

BARGE "KIRBY 29169"

ULLAGE (HERMETIC)

FORMERLY "SMI 30055"

	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	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
1 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
2 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 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 = 5'-00"
 DIFF. = 3'-00" (DOWN BY STERN)

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

LENGTH BETWEEN DRAFT MARKS: 235'-09"

December 6, 2023

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 29169"

1 PORT ULLAGE TABLE "HERMETIC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30055"

GAUGE HEIGHT 17'-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		0		0	4,719.61	0	4,362.73	0	4,004.56	0	3,646.28	0	3,288.00	0	2,929.71
1/4		1/4		1/4		1/4		1/4	4,712.21	1/4	4,355.29	1/4	3,997.09	1/4	3,638.81	1/4	3,280.53	1/4	2,922.25
1/2		1/2		1/2		1/2		1/2	4,704.80	1/2	4,347.84	1/2	3,989.63	1/2	3,631.35	1/2	3,273.07	1/2	2,914.78
3/4		3/4		3/4		3/4		3/4	4,697.40	3/4	4,340.40	3/4	3,982.17	3/4	3,623.88	3/4	3,265.60	3/4	2,907.31
1		1		1		1		1	4,690.00	1	4,332.96	1	3,974.70	1	3,616.42	1	3,258.14	1	2,899.84
1/4		1/4		1/4		1/4		1/4	5,018.03	1/4	4,682.59	1/4	4,325.50	1/4	3,967.24	1/4	3,608.96	1/4	3,250.67
1/2		1/2		1/2		1/2		1/2	5,013.56	1/2	4,675.19	1/2	4,318.04	1/2	3,959.77	1/2	3,601.49	1/2	3,243.21
3/4		3/4		3/4		3/4		3/4	5,009.08	3/4	4,667.79	3/4	4,310.58	3/4	3,952.31	3/4	3,594.03	3/4	3,235.75
2		2		2		2		2	5,004.61	2	4,660.39	2	4,303.13	2	3,944.85	2	3,586.56	2	3,228.28
1/4		1/4		1/4		1/4		1/4	4,999.07	1/4	4,652.95	1/4	4,295.66	1/4	3,937.38	1/4	3,579.10	1/4	3,220.82
1/2		1/2		1/2		1/2		1/2	4,993.53	1/2	4,645.52	1/2	4,288.20	1/2	3,929.92	1/2	3,571.64	1/2	3,213.35
3/4		3/4		3/4		3/4		3/4	4,987.99	3/4	4,638.09	3/4	4,280.73	3/4	3,922.45	3/4	3,564.17	3/4	3,205.89
3		3		3		3		3	4,982.45	3	4,630.66	3	4,273.27	3	3,914.99	3	3,556.71	3	3,198.43
1/4		1/4		1/4		1/4		1/4	4,975.85	1/4	4,623.22	1/4	4,265.81	1/4	3,907.52	1/4	3,549.24	1/4	3,190.96
1/2		1/2		1/2		1/2		1/2	4,969.24	1/2	4,615.77	1/2	4,258.34	1/2	3,900.06	1/2	3,541.78	1/2	3,183.50
3/4		3/4		3/4		3/4		3/4	4,962.64	3/4	4,608.33	3/4	4,250.88	3/4	3,892.60	3/4	3,534.31	3/4	3,176.03
4		4		4		4		4	4,956.03	4	4,600.89	4	4,243.41	4	3,885.13	4	3,526.85	4	3,168.57
1/4		1/4		1/4		1/4		1/4	4,948.76	1/4	4,593.45	1/4	4,235.95	1/4	3,877.67	1/4	3,519.39	1/4	3,161.10
1/2		1/2		1/2		1/2		1/2	4,941.48	1/2	4,586.00	1/2	4,228.48	1/2	3,870.20	1/2	3,511.92	1/2	3,153.64
3/4		3/4		3/4		3/4		3/4	4,934.21	3/4	4,578.56	3/4	4,221.02	3/4	3,862.74	3/4	3,504.46	3/4	3,146.18
