.89	1		1		1		1	
1/4	1,790.02	1/4	1,431.29	1/4	1,072.57	1/4	714.33	1/4	360.14	1/4	48.64	1/4		1/4		1/4		1/4	
1/2	1,782.54	1/2	1,423.82	1/2	1,065.10	1/2	706.86	1/2	353.13	1/2	43.39	1/2		1/2		1/2		1/2	
3/4	1,775.07	3/4	1,416.34	3/4	1,057.63	3/4	699.38	3/4	346.12	3/4	38.13	3/4		3/4		3/4		3/4	
2	1,767.60	2	1,408.87	2	1,050.16	2	691.91	2	339.11	2	32.88	2		2		2		2	
1/4	1,760.12	1/4	1,401.40	1/4	1,042.69	1/4	684.44	1/4	332.19	1/4	29.35	1/4		1/4		1/4		1/4	
1/2	1,752.65	1/2	1,393.92	1/2	1,035.23	1/2	676.96	1/2	325.26	1/2	25.82	1/2		1/2		1/2		1/2	
3/4	1,745.18	3/4	1,386.45	3/4	1,027.76	3/4	669.49	3/4	318.34	3/4	22.30	3/4		3/4		3/4		3/4	
3	1,737.70	3	1,378.98	3	1,020.29	3	662.02	3	311.42	3		3		3		3		3	
1/4	1,730.23	1/4	1,371.50	1/4	1,012.83	1/4	654.54	1/4	304.58	1/4		1/4		1/4		1/4		1/4	
1/2	1,722.76	1/2	1,364.03	1/2	1,005.37	1/2	647.07	1/2	297.75	1/2		1/2		1/2		1/2		1/2	
3/4	1,715.28	3/4	1,356.55	3/4	997.91	3/4	639.60	3/4	290.91	3/4		3/4		3/4		3/4		3/4	
4	1,707.81	4	1,349.08	4	990.45	4	632.12	4	284.08	4		4		4		4		4	
1/4	1,700.34	1/4	1,341.61	1/4	982.99	1/4	624.65	1/4	277.33	1/4		1/4		1/4		1/4		1/4	
1/2	1,692.86	1/2	1,334.13	1/2	975.53	1/2	617.18	1/2	270.59	1/2		1/2		1/2		1/2		1/2	
3/4	1,685.39	3/4	1,326.66	3/4	968.07	3/4	609.70	3/4	263.84	3/4		3/4		3/4		3/4		3/4	
5	1,677.92	5	1,319.19	5	960.61	5	602.23	5	257.09	5		5		5		5		5	
1/4	1,670.44	1/4	1,311.71	1/4	953.15	1/4	594.76	1/4	250.44	1/4		1/4		1/4		1/4		1/4	
1/2	1,662.97	1/2	1,304.24	1/2	945.69	1/2	587.28	1/2	243.78	1/2		1/2		1/2		1/2		1/2	
3/4	1,655.49	3/4	1,296.77	3/4	938.23	3/4	579.81	3/4	237.12	3/4		3/4		3/4		3/4		3/4	
6	1,648.02	6	1,289.29	6	930.77	6	572.34	6	230.46	6		6		6		6		6	
1/4	1,640.55	1/4	1,281.82	1/4	923.31	1/4	564.87	1/4	223.89	1/4		1/4		1/4		1/4		1/4	
1/2	1,633.07	1/2	1,274.35	1/2	915.85	1/2	557.40	1/2	217.32	1/2		1/2		1/2		1/2		1/2	
3/4	1,625.60	3/4	1,266.87	3/4	908.39	3/4	549.93	3/4	210.75	3/4		3/4		3/4		3/4		3/4	
7	1,618.13	7	1,259.40	7	900.93	7	542.47	7	204.18	7		7		7		7		7	
1/4	1,610.65	1/4	1,251.93	1/4	893.47	1/4	535.00	1/4	197.70	1/4		1/4		1/4		1/4		1/4	
1/2	1,603.18	1/2	1,244.45	1/2	886.01	1/2	527.54	1/2	191.21	1/2		1/2		1/2		1/2		1/2	
3/4	1,595.71	3/4	1,236.98	3/4	878.55	3/4	520.07	3/4	184.73	3/4		3/4		3/4		3/4		3/4	
8	1,588.23	8	1,229.51	8	871.09	8	512.60	8	178.25	8		8		8		8		8	
1/4	1,580.76	1/4	1,222.03	1/4	863.63	1/4	505.17	1/4	171.86	1/4		1/4		1/4		1/4		1/4	
1/2	1,573.29	1/2	1,214.56	1/2	856.17	1/2	497.73	1/2	165.46	1/2		1/2		1/2		1/2		1/2	
3/4	1,565.81	3/4	1,207.08	3/4	848.71	3/4	490.29	3/4	159.07	3/4		3/4		3/4		3/4		3/4	
9	1,558.34	9	1,199.61	9	841.25	9	482.85	9	152.67	9		9		9		9		9	
1/4	1,550.87	1/4	1,192.14	1/4	833.79	1/4	475.49	1/4	146.37	1/4		1/4		1/4		1/4		1/4	
1/2	1,543.39	1/2	1,184.66	1/2	826.33	1/2	468.12	1/2	140.06	1/2		1/2		1/2		1/2		1/2	
3/4	1,535.92	3/4	1,177.19	3/4	818.87	3/4	460.76	3/4	133.76	3/4		3/4		3/4		3/4		3/4	
10	1,528.45	10	1,169.72	10	811.42	10	453.40	10	127.45	10		10		10		10		10	
1/4	1,520.97	1/4	1,162.24	1/4	803.96	1/4	446.12	1/4	121.23	1/4		1/4		1/4		1/4		1/4	
1/2	1,513.50	1/2	1,154.77	1/2	796.50	1/2	438.85	1/2	115.01	1/2		1/2		1/2		1/2		1/2	
3/4	1,506.02	3/4	1,147.30	3/4	789.04	3/4	431.57	3/4	108.80	3/4		3/4		3/4		3/4		3/4	
11	1,498.55	11	1,139.82	11	781.58	11	424.30	11	102.58	11		11		11		11		11	
1/4	1,491.08	1/4	1,132.35	1/4	774.11	1/4	417.11	1/4	96.45	1/4		1/4		1/4		1/4		1/4	
1/2	1,483.60	1/2	1,124.88	1/2	766.64	1/2	409.92	1/2	90.32	1/2		1/2		1/2		1/2		1/2	
3/4	1,476.13	3/4	1,117.40	3/4	759.17	3/4	402.74	3/4	84.19	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/17/2012 CL - SW  
CALCULATED: 09/18/2012 CL  
NAME CHANGE: 05/24/2022 PMA

