



# BARGE "KIRBY 30034"

ULLAGE "HERMETIC"

FORMERLY "SMS 30011"

	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	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4
1 STBD	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4
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	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
3 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 00-1/8"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 235'-09"

March 27, 2024

PRECISION MEASUREMENT  
 & ANALYSIS, INC.

P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 30034"

## 1 PORT ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30011"

GAUGE HEIGHT 16'-04"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	5,083.61	0	4,747.27	0	4,388.42	0	4,029.58	0	3,670.73	0	3,311.88	0	2,953.03	0	2,594.18
1/4		1/4		1/4	5,079.25	1/4	4,739.79	1/4	4,380.94	1/4	4,022.10	1/4	3,663.25	1/4	3,304.40	1/4	2,945.55	1/4	2,586.70
1/2		1/2		1/2	5,074.90	1/2	4,732.32	1/2	4,373.47	1/2	4,014.62	1/2	3,655.77	1/2	3,296.93	1/2	2,938.08	1/2	2,579.23
3/4		3/4		3/4	5,070.54	3/4	4,724.84	3/4	4,365.99	3/4	4,007.15	3/4	3,648.30	3/4	3,289.45	3/4	2,930.60	3/4	2,571.75
1		1		1	5,066.18	1	4,717.37	1	4,358.52	1	3,999.67	1	3,640.82	1	3,281.98	1	2,923.13	1	2,564.28
1/4		1/4		1/4	5,060.58	1/4	4,709.89	1/4	4,351.04	1/4	3,992.19	1/4	3,633.34	1/4	3,274.50	1/4	2,915.65	1/4	2,556.80
1/2		1/2		1/2	5,054.98	1/2	4,702.41	1/2	4,343.57	1/2	3,984.72	1/2	3,625.87	1/2	3,267.02	1/2	2,908.17	1/2	2,549.33
3/4		3/4		3/4	5,049.38	3/4	4,694.94	3/4	4,336.09	3/4	3,977.24	3/4	3,618.39	3/4	3,259.55	3/4	2,900.70	3/4	2,541.85
2		2		2	5,043.78	2	4,687.46	2	4,328.62	2	3,969.77	2	3,610.92	2	3,252.07	2	2,893.22	2	2,534.38
1/4		1/4		1/4	5,037.44	1/4	4,679.98	1/4	4,321.14	1/4	3,962.29	1/4	3,603.44	1/4	3,244.59	1/4	2,885.74	1/4	2,526.90
1/2		1/2		1/2	5,031.10	1/2	4,672.51	1/2	4,313.66	1/2	3,954.81	1/2	3,595.97	1/2	3,237.12	1/2	2,878.27	1/2	2,519.42
3/4		3/4		3/4	5,024.75	3/4	4,665.03	3/4	4,306.19	3/4	3,947.34	3/4	3,588.49	3/4	3,229.64	3/4	2,870.79	3/4	2,511.95
3		3		3	5,018.41	3	4,657.56	3	4,298.71	3	3,939.86	3	3,581.02	3	3,222.17	3	2,863.32	3	2,504.47
1/4		1/4		1/4	5,010.43	1/4	4,650.08	1/4	4,291.23	1/4	3,932.38	1/4	3,573.54	1/4	3,214.69	1/4	2,855.84	1/4	2,496.99
1/2		1/2		1/2	5,002.46	1/2	4,642.61	1/2	4,283.76	1/2	3,924.91	1/2	3,566.06	1/2	3,207.21	1/2	2,848.37	1/2	2,489.52
3/4		3/4		3/4	4,994.48	3/4	4,635.13	3/4	4,276.28	3/4	3,917.43	3/4	3,558.59	3/4	3,199.74	3/4	2,840.89	3/4	2,482.04
4		4		4	4,986.50	4	4,627.66	4	4,268.81	4	3,909.96	4	3,551.11	4	3,192.26	4	2,833.42	4	2,474.57
1/4		1/4		1/4	4,979.03	1/4	4,620.18	1/4	4,261.33	1/4	3,902.48	1/4	3,543.63	1/4	3,184.78	1/4	2,825.94	1/4	2,467.09
1/2		1/2		1/2	4,971.55	1/2	4,612.70	1/2	4,253.85	1/2	3,895.01	1/2	3,536.16	1/2	3,177.31	1/2	2,818.46	1/2	2,459.61
3/4		3/4		3/4	4,964.08	3/4	4,605.23	3/4	4,246.38	3/4	3,887.53	3/4	3,528.68	3/4	3,169.83	3/4	2,810.99	3/4	2,452.14
5		5		5	4,956.60	5	4,597.75	5	4,238.90	5	3,880.06	5	3,521.21	5	3,162.36	5	2,803.51	5	2,444.66
1/4		1/4		1/4	4,949.13	1/4	4,590.27	1/4	4,231.42	1/4	3,872.58	1/4	3,513.73	1/4	3,154.88	1/4	2,796.03	1/4	2,437.18
1/2		1/2		1/2	4,941.65	1/2	4,582.80	1/2	4,223.95	1/2	3,865.10	1/2	3,506.25	1/2	3,147.41	1/2	2,788.56	1/2	2,429.71
3/4		3/4		3/4	4,934.18	3/4	4,575.32	3/4	4,216.47	3/4	3,857.63	3/4	3,498.78	3/4	3,139.93	3/4	2,781.08	3/4	2,422.23
6		6		6	4,926.70	6	4,567.85	6	4,209.00	6	3,850.15	6	3,491.30	6	3,132.46	6	2,773.61	6	2,414.76
1/4		1/4		1/4	4,919.22	1/4	4,560.37	1/4	4,201.52	1/4	3,842.67	1/4	3,483.82	1/4	3,124.98	1/4	2,766.13	1/4	2,407.28
1/2		1/2		1/2	4,911.75	1/2	4,552.89	1/2	4,194.05	1/2	3,835.20	1/2	3,476.35	1/2	3,117.50	1/2	2,758.65	1/2	2,399.81
3/4		3/4		3/4	4,904.27	3/4	4,545.42	3/4	4,186.57	3/4	3,827.72	3/4	3,468.87	3/4	3,110.03	3/4	2,751.18	3/4	2,392.33
7		7		7	4,896.79	7	4,537.94	7	4,179.10	7	3,820.25	7	3,461.40	7	3,102.55	7	2,743.70	7	2,384.86
1/4		1/4		1/4	4,889.32	1/4	4,530.46	1/4	4,171.62	1/4	3,812.77	1/4	3,453.92	1/4	3,095.07	1/4	2,736.22	1/4	2,377.38
1/2		1/2		1/2	4,881.84	1/2	4,522.99	1/2	4,164.14	1/2	3,805.29	1/2	3,446.45	1/2	3,087.60	1/2	2,728.75	1/2	2,369.90
3/4		3/4		3/4	4,874.36	3/4	4,515.51	3/4	4,156.67	3/4	3,797.82	3/4	3,438.97	3/4	3,080.12	3/4	2,721.27	3/4	2,362.43
8		8		8	4,866.89	8	4,508.04	8	4,149.19	8	3,790.34	8	3,431.50	8	3,072.65	8	2,713.80	8	2,354.95
1/4		1/4		1/4	4,859.41	1/4	4,500.56	1/4	4,141.71	1/4	3,782.86	1/4	3,424.02	1/4	3,065.17	1/4	2,706.32	1/4	2,347.47
1/2		1/2		1/2	4,851.93	1/2	4,493.09	1/2	4,134.24	1/2	3,775.39	1/2	3,416.54	1/2	3,057.69	1/2	2,698.85	1/2	2,340.00
3/4		3/4		3/4	4,844.46	3/4	4,485.61	3/4	4,126.76	3/4	3,767.91	3/4	3,409.07	3/4	3,050.22	3/4	2,691.37	3/4	2,332.52
9		9	5,106.01	9	4,836.98	9	4,478.14	9	4,119.29	9	3,760.44	9	3,401.59	9	3,042.74	9	2,683.90	9	2,325.05
1/4		1/4	5,105.39	1/4	4,829.50	1/4	4,470.66	1/4	4,111.81	1/4	3,752.96	1/4	3,394.11	1/4	3,035.26	1/4	2,676.42	1/4	2,317.57
1/2		1/2	5,104.77	1/2	4,822.03	1/2	4,463.18	1/2	4,104.33	1/2	3,745.49	1/2	3,386.64	1/2	3,027.79	1/2	2,668.94	1/2	2,310.09
3/4		3/4	5,104.14	3/4	4,814.55	3/4	4,455.71	3/4	4,096.86	3/4	3,738.01	3/4	3,379.16	3/4	3,020.31	3/4	2,661.47	3/4	2,302.62
10		10	5,103.52	10	4,807.08	10	4,448.23	10	4,089.38	10	3,730.54	10	3,371.69	10	3,012.84	10	2,653.99	10	2,295.14
1/4		1/4	5,101.65	1/4	4,799.60	1/4	4,440.75	1/4	4,081.90	1/4	3,723.06	1/4	3,364.21	1/4	3,005.36	1/4	2,646.51	1/4	2,287.66
1/2		1/2	5,099.79	1/2	4,792.13	1/2	4,433.28	1/2	4,074.43	1/2	3,715.58	1/2	3,356.73	1/2	2,997.89	1/2	2,639.04	1/2	2,280.19
3/4		3/4	5,097.92	3/4	4,784.65	3/4	4,425.80	3/4	4,066.95	3/4	3,708.11	3/4	3,349.26	3/4	2,990.41	3/4	2,631.56	3/4	2,272.71
11		11	5,096.05	11	4,777.18	11	4,418.33	11	4,059.48	11	3,700.63	11	3,341.78	11	2,982.94	11	2,624.09	11	2,265.24
1/4		1/4	5,092.94	1/4	4,769.70	1/4	4,410.85	1/4	4,052.00	1/4	3,693.15	1/4	3,334.30	1/4	2,975.46	1/4	2,616.61	1/4	2,257.76
1/2		1/2	5,089.83	1/2	4,762.22	1/2	4,403.37	1/2	4,044.53	1/2	3,685.68	1/2	3,326.83	1/2	2,967.98	1/2	2,609.13	1/2	2,250.29
3/4		3/4	5,086.72	3/4	4,754.75	3/4	4,395.90	3/4	4,037.05	3/4	3,678.20	3/4	3,319.35	3/4	2,960.51	3/4	2,601.66	3/4	2,242.81

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'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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# BARGE "KIRBY 30034"