5		5		5		5		5	4,926.94	5	4,571.12	5	4,213.56	5	3,855.27	5	3,496.99	5	3,138.71
1/4		1/4		1/4		1/4		1/4	4,919.53	1/4	4,563.68	1/4	4,206.09	1/4	3,847.81	1/4	3,489.53	1/4	3,131.25
1/2		1/2		1/2		1/2		1/2	4,912.12	1/2	4,556.23	1/2	4,198.63	1/2	3,840.35	1/2	3,482.06	1/2	3,123.78
3/4		3/4		3/4		3/4		3/4	4,904.72	3/4	4,548.79	3/4	4,191.16	3/4	3,832.88	3/4	3,474.60	3/4	3,116.32
6		6		6		6		6	4,897.31	6	4,541.35	6	4,183.70	6	3,825.42	6	3,467.14	6	3,108.85
1/4		1/4		1/4		1/4		1/4	4,889.90	1/4	4,533.91	1/4	4,176.24	1/4	3,817.95	1/4	3,459.67	1/4	3,101.39
1/2		1/2		1/2		1/2		1/2	4,882.50	1/2	4,526.46	1/2	4,168.77	1/2	3,810.49	1/2	3,452.21	1/2	3,093.93
3/4		3/4		3/4		3/4		3/4	4,875.09	3/4	4,519.02	3/4	4,161.31	3/4	3,803.03	3/4	3,444.74	3/4	3,086.46
7		7		7		7		7	4,867.68	7	4,511.58	7	4,153.84	7	3,795.56	7	3,437.28	7	3,079.00
1/4		1/4		1/4		1/4		1/4	4,860.28	1/4	4,504.14	1/4	4,146.38	1/4	3,788.10	1/4	3,429.82	1/4	3,071.53
1/2		1/2		1/2		1/2		1/2	4,852.87	1/2	4,496.69	1/2	4,138.91	1/2	3,780.63	1/2	3,422.35	1/2	3,064.07
3/4		3/4		3/4		3/4		3/4	4,845.46	3/4	4,489.25	3/4	4,131.45	3/4	3,773.17	3/4	3,414.89	3/4	3,056.61
8		8		8		8		8	4,838.06	8	4,481.81	8	4,123.99	8	3,765.70	8	3,407.42	8	3,049.14
1/4		1/4		1/4		1/4		1/4	4,830.65	1/4	4,474.37	1/4	4,116.52	1/4	3,758.24	1/4	3,399.96	1/4	3,041.68
1/2		1/2		1/2		1/2		1/2	4,823.25	1/2	4,466.92	1/2	4,109.06	1/2	3,750.78	1/2	3,392.49	1/2	3,034.21
3/4		3/4		3/4		3/4		3/4	4,815.84	3/4	4,459.48	3/4	4,101.59	3/4	3,743.31	3/4	3,385.03	3/4	3,026.75
9		9		9		9		9	4,808.44	9	4,452.04	9	4,094.13	9	3,735.85	9	3,377.57	9	3,019.28
1/4		1/4		1/4		1/4		1/4	4,801.04	1/4	4,444.60	1/4	4,086.66	1/4	3,728.38	1/4	3,370.10	1/4	3,011.82
1/2		1/2		1/2		1/2		1/2	4,793.64	1/2	4,437.15	1/2	4,079.20	1/2	3,720.92	1/2	3,362.64	1/2	3,004.36
3/4		3/4		3/4		3/4		3/4	4,786.23	3/4	4,429.71	3/4	4,071.74	3/4	3,713.46	3/4	3,355.17	3/4	2,996.89
10		10		10		10		10	4,778.83	10	4,422.27	10	4,064.27	10	3,705.99	10	3,347.71	10	2,989.43
1/4		1/4		1/4		1/4		1/4	4,771.43	1/4	4,414.83	1/4	4,056.81	1/4	3,698.53	1/4	3,340.25	1/4	2,981.96
1/2		1/2		1/2		1/2		1/2	4,764.02	1/2	4,407.38	1/2	4,049.34	1/2	3,691.06	1/2	3,332.78	1/2	2,974.50
3/4		3/4		3/4		3/4		3/4	4,756.62	3/4	4,399.94	3/4	4,041.88	3/4	3,683.60	3/4	3,325.32	3/4	2,967.04
11		11		11		11		11	4,749.22	11	4,392.50	11	4,034.42	11	3,676.13	11	3,317.85	11	2,959.57
1/4		1/4		1/4		1/4		1/4	4,741.82	1/4	4,385.06	1/4	4,026.95	1/4	3,668.67	1/4	3,310.39	1/4	2,952.11
1/2		1/2		1/2		1/2		1/2	4,734.41	1/2	4,377.61	1/2	4,019.49	1/2	3,661.21	1/2	3,302.92	1/2	2,944.64
3/4		3/4		3/4		3/4		3/4	4,727.01	3/4	4,370.17	3/4	4,012.02	3/4	3,653.74	3/4	3,295.46	3/4	2,937.18