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2022

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



# BARGE "KIRBY 28737"

## 2 PORT ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30038"

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.	
0	0	5,079.74	0	4,740.39	0	4,382.20	0	4,022.88	0	3,663.56	0	3,304.23	0	2,944.88	0	2,585.36	0	2,225.85	
1/4	1/4	5,075.26	1/4	4,732.97	1/4	4,374.71	1/4	4,015.40	1/4	3,656.07	1/4	3,296.75	1/4	2,937.39	1/4	2,577.87	1/4	2,218.36	
1/2	1/2	5,070.77	1/2	4,725.54	1/2	4,367.23	1/2	4,007.91	1/2	3,648.59	1/2	3,289.26	1/2	2,929.90	1/2	2,570.38	1/2	2,210.87	
3/4	3/4	5,065.22	3/4	4,718.09	3/4	4,359.75	3/4	4,000.42	3/4	3,641.10	3/4	3,281.78	3/4	2,922.41	3/4	2,562.89	3/4	2,203.38	
1	1	5,059.66	1	4,710.63	1	4,352.26	1	3,992.94	1	3,633.61	1	3,274.29	1	2,914.92	1	2,555.40	1	2,195.89	
1/4	1/4	5,054.10	1/4	4,703.18	1/4	4,344.78	1/4	3,985.45	1/4	3,626.13	1/4	3,266.81	1/4	2,907.43	1/4	2,547.92	1/4	2,188.40	
1/2	1/2	5,048.55	1/2	4,695.73	1/2	4,337.29	1/2	3,977.97	1/2	3,618.64	1/2	3,259.32	1/2	2,899.94	1/2	2,540.43	1/2	2,180.91	
3/4	3/4	5,041.92	3/4	4,688.26	3/4	4,329.80	3/4	3,970.48	3/4	3,611.16	3/4	3,251.83	3/4	2,892.45	3/4	2,532.94	3/4	2,173.42	
2	2	5,035.30	2	4,680.80	2	4,322.32	2	3,962.99	2	3,603.67	2	3,244.35	2	2,884.96	2	2,525.45	2	2,165.93	
1/4	1/4	5,028.67	1/4	4,673.33	1/4	4,314.83	1/4	3,955.51	1/4	3,596.19	1/4	3,236.86	1/4	2,877.47	1/4	2,517.96	1/4	2,158.44	
1/2	1/2	5,022.05	1/2	4,665.87	1/2	4,307.35	1/2	3,948.02	1/2	3,588.70	1/2	3,229.38	1/2	2,869.98	1/2	2,510.47	1/2	2,150.95	
3/4	3/4	5,014.76	3/4	4,658.41	3/4	4,299.86	3/4	3,940.54	3/4	3,581.21	3/4	3,221.89	3/4	2,862.49	3/4	2,502.98	3/4	2,143.46	
3	3	5,007.46	3	4,650.94	3	4,292.37	3	3,933.05	3	3,573.73	3	3,214.40	3	2,855.00	3	2,495.49	3	2,135.97	
1/4	1/4	5,000.17	1/4	4,643.48	1/4	4,284.89	1/4	3,925.56	1/4	3,566.24	1/4	3,206.92	1/4	2,847.51	1/4	2,488.00	1/4	2,128.48	
1/2	1/2	4,992.87	1/2	4,636.01	1/2	4,277.40	1/2	3,918.08	1/2	3,558.76	1/2	3,199.43	1/2	2,840.02	1/2	2,480.51	1/2	2,120.99	
3/4	3/4	4,985.45	3/4	4,628.55	3/4	4,269.92	3/4	3,910.59	3/4	3,551.27	3/4	3,191.95	3/4	2,832.53	3/4	2,473.02	3/4	2,113.50	
4	4	4,978.02	4	4,621.08	4	4,262.43	4	3,903.11	4	3,543.78	4	3,184.46	4	2,825.04	4	2,465.53	4	2,106.01	
1/4	1/4	4,970.59	1/4	4,613.62	1/4	4,254.94	1/4	3,895.62	1/4	3,536.30	1/4	3,176.97	1/4	2,817.55	1/4	2,458.04	1/4	2,098.52	
1/2	1/2	4,963.16	1/2	4,606.16	1/2	4,247.46	1/2	3,888.14	1/2	3,528.81	1/2	3,169.49	1/2	2,810.06	1/2	2,450.55	1/2	2,091.03	
3/4	3/4	4,955.73	3/4	4,598.69	3/4	4,239.97	3/4	3,880.65	3/4	3,521.33	3/4	3,162.00	3/4	2,802.57	3/4	2,443.06	3/4	2,083.54	
5	5	4,948.30	5	4,591.23	5	4,232.49	5	3,873.16	5	3,513.84	5	3,154.52	5	2,795.08	5	2,435.57	5	2,076.05	
1/4	1/4	4,940.87	1/4	4,583.76	1/4	4,225.00	1/4	3,865.68	1/4	3,506.35	1/4	3,147.03	1/4	2,787.59	1/4	2,428.08	1/4	2,068.56	
1/2	1/2	4,933.45	1/2	4,576.30	1/2	4,217.51	1/2	3,858.19	1/2	3,498.87	1/2	3,139.55	1/2	2,780.10	1/2	2,420.59	1/2	2,061.07	
3/4	3/4	4,926.02	3/4	4,568.84	3/4	4,210.03	3/4	3,850.71	3/4	3,491.38	3/4	3,132.06	3/4	2,772.61	3/4	2,413.10	3/4	2,053.58	
6	6	4,918.59	6	4,561.37	6	4,202.54	6	3,843.22	6	3,483.90	6	3,124.57	6	2,765.12	6	2,405.61	6	2,046.09	
1/4	1/4	4,911.16	1/4	4,553.91	1/4	4,195.06	1/4	3,835.73	1/4	3,476.41	1/4	3,117.09	1/4	2,757.63	1/4	2,398.12	1/4	2,038.60	
1/2	1/2	4,903.73	1/2	4,546.44	1/2	4,187.57	1/2	3,828.25	1/2	3,468.92	1/2	3,109.60	1/2	2,750.14	1/2	2,390.63	1/2	2,031.11	
3/4	3/4	4,896.31	3/4	4,538.98	3/4	4,180.09	3/4	3,820.76	3/4	3,461.44	3/4	3,102.12	3/4	2,742.65	3/4	2,383.14	3/4	2,023.62	
7	7	4,888.88	7	4,531.51	7	4,172.60	7	3,813.28	7	3,453.95	7	3,094.63	7	2,735.16	7	2,375.65	7	2,016.13	
1/4	1/4	4,881.46	1/4	4,524.05	1/4	4,165.11	1/4	3,805.79	1/4	3,446.47	1/4	3,087.14	1/4	2,727.67	1/4	2,368.16	1/4	2,008.64	
1/2	1/2	4,874.03	1/2	4,516.59	1/2	4,157.63	1/2	3,798.30	1/2	3,438.98	1/2	3,079.66	1/2	2,720.18	1/2	2,360.67	1/2	2,001.15	
3/4	3/4	4,866.61	3/4	4,509.12	3/4	4,150.14	3/4	3,790.82	3/4	3,431.50	3/4	3,072.17	3/4	2,712.69	3/4	2,353.18	3/4	1,993.66	
8	8	4,859.18	8	4,501.66	8	4,142.66	8	3,783.33	8	3,424.01	8	3,064.69	8	2,705.20	8	2,345.69	8	1,986.17	
1/4	1/4	4,851.76	1/4	4,494.19	1/4	4,135.17	1/4	3,775.85	1/4	3,416.52	1/4	3,057.20	1/4	2,697.71	1/4	2,338.20	1/4	1,978.68	
1/2	1/2	4,844.33	1/2	4,486.73	1/2	4,127.68	1/2	3,768.36	1/2	3,409.04	1/2	3,049.71	1/2	2,690.22	1/2	2,330.71	1/2	1,971.19	
3/4	3/4	4,836.91	3/4	4,479.26	3/4	4,120.20	3/4	3,760.87	3/4	3,401.55	3/4	3,042.23	3/4	2,682.73	3/4	2,323.22	3/4	1,963.70	
9	9	4,829.48	9	4,471.80	9	4,112.71	9	3,753.39	9	3,394.07	9	3,034.74	9	2,675.24	9	2,315.73	9	1,956.21	
1/4	1/4	4,822.06	1/4	4,464.34	1/4	4,105.23	1/4	3,745.90	1/4	3,386.58	1/4	3,027.26	1/4	2,667.75	1/4	2,308.24	1/4	1,948.72	
1/2	1/2	4,814.64	1/2	4,456.87	1/2	4,097.74	1/2	3,738.42	1/2	3,379.09	1/2	3,019.77	1/2	2,660.26	1/2	2,300.75	1/2	1,941.23	
3/4	3/4	4,807.21	3/4	4,449.41	3/4	4,090.25	3/4	3,730.93	3/4	3,371.61	3/4	3,012.28	3/4	2,652.77	3/4	2,293.26	3/4	1,933.74	
10	10	4,799.79	10	4,441.94	10	4,082.77	10	3,723.45	10	3,364.12	10	3,004.80	10	2,645.28	10	2,285.77	10	1,926.25	
1/4	1/4	4,792.36	1/4	4,434.48	1/4	4,075.28	1/4	3,715.96	1/4	3,356.64	1/4	2,997.31	1/4	2,637.79	1/4	2,278.28	1/4	1,918.76	
1/2	1/2	4,784.94	1/2	4,427.02	1/2	4,067.80	1/2	3,708.47	1/2	3,349.15	1/2	2,989.83	1/2	2,630.30	1/2	2,270.79	1/2	1,911.27	
3/4	3/4	4,777.51	3/4	4,419.55	3/4	4,060.31	3/4	3,700.99	3/4	3,341.66	3/4	2,982.34	3/4	2,622.81	3/4	2,263.30	3/4	1,903.78	
11	11	4,770.09	11	4,412.09	11	4,052.83	11	3,693.50	11	3,334.18	11	2,974.84	11	2,615.32	11	2,255.81	11	1,896.29	
1/4	1/4	4,762.66	1/4	4,404.62	1/4	4,045.34	1/4	3,686.02	1/4	3,326.69	1/4	2,967.35	1/4	2,607.83	1/4	2,248.32	1/4	1,888.80	
1/2	1/2	4,755.24	1/2	4,397.16	1/2	4,037.85	1/2	3,678.53	1/2	3,319.21	1/2	2,959.86	1/2	2,600.34	1/2	2,240.83	1/2	1,881.31	
3/4	3/4	5,084.23	3/4	4,747.82	3/4	4,389.68	3/4	4,030.37	3/4	3,671.04	3/4	3,311.72	3/4	2,952.37	3/4	2,233.34	3/4	1,873.82	

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'-06" FORWARD OF AFT BULKHEAD.