## 1 PORT ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30011"

GAUGE HEIGHT 16'-04"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,235.34	0	1,876.49	0	1,517.64	0	1,158.79	0	799.94	0	441.67	0	107.17	0		0		0	
1/4	2,227.86	1/4	1,869.01	1/4	1,510.17	1/4	1,151.32	1/4	792.47	1/4	434.39	1/4	100.64	1/4		1/4		1/4	
1/2	2,220.38	1/2	1,861.53	1/2	1,502.69	1/2	1,143.84	1/2	784.99	1/2	427.11	1/2	94.11	1/2		1/2		1/2	
3/4	2,212.91	3/4	1,854.06	3/4	1,495.22	3/4	1,136.37	3/4	777.52	3/4	419.83	3/4	87.57	3/4		3/4		3/4	
1	2,205.43	1	1,846.58	1	1,487.74	1	1,128.89	1	770.04	1	412.55	1	81.04	1		1		1	
1/4	2,197.95	1/4	1,839.10	1/4	1,480.26	1/4	1,121.41	1/4	762.57	1/4	405.27	1/4	74.51	1/4		1/4		1/4	
1/2	2,190.48	1/2	1,831.63	1/2	1,472.79	1/2	1,113.94	1/2	755.09	1/2	397.99	1/2	67.97	1/2		1/2		1/2	
3/4	2,183.00	3/4	1,824.15	3/4	1,465.31	3/4	1,106.46	3/4	747.62	3/4	390.71	3/4	61.44	3/4		3/4		3/4	
2	2,175.53	2	1,816.68	2	1,457.83	2	1,098.98	2	740.14	2	383.43	2	54.90	2		2		2	
1/4	2,168.05	1/4	1,809.20	1/4	1,450.36	1/4	1,091.51	1/4	732.66	1/4	376.28	1/4	49.23	1/4		1/4		1/4	
1/2	2,160.57	1/2	1,801.73	1/2	1,442.88	1/2	1,084.03	1/2	725.19	1/2	369.12	1/2	43.55	1/2		1/2		1/2	
3/4	2,153.10	3/4	1,794.26	3/4	1,435.41	3/4	1,076.56	3/4	717.71	3/4	361.97	3/4	37.88	3/4		3/4		3/4	
3	2,145.62	3	1,786.78	3	1,427.93	3	1,069.08	3	710.23	3	354.81	3	32.20	3		3		3	
1/4	2,138.14	1/4	1,779.30	1/4	1,420.45	1/4	1,061.61	1/4	702.76	1/4	347.66	1/4	27.99	1/4		1/4		1/4	
1/2	2,130.67	1/2	1,771.83	1/2	1,412.98	1/2	1,054.13	1/2	695.28	1/2	340.50	1/2	23.78	1/2		1/2		1/2	
3/4	2,123.19	3/4	1,764.35	3/4	1,405.50	3/4	1,046.66	3/4	687.81	3/4	333.35	3/4	19.57	3/4		3/4		3/4	
4	2,115.72	4	1,756.87	4	1,398.02	4	1,039.18	4	680.33	4	326.19	4	15.36	4		4		4	
1/4	2,108.24	1/4	1,749.40	1/4	1,390.55	1/4	1,031.70	1/4	672.85	1/4	319.16	1/4		1/4		1/4		1/4	
1/2	2,100.77	1/2	1,741.92	1/2	1,383.07	1/2	1,024.23	1/2	665.38	1/2	312.13	1/2		1/2		1/2		1/2	
3/4	2,093.29	3/4	1,734.45	3/4	1,375.60	3/4	1,016.75	3/4	657.90	3/4	305.10	3/4		3/4		3/4		3/4	
5	2,085.82	5	1,726.97	5	1,368.12	5	1,009.27	5	650.42	5	298.07	5		5		5		5	
1/4	2,078.34	1/4	1,719.49	1/4	1,360.65	1/4	1,001.80	1/4	642.95	1/4	291.04	1/4		1/4		1/4		1/4	
1/2	2,070.86	1/2	1,712.02	1/2	1,353.17	1/2	994.32	1/2	635.47	1/2	284.01	1/2		1/2		1/2		1/2	
3/4	2,063.39	3/4	1,704.54	3/4	1,345.70	3/4	986.85	3/4	628.00	3/4	276.97	3/4		3/4		3/4		3/4	
6	2,055.91	6	1,697.06	6	1,338.22	6	979.37	6	620.52	6	269.94	6		6		6		6	
1/4	2,048.43	1/4	1,689.59	1/4	1,330.74	1/4	971.89	1/4	613.05	1/4	263.04	1/4		1/4		1/4		1/4	
1/2	2,040.96	1/2	1,682.11	1/2	1,323.27	1/2	964.42	1/2	605.57	1/2	256.13	1/2		1/2		1/2		1/2	
3/4	2,033.48	3/4	1,674.64	3/4	1,315.79	3/4	956.94	3/4	598.10	3/4	249.23	3/4		3/4		3/4		3/4	
7	2,026.01	7	1,667.16	7	1,308.31	7	949.46	7	590.62	7	242.32	7		7		7		7	
1/4	2,018.53	1/4	1,659.69	1/4	1,300.84	1/4	941.99	1/4	583.14	1/4	235.41	1/4		1/4		1/4		1/4	
1/2	2,011.05	1/2	1,652.21	1/2	1,293.36	1/2	934.51	1/2	575.67	1/2	228.51	1/2		1/2		1/2		1/2	
3/4	2,003.58	3/4	1,644.74	3/4	1,285.89	3/4	927.04	3/4	568.19	3/4	221.60	3/4		3/4		3/4		3/4	
8	1,996.10	8	1,637.26	8	1,278.41	8	919.56	8	560.71	8	214.69	8		8		8		8	
1/4	1,988.62	1/4	1,629.78	1/4	1,270.93	1/4	912.09	1/4	553.24	1/4	207.91	1/4		1/4		1/4		1/4	
1/2	1,981.15	1/2	1,622.31	1/2	1,263.46	1/2	904.61	1/2	545.76	1/2	201.13	1/2		1/2		1/2		1/2	
3/4	1,973.67	3/4	1,614.83	3/4	1,255.98	3/4	897.14	3/4	538.29	3/4	194.34	3/4		3/4		3/4		3/4	
9	1,966.20	9	1,607.35	9	1,248.50	9	889.66	9	530.81	9	187.56	9		9		9		9	
1/4	1,958.72	1/4	1,599.88	1/4	1,241.03	1/4	882.18	1/4	523.33	1/4	180.78	1/4		1/4		1/4		1/4	
1/2	1,951.25	1/2	1,592.40	1/2	1,233.55	1/2	874.71	1/2	515.86	1/2	174.00	1/2		1/2		1/2		1/2	
3/4	1,943.77	3/4	1,584.93	3/4	1,226.08	3/4	867.23	3/4	508.38	3/4	167.21	3/4		3/4		3/4		3/4	
10	1,936.30	10	1,577.45	10	1,218.60	10	859.75	10	500.90	10	160.43	10		10		10		10	
1/4	1,928.82	1/4	1,569.97	1/4	1,211.13	1/4	852.28	1/4	493.50	1/4	153.77	1/4		1/4		1/4		1/4	
1/2	1,921.34	1/2	1,562.50	1/2	1,203.65	1/2	844.80	1/2	486.10	1/2	147.12	1/2		1/2		1/2		1/2	
3/4	1,913.87	3/4	1,555.02	3/4	1,196.18	3/4	837.33	3/4	478.69	3/4	140.46	3/4		3/4		3/4		3/4	
11	1,906.39	11	1,547.54	11	1,188.70	11	829.85	11	471.29	11	133.80	11		11		11		11	
1/4	1,898.91	1/4	1,540.07	1/4	1,181.22	1/4	822.37	1/4	463.89	1/4	127.14	1/4		1/4		1/4		1/4	
1/2	1,891.44	1/2	1,532.59	1/2	1,173.75	1/2	814.90	1/2	456.48	1/2	120.49	1/2		1/2		1/2		1/2	
3/4	1,883.96	3/4	1,525.12	3/4	1,166.27	3/4	807.42	3/4	449.08	3/4	113.83	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/12/2009 INSP.  
RECALCULATED: 03/28/2024 JS  
NAME CHANGE: 03/28/2024 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2024

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>





# BARGE "KIRBY 30034"

## 1 STBD ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30011"

GAUGE HEIGHT 16'-04 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	5,092.94	0	4,769.70	0	4,410.85	0	4,052.00	0	3,693.15	0	3,334.30	0	2,975.46	0	2,616.61
1/4		1/4		1/4	5,089.83	1/4	4,762.22	1/4	4,403.37	1/4	4,044.53	1/4	3,685.68	1/4	3,326.83	1/4	2,967.98	1/4	2,609.13
1/2		1/2		1/2	5,086.72	1/2	4,754.75	1/2	4,395.90	1/2	4,037.05	1/2	3,678.20	1/2	3,319.35	1/2	2,960.51	1/2	2,601.66
3/4		3/4		3/4	5,083.61	3/4	4,747.27	3/4	4,388.42	3/4	4,029.58	3/4	3,670.73	3/4	3,311.88	3/4	2,953.03	3/4	2,594.18
1		1		1	5,079.25	1	4,739.79	1	4,380.94	1	4,022.10	1	3,663.25	1	3,304.40	1	2,945.55	1	2,586.70
1/4		1/4		1/4	5,074.90	1/4	4,732.32	1/4	4,373.47	1/4	4,014.62	1/4	3,655.77	1/4	3,296.93	1/4	2,938.08	1/4	2,579.23
1/2		1/2		1/2	5,070.54	1/2	4,724.84	1/2	4,365.99	1/2	4,007.15	1/2	3,648.30	1/2	3,289.45	1/2	2,930.60	1/2	2,571.75
3/4		3/4		3/4	5,066.18	3/4	4,717.37	3/4	4,358.52	3/4	3,999.67	3/4	3,640.82	3/4	3,281.98	3/4	2,923.13	3/4	2,564.28
2		2		2	5,060.58	2	4,709.89	2	4,351.04	2	3,992.19	2	3,633.34	2	3,274.50	2	2,915.65	2	2,556.80
1/4		1/4		1/4	5,054.98	1/4	4,702.41	1/4	4,343.57	1/4	3,984.72	1/4	3,625.87	1/4	3,267.02	1/4	2,908.17	1/4	2,549.33
1/2		1/2		1/2	5,049.38	1/2	4,694.94	1/2	4,336.09	1/2	3,977.24	1/2	3,618.39	1/2	3,259.55	1/2	2,900.70	1/2	2,541.85
3/4		3/4		3/4	5,043.78	3/4	4,687.46	3/4	4,328.62	3/4	3,969.77	3/4	3,610.92	3/4	3,252.07	3/4	2,893.22	3/4	2,534.38
3		3		3	5,037.44	3	4,679.98	3	4,321.14	3	3,962.29	3	3,603.44	3	3,244.59	3	2,885.74	3	2,526.90
1/4		1/4		1/4	5,031.10	1/4	4,672.51	1/4	4,313.66	1/4	3,954.81	1/4	3,595.97	1/4	3,237.12	1/4	2,878.27	1/4	2,519.42
1/2		1/2		1/2	5,024.75	1/2	4,665.03	1/2	4,306.19	1/2	3,947.34	1/2	3,588.49	1/2	3,229.64	1/2	2,870.79	1/2	2,511.95
3/4		3/4		3/4	5,018.41	3/4	4,657.56	3/4	4,298.71	3/4	3,939.86	3/4	3,581.02	3/4	3,222.17	3/4	2,863.32	3/4	2,504.47
4		4		4	5,010.43	4	4,650.08	4	4,291.23	4	3,932.38	4	3,573.54	4	3,214.69	4	2,855.84	4	2,496.99
1/4		1/4		1/4	5,002.46	1/4	4,642.61	1/4	4,283.76	1/4	3,924.91	1/4	3,566.06	1/4	3,207.21	1/4	2,848.37	1/4	2,489.52
1/2		1/2		1/2	4,994.48	1/2	4,635.13	1/2	4,276.28	1/2	3,917.43	1/2	3,558.59	1/2	3,199.74	1/2	2,840.89	1/2	2,482.04
3/4		3/4		3/4	4,986.50	3/4	4,627.66	3/4	4,268.81	3/4	3,909.96	3/4	3,551.11	3/4	3,192.26	3/4	2,833.42	3/4	2,474.57
5		5		5	4,979.03	5	4,620.18	5	4,261.33	5	3,902.48	5	3,543.63	5	3,184.78	5	2,825.94	5	2,467.09
1/4		1/4		1/4	4,971.55	1/4	4,612.70	1/4	4,253.85	1/4	3,895.01	1/4	3,536.16	1/4	3,177.31	1/4	2,818.46	1/4	2,459.61
1/2		1/2		1/2	4,964.08	1/2	4,605.23	1/2	4,246.38	1/2	3,887.53	1/2	3,528.68	1/2	3,169.83	1/2	2,810.99	1/2	2,452.14
3/4		3/4		3/4	4,956.60	3/4	4,597.75	3/4	4,238.90	3/4	3,880.06	3/4	3,521.21	3/4	3,162.36	3/4	2,803.51	3/4	2,444.66
6		6		6	4,949.13	6	4,590.27	6	4,231.42	6	3,872.58	6	3,513.73	6	3,154.88	6	2,796.03	6	2,437.18
1/4		1/4		1/4	4,941.65	1/4	4,582.80	1/4	4,223.95	1/4	3,865.10	1/4	3,506.25	1/4	3,147.41	1/4	2,788.56	1/4	2,429.71
1/2		1/2		1/2	4,934.18	1/2	4,575.32	1/2	4,216.47	1/2	3,857.63	1/2	3,498.78	1/2	3,139.93	1/2	2,781.08	1/2	2,422.23
3/4		3/4		3/4	4,926.70	3/4	4,567.85	3/4	4,209.00	3/4	3,850.15	3/4	3,491.30	3/4	3,132.46	3/4	2,773.61	3/4	2,414.76
7		7		7	4,919.22	7	4,560.37	7	4,201.52	7	3,842.67	7	3,483.82	7	3,124.98	7	2,766.13	7	2,407.28
1/4		1/4		1/4	4,911.75	1/4	4,552.89	1/4	4,194.05	1/4	3,835.20	1/4	3,476.35	1/4	3,117.50	1/4	2,758.65	1/4	2,399.81
1/2		1/2		1/2	4,904.27	1/2	4,545.42	1/2	4,186.57	1/2	3,827.72	1/2	3,468.87	1/2	3,110.03	1/2	2,751.18	1/2	2,392.33
3/4		3/4		3/4	4,896.79	3/4	4,537.94	3/4	4,179.10	3/4	3,820.25	3/4	3,461.40	3/4	3,102.55	3/4	2,743.70	3/4	2,384.86
8		8		8	4,889.32	8	4,530.46	8	4,171.62	8	3,812.77	8	3,453.92	8	3,095.07	8	2,736.22	8	2,377.38
1/4		1/4		1/4	4,881.84	1/4	4,522.99	1/4	4,164.14	1/4	3,805.29	1/4	3,446.45	1/4	3,087.60	1/4	2,728.75	1/4	2,369.90
1/2		1/2		1/2	4,874.36	1/2	4,515.51	1/2	4,156.67	1/2	3,797.82	1/2	3,438.97	1/2	3,080.12	1/2	2,721.27	1/2	2,362.43
3/4		3/4		3/4	4,866.89	3/4	4,508.04	3/4	4,149.19	3/4	3,790.34	3/4	3,431.50	3/4	3,072.65	3/4	2,713.80	3/4	2,354.95
9		9		9	4,859.41	9	4,500.56	9	4,141.71	9	3,782.86	9	3,424.02	9	3,065.17	9	2,706.32	9	2,347.47
1/4		1/4		1/4	4,851.93	1/4	4,493.09	1/4	4,134.24	1/4	3,775.39	1/4	3,416.54	1/4	3,057.69	1/4	2,698.85	1/4	2,340.00
1/2		1/2		1/2	4,844.46	1/2	4,485.61	1/2	4,126.76	1/2	3,767.91	1/2	3,409.07	1/2	3,050.22	1/2	2,691.37	1/2	2,332.52
3/4		3/4		3/4	5,106.01	3/4	4,836.98	3/4	4,478.14	3/4	4,119.29	3/4	3,760.44	3/4	3,401.59	3/4	3,042.74	3/4	2,683.90
10		10		10	5,105.39	10	4,829.50	10	4,470.66	10	4,111.81	10	3,752.96	10	3,394.11	10	3,035.26	10	2,676.42
1/4		1/4		1/4	5,104.77	1/4	4,822.03	1/4	4,463.18	1/4	4,104.33	1/4	3,745.49	1/4	3,386.64	1/4	3,027.79	1/4	2,668.94
1/2		1/2		1/2	5,104.14	1/2	4,814.55	1/2	4,455.71	1/2	4,096.86	1/2	3,738.01	1/2	3,379.16	1/2	3,020.31	1/2	2,661.47
3/4		3/4		3/4	5,103.52	3/4	4,807.08	3/4	4,448.23	3/4	4,089.38	3/4	3,730.54	3/4	3,371.69	3/4	3,012.84	3/4	2,653.99
11		11		11	5,101.65	11	4,799.60	11	4,440.75	11	4,081.90	11	3,723.06	11	3,364.21	11	3,005.36	11	2,646.51
1/4		1/4		1/4	5,099.79	1/4	4,792.13	1/4	4,433.28	1/4	4,074.43	1/4	3,715.58	1/4	3,356.73	1/4	2,997.89	1/4	2,639.04
1/2		1/2		1/2	5,097.92	1/2	4,784.65	1/2	4,425.80	1/2	4,066.95	1/2	3,708.11	1/2	3,349.26	1/2	2,990.41	1/2	2,631.56
3/4		3/4		3/4	5,096.05	3/4	4,777.18	3/4	4,418.33	3/4	4,059.48	3/4	3,700.63	3/4	3,341.78	3/4	2,982.94	3/4	2,624.09