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 WITH HERMETIC GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

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BARGE "KIRBY 29169"

1 PORT ULLAGE TABLE "HERMETIC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "30055"

GAUGE HEIGHT 17'-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	2,571.24	0	2,212.77	0	1,854.30	0	1,495.82	0	1,137.35	0	781.04	0	423.99	0	102.51	0		0	
1/4	2,563.78	1/4	2,205.30	1/4	1,846.83	1/4	1,488.36	1/4	1,129.90	1/4	773.58	1/4	416.81	1/4	96.38	1/4		1/4	
1/2	2,556.31	1/2	2,197.83	1/2	1,839.36	1/2	1,480.89	1/2	1,122.46	1/2	766.13	1/2	409.63	1/2	90.26	1/2		1/2	
3/4	2,548.84	3/4	2,190.37	3/4	1,831.89	3/4	1,473.42	3/4	1,115.01	3/4	758.67	3/4	402.45	3/4	84.13	3/4		3/4	
1	2,541.37	1	2,182.90	1	1,824.42	1	1,465.95	1	1,107.57	1	751.22	1	395.27	1	78.01	1		1	
1/4	2,533.90	1/4	2,175.43	1/4	1,816.96	1/4	1,458.48	1/4	1,100.13	1/4	743.75	1/4	388.17	1/4	71.97	1/4		1/4	
1/2	2,526.43	1/2	2,167.96	1/2	1,809.49	1/2	1,451.01	1/2	1,092.69	1/2	736.28	1/2	381.08	1/2	65.93	1/2		1/2	
3/4	2,518.97	3/4	2,160.49	3/4	1,802.02	3/4	1,443.55	3/4	1,085.25	3/4	728.81	3/4	373.98	3/4	59.90	3/4		3/4	
2	2,511.50	2	2,153.02	2	1,794.55	2	1,436.08	2	1,077.81	2	721.34	2	366.89	2	53.86	2		2	
1/4	2,504.03	1/4	2,145.56	1/4	1,787.08	1/4	1,428.61	1/4	1,070.38	1/4	713.88	1/4	359.88	1/4	48.61	1/4		1/4	
1/2	2,496.56	1/2	2,138.09	1/2	1,779.61	1/2	1,421.14	1/2	1,062.96	1/2	706.41	1/2	352.88	1/2	43.36	1/2		1/2	
3/4	2,489.09	3/4	2,130.62	3/4	1,772.15	3/4	1,413.67	3/4	1,055.53	3/4	698.94	3/4	345.87	3/4	38.11	3/4		3/4	
3	2,481.63	3	2,123.15	3	1,764.68	3	1,406.20	3	1,048.10	3	691.47	3	338.87	3	32.86	3		3	
1/4	2,474.16	1/4	2,115.68	1/4	1,757.21	1/4	1,398.74	1/4	1,040.67	1/4	684.01	1/4	331.95	1/4	29.34	1/4		1/4	
1/2	2,466.69	1/2	2,108.22	1/2	1,749.74	1/2	1,391.27	1/2	1,033.25	1/2	676.54	1/2	325.03	1/2	25.81	1/2		1/2	
3/4	2,459.22	3/4	2,100.75	3/4	1,742.27	3/4	1,383.80	3/4	1,025.82	3/4	669.07	3/4	318.11	3/4	22.28	3/4		3/4	
4	2,451.75	4	2,093.28	4	1,734.81	4	1,376.33	4	1,018.40	4	661.60	4	311.20	4	18.75	4		4	
1/4	2,444.28	1/4	2,085.81	1/4	1,727.34	1/4	1,368.86	1/4	1,010.98	1/4	654.13	1/4	304.37	1/4		1/4		1/4	
1/2	2,436.82	1/2	2,078.34	1/2	1,719.87	1/2	1,361.40	1/2	1,003.56	1/2	646.67	1/2	297.54	1/2		1/2		1/2	
3/4	2,429.35	3/4	2,070.87	3/4	1,712.40	3/4	1,353.93	3/4	996.14	3/4	639.20	3/4	290.71	3/4		3/4		3/4	
5	2,421.88	5	2,063.41	5	1,704.93	5	1,346.46	5	988.72	5	631.73	5	283.88	5		5		5	
1/4	2,414.41	1/4	2,055.94	1/4	1,697.46	1/4	1,338.99	1/4	981.31	1/4	624.26	1/4	277.14	1/4		1/4		1/4	