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

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



# BARGE "KIRBY 28737"

## 2 PORT ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30038"

GAUGE HEIGHT 15'-02 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	1,866.33	0	1,506.82	0	1,148.72	0	802.17	0	442.67	0	83.16	0		0		0		0	
1/4	1,858.84	1/4	1,499.33	1/4	1,141.51	1/4	794.68	1/4	435.18	1/4	75.67	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,851.35	1/2	1,491.84	1/2	1,134.31	1/2	787.19	1/2	427.69	1/2	68.18	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,843.86	3/4	1,484.35	3/4	1,127.11	3/4	779.70	3/4	420.20	3/4	61.39	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,836.37	1	1,476.86	1	1,119.91	1	772.21	1	412.71	1	54.61	1	1	1	1	1	1	1	1
1/4	1,828.88	1/4	1,469.37	1/4	1,112.72	1/4	764.72	1/4	405.22	1/4	47.82	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,821.39	1/2	1,461.88	1/2	1,105.52	1/2	757.23	1/2	397.73	1/2	41.03	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,813.90	3/4	1,454.39	3/4	1,098.33	3/4	749.74	3/4	390.24	3/4	35.88	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,806.41	2	1,446.90	2	1,091.13	2	742.25	2	382.75	2	30.73	2	2	2	2	2	2	2	2
1/4	1,798.93	1/4	1,439.41	1/4	1,083.94	1/4	734.76	1/4	375.26	1/4	25.59	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,791.44	1/2	1,431.92	1/2	1,076.75	1/2	727.27	1/2	367.77	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,783.95	3/4	1,424.43	3/4	1,069.56	3/4	719.79	3/4	360.28	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,776.46	3	1,416.94	3	1,062.37	3	712.30	3	352.79	3	3	3	3	3	3	3	3	3	3
1/4	1,768.97	1/4	1,409.45	1/4	1,055.19	1/4	704.81	1/4	345.30	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,761.48	1/2	1,401.96	1/2	1,048.00	1/2	697.32	1/2	337.81	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,753.99	3/4	1,394.47	3/4	1,040.81	3/4	689.83	3/4	330.32	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,746.50	4	1,386.98	4	1,033.63	4	682.34	4	322.83	4	4	4	4	4	4	4	4	4	4
1/4	1,739.01	1/4	1,379.49	1/4	1,026.44	1/4	674.85	1/4	315.34	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,731.52	1/2	1,372.00	1/2	1,019.26	1/2	667.36	1/2	307.85	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,724.03	3/4	1,364.51	3/4	1,012.07	3/4	659.87	3/4	300.36	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,716.54	5	1,357.02	5	1,004.89	5	652.38	5	292.87	5	5	5	5	5	5	5	5	5	5
1/4	1,709.05	1/4	1,349.53	1/4	997.70	1/4	644.89	1/4	285.38	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,701.56	1/2	1,342.04	1/2	990.52	1/2	637.40	1/2	277.89	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,694.07	3/4	1,334.55	3/4	983.33	3/4	629.91	3/4	270.40	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,686.58	6	1,327.06	6	976.15	6	622.42	6	262.91	6	6	6	6	6	6	6	6	6	6
1/4	1,679.09	1/4	1,319.57	1/4	968.96	1/4	614.93	1/4	255.42	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,671.60	1/2	1,312.08	1/2	961.77	1/2	607.44	1/2	247.93	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,664.11	3/4	1,304.59	3/4	954.59	3/4	599.95	3/4	240.44	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,656.62	7	1,297.10	7	947.40	7	592.46	7	232.95	7	7	7	7	7	7	7	7	7	7
1/4	1,649.13	1/4	1,289.61	1/4	940.22	1/4	584.97	1/4	225.46	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,641.64	1/2	1,282.12	1/2	933.03	1/2	577.48	1/2	217.98	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,634.15	3/4	1,274.63	3/4	925.85	3/4	569.99	3/4	210.49	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,626.66	8	1,267.14	8	918.66	8	562.50	8	203.00	8	8	8	8	8	8	8	8	8	8
1/4	1,619.17	1/4	1,259.65	1/4	911.48	1/4	555.01	1/4	195.51	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,611.68	1/2	1,252.16	1/2	904.29	1/2	547.52	1/2	188.02	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,604.19	3/4	1,244.67	3/4	897.11	3/4	540.03	3/4	180.53	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,596.70	9	1,237.18	9	889.92	9	532.54	9	173.04	9	9	9	9	9	9	9	9	9	9
1/4	1,589.21	1/4	1,229.69	1/4	882.74	1/4	525.05	1/4	165.55	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,581.72	1/2	1,222.20	1/2	875.55	1/2	517.56	1/2	158.06	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,574.23	3/4	1,214.71	3/4	868.36	3/4	510.07	3/4	150.57	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,566.74	10	1,207.22	10	861.18	10	502.58	10	143.08	10	10	10	10	10	10	10	10	10	10
1/4	1,559.25	1/4	1,199.73	1/4	853.99	1/4	495.09	1/4	135.59	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,551.76	1/2	1,192.24	1/2	846.81	1/2	487.60	1/2	128.10	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,544.27	3/4	1,184.75	3/4	839.39	3/4	480.11	3/4	120.61	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,536.78	11	1,177.69	11	831.98	11	472.62	11	113.12	11	11	11	11	11	11	11	11	11	11
1/4	1,529.29	1/4	1,170.41	1/4	824.57	1/4	465.14	1/4	105.63	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,521.80	1/2	1,163.13	1/2	817.15	1/2	457.65	1/2	98.14	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,514.31	3/4	1,155.93	3/4	809.66	3/4	450.16	3/4	90.65	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: 09/17/2012 CL - SW  
CALCULATED: 09/18/2012 CL  
NAME CHANGE: 05/24/2022 PMA