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'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 30034"

## 1 STBD ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30011"

GAUGE HEIGHT 16'-04 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,257.76	0	1,898.91	0	1,540.07	0	1,181.22	0	822.37	0	463.89	0	127.14	0		0		0	
1/4	2,250.29	1/4	1,891.44	1/4	1,532.59	1/4	1,173.75	1/4	814.90	1/4	456.48	1/4	120.49	1/4		1/4		1/4	
1/2	2,242.81	1/2	1,883.96	1/2	1,525.12	1/2	1,166.27	1/2	807.42	1/2	449.08	1/2	113.83	1/2		1/2		1/2	
3/4	2,235.34	3/4	1,876.49	3/4	1,517.64	3/4	1,158.79	3/4	799.94	3/4	441.67	3/4	107.17	3/4		3/4		3/4	
1	2,227.86	1	1,869.01	1	1,510.17	1	1,151.32	1	792.47	1	434.39	1	100.64	1		1		1	
1/4	2,220.38	1/4	1,861.53	1/4	1,502.69	1/4	1,143.84	1/4	784.99	1/4	427.11	1/4	94.11	1/4		1/4		1/4	
1/2	2,212.91	1/2	1,854.06	1/2	1,495.22	1/2	1,136.37	1/2	777.52	1/2	419.83	1/2	87.57	1/2		1/2		1/2	
3/4	2,205.43	3/4	1,846.58	3/4	1,487.74	3/4	1,128.89	3/4	770.04	3/4	412.55	3/4	81.04	3/4		3/4		3/4	
2	2,197.95	2	1,839.10	2	1,480.26	2	1,121.41	2	762.57	2	405.27	2	74.51	2		2		2	
1/4	2,190.48	1/4	1,831.63	1/4	1,472.79	1/4	1,113.94	1/4	755.09	1/4	397.99	1/4	67.97	1/4		1/4		1/4	
1/2	2,183.00	1/2	1,824.15	1/2	1,465.31	1/2	1,106.46	1/2	747.62	1/2	390.71	1/2	61.44	1/2		1/2		1/2	
3/4	2,175.53	3/4	1,816.68	3/4	1,457.83	3/4	1,098.98	3/4	740.14	3/4	383.43	3/4	54.90	3/4		3/4		3/4	
3	2,168.05	3	1,809.20	3	1,450.36	3	1,091.51	3	732.66	3	376.28	3	49.23	3		3		3	
1/4	2,160.57	1/4	1,801.73	1/4	1,442.88	1/4	1,084.03	1/4	725.19	1/4	369.12	1/4	43.55	1/4		1/4		1/4	
1/2	2,153.10	1/2	1,794.26	1/2	1,435.41	1/2	1,076.56	1/2	717.71	1/2	361.97	1/2	37.88	1/2		1/2		1/2	
3/4	2,145.62	3/4	1,786.78	3/4	1,427.93	3/4	1,069.08	3/4	710.23	3/4	354.81	3/4	32.20	3/4		3/4		3/4	
4	2,138.14	4	1,779.30	4	1,420.45	4	1,061.61	4	702.76	4	347.66	4	27.99	4		4		4	
1/4	2,130.67	1/4	1,771.83	1/4	1,412.98	1/4	1,054.13	1/4	695.28	1/4	340.50	1/4	23.78	1/4		1/4		1/4	
1/2	2,123.19	1/2	1,764.35	1/2	1,405.50	1/2	1,046.66	1/2	687.81	1/2	333.35	1/2	19.57	1/2		1/2		1/2	
3/4	2,115.72	3/4	1,756.87	3/4	1,398.02	3/4	1,039.18	3/4	680.33	3/4	326.19	3/4	15.36	3/4		3/4		3/4	
5	2,108.24	5	1,749.40	5	1,390.55	5	1,031.70	5	672.85	5	319.16	5		5		5		5	
1/4	2,100.77	1/4	1,741.92	1/4	1,383.07	1/4	1,024.23	1/4	665.38	1/4	312.13	1/4		1/4		1/4		1/4	
1/2	2,093.29	1/2	1,734.45	1/2	1,375.60	1/2	1,016.75	1/2	657.90	1/2	305.10	1/2		1/2		1/2		1/2	
3/4	2,085.82	3/4	1,726.97	3/4	1,368.12	3/4	1,009.27	3/4	650.42	3/4	298.07	3/4		3/4		3/4		3/4	
6	2,078.34	6	1,719.49	6	1,360.65	6	1,001.80	6	642.95	6	291.04	6		6		6		6	
1/4	2,070.86	1/4	1,712.02	1/4	1,353.17	1/4	994.32	1/4	635.47	1/4	284.01	1/4		1/4		1/4		1/4	
1/2	2,063.39	1/2	1,704.54	1/2	1,345.70	1/2	986.85	1/2	628.00	1/2	276.97	1/2		1/2		1/2		1/2	
3/4	2,055.91	3/4	1,697.06	3/4	1,338.22	3/4	979.37	3/4	620.52	3/4	269.94	3/4		3/4		3/4		3/4	
7	2,048.43	7	1,689.59	7	1,330.74	7	971.89	7	613.05	7	263.04	7		7		7		7	
1/4	2,040.96	1/4	1,682.11	1/4	1,323.27	1/4	964.42	1/4	605.57	1/4	256.13	1/4		1/4		1/4		1/4	
1/2	2,033.48	1/2	1,674.64	1/2	1,315.79	1/2	956.94	1/2	598.10	1/2	249.23	1/2		1/2		1/2		1/2	
3/4	2,026.01	3/4	1,667.16	3/4	1,308.31	3/4	949.46	3/4	590.62	3/4	242.32	3/4		3/4		3/4		3/4	
8	2,018.53	8	1,659.69	8	1,300.84	8	941.99	8	583.14	8	235.41	8		8		8		8	
1/4	2,011.05	1/4	1,652.21	1/4	1,293.36	1/4	934.51	1/4	575.67	1/4	228.51	1/4		1/4		1/4		1/4	
1/2	2,003.58	1/2	1,644.74	1/2	1,285.89	1/2	927.04	1/2	568.19	1/2	221.60	1/2		1/2		1/2		1/2	
3/4	1,996.10	3/4	1,637.26	3/4	1,278.41	3/4	919.56	3/4	560.71	3/4	214.69	3/4		3/4		3/4		3/4	
9	1,988.62	9	1,629.78	9	1,270.93	9	912.09	9	553.24	9	207.91	9		9		9		9	
1/4	1,981.15	1/4	1,622.31	1/4	1,263.46	1/4	904.61	1/4	545.76	1/4	201.13	1/4		1/4		1/4		1/4	
1/2	1,973.67	1/2	1,614.83	1/2	1,255.98	1/2	897.14	1/2	538.29	1/2	194.34	1/2		1/2		1/2		1/2	
3/4	1,966.20	3/4	1,607.35	3/4	1,248.50	3/4	889.66	3/4	530.81	3/4	187.56	3/4		3/4		3/4		3/4	
10	1,958.72	10	1,599.88	10	1,241.03	10	882.18	10	523.33	10	180.78	10		10		10		10	
1/4	1,951.25	1/4	1,592.40	1/4	1,233.55	1/4	874.71	1/4	515.86	1/4	174.00	1/4		1/4		1/4		1/4	
1/2	1,943.77	1/2	1,584.93	1/2	1,226.08	1/2	867.23	1/2	508.38	1/2	167.21	1/2		1/2		1/2		1/2	
3/4	1,936.30	3/4	1,577.45	3/4	1,218.60	3/4	859.75	3/4	500.90	3/4	160.43	3/4		3/4		3/4		3/4	
11	1,928.82	11	1,569.97	11	1,211.13	11	852.28	11	493.50	11	153.77	11		11		11		11	
1/4	1,921.34	1/4	1,562.50	1/4	1,203.65	1/4	844.80	1/4	486.10	1/4	147.12	1/4		1/4		1/4		1/4	
1/2	1,913.87	1/2	1,555.02	1/2	1,196.18	1/2	837.33	1/2	478.69	1/2	140.46	1/2		1/2		1/2		1/2	
3/4	1,906.39	3/4	1,547.54	3/4	1,188.70	3/4	829.85	3/4	471.29	3/4	133.80	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/12/2009 INSP.  
RECALCULATED: 03/28/2024 JS  
NAME CHANGE: 03/28/2024 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2024

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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