1/2	2,406.94	1/2	2,048.47	1/2	1,690.00	1/2	1,331.52	1/2	973.89	1/2	616.79	1/2	270.39	1/2		1/2		1/2	
3/4	2,399.48	3/4	2,041.00	3/4	1,682.53	3/4	1,324.05	3/4	966.47	3/4	609.33	3/4	263.65	3/4		3/4		3/4	
6	2,392.01	6	2,033.53	6	1,675.06	6	1,316.59	6	959.05	6	601.86	6	256.91	6		6		6	
1/4	2,384.54	1/4	2,026.07	1/4	1,667.59	1/4	1,309.12	1/4	951.64	1/4	594.39	1/4	250.26	1/4		1/4		1/4	
1/2	2,377.07	1/2	2,018.60	1/2	1,660.12	1/2	1,301.65	1/2	944.22	1/2	586.92	1/2	243.60	1/2		1/2		1/2	
3/4	2,369.60	3/4	2,011.13	3/4	1,652.66	3/4	1,294.18	3/4	936.80	3/4	579.45	3/4	236.95	3/4		3/4		3/4	
7	2,362.13	7	2,003.66	7	1,645.19	7	1,286.71	7	929.39	7	571.99	7	230.30	7		7		7	
1/4	2,354.67	1/4	1,996.19	1/4	1,637.72	1/4	1,279.25	1/4	921.97	1/4	564.52	1/4	223.73	1/4		1/4		1/4	
1/2	2,347.20	1/2	1,988.72	1/2	1,630.25	1/2	1,271.78	1/2	914.55	1/2	557.05	1/2	217.17	1/2		1/2		1/2	
3/4	2,339.73	3/4	1,981.26	3/4	1,622.78	3/4	1,264.31	3/4	907.13	3/4	549.58	3/4	210.60	3/4		3/4		3/4	
8	2,332.26	8	1,973.79	8	1,615.31	8	1,256.84	8	899.72	8	542.12	8	204.04	8		8		8	
1/4	2,324.79	1/4	1,966.32	1/4	1,607.85	1/4	1,249.37	1/4	892.30	1/4	534.65	1/4	197.56	1/4		1/4		1/4	
1/2	2,317.33	1/2	1,958.85	1/2	1,600.38	1/2	1,241.90	1/2	884.88	1/2	527.18	1/2	191.08	1/2		1/2		1/2	
3/4	2,309.86	3/4	1,951.38	3/4	1,592.91	3/4	1,234.44	3/4	877.46	3/4	519.71	3/4	184.60	3/4		3/4		3/4	
9	2,302.39	9	1,943.92	9	1,585.44	9	1,226.97	9	870.05	9	512.24	9	178.13	9		9		9	
1/4	2,294.92	1/4	1,936.45	1/4	1,577.97	1/4	1,219.50	1/4	862.63	1/4	504.81	1/4	171.74	1/4		1/4		1/4	
1/2	2,287.45	1/2	1,928.98	1/2	1,570.51	1/2	1,212.03	1/2	855.21	1/2	497.37	1/2	165.35	1/2		1/2		1/2	
3/4	2,279.98	3/4	1,921.51	3/4	1,563.04	3/4	1,204.56	3/4	847.80	3/4	489.94	3/4	158.96	3/4		3/4		3/4	
10	2,272.52	10	1,914.04	10	1,555.57	10	1,197.10	10	840.38	10	482.50	10	152.57	10		10		10	
1/4	2,265.05	1/4	1,906.57	1/4	1,548.10	1/4	1,189.63	1/4	832.96	1/4	475.15	1/4	146.27	1/4		1/4		1/4	
1/2	2,257.58	1/2	1,899.11	1/2	1,540.63	1/2	1,182.16	1/2	825.54	1/2	467.79	1/2	139.97	1/2		1/2		1/2	
3/4	2,250.11	3/4	1,891.64	3/4	1,533.16	3/4	1,174.69	3/4	818.13	3/4	460.43	3/4	133.66	3/4		3/4		3/4	
11	2,242.64	11	1,884.17	11	1,525.70	11	1,167.22	11	810.71	11	453.07	11	127.36	11		11		11	
1/4	2,235.18	1/4	1,876.70	1/4	1,518.23	1/4	1,159.75	1/4	803.29	1/4	445.80	1/4	121.15	1/4		1/4		1/4	
1/2	2,227.71	1/2	1,869.23	1/2	1,510.76	1/2	1,152.29	1/2	795.87	1/2	438.53	1/2	114.94	1/2		1/2		1/2	
3/4	2,220.24	3/4	1,861.77	3/4	1,503.29	3/4	1,144.82	3/4	788.46	3/4	431.26	3/4	108.72	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/11/2013 CL
VERIFIED: 11/20/2023 JS
NAME CHANGE: 12/06/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 29169"