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2022

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





# BARGE "KIRBY 28737"

## 2 STBD ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30038"

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	4,765.72	0	4,407.90	0	4,048.85	0	3,689.79	0	3,330.73	0	2,971.64	0	2,612.39	0	2,253.13
1/4	1/4	5,094.48	1/4	4,758.30	1/4	4,400.42	1/4	4,041.37	1/4	3,682.31	1/4	3,323.25	1/4	2,964.16	1/4	2,604.90	1/4	2,245.65	
1/2	1/2	5,090.00	1/2	4,750.88	1/2	4,392.95	1/2	4,033.89	1/2	3,674.83	1/2	3,315.77	1/2	2,956.68	1/2	2,597.42	1/2	2,238.16	
3/4	3/4	5,085.51	3/4	4,743.46	3/4	4,385.47	3/4	4,026.41	3/4	3,667.35	3/4	3,308.29	3/4	2,949.19	3/4	2,589.94	3/4	2,230.68	
1		5,081.03	1	4,736.04	1	4,378.00	1	4,018.93	1	3,659.87	1	3,300.80	1	2,941.71	1	2,582.45	1	2,223.19	
1/4	1/4	5,075.48	1/4	4,728.60	1/4	4,370.52	1/4	4,011.45	1/4	3,652.39	1/4	3,293.32	1/4	2,934.22	1/4	2,574.97	1/4	2,215.71	
1/2	1/2	5,069.93	1/2	4,721.15	1/2	4,363.04	1/2	4,003.97	1/2	3,644.91	1/2	3,285.84	1/2	2,926.74	1/2	2,567.48	1/2	2,208.23	
3/4	3/4	5,064.38	3/4	4,713.70	3/4	4,355.56	3/4	3,996.49	3/4	3,637.43	3/4	3,278.36	3/4	2,919.25	3/4	2,560.00	3/4	2,200.74	
2		5,058.82	2	4,706.25	2	4,348.07	2	3,989.01	2	3,629.95	2	3,270.88	2	2,911.77	2	2,552.51	2	2,193.26	
1/4	1/4	5,052.20	1/4	4,698.79	1/4	4,340.59	1/4	3,981.53	1/4	3,622.47	1/4	3,263.40	1/4	2,904.28	1/4	2,545.03	1/4	2,185.77	
1/2	1/2	5,045.58	1/2	4,691.33	1/2	4,333.11	1/2	3,974.05	1/2	3,614.99	1/2	3,255.92	1/2	2,896.80	1/2	2,537.54	1/2	2,178.29	
3/4	3/4	5,038.96	3/4	4,683.87	3/4	4,325.63	3/4	3,966.57	3/4	3,607.51	3/4	3,248.44	3/4	2,889.32	3/4	2,530.06	3/4	2,170.80	
3		5,032.34	3	4,676.41	3	4,318.15	3	3,959.09	3	3,600.02	3	3,240.96	3	2,881.83	3	2,522.57	3	2,163.32	
1/4	1/4	5,025.05	1/4	4,668.96	1/4	4,310.67	1/4	3,951.61	1/4	3,592.54	1/4	3,233.48	1/4	2,874.35	1/4	2,515.09	1/4	2,155.83	
1/2	1/2	5,017.76	1/2	4,661.50	1/2	4,303.19	1/2	3,944.13	1/2	3,585.06	1/2	3,226.00	1/2	2,866.86	1/2	2,507.61	1/2	2,148.35	
3/4	3/4	5,010.47	3/4	4,654.04	3/4	4,295.71	3/4	3,936.65	3/4	3,577.58	3/4	3,218.52	3/4	2,859.38	3/4	2,500.12	3/4	2,140.87	
4		5,003.18	4	4,646.58	4	4,288.23	4	3,929.17	4	3,570.10	4	3,211.04	4	2,851.89	4	2,492.64	4	2,133.38	
1/4	1/4	4,995.76	1/4	4,639.12	1/4	4,280.75	1/4	3,921.69	1/4	3,562.62	1/4	3,203.56	1/4	2,844.41	1/4	2,485.15	1/4	2,125.90	
1/2	1/2	4,988.34	1/2	4,631.66	1/2	4,273.27	1/2	3,914.21	1/2	3,555.14	1/2	3,196.08	1/2	2,836.92	1/2	2,477.67	1/2	2,118.41	
3/4	3/4	4,980.91	3/4	4,624.20	3/4	4,265.79	3/4	3,906.73	3/4	3,547.66	3/4	3,188.60	3/4	2,829.44	3/4	2,470.18	3/4	2,110.93	
5		4,973.49	5	4,616.74	5	4,258.31	5	3,899.24	5	3,540.18	5	3,181.12	5	2,821.95	5	2,462.70	5	2,103.44	
1/4	1/4	4,966.07	1/4	4,609.29	1/4	4,250.83	1/4	3,891.76	1/4	3,532.70	1/4	3,173.64	1/4	2,814.47	1/4	2,455.21	1/4	2,095.96	
1/2	1/2	4,958.64	1/2	4,601.83	1/2	4,243.35	1/2	3,884.28	1/2	3,525.22	1/2	3,166.16	1/2	2,806.99	1/2	2,447.73	1/2	2,088.47	
3/4	3/4	4,951.22	3/4	4,594.37	3/4	4,235.87	3/4	3,876.80	3/4	3,517.74	3/4	3,158.68	3/4	2,799.50	3/4	2,440.25	3/4	2,080.99	
6		4,943.80	6	4,586.91	6	4,228.39	6	3,869.32	6	3,510.26	6	3,151.19	6	2,792.02	6	2,432.76	6	2,073.50	
1/4	1/4	4,936.37	1/4	4,579.45	1/4	4,220.91	1/4	3,861.84	1/4	3,502.78	1/4	3,143.71	1/4	2,784.53	1/4	2,425.28	1/4	2,066.02	
1/2	1/2	4,928.95	1/2	4,571.99	1/2	4,213.43	1/2	3,854.36	1/2	3,495.30	1/2	3,136.23	1/2	2,777.05	1/2	2,417.79	1/2	2,058.54	
3/4	3/4	4,921.53	3/4	4,564.53	3/4	4,205.95	3/4	3,846.88	3/4	3,487.82	3/4	3,128.75	3/4	2,769.56	3/4	2,410.31	3/4	2,051.05	
7		4,914.11	7	4,557.07	7	4,198.46	7	3,839.40	7	3,480.34	7	3,121.27	7	2,762.08	7	2,402.82	7	2,043.57	
1/4	1/4	4,906.68	1/4	4,549.61	1/4	4,190.98	1/4	3,831.92	1/4	3,472.86	1/4	3,113.79	1/4	2,754.59	1/4	2,395.34	1/4	2,036.08	
1/2	1/2	4,899.26	1/2	4,542.16	1/2	4,183.50	1/2	3,824.44	1/2	3,465.38	1/2	3,106.31	1/2	2,747.11	1/2	2,387.85	1/2	2,028.60	
3/4	3/4	4,891.84	3/4	4,534.70	3/4	4,176.02	3/4	3,816.96	3/4	3,457.90	3/4	3,098.83	3/4	2,739.63	3/4	2,380.37	3/4	2,021.11	
8		4,884.42	8	4,527.24	8	4,168.54	8	3,809.48	8	3,450.41	8	3,091.35	8	2,732.14	8	2,372.88	8	2,013.63	
1/4	1/4	4,877.00	1/4	4,519.78	1/4	4,161.06	1/4	3,802.00	1/4	3,442.93	1/4	3,083.87	1/4	2,724.66	1/4	2,365.40	1/4	2,006.14	
1/2	1/2	4,869.59	1/2	4,512.32	1/2	4,153.58	1/2	3,794.52	1/2	3,435.45	1/2	3,076.39	1/2	2,717.17	1/2	2,357.92	1/2	1,998.66	
3/4	3/4	4,862.17	3/4	4,504.86	3/4	4,146.10	3/4	3,787.04	3/4	3,427.97	3/4	3,068.91	3/4	2,709.69	3/4	2,350.43	3/4	1,991.18	
9		4,854.75	9	4,497.40	9	4,138.62	9	3,779.56	9	3,420.49	9	3,061.43	9	2,702.20	9	2,342.95	9	1,983.69	
1/4	1/4	4,847.33	1/4	4,489.94	1/4	4,131.14	1/4	3,772.08	1/4	3,413.01	1/4	3,053.95	1/4	2,694.72	1/4	2,335.46	1/4	1,976.21	
1/2	1/2	4,839.91	1/2	4,482.49	1/2	4,123.66	1/2	3,764.60	1/2	3,405.53	1/2	3,046.47	1/2	2,687.23	1/2	2,327.98	1/2	1,968.72	
3/4	3/4	4,832.49	3/4	4,475.03	3/4	4,116.18	3/4	3,757.12	3/4	3,398.05	3/4	3,038.99	3/4	2,679.75	3/4	2,320.49	3/4	1,961.24	
10		4,825.07	10	4,467.57	10	4,108.70	10	3,749.63	10	3,390.57	10	3,031.51	10	2,672.26	10	2,313.01	10	1,953.75	
1/4	1/4	4,817.65	1/4	4,460.11	1/4	4,101.22	1/4	3,742.15	1/4	3,383.09	1/4	3,024.03	1/4	2,664.78	1/4	2,305.52	1/4	1,946.27	
1/2	1/2	4,810.23	1/2	4,452.65	1/2	4,093.74	1/2	3,734.67	1/2	3,375.61	1/2	3,016.55	1/2	2,657.30	1/2	2,298.04	1/2	1,938.78	
3/4	3/4	4,802.81	3/4	4,445.19	3/4	4,086.26	3/4	3,727.19	3/4	3,368.13	3/4	3,009.07	3/4	2,649.81	3/4	2,290.56	3/4	1,931.30	
11		4,795.40	11	4,437.73	11	4,078.78	11	3,719.71	11	3,360.65	11	3,001.58	11	2,642.33	11	2,283.07	11	1,923.81	
1/4	1/4	4,787.98	1/4	4,430.27	1/4	4,071.30	1/4	3,712.23	1/4	3,353.17	1/4	2,994.10	1/4	2,634.84	1/4	2,275.59	1/4	1,916.33	
1/2	1/2	4,780.56	1/2	4,422.82	1/2	4,063.82	1/2	3,704.75	1/2	3,345.69	1/2	2,986.61	1/2	2,627.36	1/2	2,268.10	1/2	1,908.85	
3/4	3/4	4,773.14	3/4	4,415.36	3/4	4,056.34	3/4	3,697.27	3/4	3,338.21	3/4	2,979.13	3/4	2,619.87	3/4	2,260.62	3/4	1,901.36	

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'-06" FORWARD OF AFT BULKHEAD.