# BARGE "KIRBY 30034"

## 2 PORT ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30011"

GAUGE HEIGHT 16'-04"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	5,142.37	0	4,804.66	0	4,444.33	0	4,083.99	0	3,723.66	0	3,363.32	0	3,002.98	0	2,642.65
1/4		1/4		1/4	5,138.00	1/4	4,797.16	1/4	4,436.82	1/4	4,076.48	1/4	3,716.15	1/4	3,355.81	1/4	2,995.48	1/4	2,635.14
1/2		1/2		1/2	5,133.63	1/2	4,789.65	1/2	4,429.32	1/2	4,068.98	1/2	3,708.65	1/2	3,348.31	1/2	2,987.97	1/2	2,627.63
3/4		3/4		3/4	5,129.25	3/4	4,782.15	3/4	4,421.81	3/4	4,061.47	3/4	3,701.14	3/4	3,340.80	3/4	2,980.47	3/4	2,620.13
1		1		1	5,124.88	1	4,774.64	1	4,414.30	1	4,053.96	1	3,693.63	1	3,333.29	1	2,972.96	1	2,612.62
1/4		1/4		1/4	5,119.26	1/4	4,767.13	1/4	4,406.79	1/4	4,046.46	1/4	3,686.12	1/4	3,325.78	1/4	2,965.45	1/4	2,605.11
1/2		1/2		1/2	5,113.64	1/2	4,759.63	1/2	4,399.29	1/2	4,038.95	1/2	3,678.62	1/2	3,318.28	1/2	2,957.95	1/2	2,597.60
3/4		3/4		3/4	5,108.02	3/4	4,752.12	3/4	4,391.78	3/4	4,031.45	3/4	3,671.11	3/4	3,310.77	3/4	2,950.44	3/4	2,590.10
2		2		2	5,102.40	2	4,744.61	2	4,384.27	2	4,023.94	2	3,663.60	2	3,303.26	2	2,942.93	2	2,582.59
1/4		1/4		1/4	5,095.53	1/4	4,736.96	1/4	4,376.76	1/4	4,016.43	1/4	3,656.09	1/4	3,295.76	1/4	2,935.42	1/4	2,575.08
1/2		1/2		1/2	5,088.66	1/2	4,729.31	1/2	4,369.26	1/2	4,008.93	1/2	3,648.59	1/2	3,288.25	1/2	2,927.92	1/2	2,567.57
3/4		3/4		3/4	5,081.79	3/4	4,721.65	3/4	4,361.75	3/4	4,001.42	3/4	3,641.08	3/4	3,280.75	3/4	2,920.41	3/4	2,560.07
3		3		3	5,074.92	3	4,714.00	3	4,354.24	3	3,993.91	3	3,633.57	3	3,273.24	3	2,912.90	3	2,552.56
1/4		1/4		1/4	5,067.41	1/4	4,706.64	1/4	4,346.74	1/4	3,986.40	1/4	3,626.06	1/4	3,265.73	1/4	2,905.39	1/4	2,545.05
1/2		1/2		1/2	5,059.91	1/2	4,699.28	1/2	4,339.23	1/2	3,978.90	1/2	3,618.56	1/2	3,258.23	1/2	2,897.89	1/2	2,537.55
3/4		3/4		3/4	5,052.40	3/4	4,691.91	3/4	4,331.73	3/4	3,971.39	3/4	3,611.05	3/4	3,250.72	3/4	2,890.38	3/4	2,530.04
4		4		4	5,044.89	4	4,684.55	4	4,324.22	4	3,963.88	4	3,603.54	4	3,243.21	4	2,882.87	4	2,522.54
1/4		1/4		1/4	5,037.38	1/4	4,677.04	1/4	4,316.71	1/4	3,956.37	1/4	3,596.04	1/4	3,235.70	1/4	2,875.36	1/4	2,515.03
1/2		1/2		1/2	5,029.88	1/2	4,669.54	1/2	4,309.21	1/2	3,948.87	1/2	3,588.53	1/2	3,228.20	1/2	2,867.86	1/2	2,507.52
3/4		3/4		3/4	5,022.37	3/4	4,662.03	3/4	4,301.70	3/4	3,941.36	3/4	3,581.03	3/4	3,220.69	3/4	2,860.35	3/4	2,500.02
5		5		5	5,014.86	5	4,654.52	5	4,294.19	5	3,933.85	5	3,573.52	5	3,213.18	5	2,852.84	5	2,492.51
1/4		1/4		1/4	5,007.35	1/4	4,647.02	1/4	4,286.68	1/4	3,926.34	1/4	3,566.01	1/4	3,205.67	1/4	2,845.34	1/4	2,485.00
1/2		1/2		1/2	4,999.85	1/2	4,639.51	1/2	4,279.18	1/2	3,918.84	1/2	3,558.51	1/2	3,198.17	1/2	2,837.83	1/2	2,477.49
3/4		3/4		3/4	4,992.34	3/4	4,632.01	3/4	4,271.67	3/4	3,911.33	3/4	3,551.00	3/4	3,190.66	3/4	2,830.33	3/4	2,469.99
6		6		6	4,984.83	6	4,624.50	6	4,264.16	6	3,903.82	6	3,543.49	6	3,183.15	6	2,822.82	6	2,462.48
1/4		1/4		1/4	4,977.32	1/4	4,616.99	1/4	4,256.65	1/4	3,896.32	1/4	3,535.98	1/4	3,175.64	1/4	2,815.31	1/4	2,454.97
1/2		1/2		1/2	4,969.82	1/2	4,609.49	1/2	4,249.15	1/2	3,888.81	1/2	3,528.48	1/2	3,168.14	1/2	2,807.81	1/2	2,447.46
3/4		3/4		3/4	4,962.31	3/4	4,601.98	3/4	4,241.64	3/4	3,881.31	3/4	3,520.97	3/4	3,160.63	3/4	2,800.30	3/4	2,439.96
7		7		7	4,954.80	7	4,594.47	7	4,234.13	7	3,873.80	7	3,513.46	7	3,153.12	7	2,792.79	7	2,432.45
1/4		1/4		1/4	4,947.30	1/4	4,586.96	1/4	4,226.62	1/4	3,866.29	1/4	3,505.95	1/4	3,145.62	1/4	2,785.28	1/4	2,424.94
1/2		1/2		1/2	4,939.79	1/2	4,579.46	1/2	4,219.12	1/2	3,858.79	1/2	3,498.45	1/2	3,138.11	1/2	2,777.78	1/2	2,417.43
3/4		3/4		3/4	4,932.29	3/4	4,571.95	3/4	4,211.61	3/4	3,851.28	3/4	3,490.94	3/4	3,130.61	3/4	2,770.27	3/4	2,409.93
8		8		8	4,924.78	8	4,564.44	8	4,204.10	8	3,843.77	8	3,483.43	8	3,123.10	8	2,762.76	8	2,402.42
1/4		1/4		1/4	4,917.27	1/4	4,556.93	1/4	4,196.60	1/4	3,836.26	1/4	3,475.92	1/4	3,115.59	1/4	2,755.25	1/4	2,394.91
1/2		1/2		1/2	4,909.77	1/2	4,549.43	1/2	4,189.09	1/2	3,828.76	1/2	3,468.42	1/2	3,108.09	1/2	2,747.74	1/2	2,387.41
3/4		3/4		3/4	4,902.26	3/4	4,541.92	3/4	4,181.59	3/4	3,821.25	3/4	3,460.91	3/4	3,100.58	3/4	2,740.24	3/4	2,379.90
9		9	5,164.86	9	4,894.75	9	4,534.41	9	4,174.08	9	3,813.74	9	3,453.40	9	3,093.07	9	2,732.73	9	2,372.40
1/4		1/4	5,164.24	1/4	4,887.24	1/4	4,526.90	1/4	4,166.57	1/4	3,806.23	1/4	3,445.90	1/4	3,085.56	1/4	2,725.22	1/4	2,364.89
1/2		1/2	5,163.61	1/2	4,879.74	1/2	4,519.40	1/2	4,159.07	1/2	3,798.73	1/2	3,438.39	1/2	3,078.06	1/2	2,717.71	1/2	2,357.38
3/4		3/4	5,162.99	3/4	4,872.23	3/4	4,511.89	3/4	4,151.56	3/4	3,791.22	3/4	3,430.89	3/4	3,070.55	3/4	2,710.21	3/4	2,349.88
10		10	5,162.36	10	4,864.72	10	4,504.38	10	4,144.05	10	3,783.71	10	3,423.38	10	3,063.04	10	2,702.70	10	2,342.37
1/4		1/4	5,160.49	1/4	4,857.21	1/4	4,496.88	1/4	4,136.54	1/4	3,776.20	1/4	3,415.87	1/4	3,055.53	1/4	2,695.19	1/4	2,334.86
1/2		1/2	5,158.61	1/2	4,849.71	1/2	4,489.37	1/2	4,129.04	1/2	3,768.70	1/2	3,408.37	1/2	3,048.03	1/2	2,687.69	1/2	2,327.35
3/4		3/4	5,156.74	3/4	4,842.20	3/4	4,481.87	3/4	4,121.53	3/4	3,761.19	3/4	3,400.86	3/4	3,040.52	3/4	2,680.18	3/4	2,319.85
11		11	5,154.86	11	4,834.69	11	4,474.36	11	4,114.02	11	3,753.68	11	3,393.35	11	3,033.01	11	2,672.68	11	2,312.34
1/4		1/4	5,151.74	1/4	4,827.18	1/4	4,466.85	1/4	4,106.51	1/4	3,746.18	1/4	3,385.84	1/4	3,025.50	1/4	2,665.17	1/4	2,304.83
1/2		1/2	5,148.62	1/2	4,819.68	1/2	4,459.35	1/2	4,099.01	1/2	3,738.67	1/2	3,378.34	1/2	3,018.00	1/2	2,657.66	1/2	2,297.32
3/4		3/4	5,145.49	3/4	4,812.17	3/4	4,451.84	3/4	4,091.50	3/4	3,731.17	3/4	3,370.83	3/4	3,010.49	3/4	2,650.16	3/4	2,289.82

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 43'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 30034"

## 2 PORT ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30011"

GAUGE HEIGHT 16'-04"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,282.31	0	1,921.98	0	1,561.64	0	1,201.30	0	840.97	0	480.63	0	120.30	0		0		0	
1/4	2,274.80	1/4	1,914.47	1/4	1,554.13	1/4	1,193.79	1/4	833.46	1/4	473.12	1/4	112.79	1/4		1/4		1/4	
1/2	2,267.29	1/2	1,906.96	1/2	1,546.62	1/2	1,186.29	1/2	825.95	1/2	465.61	1/2	105.28	1/2		1/2		1/2	
3/4	2,259.79	3/4	1,899.46	3/4	1,539.12	3/4	1,178.78	3/4	818.45	3/4	458.11	3/4	97.78	3/4		3/4		3/4	
1	2,252.28	1	1,891.95	1	1,531.61	1	1,171.28	1	810.94	1	450.60	1	90.27	1		1		1	
1/4	2,244.77	1/4	1,884.44	1/4	1,524.10	1/4	1,163.77	1/4	803.43	1/4	443.09	1/4	82.76	1/4		1/4		1/4	
1/2	2,237.27	1/2	1,876.93	1/2	1,516.59	1/2	1,156.26	1/2	795.92	1/2	435.59	1/2	75.25	1/2		1/2		1/2	
3/4	2,229.76	3/4	1,869.43	3/4	1,509.09	3/4	1,148.76	3/4	788.42	3/4	428.08	3/4	67.75	3/4		3/4		3/4	
2	2,222.26	2	1,861.92	2	1,501.58	2	1,141.25	2	780.91	2	420.58	2	60.24	2		2		2	
1/4	2,214.75	1/4	1,854.41	1/4	1,494.07	1/4	1,133.74	1/4	773.40	1/4	413.07	1/4	53.68	1/4		1/4		1/4	
1/2	2,207.24	1/2	1,846.90	1/2	1,486.57	1/2	1,126.23	1/2	765.89	1/2	405.56	1/2	47.12	1/2		1/2		1/2	
3/4	2,199.74	3/4	1,839.40	3/4	1,479.06	3/4	1,118.73	3/4	758.39	3/4	398.06	3/4	40.57	3/4		3/4		3/4	
3	2,192.23	3	1,831.89	3	1,471.56	3	1,111.22	3	750.88	3	390.55	3	34.01	3		3		3	
1/4	2,184.72	1/4	1,824.38	1/4	1,464.05	1/4	1,103.71	1/4	743.37	1/4	383.04	1/4	29.32	1/4		1/4		1/4	
1/2	2,177.21	1/2	1,816.87	1/2	1,456.54	1/2	1,096.20	1/2	735.87	1/2	375.53	1/2	24.64	1/2		1/2		1/2	
3/4	2,169.71	3/4	1,809.37	3/4	1,449.04	3/4	1,088.70	3/4	728.36	3/4	368.03	3/4	19.95	3/4		3/4		3/4	
4	2,162.20	4	1,801.86	4	1,441.53	4	1,081.19	4	720.86	4	360.52	4	15.27	4		4		4	
1/4	2,154.69	1/4	1,794.35	1/4	1,434.02	1/4	1,073.68	1/4	713.35	1/4	353.01	1/4		1/4		1/4		1/4	
1/2	2,147.18	1/2	1,786.85	1/2	1,426.51	1/2	1,066.17	1/2	705.84	1/2	345.50	1/2		1/2		1/2		1/2	
3/4	2,139.68	3/4	1,779.34	3/4	1,419.01	3/4	1,058.67	3/4	698.34	3/4	338.00	3/4		3/4		3/4		3/4	
5	2,132.17	5	1,771.84	5	1,411.50	5	1,051.16	5	690.83	5	330.49	5		5		5		5	
1/4	2,124.66	1/4	1,764.33	1/4	1,403.99	1/4	1,043.65	1/4	683.32	1/4	322.98	1/4		1/4		1/4		1/4	
1/2	2,117.15	1/2	1,756.82	1/2	1,396.48	1/2	1,036.15	1/2	675.81	1/2	315.47	1/2		1/2		1/2		1/2	
3/4	2,109.65	3/4	1,749.32	3/4	1,388.98	3/4	1,028.64	3/4	668.31	3/4	307.97	3/4		3/4		3/4		3/4	
6	2,102.14	6	1,741.81	6	1,381.47	6	1,021.14	6	660.80	6	300.46	6		6		6		6	
1/4	2,094.63	1/4	1,734.30	1/4	1,373.96	1/4	1,013.63	1/4	653.29	1/4	292.95	1/4		1/4		1/4		1/4	
1/2	2,087.13	1/2	1,726.79	1/2	1,366.45	1/2	1,006.12	1/2	645.78	1/2	285.45	1/2		1/2		1/2		1/2	
3/4	2,079.62	3/4	1,719.29	3/4	1,358.95	3/4	998.62	3/4	638.28	3/4	277.94	3/4		3/4		3/4		3/4	
7	2,072.12	7	1,711.78	7	1,351.44	7	991.11	7	630.77	7	270.44	7		7		7		7	
1/4	2,064.61	1/4	1,704.27	1/4	1,343.93	1/4	983.60	1/4	623.26	1/4	262.93	1/4		1/4		1/4		1/4	
1/2	2,057.10	1/2	1,696.76	1/2	1,336.43	1/2	976.09	1/2	615.75	1/2	255.42	1/2		1/2		1/2		1/2	
3/4	2,049.60	3/4	1,689.26	3/4	1,328.92	3/4	968.59	3/4	608.25	3/4	247.92	3/4		3/4		3/4		3/4	
8	2,042.09	8	1,681.75	8	1,321.42	8	961.08	8	600.74	8	240.41	8		8		8		8	
1/4	2,034.58	1/4	1,674.24	1/4	1,313.91	1/4	953.57	1/4	593.23	1/4	232.90	1/4		1/4		1/4		1/4	
1/2	2,027.07	1/2	1,666.73	1/2	1,306.40	1/2	946.06	1/2	585.73	1/2	225.39	1/2		1/2		1/2		1/2	
3/4	2,019.57	3/4	1,659.23	3/4	1,298.90	3/4	938.56	3/4	578.22	3/4	217.89	3/4		3/4		3/4		3/4	
9	2,012.06	9	1,651.72	9	1,291.39	9	931.05	9	570.72	9	210.38	9		9		9		9	
1/4	2,004.55	1/4	1,644.21	1/4	1,283.88	1/4	923.54	1/4	563.21	1/4	202.87	1/4		1/4		1/4		1/4	
1/2	1,997.04	1/2	1,636.71	1/2	1,276.37	1/2	916.03	1/2	555.70	1/2	195.36	1/2		1/2		1/2		1/2	
3/4	1,989.54	3/4	1,629.20	3/4	1,268.87	3/4	908.53	3/4	548.20	3/4	187.86	3/4		3/4		3/4		3/4	
10	1,982.03	10	1,621.70	10	1,261.36	10	901.02	10	540.69	10	180.35	10		10		10		10	
1/4	1,974.52	1/4	1,614.19	1/4	1,253.85	1/4	893.51	1/4	533.18	1/4	172.84	1/4		1/4		1/4		1/4	
1/2	1,967.01	1/2	1,606.68	1/2	1,246.34	1/2	886.01	1/2	525.67	1/2	165.33	1/2		1/2		1/2		1/2	
3/4	1,959.51	3/4	1,599.18	3/4	1,238.84	3/4	878.50	3/4	518.17	3/4	157.83	3/4		3/4		3/4		3/4	
11	1,952.00	11	1,591.67	11	1,231.33	11	871.00	11	510.66	11	150.32	11		11		11		11	
1/4	1,944.49	1/4	1,584.16	1/4	1,223.82	1/4	863.49	1/4	503.15	1/4	142.81	1/4		1/4		1/4		1/4	
1/2	1,936.99	1/2	1,576.65	1/2	1,216.31	1/2	855.98	1/2	495.64	1/2	135.31	1/2		1/2		1/2		1/2	
3/4	1,929.48	3/4	1,569.15	3/4	1,208.81	3/4	848.48	3/4	488.14	3/4	127.80	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/12/2009 INSP.  
RECALCULATED: 03/28/2024 JS  
NAME CHANGE: 03/28/2024 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2024