1 STBD ULLAGE TABLE "HERMETIC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30055"

GAUGE HEIGHT 17'-03 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		0		0	4,712.65	0	4,355.83	0	3,997.73	0	3,639.54	0	3,281.35	0	2,923.16
1/4		1/4		1/4		1/4		1/4	4,705.25	1/4	4,348.39	1/4	3,990.27	1/4	3,632.08	1/4	3,273.89	1/4	2,915.69
1/2		1/2		1/2		1/2		1/2	4,697.85	1/2	4,340.94	1/2	3,982.81	1/2	3,624.62	1/2	3,266.43	1/2	2,908.23
3/4		3/4		3/4		3/4		3/4	4,690.45	3/4	4,333.50	3/4	3,975.34	3/4	3,617.15	3/4	3,258.96	3/4	2,900.77
1		1		1		1	5,018.40	1	4,683.05	1	4,326.05	1	3,967.88	1	3,609.69	1	3,251.50	1	2,893.30
1/4		1/4		1/4		1/4	5,013.93	1/4	4,675.65	1/4	4,318.59	1/4	3,960.42	1/4	3,602.23	1/4	3,244.04	1/4	2,885.83
1/2		1/2		1/2		1/2	5,009.46	1/2	4,668.25	1/2	4,311.14	1/2	3,952.96	1/2	3,594.77	1/2	3,236.58	1/2	2,878.37
3/4		3/4		3/4		3/4	5,004.99	3/4	4,660.85	3/4	4,303.69	3/4	3,945.50	3/4	3,587.30	3/4	3,229.11	3/4	2,870.90
2		2		2		2	4,999.45	2	4,653.42	2	4,296.22	2	3,938.03	2	3,579.84	2	3,221.65	2	2,863.44
1/4		1/4		1/4		1/4	4,993.91	1/4	4,645.99	1/4	4,288.76	1/4	3,930.57	1/4	3,572.38	1/4	3,214.19	1/4	2,855.97
1/2		1/2		1/2		1/2	4,988.37	1/2	4,638.56	1/2	4,281.30	1/2	3,923.11	1/2	3,564.92	1/2	3,206.73	1/2	2,848.50
3/4		3/4		3/4		3/4	4,982.83	3/4	4,631.13	3/4	4,273.84	3/4	3,915.65	3/4	3,557.46	3/4	3,199.27	3/4	2,841.04
3		3		3		3	4,976.23	3	4,623.69	3	4,266.37	3	3,908.18	3	3,549.99	3	3,191.80	3	2,833.57
1/4		1/4		1/4		1/4	4,969.62	1/4	4,616.25	1/4	4,258.91	1/4	3,900.72	1/4	3,542.53	1/4	3,184.34	1/4	2,826.10
1/2		1/2		1/2		1/2	4,963.02	1/2	4,608.81	1/2	4,251.45	1/2	3,893.26	1/2	3,535.07	1/2	3,176.88	1/2	2,818.64
3/4		3/4		3/4		3/4	4,956.42	3/4	4,601.37	3/4	4,243.99	3/4	3,885.80	3/4	3,527.61	3/4	3,169.42	3/4	2,811.17
4		4		4		4	4,949.15	4	4,593.93	4	4,236.52	4	3,878.33	4	3,520.14	4	3,161.95	4	2,803.71
1/4		1/4		1/4		1/4	4,941.87	1/4	4,586.48	1/4	4,229.06	1/4	3,870.87	1/4	3,512.68	1/4	3,154.49	1/4	2,796.24
1/2		1/2		1/2		1/2	4,934.60	1/2	4,579.04	1/2	4,221.60	1/2	3,863.41	1/2	3,505.22	1/2	3,147.03	1/2	2,788.77
3/4		3/4		3/4		3/4	4,927.33	3/4	4,571.60	3/4	4,214.14	3/4	3,855.95	3/4	3,497.76	3/4	3,139.57	3/4	2,781.31
5		5		5		5	4,919.93	5	4,564.16	5	4,206.68	5	3,848.49	5	3,490.29	5	3,132.10	5	2,773.84
1/4		1/4		1/4		1/4	4,912.52	1/4	4,556.72	1/4	4,199.21	1/4	3,841.02	1/4	3,482.83	1/4	3,124.64	1/4	2,766.37
1/2		1/2		1/2		1/2	4,905.12	1/2	4,549.28	1/2	4,191.75	1/2	3,833.56	1/2	3,475.37	1/2	3,117.18	1/2	2,758.91
3/4		3/4		3/4		3/4	4,897.71	3/4	4,541.84	3/4	4,184.29	3/4	3,826.10	3/4	3,467.91	3/4	3,109.72	3/4	2,751.44