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

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





# BARGE "KIRBY 28737"

## 2 STBD ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30038"

GAUGE HEIGHT 15'-02 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	1,893.88	0	1,534.62	0	1,175.36	0	816.57	0	457.32	0	98.07	0		0		0		0	
1/4	1,886.39	1/4	1,527.14	1/4	1,167.88	1/4	809.08	1/4	449.84	1/4	90.59	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,878.91	1/2	1,519.65	1/2	1,160.40	1/2	801.60	1/2	442.35	1/2	83.11	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,871.42	3/4	1,512.17	3/4	1,152.91	3/4	794.11	3/4	434.87	3/4	75.62	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,863.94	1	1,504.68	1	1,145.43	1	786.63	1	427.38	1	68.14	1	1	1	1	1	1	1	1
1/4	1,856.45	1/4	1,497.20	1/4	1,137.95	1/4	779.15	1/4	419.90	1/4	61.35	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,848.97	1/2	1,489.71	1/2	1,130.47	1/2	771.66	1/2	412.42	1/2	54.57	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,841.49	3/4	1,482.23	3/4	1,122.99	3/4	764.18	3/4	404.93	3/4	47.79	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,834.00	2	1,474.74	2	1,115.51	2	756.69	2	397.45	2	41.01	2	2	2	2	2	2	2	2
1/4	1,826.52	1/4	1,467.26	1/4	1,108.03	1/4	749.21	1/4	389.96	1/4	35.86	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,819.03	1/2	1,459.78	1/2	1,100.55	1/2	741.72	1/2	382.48	1/2	30.72	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,811.55	3/4	1,452.29	3/4	1,093.07	3/4	734.24	3/4	374.99	3/4	25.57	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,804.06	3	1,444.81	3	1,085.59	3	726.76	3	367.51	3		3	3	3	3	3	3	3	3
1/4	1,796.58	1/4	1,437.32	1/4	1,078.12	1/4	719.27	1/4	360.03	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,789.09	1/2	1,429.84	1/2	1,070.64	1/2	711.79	1/2	352.54	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,781.61	3/4	1,422.35	3/4	1,063.17	3/4	704.30	3/4	345.06	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,774.12	4	1,414.87	4	1,055.70	4	696.82	4	337.57	4	4	4	4	4	4	4	4	4	4
1/4	1,766.64	1/4	1,407.38	1/4	1,048.23	1/4	689.33	1/4	330.09	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,759.16	1/2	1,399.90	1/2	1,040.75	1/2	681.85	1/2	322.60	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,751.67	3/4	1,392.42	3/4	1,033.28	3/4	674.37	3/4	315.12	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,744.19	5	1,384.93	5	1,025.81	5	666.88	5	307.64	5	5	5	5	5	5	5	5	5	5
1/4	1,736.70	1/4	1,377.45	1/4	1,018.34	1/4	659.40	1/4	300.15	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,729.22	1/2	1,369.96	1/2	1,010.87	1/2	651.91	1/2	292.67	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,721.73	3/4	1,362.48	3/4	1,003.40	3/4	644.43	3/4	285.18	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,714.25	6	1,354.99	6	995.92	6	636.94	6	277.70	6	6	6	6	6	6	6	6	6	6
1/4	1,706.76	1/4	1,347.51	1/4	988.45	1/4	629.46	1/4	270.21	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,699.28	1/2	1,340.02	1/2	980.98	1/2	621.98	1/2	262.73	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,691.80	3/4	1,332.54	3/4	973.51	3/4	614.49	3/4	255.24	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,684.31	7	1,325.05	7	966.04	7	607.01	7	247.76	7	7	7	7	7	7	7	7	7	7
1/4	1,676.83	1/4	1,317.57	1/4	958.57	1/4	599.52	1/4	240.28	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,669.34	1/2	1,310.09	1/2	951.09	1/2	592.04	1/2	232.79	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,661.86	3/4	1,302.60	3/4	943.62	3/4	584.55	3/4	225.31	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,654.37	8	1,295.12	8	936.15	8	577.07	8	217.82	8	8	8	8	8	8	8	8	8	8
1/4	1,646.89	1/4	1,287.63	1/4	928.68	1/4	569.59	1/4	210.34	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,639.40	1/2	1,280.15	1/2	921.21	1/2	562.10	1/2	202.85	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,631.92	3/4	1,272.66	3/4	913.74	3/4	554.62	3/4	195.37	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,624.43	9	1,265.18	9	906.27	9	547.13	9	187.89	9	9	9	9	9	9	9	9	9	9
1/4	1,616.95	1/4	1,257.69	1/4	898.79	1/4	539.65	1/4	180.40	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,609.47	1/2	1,250.21	1/2	891.32	1/2	532.16	1/2	172.92	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,601.98	3/4	1,242.73	3/4	883.85	3/4	524.68	3/4	165.43	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,594.50	10	1,235.24	10	876.38	10	517.20	10	157.95	10	10	10	10	10	10	10	10	10	10
1/4	1,587.01	1/4	1,227.76	1/4	868.91	1/4	509.71	1/4	150.46	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,579.53	1/2	1,220.27	1/2	861.44	1/2	502.23	1/2	142.98	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,572.04	3/4	1,212.79	3/4	853.96	3/4	494.74	3/4	135.50	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,564.56	11	1,205.30	11	846.49	11	487.26	11	128.01	11	11	11	11	11	11	11	11	11	11
1/4	1,557.07	1/4	1,197.82	1/4	839.01	1/4	479.77	1/4	120.53	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,549.59	1/2	1,190.33	1/2	831.53	1/2	472.29	1/2	113.04	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,542.11	3/4	1,182.85	3/4	824.05	3/4	464.81	3/4	105.56	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: 09/17/2012 CL - SW  
CALCULATED: 09/18/2012 CL  
NAME CHANGE: 05/24/2022 PMA

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2022

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



# BARGE "KIRBY 28737"

## 3 PORT ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30038"

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	4,020.23	0	3,884.57	0	3,748.08	0	3,611.58	0	3,296.72	0	2,940.13	0	2,583.28	0	2,227.53
1/4	1/4	4,132.77	1/4	4,017.43	1/4	3,881.72	1/4	3,745.24	1/4	3,608.74	1/4	3,289.31	1/4	2,932.69	1/4	2,575.84	1/4	2,220.15	
1/2	1/2	4,132.65	1/2	4,014.63	1/2	3,878.88	1/2	3,742.39	1/2	3,605.89	1/2	3,281.90	1/2	2,925.26	1/2	2,568.40	1/2	2,212.77	
3/4	3/4	4,132.52	3/4	4,011.83	3/4	3,876.04	3/4	3,739.55	3/4	3,603.05	3/4	3,274.49	3/4	2,917.82	3/4	2,560.96	3/4	2,205.39	
1		1	4,132.40	1	4,009.03	1	3,873.20	1	3,736.70	1	3,600.21	1	3,267.08	1	2,910.39	1	2,553.52	1	2,198.02
1/4	1/4	4,131.46	1/4	4,006.20	1/4	3,870.36	1/4	3,733.86	1/4	3,597.36	1/4	3,259.66	1/4	2,902.96	1/4	2,546.08	1/4	2,190.64	
1/2	1/2	4,130.52	1/2	4,003.38	1/2	3,867.51	1/2	3,731.02	1/2	3,594.52	1/2	3,252.23	1/2	2,895.52	1/2	2,538.64	1/2	2,183.26	
3/4	3/4	4,129.58	3/4	4,000.56	3/4	3,864.67	3/4	3,728.17	3/4	3,591.68	3/4	3,244.81	3/4	2,888.09	3/4	2,531.19	3/4	2,175.88	
2		2	4,128.63	2	3,997.73	2	3,861.83	2	3,725.33	2	3,588.83	2	3,237.38	2	2,880.65	2	2,523.75	2	2,168.50
1/4	1/4	4,126.63	1/4	3,994.90	1/4	3,858.98	1/4	3,722.49	1/4	3,582.53	1/4	3,229.95	1/4	2,873.22	1/4	2,516.31	1/4	2,161.12	
1/2	1/2	4,124.62	1/2	3,992.07	1/2	3,856.14	1/2	3,719.64	1/2	3,576.23	1/2	3,222.52	1/2	2,865.79	1/2	2,508.87	1/2	2,153.75	
3/4	3/4	4,122.62	3/4	3,989.25	3/4	3,853.30	3/4	3,716.80	3/4	3,569.93	3/4	3,215.09	3/4	2,858.35	3/4	2,501.43	3/4	2,146.37	
3		3	4,120.61	3	3,986.42	3	3,850.45	3	3,713.95	3	3,563.63	3	3,207.66	3	2,850.92	3	2,493.99	3	2,138.99
1/4	1/4	4,117.94	1/4	3,983.59	1/4	3,847.61	1/4	3,711.11	1/4	3,556.20	1/4	3,200.22	1/4	2,843.49	1/4	2,486.58	1/4	2,131.61	
1/2	1/2	4,115.27	1/2	3,980.76	1/2	3,844.77	1/2	3,708.27	1/2	3,548.77	1/2	3,192.79	1/2	2,836.05	1/2	2,479.16	1/2	2,124.23	
3/4	3/4	4,112.60	3/4	3,977.93	3/4	3,841.92	3/4	3,705.42	3/4	3,541.34	3/4	3,185.36	3/4	2,828.62	3/4	2,471.75	3/4	2,116.85	
4		4	4,109.93	4	3,975.10	4	3,839.08	4	3,702.58	4	3,533.91	4	3,177.93	4	2,821.18	4	2,464.34	4	2,109.48
1/4	1/4	4,107.12	1/4	3,972.27	1/4	3,836.23	1/4	3,699.74	1/4	3,526.49	1/4	3,170.50	1/4	2,813.75	1/4	2,456.94	1/4	2,102.10	
1/2	1/2	4,104.32	1/2	3,969.44	1/2	3,833.39	1/2	3,696.89	1/2	3,519.07	1/2	3,163.07	1/2	2,806.32	1/2	2,449.53	1/2	2,094.72	
3/4	3/4	4,101.51	3/4	3,966.61	3/4	3,830.55	3/4	3,694.05	3/4	3,511.65	3/4	3,155.64	3/4	2,798.88	3/4	2,442.13	3/4	2,087.34	
5		5	4,098.71	5	3,963.78	5	3,827.70	5	3,691.21	5	3,504.23	5	3,148.21	5	2,791.45	5	2,434.73	5	2,079.96
1/4	1/4	4,095.91	1/4	3,960.95	1/4	3,824.86	1/4	3,688.36	1/4	3,496.81	1/4	3,140.78	1/4	2,784.02	1/4	2,427.33	1/4	2,072.58	
1/2	1/2	4,093.10	1/2	3,958.12	1/2	3,822.02	1/2	3,685.52	1/2	3,489.40	1/2	3,133.34	1/2	2,776.58	1/2	2,419.92	1/2	2,065.21	
3/4	3/4	4,090.30	3/4	3,955.30	3/4	3,819.17	3/4	3,682.67	3/4	3,481.99	3/4	3,125.91	3/4	2,769.15	3/4	2,412.52	3/4	2,057.83	
6		6	4,087.49	6	3,952.47	6	3,816.33	6	3,679.83	6	3,474.57	6	3,118.48	6	2,761.71	6	2,405.12	6	2,050.45
1/4	1/4	4,084.69	1/4	3,949.64	1/4	3,813.48	1/4	3,676.99	1/4	3,467.16	1/4	3,111.05	1/4	2,754.28	1/4	2,397.72	1/4	2,043.07	
1/2	1/2	4,081.88	1/2	3,946.81	1/2	3,810.64	1/2	3,674.14	1/2	3,459.75	1/2	3,103.62	1/2	2,746.85	1/2	2,390.31	1/2	2,035.69	
3/4	3/4	4,079.08	3/4	3,943.98	3/4	3,807.80	3/4	3,671.30	3/4	3,452.34	3/4	3,096.19	3/4	2,739.41	3/4	2,382.91	3/4	2,028.31	
7		7	4,076.27	7	3,941.15	7	3,804.95	7	3,668.46	7	3,444.93	7	3,088.76	7	2,731.98	7	2,375.51	7	2,020.94
1/4	1/4	4,073.47	1/4	3,938.32	1/4	3,802.11	1/4	3,665.61	1/4	3,437.52	1/4	3,081.33	1/4	2,724.55	1/4	2,368.11	1/4	2,013.56	
1/2	1/2	4,070.67	1/2	3,935.49	1/2	3,799.27	1/2	3,662.77	1/2	3,430.11	1/2	3,073.89	1/2	2,717.11	1/2	2,360.70	1/2	2,006.18	
3/4	3/4	4,067.87	3/4	3,932.66	3/4	3,796.42	3/4	3,659.92	3/4	3,422.70	3/4	3,066.46	3/4	2,709.68	3/4	2,353.30	3/4	1,998.80	
8		8	4,065.06	8	3,929.83	8	3,793.58	8	3,657.08	8	3,415.29	8	3,059.03	8	2,702.24	8	2,345.90	8	1,991.42
1/4	1/4	4,062.26	1/4	3,927.00	1/4	3,790.73	1/4	3,654.24	1/4	3,407.88	1/4	3,051.60	1/4	2,694.81	1/4	2,338.49	1/4	1,984.04	
1/2	1/2	4,059.46	1/2	3,924.17	1/2	3,787.89	1/2	3,651.39	1/2	3,400.47	1/2	3,044.17	1/2	2,687.38	1/2	2,331.09	1/2	1,976.67	
3/4	3/4	4,056.66	3/4	3,921.34	3/4	3,785.05	3/4	3,648.55	3/4	3,393.06	3/4	3,036.74	3/4	2,679.94	3/4	2,323.69	3/4	1,969.29	
9		9	4,053.86	9	3,918.52	9	3,782.20	9	3,645.71	9	3,385.65	9	3,029.31	9	2,672.51	9	2,316.29	9	1,961.91
1/4	1/4	4,051.05	1/4	3,915.69	1/4	3,779.36	1/4	3,642.86	1/4	3,378.24	1/4	3,021.88	1/4	2,665.07	1/4	2,308.88	1/4	1,954.53	
1/2	1/2	4,048.25	1/2	3,912.86	1/2	3,776.52	1/2	3,640.02	1/2	3,370.83	1/2	3,014.44	1/2	2,657.64	1/2	2,301.48	1/2	1,947.15	
3/4	3/4	4,045.45	3/4	3,910.03	3/4	3,773.67	3/4	3,637.18	3/4	3,363.42	3/4	3,007.01	3/4	2,650.21	3/4	2,294.08	3/4	1,939.77	
10		10	4,042.65	10	3,907.20	10	3,770.83	10	3,634.33	10	3,356.01	10	2,999.58	10	2,642.77	10	2,286.68	10	1,932.40
1/4	1/4	4,039.85	1/4	3,904.37	1/4	3,767.99	1/4	3,631.49	1/4	3,348.60	1/4	2,992.15	1/4	2,635.34	1/4	2,279.27	1/4	1,925.02	
1/2	1/2	4,037.04	1/2	3,901.54	1/2	3,765.14	1/2	3,628.64	1/2	3,341.19	1/2	2,984.72	1/2	2,627.91	1/2	2,271.87	1/2	1,917.64	
3/4	3/4	4,034.24	3/4	3,898.71	3/4	3,762.30	3/4	3,625.80	3/4	3,333.78	3/4	2,977.29	3/4	2,620.47	3/4	2,264.47	3/4	1,910.26	
11		11	4,031.44	11	3,895.88	11	3,759.45	11	3,622.96	11	3,326.37	11	2,969.86	11	2,613.04	11	2,257.06	11	1,902.88
1/4	1/4	4,028.64	1/4	3,893.05	1/4	3,756.61	1/4	3,620.11	1/4	3,318.96	1/4	2,962.42	1/4	2,605.60	1/4	2,249.68	1/4	1,895.46	
1/2	1/2	4,025.84	1/2	3,890.22	1/2	3,753.77	1/2	3,617.27	1/2	3,311.54	1/2	2,954.99	1/2	2,598.16	1/2	2,242.30	1/2	1,888.03	
3/4	3/4	4,023.03	3/4	3,887.39	3/4	3,750.92	3/4	3,614.43	3/4	3,304.13	3/4	2,947.56	3/4	2,590.72	3/4	2,234.91	3/4	1,880.61	