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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





# BARGE "KIRBY 30034"

## 2 STBD ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30011"

GAUGE HEIGHT 16'-04 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	5,148.62	0	4,819.68	0	4,459.35	0	4,099.01	0	3,738.67	0	3,378.34	0	3,018.00	0	2,657.66
1/4		1/4		1/4	5,145.49	1/4	4,812.17	1/4	4,451.84	1/4	4,091.50	1/4	3,731.17	1/4	3,370.83	1/4	3,010.49	1/4	2,650.16
1/2		1/2		1/2	5,142.37	1/2	4,804.66	1/2	4,444.33	1/2	4,083.99	1/2	3,723.66	1/2	3,363.32	1/2	3,002.98	1/2	2,642.65
3/4		3/4		3/4	5,138.00	3/4	4,797.16	3/4	4,436.82	3/4	4,076.48	3/4	3,716.15	3/4	3,355.81	3/4	2,995.48	3/4	2,635.14
1		1		1	5,133.63	1	4,789.65	1	4,429.32	1	4,068.98	1	3,708.65	1	3,348.31	1	2,987.97	1	2,627.63
1/4		1/4		1/4	5,129.25	1/4	4,782.15	1/4	4,421.81	1/4	4,061.47	1/4	3,701.14	1/4	3,340.80	1/4	2,980.47	1/4	2,620.13
1/2		1/2		1/2	5,124.88	1/2	4,774.64	1/2	4,414.30	1/2	4,053.96	1/2	3,693.63	1/2	3,333.29	1/2	2,972.96	1/2	2,612.62
3/4		3/4		3/4	5,119.26	3/4	4,767.13	3/4	4,406.79	3/4	4,046.46	3/4	3,686.12	3/4	3,325.78	3/4	2,965.45	3/4	2,605.11
2		2		2	5,113.64	2	4,759.63	2	4,399.29	2	4,038.95	2	3,678.62	2	3,318.28	2	2,957.95	2	2,597.60
1/4		1/4		1/4	5,108.02	1/4	4,752.12	1/4	4,391.78	1/4	4,031.45	1/4	3,671.11	1/4	3,310.77	1/4	2,950.44	1/4	2,590.10
1/2		1/2		1/2	5,102.40	1/2	4,744.61	1/2	4,384.27	1/2	4,023.94	1/2	3,663.60	1/2	3,303.26	1/2	2,942.93	1/2	2,582.59
3/4		3/4		3/4	5,095.53	3/4	4,736.96	3/4	4,376.76	3/4	4,016.43	3/4	3,656.09	3/4	3,295.76	3/4	2,935.42	3/4	2,575.08
3		3		3	5,088.66	3	4,729.31	3	4,369.26	3	4,008.93	3	3,648.59	3	3,288.25	3	2,927.92	3	2,567.57
1/4		1/4		1/4	5,081.79	1/4	4,721.65	1/4	4,361.75	1/4	4,001.42	1/4	3,641.08	1/4	3,280.75	1/4	2,920.41	1/4	2,560.07
1/2		1/2		1/2	5,074.92	1/2	4,714.00	1/2	4,354.24	1/2	3,993.91	1/2	3,633.57	1/2	3,273.24	1/2	2,912.90	1/2	2,552.56
3/4		3/4		3/4	5,067.41	3/4	4,706.64	3/4	4,346.74	3/4	3,986.40	3/4	3,626.06	3/4	3,265.73	3/4	2,905.39	3/4	2,545.05
4		4		4	5,059.91	4	4,699.28	4	4,339.23	4	3,978.90	4	3,618.56	4	3,258.23	4	2,897.89	4	2,537.55
1/4		1/4		1/4	5,052.40	1/4	4,691.91	1/4	4,331.73	1/4	3,971.39	1/4	3,611.05	1/4	3,250.72	1/4	2,890.38	1/4	2,530.04
1/2		1/2		1/2	5,044.89	1/2	4,684.55	1/2	4,324.22	1/2	3,963.88	1/2	3,603.54	1/2	3,243.21	1/2	2,882.87	1/2	2,522.54
3/4		3/4		3/4	5,037.38	3/4	4,677.04	3/4	4,316.71	3/4	3,956.37	3/4	3,596.04	3/4	3,235.70	3/4	2,875.36	3/4	2,515.03
5		5		5	5,029.88	5	4,669.54	5	4,309.21	5	3,948.87	5	3,588.53	5	3,228.20	5	2,867.86	5	2,507.52
1/4		1/4		1/4	5,022.37	1/4	4,662.03	1/4	4,301.70	1/4	3,941.36	1/4	3,581.03	1/4	3,220.69	1/4	2,860.35	1/4	2,500.02
1/2		1/2		1/2	5,014.86	1/2	4,654.52	1/2	4,294.19	1/2	3,933.85	1/2	3,573.52	1/2	3,213.18	1/2	2,852.84	1/2	2,492.51
3/4		3/4		3/4	5,007.35	3/4	4,647.02	3/4	4,286.68	3/4	3,926.34	3/4	3,566.01	3/4	3,205.67	3/4	2,845.34	3/4	2,485.00
6		6		6	4,999.85	6	4,639.51	6	4,279.18	6	3,918.84	6	3,558.51	6	3,198.17	6	2,837.83	6	2,477.49
1/4		1/4		1/4	4,992.34	1/4	4,632.01	1/4	4,271.67	1/4	3,911.33	1/4	3,551.00	1/4	3,190.66	1/4	2,830.33	1/4	2,469.99
1/2		1/2		1/2	4,984.83	1/2	4,624.50	1/2	4,264.16	1/2	3,903.82	1/2	3,543.49	1/2	3,183.15	1/2	2,822.82	1/2	2,462.48
3/4		3/4		3/4	4,977.32	3/4	4,616.99	3/4	4,256.65	3/4	3,896.32	3/4	3,535.98	3/4	3,175.64	3/4	2,815.31	3/4	2,454.97
7		7		7	4,969.82	7	4,609.49	7	4,249.15	7	3,888.81	7	3,528.48	7	3,168.14	7	2,807.81	7	2,447.46
1/4		1/4		1/4	4,962.31	1/4	4,601.98	1/4	4,241.64	1/4	3,881.31	1/4	3,520.97	1/4	3,160.63	1/4	2,800.30	1/4	2,439.96
1/2		1/2		1/2	4,954.80	1/2	4,594.47	1/2	4,234.13	1/2	3,873.80	1/2	3,513.46	1/2	3,153.12	1/2	2,792.79	1/2	2,432.45
3/4		3/4		3/4	4,947.30	3/4	4,586.96	3/4	4,226.62	3/4	3,866.29	3/4	3,505.95	3/4	3,145.62	3/4	2,785.28	3/4	2,424.94
8		8		8	4,939.79	8	4,579.46	8	4,219.12	8	3,858.79	8	3,498.45	8	3,138.11	8	2,777.78	8	2,417.43
1/4		1/4		1/4	4,932.29	1/4	4,571.95	1/4	4,211.61	1/4	3,851.28	1/4	3,490.94	1/4	3,130.61	1/4	2,770.27	1/4	2,409.93
1/2		1/2		1/2	4,924.78	1/2	4,564.44	1/2	4,204.10	1/2	3,843.77	1/2	3,483.43	1/2	3,123.10	1/2	2,762.76	1/2	2,402.42
3/4		3/4		3/4	4,917.27	3/4	4,556.93	3/4	4,196.60	3/4	3,836.26	3/4	3,475.92	3/4	3,115.59	3/4	2,755.25	3/4	2,394.91
9		9		9	4,909.77	9	4,549.43	9	4,189.09	9	3,828.76	9	3,468.42	9	3,108.09	9	2,747.74	9	2,387.41
1/4		1/4		1/4	4,902.26	1/4	4,541.92	1/4	4,181.59	1/4	3,821.25	1/4	3,460.91	1/4	3,100.58	1/4	2,740.24	1/4	2,379.90
1/2		1/2		1/2	5,164.86	1/2	4,894.75	1/2	4,534.41	1/2	4,174.08	1/2	3,813.74	1/2	3,453.40	1/2	3,093.07	1/2	2,732.73
3/4		3/4		3/4	5,164.24	3/4	4,887.24	3/4	4,526.90	3/4	4,166.57	3/4	3,806.23	3/4	3,445.90	3/4	3,085.56	3/4	2,725.22
10		10		10	5,163.61	10	4,879.74	10	4,519.40	10	4,159.07	10	3,798.73	10	3,438.39	10	3,078.06	10	2,717.71
1/4		1/4		1/4	5,162.99	1/4	4,872.23	1/4	4,511.89	1/4	4,151.56	1/4	3,791.22	1/4	3,430.89	1/4	3,070.55	1/4	2,710.21
1/2		1/2		1/2	5,162.36	1/2	4,864.72	1/2	4,504.38	1/2	4,144.05	1/2	3,783.71	1/2	3,423.38	1/2	3,063.04	1/2	2,702.70
3/4		3/4		3/4	5,160.49	3/4	4,857.21	3/4	4,496.88	3/4	4,136.54	3/4	3,776.20	3/4	3,415.87	3/4	3,055.53	3/4	2,695.19
11		11		11	5,158.61	11	4,849.71	11	4,489.37	11	4,129.04	11	3,768.70	11	3,408.37	11	3,048.03	11	2,687.69
1/4		1/4		1/4	5,156.74	1/4	4,842.20	1/4	4,481.87	1/4	4,121.53	1/4	3,761.19	1/4	3,400.86	1/4	3,040.52	1/4	2,680.18
1/2		1/2		1/2	5,154.86	1/2	4,834.69	1/2	4,474.36	1/2	4,114.02	1/2	3,753.68	1/2	3,393.35	1/2	3,033.01	1/2	2,672.68
3/4		3/4		3/4	5,151.74	3/4	4,827.18	3/4	4,466.85	3/4	4,106.51	3/4	3,746.18	3/4	3,385.84	3/4	3,025.50	3/4	2,665.17

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'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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