6		6		6		6	4,890.31	6	4,534.40	6	4,176.83	6	3,818.64	6	3,460.45	6	3,102.26	6	2,743.97
1/4		1/4		1/4		1/4	4,882.90	1/4	4,526.96	1/4	4,169.36	1/4	3,811.17	1/4	3,452.98	1/4	3,094.79	1/4	2,736.51
1/2		1/2		1/2		1/2	4,875.50	1/2	4,519.52	1/2	4,161.90	1/2	3,803.71	1/2	3,445.52	1/2	3,087.33	1/2	2,729.04
3/4		3/4		3/4		3/4	4,868.09	3/4	4,512.08	3/4	4,154.44	3/4	3,796.25	3/4	3,438.06	3/4	3,079.87	3/4	2,721.58
7		7		7		7	4,860.69	7	4,504.64	7	4,146.98	7	3,788.79	7	3,430.60	7	3,072.41	7	2,714.11
1/4		1/4		1/4		1/4	4,853.28	1/4	4,497.20	1/4	4,139.51	1/4	3,781.32	1/4	3,423.13	1/4	3,064.94	1/4	2,706.64
1/2		1/2		1/2		1/2	4,845.88	1/2	4,489.76	1/2	4,132.05	1/2	3,773.86	1/2	3,415.67	1/2	3,057.48	1/2	2,699.18
3/4		3/4		3/4		3/4	4,838.47	3/4	4,482.32	3/4	4,124.59	3/4	3,766.40	3/4	3,408.21	3/4	3,050.02	3/4	2,691.71
8		8		8		8	4,831.07	8	4,474.88	8	4,117.13	8	3,758.94	8	3,400.75	8	3,042.56	8	2,684.24
1/4		1/4		1/4		1/4	4,823.67	1/4	4,467.44	1/4	4,109.67	1/4	3,751.48	1/4	3,393.28	1/4	3,035.09	1/4	2,676.78
1/2		1/2		1/2		1/2	4,816.27	1/2	4,459.99	1/2	4,102.20	1/2	3,744.01	1/2	3,385.82	1/2	3,027.63	1/2	2,669.31
3/4		3/4		3/4		3/4	4,808.86	3/4	4,452.55	3/4	4,094.74	3/4	3,736.55	3/4	3,378.36	3/4	3,020.17	3/4	2,661.85
9		9		9		9	4,801.46	9	4,445.11	9	4,087.28	9	3,729.09	9	3,370.90	9	3,012.71	9	2,654.38
1/4		1/4		1/4		1/4	4,794.06	1/4	4,437.67	1/4	4,079.82	1/4	3,721.63	1/4	3,363.44	1/4	3,005.25	1/4	2,646.91
1/2		1/2		1/2		1/2	4,786.66	1/2	4,430.23	1/2	4,072.35	1/2	3,714.16	1/2	3,355.97	1/2	2,997.78	1/2	2,639.45
3/4		3/4		3/4		3/4	4,779.26	3/4	4,422.79	3/4	4,064.89	3/4	3,706.70	3/4	3,348.51	3/4	2,990.32	3/4	2,631.98
10		10		10		10	4,771.86	10	4,415.35	10	4,057.43	10	3,699.24	10	3,341.05	10	2,982.86	10	2,624.51
1/4		1/4		1/4		1/4	4,764.46	1/4	4,407.91	1/4	4,049.97	1/4	3,691.78	1/4	3,333.59	1/4	2,975.40	1/4	2,617.05
1/2		1/2		1/2		1/2	4,757.06	1/2	4,400.47	1/2	4,042.51	1/2	3,684.31	1/2	3,326.12	1/2	2,967.93	1/2	2,609.58
3/4		3/4		3/4		3/4	4,749.66	3/4	4,393.03	3/4	4,035.04	3/4	3,676.85	3/4	3,318.66	3/4	2,960.47	3/4	2,602.12
11		11		11		11	4,742.26	11	4,385.59	11	4,027.58	11	3,669.39	11	3,311.20	11	2,953.01	11	2,594.65
1/4		1/4		1/4		1/4	4,734.86	1/4	4,378.15	1/4	4,020.12	1/4	3,661.93	1/4	3,303.74	1/4	2,945.55	1/4	2,587.18
1/2		1/2		1/2		1/2	4,727.46	1/2	4,370.71	1/2	4,012.66	1/2	3,654.47	1/2	3,296.28	1/2	2,938.08	1/2	2,579.72
3/4		3/4		3/4		3/4	4,720.06	3/4	4,363.27	3/4	4,005.19	3/4	3,647.00	3/4	3,288.81	3/4	2,930.62	3/4	2,572.25