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'-03" FORWARD OF AFT BULKHEAD.

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

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



# BARGE "KIRBY 28737"

## 3 PORT ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30038"

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	1,873.19	0	1,516.01	0	1,159.46	0	812.46	0	455.08	0	97.71	0		0		0		0	
1/4	1,865.74	1/4	1,508.57	1/4	1,152.23	1/4	805.01	1/4	447.64	1/4	90.26	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,858.30	1/2	1,501.13	1/2	1,145.00	1/2	797.57	1/2	440.19	1/2	82.80	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,850.86	3/4	1,493.68	3/4	1,137.77	3/4	790.12	3/4	432.75	3/4	75.35	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,843.42	1	1,486.24	1	1,130.54	1	782.68	1	425.31	1	67.89	1	1	1	1	1	1	1	1
1/4	1,835.98	1/4	1,478.80	1/4	1,123.32	1/4	775.23	1/4	417.86	1/4	61.13	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,828.54	1/2	1,471.36	1/2	1,116.09	1/2	767.79	1/2	410.42	1/2	54.38	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,821.10	3/4	1,463.92	3/4	1,108.87	3/4	760.34	3/4	402.97	3/4	47.62	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,813.66	2	1,456.48	2	1,101.65	2	752.89	2	395.53	2	40.86	2	2	2	2	2	2	2	2
1/4	1,806.21	1/4	1,449.04	1/4	1,094.43	1/4	745.45	1/4	388.09	1/4	35.73	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,798.77	1/2	1,441.60	1/2	1,087.21	1/2	738.00	1/2	380.64	1/2	30.61	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,791.33	3/4	1,434.15	3/4	1,079.99	3/4	730.56	3/4	373.20	3/4	25.48	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,783.89	3	1,426.71	3	1,072.78	3	723.11	3	365.75	3		3	3	3	3	3	3	3	3
1/4	1,776.45	1/4	1,419.27	1/4	1,065.56	1/4	715.67	1/4	358.31	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,769.01	1/2	1,411.83	1/2	1,058.35	1/2	708.22	1/2	350.87	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,761.57	3/4	1,404.39	3/4	1,051.13	3/4	700.78	3/4	343.42	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,754.13	4	1,396.95	4	1,043.92	4	693.33	4	335.98	4	4	4	4	4	4	4	4	4	4
1/4	1,746.69	1/4	1,389.51	1/4	1,036.71	1/4	685.89	1/4	328.53	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,739.24	1/2	1,382.07	1/2	1,029.50	1/2	678.44	1/2	321.09	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,731.80	3/4	1,374.63	3/4	1,022.29	3/4	671.00	3/4	313.65	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,724.36	5	1,367.18	5	1,015.08	5	663.55	5	306.20	5	5	5	5	5	5	5	5	5	5
1/4	1,716.92	1/4	1,359.74	1/4	1,007.86	1/4	656.10	1/4	298.76	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,709.48	1/2	1,352.30	1/2	1,000.65	1/2	648.66	1/2	291.31	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,702.04	3/4	1,344.86	3/4	993.44	3/4	641.21	3/4	283.87	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,694.60	6	1,337.42	6	986.23	6	633.77	6	276.43	6	6	6	6	6	6	6	6	6	6
1/4	1,687.16	1/4	1,329.98	1/4	979.02	1/4	626.32	1/4	268.98	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,679.71	1/2	1,322.54	1/2	971.81	1/2	618.88	1/2	261.54	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,672.27	3/4	1,315.10	3/4	964.60	3/4	611.43	3/4	254.09	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,664.83	7	1,307.65	7	957.38	7	603.99	7	246.65	7	7	7	7	7	7	7	7	7	7
1/4	1,657.39	1/4	1,300.21	1/4	950.17	1/4	596.54	1/4	239.21	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,649.95	1/2	1,292.77	1/2	942.96	1/2	589.10	1/2	231.76	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,642.51	3/4	1,285.33	3/4	935.75	3/4	581.65	3/4	224.32	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,635.07	8	1,277.89	8	928.54	8	574.21	8	216.87	8	8	8	8	8	8	8	8	8	8
1/4	1,627.63	1/4	1,270.45	1/4	921.33	1/4	566.76	1/4	209.43	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,620.18	1/2	1,263.01	1/2	914.12	1/2	559.31	1/2	201.98	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,612.74	3/4	1,255.57	3/4	906.90	3/4	551.87	3/4	194.54	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,605.30	9	1,248.12	9	899.69	9	544.42	9	187.09	9	9	9	9	9	9	9	9	9	9
1/4	1,597.86	1/4	1,240.68	1/4	892.48	1/4	536.98	1/4	179.64	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,590.42	1/2	1,233.24	1/2	885.27	1/2	529.53	1/2	172.20	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,582.98	3/4	1,225.80	3/4	878.06	3/4	522.09	3/4	164.75	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,575.54	10	1,218.36	10	870.85	10	514.64	10	157.31	10	10	10	10	10	10	10	10	10	10
1/4	1,568.10	1/4	1,210.92	1/4	863.64	1/4	507.20	1/4	149.86	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,560.66	1/2	1,203.48	1/2	856.42	1/2	499.75	1/2	142.41	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,553.21	3/4	1,196.04	3/4	849.21	3/4	492.31	3/4	134.97	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,545.77	11	1,188.60	11	842.00	11	484.86	11	127.52	11	11	11	11	11	11	11	11	11	11
1/4	1,538.33	1/4	1,181.31	1/4	834.62	1/4	477.42	1/4	120.07	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,530.89	1/2	1,174.03	1/2	827.23	1/2	469.97	1/2	112.62	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,523.45	3/4	1,166.75	3/4	819.84	3/4	462.53	3/4	105.17	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: 09/17/2012 CL - SW  
CALCULATED: 09/18/2012 CL  
NAME CHANGE: 05/24/2022 PMA