# BARGE "KIRBY 30034"

## 2 STBD ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30011"

GAUGE HEIGHT 16'-04 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,297.32	0	1,936.99	0	1,576.65	0	1,216.31	0	855.98	0	495.64	0	135.31	0		0		0	
1/4	2,289.82	1/4	1,929.48	1/4	1,569.15	1/4	1,208.81	1/4	848.48	1/4	488.14	1/4	127.80	1/4		1/4		1/4	
1/2	2,282.31	1/2	1,921.98	1/2	1,561.64	1/2	1,201.30	1/2	840.97	1/2	480.63	1/2	120.30	1/2		1/2		1/2	
3/4	2,274.80	3/4	1,914.47	3/4	1,554.13	3/4	1,193.79	3/4	833.46	3/4	473.12	3/4	112.79	3/4		3/4		3/4	
1	2,267.29	1	1,906.96	1	1,546.62	1	1,186.29	1	825.95	1	465.61	1	105.28	1		1		1	
1/4	2,259.79	1/4	1,899.46	1/4	1,539.12	1/4	1,178.78	1/4	818.45	1/4	458.11	1/4	97.78	1/4		1/4		1/4	
1/2	2,252.28	1/2	1,891.95	1/2	1,531.61	1/2	1,171.28	1/2	810.94	1/2	450.60	1/2	90.27	1/2		1/2		1/2	
3/4	2,244.77	3/4	1,884.44	3/4	1,524.10	3/4	1,163.77	3/4	803.43	3/4	443.09	3/4	82.76	3/4		3/4		3/4	
2	2,237.27	2	1,876.93	2	1,516.59	2	1,156.26	2	795.92	2	435.59	2	75.25	2		2		2	
1/4	2,229.76	1/4	1,869.43	1/4	1,509.09	1/4	1,148.76	1/4	788.42	1/4	428.08	1/4	67.75	1/4		1/4		1/4	
1/2	2,222.26	1/2	1,861.92	1/2	1,501.58	1/2	1,141.25	1/2	780.91	1/2	420.58	1/2	60.24	1/2		1/2		1/2	
3/4	2,214.75	3/4	1,854.41	3/4	1,494.07	3/4	1,133.74	3/4	773.40	3/4	413.07	3/4	53.68	3/4		3/4		3/4	
3	2,207.24	3	1,846.90	3	1,486.57	3	1,126.23	3	765.89	3	405.56	3	47.12	3		3		3	
1/4	2,199.74	1/4	1,839.40	1/4	1,479.06	1/4	1,118.73	1/4	758.39	1/4	398.06	1/4	40.57	1/4		1/4		1/4	
1/2	2,192.23	1/2	1,831.89	1/2	1,471.56	1/2	1,111.22	1/2	750.88	1/2	390.55	1/2	34.01	1/2		1/2		1/2	
3/4	2,184.72	3/4	1,824.38	3/4	1,464.05	3/4	1,103.71	3/4	743.37	3/4	383.04	3/4	29.32	3/4		3/4		3/4	
4	2,177.21	4	1,816.87	4	1,456.54	4	1,096.20	4	735.87	4	375.53	4	24.64	4		4		4	
1/4	2,169.71	1/4	1,809.37	1/4	1,449.04	1/4	1,088.70	1/4	728.36	1/4	368.03	1/4	19.95	1/4		1/4		1/4	
1/2	2,162.20	1/2	1,801.86	1/2	1,441.53	1/2	1,081.19	1/2	720.86	1/2	360.52	1/2	15.27	1/2		1/2		1/2	
3/4	2,154.69	3/4	1,794.35	3/4	1,434.02	3/4	1,073.68	3/4	713.35	3/4	353.01	3/4		3/4		3/4		3/4	
5	2,147.18	5	1,786.85	5	1,426.51	5	1,066.17	5	705.84	5	345.50	5		5		5		5	
1/4	2,139.68	1/4	1,779.34	1/4	1,419.01	1/4	1,058.67	1/4	698.34	1/4	338.00	1/4		1/4		1/4		1/4	
1/2	2,132.17	1/2	1,771.84	1/2	1,411.50	1/2	1,051.16	1/2	690.83	1/2	330.49	1/2		1/2		1/2		1/2	
3/4	2,124.66	3/4	1,764.33	3/4	1,403.99	3/4	1,043.65	3/4	683.32	3/4	322.98	3/4		3/4		3/4		3/4	
6	2,117.15	6	1,756.82	6	1,396.48	6	1,036.15	6	675.81	6	315.47	6		6		6		6	
1/4	2,109.65	1/4	1,749.32	1/4	1,388.98	1/4	1,028.64	1/4	668.31	1/4	307.97	1/4		1/4		1/4		1/4	
1/2	2,102.14	1/2	1,741.81	1/2	1,381.47	1/2	1,021.14	1/2	660.80	1/2	300.46	1/2		1/2		1/2		1/2	
3/4	2,094.63	3/4	1,734.30	3/4	1,373.96	3/4	1,013.63	3/4	653.29	3/4	292.95	3/4		3/4		3/4		3/4	
7	2,087.13	7	1,726.79	7	1,366.45	7	1,006.12	7	645.78	7	285.45	7		7		7		7	
1/4	2,079.62	1/4	1,719.29	1/4	1,358.95	1/4	998.62	1/4	638.28	1/4	277.94	1/4		1/4		1/4		1/4	
1/2	2,072.12	1/2	1,711.78	1/2	1,351.44	1/2	991.11	1/2	630.77	1/2	270.44	1/2		1/2		1/2		1/2	
3/4	2,064.61	3/4	1,704.27	3/4	1,343.93	3/4	983.60	3/4	623.26	3/4	262.93	3/4		3/4		3/4		3/4	
8	2,057.10	8	1,696.76	8	1,336.43	8	976.09	8	615.75	8	255.42	8		8		8		8	
1/4	2,049.60	1/4	1,689.26	1/4	1,328.92	1/4	968.59	1/4	608.25	1/4	247.92	1/4		1/4		1/4		1/4	
1/2	2,042.09	1/2	1,681.75	1/2	1,321.42	1/2	961.08	1/2	600.74	1/2	240.41	1/2		1/2		1/2		1/2	
3/4	2,034.58	3/4	1,674.24	3/4	1,313.91	3/4	953.57	3/4	593.23	3/4	232.90	3/4		3/4		3/4		3/4	
9	2,027.07	9	1,666.73	9	1,306.40	9	946.06	9	585.73	9	225.39	9		9		9		9	
1/4	2,019.57	1/4	1,659.23	1/4	1,298.90	1/4	938.56	1/4	578.22	1/4	217.89	1/4		1/4		1/4		1/4	
1/2	2,012.06	1/2	1,651.72	1/2	1,291.39	1/2	931.05	1/2	570.72	1/2	210.38	1/2		1/2		1/2		1/2	
3/4	2,004.55	3/4	1,644.21	3/4	1,283.88	3/4	923.54	3/4	563.21	3/4	202.87	3/4		3/4		3/4		3/4	
10	1,997.04	10	1,636.71	10	1,276.37	10	916.03	10	555.70	10	195.36	10		10		10		10	
1/4	1,989.54	1/4	1,629.20	1/4	1,268.87	1/4	908.53	1/4	548.20	1/4	187.86	1/4		1/4		1/4		1/4	
1/2	1,982.03	1/2	1,621.70	1/2	1,261.36	1/2	901.02	1/2	540.69	1/2	180.35	1/2		1/2		1/2		1/2	
3/4	1,974.52	3/4	1,614.19	3/4	1,253.85	3/4	893.51	3/4	533.18	3/4	172.84	3/4		3/4		3/4		3/4	
11	1,967.01	11	1,606.68	11	1,246.34	11	886.01	11	525.67	11	165.33	11		11		11		11	
1/4	1,959.51	1/4	1,599.18	1/4	1,238.84	1/4	878.50	1/4	518.17	1/4	157.83	1/4		1/4		1/4		1/4	
1/2	1,952.00	1/2	1,591.67	1/2	1,231.33	1/2	871.00	1/2	510.66	1/2	150.32	1/2		1/2		1/2		1/2	
3/4	1,944.49	3/4	1,584.16	3/4	1,223.82	3/4	863.49	3/4	503.15	3/4	142.81	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/12/2009 INSP.  
RECALCULATED: 03/28/2024 JS  
NAME CHANGE: 03/28/2024 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2024

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 30034"

## 3 PORT ULLAGE TABLE

### "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30011"

GAUGE HEIGHT 16'-04 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,716.25	0	4,466.62	0	4,196.42	0	3,926.23	0	3,652.26	0	3,356.05	0	2,997.30	0	2,638.55
1/4		1/4		1/4	4,713.97	1/4	4,460.99	1/4	4,190.79	1/4	3,920.60	1/4	3,646.52	1/4	3,348.58	1/4	2,989.82	1/4	2,631.07
1/2		1/2		1/2	4,710.73	1/2	4,455.36	1/2	4,185.16	1/2	3,914.97	1/2	3,640.78	1/2	3,341.11	1/2	2,982.35	1/2	2,623.60
3/4		3/4		3/4	4,707.49	3/4	4,449.73	3/4	4,179.54	3/4	3,909.35	3/4	3,635.05	3/4	3,333.63	3/4	2,974.88	3/4	2,616.13
1		1		1	4,704.25	1	4,444.10	1	4,173.91	1	3,903.72	1	3,629.31	1	3,326.16	1	2,967.40	1	2,608.65
1/4		1/4		1/4	4,701.01	1/4	4,438.47	1/4	4,168.28	1/4	3,898.09	1/4	3,623.57	1/4	3,318.68	1/4	2,959.93	1/4	2,601.18
1/2		1/2		1/2	4,696.82	1/2	4,432.84	1/2	4,162.65	1/2	3,892.46	1/2	3,617.84	1/2	3,311.21	1/2	2,952.46	1/2	2,593.71
3/4		3/4		3/4	4,692.62	3/4	4,427.21	3/4	4,157.02	3/4	3,886.83	3/4	3,612.10	3/4	3,303.73	3/4	2,944.98	3/4	2,586.23
2		2		2	4,688.43	2	4,421.58	2	4,151.39	2	3,881.20	2	3,606.37	2	3,296.26	2	2,937.51	2	2,578.76
1/4		1/4		1/4	4,684.23	1/4	4,415.95	1/4	4,145.76	1/4	3,875.57	1/4	3,600.63	1/4	3,288.78	1/4	2,930.03	1/4	2,571.28
1/2		1/2		1/2	4,679.08	1/2	4,410.32	1/2	4,140.13	1/2	3,869.94	1/2	3,594.89	1/2	3,281.31	1/2	2,922.56	1/2	2,563.81
3/4		3/4		3/4	4,673.93	3/4	4,404.70	3/4	4,134.51	3/4	3,864.31	3/4	3,589.16	3/4	3,273.84	3/4	2,915.09	3/4	2,556.33
3		3		3	4,668.78	3	4,399.07	3	4,128.88	3	3,858.68	3	3,583.42	3	3,266.36	3	2,907.61	3	2,548.86
1/4		1/4		1/4	4,663.63	1/4	4,393.44	1/4	4,123.25	1/4	3,853.05	1/4	3,577.68	1/4	3,258.89	1/4	2,900.14	1/4	2,541.38
1/2		1/2		1/2	4,658.00	1/2	4,387.81	1/2	4,117.62	1/2	3,847.32	1/2	3,571.93	1/2	3,251.42	1/2	2,892.67	1/2	2,533.91
3/4		3/4		3/4	4,652.37	3/4	4,382.18	3/4	4,111.99	3/4	3,841.58	3/4	3,566.17	3/4	3,243.94	3/4	2,885.19	3/4	2,526.44
4		4		4	4,646.74	4	4,376.55	4	4,106.36	4	3,835.85	4	3,560.42	4	3,236.47	4	2,877.72	4	2,518.96
1/4		1/4		1/4	4,641.11	1/4	4,370.92	1/4	4,100.73	1/4	3,830.11	1/4	3,554.66	1/4	3,228.99	1/4	2,870.24	1/4	2,511.49
1/2		1/2		1/2	4,635.48	1/2	4,365.29	1/2	4,095.10	1/2	3,824.37	1/2	3,548.85	1/2	3,221.52	1/2	2,862.77	1/2	2,504.02
3/4		3/4		3/4	4,629.86	3/4	4,359.67	3/4	4,089.47	3/4	3,818.64	3/4	3,543.04	3/4	3,214.05	3/4	2,855.29	3/4	2,496.54
5		5		5	4,624.23	5	4,354.04	5	4,083.84	5	3,812.90	5	3,537.23	5	3,206.57	5	2,847.82	5	2,489.07
1/4		1/4		1/4	4,618.60	1/4	4,348.41	1/4	4,078.21	1/4	3,807.16	1/4	3,531.42	1/4	3,199.10	1/4	2,840.34	1/4	2,481.59
1/2		1/2		1/2	4,612.97	1/2	4,342.78	1/2	4,072.58	1/2	3,801.42	1/2	3,525.54	1/2	3,191.63	1/2	2,832.87	1/2	2,474.12
3/4		3/4		3/4	4,607.34	3/4	4,337.15	3/4	4,066.96	3/4	3,795.69	3/4	3,519.66	3/4	3,184.15	3/4	2,825.40	3/4	2,466.65
6		6		6	4,601.71	6	4,331.52	6	4,061.33	6	3,789.95	6	3,513.78	6	3,176.68	6	2,817.92	6	2,459.17
1/4		1/4		1/4	4,596.08	1/4	4,325.89	1/4	4,055.70	1/4	3,784.21	1/4	3,507.90	1/4	3,169.20	1/4	2,810.45	1/4	2,451.70
1/2		1/2		1/2	4,590.45	1/2	4,320.26	1/2	4,050.07	1/2	3,778.47	1/2	3,501.95	1/2	3,161.73	1/2	2,802.98	1/2	2,444.23
3/4		3/4		3/4	4,584.83	3/4	4,314.63	3/4	4,044.44	3/4	3,772.74	3/4	3,495.99	3/4	3,154.25	3/4	2,795.50	3/4	2,436.75
7		7		7	4,579.20	7	4,309.00	7	4,038.81	7	3,767.00	7	3,490.04	7	3,146.78	7	2,788.03	7	2,429.28
1/4		1/4		1/4	4,573.57	1/4	4,303.37	1/4	4,033.18	1/4	3,761.26	1/4	3,484.08	1/4	3,139.30	1/4	2,780.55	1/4	2,421.80
1/2		1/2		1/2	4,567.94	1/2	4,297.74	1/2	4,027.55	1/2	3,755.52	1/2	3,478.06	1/2	3,131.83	1/2	2,773.08	1/2	2,414.33
3/4		3/4		3/4	4,562.31	3/4	4,292.12	3/4	4,021.93	3/4	3,749.79	3/4	3,472.03	3/4	3,124.36	3/4	2,765.61	3/4	2,406.85
8		8		8	4,556.68	8	4,286.49	8	4,016.30	8	3,744.05	8	3,466.01	8	3,116.88	8	2,758.13	8	2,399.38
1/4		1/4		1/4	4,551.05	1/4	4,280.86	1/4	4,010.67	1/4	3,738.31	1/4	3,459.98	1/4	3,109.41	1/4	2,750.66	1/4	2,391.90
1/2		1/2		1/2	4,545.42	1/2	4,275.23	1/2	4,005.04	1/2	3,732.58	1/2	3,453.88	1/2	3,101.94	1/2	2,743.19	1/2	2,384.43
3/4		3/4		3/4	4,539.79	3/4	4,269.60	3/4	3,999.41	3/4	3,726.84	3/4	3,447.78	3/4	3,094.46	3/4	2,735.71	3/4	2,376.96
9		9		9	4,534.16	9	4,263.97	9	3,993.78	9	3,721.11	9	3,441.68	9	3,086.99	9	2,728.24	9	2,369.48
1/4		1/4		1/4	4,729.88	1/4	4,528.53	1/4	4,258.34	1/4	3,988.15	1/4	3,715.37	1/4	3,435.58	1/4	3,079.51	1/4	2,720.76
1/2		1/2		1/2	4,729.51	1/2	4,522.90	1/2	4,252.71	1/2	3,982.52	1/2	3,709.63	1/2	3,428.78	1/2	3,072.04	1/2	2,713.29
3/4		3/4		3/4	4,729.14	3/4	4,517.28	3/4	4,247.09	3/4	3,976.89	3/4	3,703.90	3/4	3,421.98	3/4	3,064.57	3/4	2,705.81
10		10		10	4,728.77	10	4,511.65	10	4,241.46	10	3,971.26	10	3,698.16	10	3,415.17	10	3,057.09	10	2,698.34
1/4		1/4		1/4	4,728.40	1/4	4,506.02	1/4	4,235.83	1/4	3,965.63	1/4	3,692.42	1/4	3,408.37	1/4	3,049.62	1/4	2,690.86
1/2		1/2		1/2	4,727.07	1/2	4,500.39	1/2	4,230.20	1/2	3,960.00	1/2	3,686.68	1/2	3,400.90	1/2	3,042.15	1/2	2,683.39
3/4		3/4		3/4	4,725.75	3/4	4,494.76	3/4	4,224.57	3/4	3,954.38	3/4	3,680.95	3/4	3,393.42	3/4	3,034.67	3/4	2,675.92
11		11		11	4,724.42	11	4,489.13	11	4,218.94	11	3,948.75	11	3,675.21	11	3,385.95	11	3,027.20	11	2,668.44
1/4		1/4		1/4	4,723.09	1/4	4,483.50	1/4	4,213.31	1/4	3,943.12	1/4	3,669.47	1/4	3,378.47	1/4	3,019.72	1/4	2,660.97
1/2		1/2		1/2	4,720.81	1/2	4,477.87	1/2	4,207.68	1/2	3,937.49	1/2	3,663.73	1/2	3,371.00	1/2	3,012.25	1/2	2,653.50
3/4		3/4		3/4	4,718.53	3/4	4,472.25	3/4	4,202.05	3/4	3,931.86	3/4	3,658.00	3/4	3,363.53	3/4	3,004.77	3/4	2,646.02