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 WITH HERMETIC GAUGING DEVICE.

GAUGE POINT: (HERMETIC) 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 29169"

1 STBD ULLAGE TABLE "HERMETIC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30055"

GAUGE HEIGHT 17'-03 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	2,564.78	0	2,206.40	0	1,848.02	0	1,489.64	0	1,131.25	0	773.36	0	416.71	0	96.36	0		0	
1/4	2,557.32	1/4	2,198.93	1/4	1,840.55	1/4	1,482.17	1/4	1,123.79	1/4	765.90	1/4	409.53	1/4	90.23	1/4		1/4	
1/2	2,549.85	1/2	2,191.47	1/2	1,833.09	1/2	1,474.70	1/2	1,116.32	1/2	758.43	1/2	402.35	1/2	84.11	1/2		1/2	
3/4	2,542.38	3/4	2,184.00	3/4	1,825.62	3/4	1,467.24	3/4	1,108.86	3/4	750.97	3/4	395.17	3/4	77.99	3/4		3/4	
1	2,534.92	1	2,176.54	1	1,818.15	1	1,459.77	1	1,101.39	1	743.50	1	388.08	1	71.95	1		1	
1/4	2,527.45	1/4	2,169.07	1/4	1,810.69	1/4	1,452.30	1/4	1,093.92	1/4	736.04	1/4	380.98	1/4	65.91	1/4		1/4	
1/2	2,519.99	1/2	2,161.60	1/2	1,803.22	1/2	1,444.84	1/2	1,086.46	1/2	728.57	1/2	373.89	1/2	59.88	1/2		1/2	
3/4	2,512.52	3/4	2,154.14	3/4	1,795.75	3/4	1,437.37	3/4	1,078.99	3/4	721.11	3/4	366.80	3/4	53.84	3/4		3/4	
2	2,505.05	2	2,146.67	2	1,788.29	2	1,429.91	2	1,071.53	2	713.64	2	359.79	2	48.60	2		2	
1/4	2,497.59	1/4	2,139.20	1/4	1,780.82	1/4	1,422.44	1/4	1,064.07	1/4	706.17	1/4	352.79	1/4	43.35	1/4		1/4	
1/2	2,490.12	1/2	2,131.74	1/2	1,773.36	1/2	1,414.97	1/2	1,056.61	1/2	698.71	1/2	345.79	1/2	38.10	1/2		1/2	
3/4	2,482.65	3/4	2,124.27	3/4	1,765.89	3/4	1,407.51	3/4	1,049.14	3/4	691.24	3/4	338.78	3/4	32.85	3/4		3/4	
3	2,475.19	3	2,116.81	3	1,758.42	3	1,400.04	3	1,041.68	3	683.78	3	331.87	3	29.33	3		3	