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2022

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



# BARGE "KIRBY 28737"

## 3 STBD ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30038"

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	4,039.67	0	3,904.12	0	3,767.76	0	3,631.38	0	3,316.21	0	2,959.00	0	2,601.54	0	2,243.77		
1/4	1/4	4,152.11	4,036.87	1/4	3,901.29	1/4	3,764.92	1/4	3,628.54	1/4	3,308.79	1/4	2,951.56	1/4	2,594.09	1/4	2,236.31		
1/2	1/2	4,151.99	4,034.07	1/2	3,898.45	1/2	3,762.08	1/2	3,625.70	1/2	3,301.36	1/2	2,944.11	1/2	2,586.64	1/2	2,228.86		
3/4	3/4	4,151.86	4,031.27	3/4	3,895.61	3/4	3,759.23	3/4	3,622.86	3/4	3,293.94	3/4	2,936.66	3/4	2,579.18	3/4	2,221.41		
1	1	4,151.74	4,028.47	1	3,892.77	1	3,756.39	1	3,620.02	1	3,286.52	1	2,929.22	1	2,571.73	1	2,213.95		
1/4	1/4	4,150.80	4,025.65	1/4	3,889.93	1/4	3,753.55	1/4	3,617.17	1/4	3,279.08	1/4	2,921.77	1/4	2,564.28	1/4	2,206.50		
1/2	1/2	4,149.86	4,022.83	1/2	3,887.09	1/2	3,750.71	1/2	3,614.33	1/2	3,271.64	1/2	2,914.32	1/2	2,556.82	1/2	2,199.05		
3/4	3/4	4,148.92	4,020.01	3/4	3,884.25	3/4	3,747.87	3/4	3,611.49	3/4	3,264.20	3/4	2,906.88	3/4	2,549.37	3/4	2,191.59		
2	2	4,147.98	4,017.19	2	3,881.41	2	3,745.03	2	3,608.65	2	3,256.76	2	2,899.43	2	2,541.92	2	2,184.14		
1/4	1/4	4,145.98	4,014.37	1/4	3,878.56	1/4	3,742.19	1/4	3,602.35	1/4	3,249.32	1/4	2,891.98	1/4	2,534.46	1/4	2,176.68		
1/2	1/2	4,143.97	4,011.54	1/2	3,875.72	1/2	3,739.35	1/2	3,596.06	1/2	3,241.87	1/2	2,884.54	1/2	2,527.01	1/2	2,169.23		
3/4	3/4	4,141.97	4,008.71	3/4	3,872.88	3/4	3,736.50	3/4	3,589.76	3/4	3,234.43	3/4	2,877.09	3/4	2,519.55	3/4	2,161.78		
3	3	4,139.96	4,005.89	3	3,870.04	3	3,733.66	3	3,583.46	3	3,226.99	3	2,869.65	3	2,512.10	3	2,154.32		
1/4	1/4	4,137.30	4,003.06	1/4	3,867.20	1/4	3,730.82	1/4	3,576.04	1/4	3,219.54	1/4	2,862.20	1/4	2,504.65	1/4	2,146.87		
1/2	1/2	4,134.63	4,000.23	1/2	3,864.36	1/2	3,727.98	1/2	3,568.61	1/2	3,212.10	1/2	2,854.75	1/2	2,497.19	1/2	2,139.42		
3/4	3/4	4,131.96	3,997.41	3/4	3,861.52	3/4	3,725.14	3/4	3,561.18	3/4	3,204.66	3/4	2,847.31	3/4	2,489.74	3/4	2,131.96		
4	4	4,129.29	3,994.58	4	3,858.68	4	3,722.30	4	3,553.75	4	3,197.21	4	2,839.86	4	2,482.29	4	2,124.51		
1/4	1/4	4,126.48	3,991.75	1/4	3,855.84	1/4	3,719.46	1/4	3,546.33	1/4	3,189.77	1/4	2,832.41	1/4	2,474.83	1/4	2,117.05		
1/2	1/2	4,123.68	3,988.93	1/2	3,852.99	1/2	3,716.62	1/2	3,538.90	1/2	3,182.32	1/2	2,824.97	1/2	2,467.38	1/2	2,109.60		
3/4	3/4	4,120.88	3,986.10	3/4	3,850.15	3/4	3,713.78	3/4	3,531.48	3/4	3,174.88	3/4	2,817.52	3/4	2,459.92	3/4	2,102.15		
5	5	4,118.08	3,983.27	5	3,847.31	5	3,710.93	5	3,524.06	5	3,167.44	5	2,810.07	5	2,452.47	5	2,094.69		
1/4	1/4	4,115.28	3,980.45	1/4	3,844.47	1/4	3,708.09	1/4	3,516.63	1/4	3,159.99	1/4	2,802.63	1/4	2,445.02	1/4	2,087.24		
1/2	1/2	4,112.47	3,977.62	1/2	3,841.63	1/2	3,705.25	1/2	3,509.21	1/2	3,152.55	1/2	2,795.18	1/2	2,437.56	1/2	2,079.79		
3/4	3/4	4,109.67	3,974.79	3/4	3,838.79	3/4	3,702.41	3/4	3,501.79	3/4	3,145.11	3/4	2,787.73	3/4	2,430.11	3/4	2,072.33		
6	6	4,106.87	3,971.96	6	3,835.95	6	3,699.57	6	3,494.36	6	3,137.66	6	2,780.29	6	2,422.66	6	2,064.88		
1/4	1/4	4,104.07	3,969.14	1/4	3,833.11	1/4	3,696.73	1/4	3,486.94	1/4	3,130.22	1/4	2,772.84	1/4	2,415.20	1/4	2,057.42		
1/2	1/2	4,101.27	3,966.31	1/2	3,830.26	1/2	3,693.89	1/2	3,479.52	1/2	3,122.77	1/2	2,765.39	1/2	2,407.75	1/2	2,049.97		
3/4	3/4	4,098.46	3,963.48	3/4	3,827.42	3/4	3,691.05	3/4	3,472.09	3/4	3,115.33	3/4	2,757.95	3/4	2,400.30	3/4	2,042.52		
7	7	4,095.66	3,960.66	7	3,824.58	7	3,688.20	7	3,464.67	7	3,107.89	7	2,750.50	7	2,392.84	7	2,035.06		
1/4	1/4	4,092.86	3,957.83	1/4	3,821.74	1/4	3,685.36	1/4	3,457.25	1/4	3,100.44	1/4	2,743.05	1/4	2,385.39	1/4	2,027.61		
1/2	1/2	4,090.06	3,955.00	1/2	3,818.90	1/2	3,682.52	1/2	3,449.83	1/2	3,093.00	1/2	2,735.61	1/2	2,377.93	1/2	2,020.16		
3/4	3/4	4,087.26	3,952.18	3/4	3,816.06	3/4	3,679.68	3/4	3,442.40	3/4	3,085.55	3/4	2,728.16	3/4	2,370.48	3/4	2,012.70		
8	8	4,084.46	3,949.35	8	3,813.22	8	3,676.84	8	3,434.98	8	3,078.11	8	2,720.72	8	2,363.03	8	2,005.25		
1/4	1/4	4,081.66	3,946.52	1/4	3,810.38	1/4	3,674.00	1/4	3,427.56	1/4	3,070.67	1/4	2,713.27	1/4	2,355.57	1/4	1,997.80		
1/2	1/2	4,078.86	3,943.70	1/2	3,807.53	1/2	3,671.16	1/2	3,420.13	1/2	3,063.22	1/2	2,705.82	1/2	2,348.12	1/2	1,990.34		
3/4	3/4	4,076.06	3,940.87	3/4	3,804.69	3/4	3,668.32	3/4	3,412.71	3/4	3,055.78	3/4	2,698.38	3/4	2,340.67	3/4	1,982.89		
9	9	4,073.26	3,938.04	9	3,801.85	9	3,665.47	9	3,405.29	9	3,048.34	9	2,690.93	9	2,333.21	9	1,975.43		
1/4	1/4	4,070.46	3,935.22	1/4	3,799.01	1/4	3,662.63	1/4	3,397.86	1/4	3,040.89	1/4	2,683.48	1/4	2,325.76	1/4	1,967.98		
1/2	1/2	4,067.66	3,932.39	1/2	3,796.17	1/2	3,659.79	1/2	3,390.44	1/2	3,033.45	1/2	2,676.04	1/2	2,318.30	1/2	1,960.53		
3/4	3/4	4,064.87	3,929.56	3/4	3,793.33	3/4	3,656.95	3/4	3,383.02	3/4	3,026.00	3/4	2,668.59	3/4	2,310.85	3/4	1,953.07		
10	10	4,062.07	3,926.74	10	3,790.49	10	3,654.11	10	3,375.59	10	3,018.56	10	2,661.14	10	2,303.40	10	1,945.62		
1/4	1/4	4,059.27	3,923.91	1/4	3,787.65	1/4	3,651.27	1/4	3,368.17	1/4	3,011.12	1/4	2,653.70	1/4	2,295.94	1/4	1,938.17		
1/2	1/2	4,056.47	3,921.08	1/2	3,784.81	1/2	3,648.43	1/2	3,360.75	1/2	3,003.67	1/2	2,646.25	1/2	2,288.49	1/2	1,930.71		
3/4	3/4	4,053.67	3,918.26	3/4	3,781.96	3/4	3,645.59	3/4	3,353.32	3/4	2,996.23	3/4	2,638.80	3/4	2,281.04	3/4	1,923.26		
11	11	4,050.87	3,915.43	11	3,779.12	11	3,642.75	11	3,345.90	11	2,988.79	11	2,631.36	11	2,273.58	11	1,915.80		
1/4	1/4	4,048.07	3,912.60	1/4	3,776.28	1/4	3,639.90	1/4	3,338.48	1/4	2,981.34	1/4	2,623.90	1/4	2,266.13	1/4	1,908.35		
1/2	1/2	4,045.27	3,909.78	1/2	3,773.44	1/2	3,637.06	1/2	3,331.06	1/2	2,973.89	1/2	2,616.45	1/2	2,258.67	1/2	1,900.90		
3/4	3/4	4,042.47	3,906.95	3/4	3,770.60	3/4	3,634.22	3/4	3,323.63	3/4	2,966.45	3/4	2,609.00	3/4	2,251.22	3/4	1,893.44		