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 30034"

## 3 PORT ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30011"

GAUGE HEIGHT 16'-04 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,279.80	0	1,921.04	0	1,562.29	0	1,203.54	0	844.79	0	486.04	0	127.28	0		0		0	
1/4	2,272.32	1/4	1,913.57	1/4	1,554.82	1/4	1,196.06	1/4	837.31	1/4	478.56	1/4	119.81	1/4		1/4		1/4	
1/2	2,264.85	1/2	1,906.10	1/2	1,547.35	1/2	1,188.59	1/2	829.84	1/2	471.09	1/2	112.34	1/2		1/2		1/2	
3/4	2,257.37	3/4	1,898.62	3/4	1,539.87	3/4	1,181.12	3/4	822.37	3/4	463.61	3/4	104.86	3/4		3/4		3/4	
1	2,249.90	1	1,891.15	1	1,532.40	1	1,173.64	1	814.89	1	456.14	1	97.39	1		1		1	
1/4	2,242.42	1/4	1,883.67	1/4	1,524.92	1/4	1,166.17	1/4	807.42	1/4	448.66	1/4	89.91	1/4		1/4		1/4	
1/2	2,234.95	1/2	1,876.20	1/2	1,517.45	1/2	1,158.70	1/2	799.95	1/2	441.19	1/2	82.44	1/2		1/2		1/2	
3/4	2,227.48	3/4	1,868.73	3/4	1,509.97	3/4	1,151.22	3/4	792.47	3/4	433.72	3/4	74.97	3/4		3/4		3/4	
2	2,220.00	2	1,861.25	2	1,502.50	2	1,143.75	2	785.00	2	426.24	2	67.49	2		2		2	
1/4	2,212.53	1/4	1,853.78	1/4	1,495.02	1/4	1,136.27	1/4	777.52	1/4	418.77	1/4	60.02	1/4		1/4		1/4	
1/2	2,205.06	1/2	1,846.31	1/2	1,487.55	1/2	1,128.80	1/2	770.05	1/2	411.30	1/2	53.49	1/2		1/2		1/2	
3/4	2,197.58	3/4	1,838.83	3/4	1,480.08	3/4	1,121.33	3/4	762.57	3/4	403.82	3/4	46.95	3/4		3/4		3/4	
3	2,190.11	3	1,831.36	3	1,472.60	3	1,113.85	3	755.10	3	396.35	3	40.42	3		3		3	
1/4	2,182.63	1/4	1,823.88	1/4	1,465.13	1/4	1,106.38	1/4	747.62	1/4	388.87	1/4	33.88	1/4		1/4		1/4	
1/2	2,175.16	1/2	1,816.41	1/2	1,457.66	1/2	1,098.91	1/2	740.15	1/2	381.40	1/2	29.21	1/2		1/2		1/2	
3/4	2,167.69	3/4	1,808.93	3/4	1,450.18	3/4	1,091.43	3/4	732.68	3/4	373.93	3/4	24.55	3/4		3/4		3/4	
4	2,160.21	4	1,801.46	4	1,442.71	4	1,083.96	4	725.20	4	366.45	4	19.88	4		4		4	
1/4	2,152.74	1/4	1,793.98	1/4	1,435.23	1/4	1,076.48	1/4	717.73	1/4	358.98	1/4	15.21	1/4		1/4		1/4	
1/2	2,145.27	1/2	1,786.51	1/2	1,427.76	1/2	1,069.01	1/2	710.26	1/2	351.51	1/2		1/2		1/2		1/2	
3/4	2,137.79	3/4	1,779.04	3/4	1,420.29	3/4	1,061.53	3/4	702.78	3/4	344.03	3/4		3/4		3/4		3/4	
5	2,130.32	5	1,771.56	5	1,412.81	5	1,054.06	5	695.31	5	336.56	5		5		5		5	
1/4	2,122.84	1/4	1,764.09	1/4	1,405.34	1/4	1,046.58	1/4	687.83	1/4	329.08	1/4		1/4		1/4		1/4	
1/2	2,115.37	1/2	1,756.62	1/2	1,397.87	1/2	1,039.11	1/2	680.36	1/2	321.61	1/2		1/2		1/2		1/2	
3/4	2,107.89	3/4	1,749.14	3/4	1,390.39	3/4	1,031.64	3/4	672.89	3/4	314.13	3/4		3/4		3/4		3/4	
6	2,100.42	6	1,741.67	6	1,382.92	6	1,024.16	6	665.41	6	306.66	6		6		6		6	
1/4	2,092.94	1/4	1,734.19	1/4	1,375.44	1/4	1,016.69	1/4	657.94	1/4	299.18	1/4		1/4		1/4		1/4	
1/2	2,085.47	1/2	1,726.72	1/2	1,367.97	1/2	1,009.22	1/2	650.47	1/2	291.71	1/2		1/2		1/2		1/2	
3/4	2,078.00	3/4	1,719.25	3/4	1,360.49	3/4	1,001.74	3/4	642.99	3/4	284.24	3/4		3/4		3/4		3/4	
7	2,070.52	7	1,711.77	7	1,353.02	7	994.27	7	635.52	7	276.76	7		7		7		7	
1/4	2,063.05	1/4	1,704.30	1/4	1,345.54	1/4	986.79	1/4	628.04	1/4	269.29	1/4		1/4		1/4		1/4	
1/2	2,055.58	1/2	1,696.83	1/2	1,338.07	1/2	979.32	1/2	620.57	1/2	261.82	1/2		1/2		1/2		1/2	
3/4	2,048.10	3/4	1,689.35	3/4	1,330.60	3/4	971.85	3/4	613.09	3/4	254.34	3/4		3/4		3/4		3/4	
8	2,040.63	8	1,681.88	8	1,323.12	8	964.37	8	605.62	8	246.87	8		8		8		8	
1/4	2,033.15	1/4	1,674.40	1/4	1,315.65	1/4	956.90	1/4	598.14	1/4	239.39	1/4		1/4		1/4		1/4	
1/2	2,025.68	1/2	1,666.93	1/2	1,308.18	1/2	949.43	1/2	590.67	1/2	231.92	1/2		1/2		1/2		1/2	
3/4	2,018.21	3/4	1,659.45	3/4	1,300.70	3/4	941.95	3/4	583.20	3/4	224.45	3/4		3/4		3/4		3/4	
9	2,010.73	9	1,651.98	9	1,293.23	9	934.48	9	575.72	9	216.97	9		9		9		9	
1/4	2,003.26	1/4	1,644.50	1/4	1,285.75	1/4	927.00	1/4	568.25	1/4	209.50	1/4		1/4		1/4		1/4	
1/2	1,995.79	1/2	1,637.03	1/2	1,278.28	1/2	919.53	1/2	560.78	1/2	202.03	1/2		1/2		1/2		1/2	
3/4	1,988.31	3/4	1,629.56	3/4	1,270.81	3/4	912.05	3/4	553.30	3/4	194.55	3/4		3/4		3/4		3/4	
10	1,980.84	10	1,622.08	10	1,263.33	10	904.58	10	545.83	10	187.08	10		10		10		10	
1/4	1,973.36	1/4	1,614.61	1/4	1,255.86	1/4	897.10	1/4	538.35	1/4	179.60	1/4		1/4		1/4		1/4	
1/2	1,965.89	1/2	1,607.14	1/2	1,248.39	1/2	889.63	1/2	530.88	1/2	172.13	1/2		1/2		1/2		1/2	
3/4	1,958.41	3/4	1,599.66	3/4	1,240.91	3/4	882.16	3/4	523.41	3/4	164.65	3/4		3/4		3/4		3/4	
11	1,950.94	11	1,592.19	11	1,233.44	11	874.68	11	515.93	11	157.18	11		11		11		11	
1/4	1,943.46	1/4	1,584.71	1/4	1,225.96	1/4	867.21	1/4	508.46	1/4	149.70	1/4		1/4		1/4		1/4	
1/2	1,935.99	1/2	1,577.24	1/2	1,218.49	1/2	859.74	1/2	500.99	1/2	142.23	1/2		1/2		1/2		1/2	
3/4	1,928.52	3/4	1,569.77	3/4	1,211.01	3/4	852.26	3/4	493.51	3/4	134.76	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/12/2009 INSP.  
RECALCULATED: 03/28/2024 JS  
NAME CHANGE: 03/28/2024 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2024

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 30034"