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'-03" FORWARD OF AFT BULKHEAD.

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

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



# BARGE "KIRBY 28737"

## 3 STBD ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30038"

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	1,885.99	0	1,528.21	0	1,170.43	0	813.21	0	455.44	0	97.67	0		0		0		0	
1/4	1,878.54	1/4	1,520.76	1/4	1,162.98	1/4	805.76	1/4	447.99	1/4	90.22	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,871.08	1/2	1,513.30	1/2	1,155.53	1/2	798.30	1/2	440.53	1/2	82.77	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,863.63	3/4	1,505.85	3/4	1,148.07	3/4	790.85	3/4	433.08	3/4	75.31	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,856.17	1	1,498.40	1	1,140.62	1	783.39	1	425.63	1	67.86	1	1	1	1	1	1	1	1
1/4	1,848.72	1/4	1,490.94	1/4	1,133.17	1/4	775.94	1/4	418.17	1/4	61.10	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,841.27	1/2	1,483.49	1/2	1,125.72	1/2	768.49	1/2	410.72	1/2	54.35	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,833.81	3/4	1,476.04	3/4	1,118.28	3/4	761.03	3/4	403.27	3/4	47.59	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,826.36	2	1,468.58	2	1,110.83	2	753.58	2	395.81	2	40.84	2	2	2	2	2	2	2	2
1/4	1,818.91	1/4	1,461.13	1/4	1,103.38	1/4	746.13	1/4	388.36	1/4	35.72	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,811.45	1/2	1,453.68	1/2	1,095.94	1/2	738.67	1/2	380.91	1/2	30.59	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,804.00	3/4	1,446.22	3/4	1,088.49	3/4	731.22	3/4	373.45	3/4	25.47	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,796.55	3	1,438.77	3	1,081.05	3	723.77	3	366.00	3		3	3	3	3	3	3	3	3
1/4	1,789.09	1/4	1,431.31	1/4	1,073.60	1/4	716.31	1/4	358.55	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,781.64	1/2	1,423.86	1/2	1,066.16	1/2	708.86	1/2	351.09	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,774.18	3/4	1,416.41	3/4	1,058.72	3/4	701.41	3/4	343.64	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,766.73	4	1,408.95	4	1,051.28	4	693.95	4	336.18	4	4	4	4	4	4	4	4	4	4
1/4	1,759.28	1/4	1,401.50	1/4	1,043.84	1/4	686.50	1/4	328.73	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,751.82	1/2	1,394.05	1/2	1,036.41	1/2	679.05	1/2	321.28	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,744.37	3/4	1,386.59	3/4	1,028.97	3/4	671.59	3/4	313.82	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,736.92	5	1,379.14	5	1,021.53	5	664.14	5	306.37	5	5	5	5	5	5	5	5	5	5
1/4	1,729.46	1/4	1,371.68	1/4	1,014.09	1/4	656.69	1/4	298.92	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,722.01	1/2	1,364.23	1/2	1,006.65	1/2	649.23	1/2	291.46	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,714.55	3/4	1,356.78	3/4	999.21	3/4	641.78	3/4	284.01	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,707.10	6	1,349.32	6	991.78	6	634.32	6	276.56	6	6	6	6	6	6	6	6	6	6
1/4	1,699.65	1/4	1,341.87	1/4	984.34	1/4	626.87	1/4	269.10	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,692.19	1/2	1,334.42	1/2	976.90	1/2	619.42	1/2	261.65	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,684.74	3/4	1,326.96	3/4	969.46	3/4	611.96	3/4	254.20	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,677.29	7	1,319.51	7	962.02	7	604.51	7	246.74	7	7	7	7	7	7	7	7	7	7
1/4	1,669.83	1/4	1,312.05	1/4	954.58	1/4	597.06	1/4	239.29	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,662.38	1/2	1,304.60	1/2	947.15	1/2	589.60	1/2	231.84	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,654.93	3/4	1,297.15	3/4	939.71	3/4	582.15	3/4	224.38	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,647.47	8	1,289.69	8	932.27	8	574.70	8	216.93	8	8	8	8	8	8	8	8	8	8
1/4	1,640.02	1/4	1,282.24	1/4	924.83	1/4	567.24	1/4	209.48	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,632.56	1/2	1,274.79	1/2	917.39	1/2	559.79	1/2	202.02	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,625.11	3/4	1,267.33	3/4	909.95	3/4	552.34	3/4	194.57	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,617.66	9	1,259.88	9	902.51	9	544.88	9	187.11	9	9	9	9	9	9	9	9	9	9
1/4	1,610.20	1/4	1,252.43	1/4	895.08	1/4	537.43	1/4	179.66	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,602.75	1/2	1,244.97	1/2	887.64	1/2	529.98	1/2	172.21	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,595.30	3/4	1,237.52	3/4	880.20	3/4	522.52	3/4	164.75	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,587.84	10	1,230.06	10	872.76	10	515.07	10	157.30	10	10	10	10	10	10	10	10	10	10
1/4	1,580.39	1/4	1,222.61	1/4	865.32	1/4	507.62	1/4	149.85	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,572.93	1/2	1,215.16	1/2	857.88	1/2	500.16	1/2	142.39	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,565.48	3/4	1,207.70	3/4	850.45	3/4	492.71	3/4	134.94	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,558.03	11	1,200.25	11	843.01	11	485.25	11	127.49	11	11	11	11	11	11	11	11	11	11
1/4	1,550.57	1/4	1,192.80	1/4	835.56	1/4	477.80	1/4	120.03	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,543.12	1/2	1,185.34	1/2	828.11	1/2	470.35	1/2	112.58	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,535.67	3/4	1,177.89	3/4	820.66	3/4	462.89	3/4	105.13	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: 09/17/2012 CL - SW  
CALCULATED: 09/18/2012 CL  
NAME CHANGE: 05/24/2022 PMA

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2022

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
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# BARGE "KIRBY 28737"

# FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "SMS 30038"

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: 09/17/2012 CL - SW  
CALCULATED: 09/18/2012 CL  
NAME CHANGE: 05/24/2022 PMA

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2022

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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<http://www.pmacorp.net>



# BARGE "KIRBY 28737"

## SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "SMS 30038"

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	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.

STRAPPED: 09/17/2012 CL - SW  
CALCULATED: 09/18/2012 CL  
NAME CHANGE: 05/24/2022 PMA

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2022

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
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