## 3 STBD ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30011"

GAUGE HEIGHT 16'-04 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,716.25	0	4,466.62	0	4,196.42	0	3,926.23	0	3,652.26	0	3,356.05	0	2,997.30	0	2,638.55
1/4		1/4		1/4	4,713.97	1/4	4,460.99	1/4	4,190.79	1/4	3,920.60	1/4	3,646.52	1/4	3,348.58	1/4	2,989.82	1/4	2,631.07
1/2		1/2		1/2	4,710.73	1/2	4,455.36	1/2	4,185.16	1/2	3,914.97	1/2	3,640.78	1/2	3,341.11	1/2	2,982.35	1/2	2,623.60
3/4		3/4		3/4	4,707.49	3/4	4,449.73	3/4	4,179.54	3/4	3,909.35	3/4	3,635.05	3/4	3,333.63	3/4	2,974.88	3/4	2,616.13
1		1		1	4,704.25	1	4,444.10	1	4,173.91	1	3,903.72	1	3,629.31	1	3,326.16	1	2,967.40	1	2,608.65
1/4		1/4		1/4	4,701.01	1/4	4,438.47	1/4	4,168.28	1/4	3,898.09	1/4	3,623.57	1/4	3,318.68	1/4	2,959.93	1/4	2,601.18
1/2		1/2		1/2	4,696.82	1/2	4,432.84	1/2	4,162.65	1/2	3,892.46	1/2	3,617.84	1/2	3,311.21	1/2	2,952.46	1/2	2,593.71
3/4		3/4		3/4	4,692.62	3/4	4,427.21	3/4	4,157.02	3/4	3,886.83	3/4	3,612.10	3/4	3,303.73	3/4	2,944.98	3/4	2,586.23
2		2		2	4,688.43	2	4,421.58	2	4,151.39	2	3,881.20	2	3,606.37	2	3,296.26	2	2,937.51	2	2,578.76
1/4		1/4		1/4	4,684.23	1/4	4,415.95	1/4	4,145.76	1/4	3,875.57	1/4	3,600.63	1/4	3,288.78	1/4	2,930.03	1/4	2,571.28
1/2		1/2		1/2	4,679.08	1/2	4,410.32	1/2	4,140.13	1/2	3,869.94	1/2	3,594.89	1/2	3,281.31	1/2	2,922.56	1/2	2,563.81
3/4		3/4		3/4	4,673.93	3/4	4,404.70	3/4	4,134.51	3/4	3,864.31	3/4	3,589.16	3/4	3,273.84	3/4	2,915.09	3/4	2,556.33
3		3		3	4,668.78	3	4,399.07	3	4,128.88	3	3,858.68	3	3,583.42	3	3,266.36	3	2,907.61	3	2,548.86
1/4		1/4		1/4	4,663.63	1/4	4,393.44	1/4	4,123.25	1/4	3,853.05	1/4	3,577.68	1/4	3,258.89	1/4	2,900.14	1/4	2,541.38
1/2		1/2		1/2	4,658.00	1/2	4,387.81	1/2	4,117.62	1/2	3,847.32	1/2	3,571.93	1/2	3,251.42	1/2	2,892.67	1/2	2,533.91
3/4		3/4		3/4	4,652.37	3/4	4,382.18	3/4	4,111.99	3/4	3,841.58	3/4	3,566.17	3/4	3,243.94	3/4	2,885.19	3/4	2,526.44
4		4		4	4,646.74	4	4,376.55	4	4,106.36	4	3,835.85	4	3,560.42	4	3,236.47	4	2,877.72	4	2,518.96
1/4		1/4		1/4	4,641.11	1/4	4,370.92	1/4	4,100.73	1/4	3,830.11	1/4	3,554.66	1/4	3,228.99	1/4	2,870.24	1/4	2,511.49
1/2		1/2		1/2	4,635.48	1/2	4,365.29	1/2	4,095.10	1/2	3,824.37	1/2	3,548.85	1/2	3,221.52	1/2	2,862.77	1/2	2,504.02
3/4		3/4		3/4	4,629.86	3/4	4,359.67	3/4	4,089.47	3/4	3,818.64	3/4	3,543.04	3/4	3,214.05	3/4	2,855.29	3/4	2,496.54
5		5		5	4,624.23	5	4,354.04	5	4,083.84	5	3,812.90	5	3,537.23	5	3,206.57	5	2,847.82	5	2,489.07
1/4		1/4		1/4	4,618.60	1/4	4,348.41	1/4	4,078.21	1/4	3,807.16	1/4	3,531.42	1/4	3,199.10	1/4	2,840.34	1/4	2,481.59
1/2		1/2		1/2	4,612.97	1/2	4,342.78	1/2	4,072.58	1/2	3,801.42	1/2	3,525.54	1/2	3,191.63	1/2	2,832.87	1/2	2,474.12
3/4		3/4		3/4	4,607.34	3/4	4,337.15	3/4	4,066.96	3/4	3,795.69	3/4	3,519.66	3/4	3,184.15	3/4	2,825.40	3/4	2,466.65
6		6		6	4,601.71	6	4,331.52	6	4,061.33	6	3,789.95	6	3,513.78	6	3,176.68	6	2,817.92	6	2,459.17
1/4		1/4		1/4	4,596.08	1/4	4,325.89	1/4	4,055.70	1/4	3,784.21	1/4	3,507.90	1/4	3,169.20	1/4	2,810.45	1/4	2,451.70
1/2		1/2		1/2	4,590.45	1/2	4,320.26	1/2	4,050.07	1/2	3,778.47	1/2	3,501.95	1/2	3,161.73	1/2	2,802.98	1/2	2,444.23
3/4		3/4		3/4	4,584.83	3/4	4,314.63	3/4	4,044.44	3/4	3,772.74	3/4	3,495.99	3/4	3,154.25	3/4	2,795.50	3/4	2,436.75
7		7		7	4,579.20	7	4,309.00	7	4,038.81	7	3,767.00	7	3,490.04	7	3,146.78	7	2,788.03	7	2,429.28
1/4		1/4		1/4	4,573.57	1/4	4,303.37	1/4	4,033.18	1/4	3,761.26	1/4	3,484.08	1/4	3,139.30	1/4	2,780.55	1/4	2,421.80
1/2		1/2		1/2	4,567.94	1/2	4,297.74	1/2	4,027.55	1/2	3,755.52	1/2	3,478.06	1/2	3,131.83	1/2	2,773.08	1/2	2,414.33
3/4		3/4		3/4	4,562.31	3/4	4,292.12	3/4	4,021.93	3/4	3,749.79	3/4	3,472.03	3/4	3,124.36	3/4	2,765.61	3/4	2,406.85
8		8		8	4,556.68	8	4,286.49	8	4,016.30	8	3,744.05	8	3,466.01	8	3,116.88	8	2,758.13	8	2,399.38
1/4		1/4		1/4	4,551.05	1/4	4,280.86	1/4	4,010.67	1/4	3,738.31	1/4	3,459.98	1/4	3,109.41	1/4	2,750.66	1/4	2,391.90
1/2		1/2		1/2	4,545.42	1/2	4,275.23	1/2	4,005.04	1/2	3,732.58	1/2	3,453.88	1/2	3,101.94	1/2	2,743.19	1/2	2,384.43
3/4		3/4		3/4	4,539.79	3/4	4,269.60	3/4	3,999.41	3/4	3,726.84	3/4	3,447.78	3/4	3,094.46	3/4	2,735.71	3/4	2,376.96
9		9		9	4,534.16	9	4,263.97	9	3,993.78	9	3,721.11	9	3,441.68	9	3,086.99	9	2,728.24	9	2,369.48
1/4		1/4		1/4	4,729.88	1/4	4,528.53	1/4	4,258.34	1/4	3,988.15	1/4	3,715.37	1/4	3,435.58	1/4	3,079.51	1/4	2,720.76
1/2		1/2		1/2	4,729.51	1/2	4,522.90	1/2	4,252.71	1/2	3,982.52	1/2	3,709.63	1/2	3,428.78	1/2	3,072.04	1/2	2,713.29
3/4		3/4		3/4	4,729.14	3/4	4,517.28	3/4	4,247.09	3/4	3,976.89	3/4	3,703.90	3/4	3,421.98	3/4	3,064.57	3/4	2,705.81
10		10		10	4,728.77	10	4,511.65	10	4,241.46	10	3,971.26	10	3,698.16	10	3,415.17	10	3,057.09	10	2,698.34
1/4		1/4		1/4	4,728.40	1/4	4,506.02	1/4	4,235.83	1/4	3,965.63	1/4	3,692.42	1/4	3,408.37	1/4	3,049.62	1/4	2,690.86
1/2		1/2		1/2	4,727.07	1/2	4,500.39	1/2	4,230.20	1/2	3,960.00	1/2	3,686.68	1/2	3,400.90	1/2	3,042.15	1/2	2,683.39
3/4		3/4		3/4	4,725.75	3/4	4,494.76	3/4	4,224.57	3/4	3,954.38	3/4	3,680.95	3/4	3,393.42	3/4	3,034.67	3/4	2,675.92
11		11		11	4,724.42	11	4,489.13	11	4,218.94	11	3,948.75	11	3,675.21	11	3,385.95	11	3,027.20	11	2,668.44
1/4		1/4		1/4	4,723.09	1/4	4,483.50	1/4	4,213.31	1/4	3,943.12	1/4	3,669.47	1/4	3,378.47	1/4	3,019.72	1/4	2,660.97
1/2		1/2		1/2	4,720.81	1/2	4,477.87	1/2	4,207.68	1/2	3,937.49	1/2	3,663.73	1/2	3,371.00	1/2	3,012.25	1/2	2,653.50
3/4		3/4		3/4	4,718.53	3/4	4,472.25	3/4	4,202.05	3/4	3,931.86	3/4	3,658.00	3/4	3,363.53	3/4	3,004.77	3/4	2,646.02

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 30034"

## 3 STBD ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30011"

GAUGE HEIGHT 16'-04 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,279.80	0	1,921.04	0	1,562.29	0	1,203.54	0	844.79	0	486.04	0	127.28	0		0			
1/4	2,272.32	1/4	1,913.57	1/4	1,554.82	1/4	1,196.06	1/4	837.31	1/4	478.56	1/4	119.81	1/4		1/4			
1/2	2,264.85	1/2	1,906.10	1/2	1,547.35	1/2	1,188.59	1/2	829.84	1/2	471.09	1/2	112.34	1/2		1/2			
3/4	2,257.37	3/4	1,898.62	3/4	1,539.87	3/4	1,181.12	3/4	822.37	3/4	463.61	3/4	104.86	3/4		3/4			
1	2,249.90	1	1,891.15	1	1,532.40	1	1,173.64	1	814.89	1	456.14	1	97.39	1		1			
1/4	2,242.42	1/4	1,883.67	1/4	1,524.92	1/4	1,166.17	1/4	807.42	1/4	448.66	1/4	89.91	1/4		1/4			
1/2	2,234.95	1/2	1,876.20	1/2	1,517.45	1/2	1,158.70	1/2	799.95	1/2	441.19	1/2	82.44	1/2		1/2			
3/4	2,227.48	3/4	1,868.73	3/4	1,509.97	3/4	1,151.22	3/4	792.47	3/4	433.72	3/4	74.97	3/4		3/4			
2	2,220.00	2	1,861.25	2	1,502.50	2	1,143.75	2	785.00	2	426.24	2	67.49	2		2			
1/4	2,212.53	1/4	1,853.78	1/4	1,495.02	1/4	1,136.27	1/4	777.52	1/4	418.77	1/4	60.02	1/4		1/4			
1/2	2,205.06	1/2	1,846.31	1/2	1,487.55	1/2	1,128.80	1/2	770.05	1/2	411.30	1/2	53.49	1/2		1/2			
3/4	2,197.58	3/4	1,838.83	3/4	1,480.08	3/4	1,121.33	3/4	762.57	3/4	403.82	3/4	46.95	3/4		3/4			
3	2,190.11	3	1,831.36	3	1,472.60	3	1,113.85	3	755.10	3	396.35	3	40.42	3		3			
1/4	2,182.63	1/4	1,823.88	1/4	1,465.13	1/4	1,106.38	1/4	747.62	1/4	388.87	1/4	33.88	1/4		1/4			
1/2	2,175.16	1/2	1,816.41	1/2	1,457.66	1/2	1,098.91	1/2	740.15	1/2	381.40	1/2	29.21	1/2		1/2			
3/4	2,167.69	3/4	1,808.93	3/4	1,450.18	3/4	1,091.43	3/4	732.68	3/4	373.93	3/4	24.55	3/4		3/4			
4	2,160.21	4	1,801.46	4	1,442.71	4	1,083.96	4	725.20	4	366.45	4	19.88	4		4			
1/4	2,152.74	1/4	1,793.98	1/4	1,435.23	1/4	1,076.48	1/4	717.73	1/4	358.98	1/4	15.21	1/4		1/4			
1/2	2,145.27	1/2	1,786.51	1/2	1,427.76	1/2	1,069.01	1/2	710.26	1/2	351.51	1/2		1/2		1/2			
3/4	2,137.79	3/4	1,779.04	3/4	1,420.29	3/4	1,061.53	3/4	702.78	3/4	344.03	3/4		3/4		3/4			
5	2,130.32	5	1,771.56	5	1,412.81	5	1,054.06	5	695.31	5	336.56	5		5		5			
1/4	2,122.84	1/4	1,764.09	1/4	1,405.34	1/4	1,046.58	1/4	687.83	1/4	329.08	1/4		1/4		1/4			
1/2	2,115.37	1/2	1,756.62	1/2	1,397.87	1/2	1,039.11	1/2	680.36	1/2	321.61	1/2		1/2		1/2			
3/4	2,107.89	3/4	1,749.14	3/4	1,390.39	3/4	1,031.64	3/4	672.89	3/4	314.13	3/4		3/4		3/4			
6	2,100.42	6	1,741.67	6	1,382.92	6	1,024.16	6	665.41	6	306.66	6		6		6			
1/4	2,092.94	1/4	1,734.19	1/4	1,375.44	1/4	1,016.69	1/4	657.94	1/4	299.18	1/4		1/4		1/4			
1/2	2,085.47	1/2	1,726.72	1/2	1,367.97	1/2	1,009.22	1/2	650.47	1/2	291.71	1/2		1/2		1/2			
3/4	2,078.00	3/4	1,719.25	3/4	1,360.49	3/4	1,001.74	3/4	642.99	3/4	284.24	3/4		3/4		3/4			
7	2,070.52	7	1,711.77	7	1,353.02	7	994.27	7	635.52	7	276.76	7		7		7			
1/4	2,063.05	1/4	1,704.30	1/4	1,345.54	1/4	986.79	1/4	628.04	1/4	269.29	1/4		1/4		1/4			
1/2	2,055.58	1/2	1,696.83	1/2	1,338.07	1/2	979.32	1/2	620.57	1/2	261.82	1/2		1/2		1/2			
3/4	2,048.10	3/4	1,689.35	3/4	1,330.60	3/4	971.85	3/4	613.09	3/4	254.34	3/4		3/4		3/4			
8	2,040.63	8	1,681.88	8	1,323.12	8	964.37	8	605.62	8	246.87	8		8		8			
1/4	2,033.15	1/4	1,674.40	1/4	1,315.65	1/4	956.90	1/4	598.14	1/4	239.39	1/4		1/4		1/4			
1/2	2,025.68	1/2	1,666.93	1/2	1,308.18	1/2	949.43	1/2	590.67	1/2	231.92	1/2		1/2		1/2			
3/4	2,018.21	3/4	1,659.45	3/4	1,300.70	3/4	941.95	3/4	583.20	3/4	224.45	3/4		3/4		3/4			
9	2,010.73	9	1,651.98	9	1,293.23	9	934.48	9	575.72	9	216.97	9		9		9			
1/4	2,003.26	1/4	1,644.50	1/4	1,285.75	1/4	927.00	1/4	568.25	1/4	209.50	1/4		1/4		1/4			
1/2	1,995.79	1/2	1,637.03	1/2	1,278.28	1/2	919.53	1/2	560.78	1/2	202.03	1/2		1/2		1/2			
3/4	1,988.31	3/4	1,629.56	3/4	1,270.81	3/4	912.05	3/4	553.30	3/4	194.55	3/4		3/4		3/4			
10	1,980.84	10	1,622.08	10	1,263.33	10	904.58	10	545.83	10	187.08	10		10		10			
1/4	1,973.36	1/4	1,614.61	1/4	1,255.86	1/4	897.10	1/4	538.35	1/4	179.60	1/4		1/4		1/4			
1/2	1,965.89	1/2	1,607.14	1/2	1,248.39	1/2	889.63	1/2	530.88	1/2	172.13	1/2		1/2		1/2			
3/4	1,958.41	3/4	1,599.66	3/4	1,240.91	3/4	882.16	3/4	523.41	3/4	164.65	3/4		3/4		3/4			
11	1,950.94	11	1,592.19	11	1,233.44	11	874.68	11	515.93	11	157.18	11		11		11			
1/4	1,943.46	1/4	1,584.71	1/4	1,225.96	1/4	867.21	1/4	508.46	1/4	149.70	1/4		1/4		1/4			
1/2	1,935.99	1/2	1,577.24	1/2	1,218.49	1/2	859.74	1/2	500.99	1/2	142.23	1/2		1/2		1/2			
3/4	1,928.52	3/4	1,569.77	3/4	1,211.01	3/4	852.26	3/4	493.51	3/4	134.76	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/12/2009 INSP.  
RECALCULATED: 03/28/2024 JS  
NAME CHANGE: 03/28/2024 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2024

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>