1/4	2,467.72	1/4	2,109.34	1/4	1,750.96	1/4	1,392.57	1/4	1,034.23	1/4	676.31	1/4	324.95	1/4	25.80	1/4		1/4	
1/2	2,460.26	1/2	2,101.87	1/2	1,743.49	1/2	1,385.11	1/2	1,026.77	1/2	668.84	1/2	318.03	1/2	22.27	1/2		1/2	
3/4	2,452.79	3/4	2,094.41	3/4	1,736.02	3/4	1,377.64	3/4	1,019.31	3/4	661.38	3/4	311.12	3/4	18.75	3/4		3/4	
4	2,445.32	4	2,086.94	4	1,728.56	4	1,370.18	4	1,011.85	4	653.91	4	304.29	4		4		4	
1/4	2,437.86	1/4	2,079.47	1/4	1,721.09	1/4	1,362.71	1/4	1,004.40	1/4	646.45	1/4	297.46	1/4		1/4		1/4	
1/2	2,430.39	1/2	2,072.01	1/2	1,713.63	1/2	1,355.24	1/2	996.94	1/2	638.98	1/2	290.63	1/2		1/2		1/2	
3/4	2,422.92	3/4	2,064.54	3/4	1,706.16	3/4	1,347.78	3/4	989.49	3/4	631.51	3/4	283.81	3/4		3/4		3/4	
5	2,415.46	5	2,057.08	5	1,698.69	5	1,340.31	5	982.04	5	624.05	5	277.07	5		5		5	
1/4	2,407.99	1/4	2,049.61	1/4	1,691.23	1/4	1,332.84	1/4	974.58	1/4	616.58	1/4	270.33	1/4		1/4		1/4	
1/2	2,400.53	1/2	2,042.14	1/2	1,683.76	1/2	1,325.38	1/2	967.13	1/2	609.12	1/2	263.59	1/2		1/2		1/2	
3/4	2,393.06	3/4	2,034.68	3/4	1,676.29	3/4	1,317.91	3/4	959.68	3/4	601.65	3/4	256.85	3/4		3/4		3/4	
6	2,385.59	6	2,027.21	6	1,668.83	6	1,310.45	6	952.23	6	594.18	6	250.19	6		6		6	
1/4	2,378.13	1/4	2,019.74	1/4	1,661.36	1/4	1,302.98	1/4	944.77	1/4	586.72	1/4	243.54	1/4		1/4		1/4	
1/2	2,370.66	1/2	2,012.28	1/2	1,653.90	1/2	1,295.51	1/2	937.32	1/2	579.25	1/2	236.89	1/2		1/2		1/2	
3/4	2,363.19	3/4	2,004.81	3/4	1,646.43	3/4	1,288.05	3/4	929.87	3/4	571.79	3/4	230.24	3/4		3/4		3/4	
7	2,355.73	7	1,997.34	7	1,638.96	7	1,280.58	7	922.42	7	564.33	7	223.67	7		7		7	
1/4	2,348.26	1/4	1,989.88	1/4	1,631.50	1/4	1,273.11	1/4	914.96	1/4	556.86	1/4	217.11	1/4		1/4		1/4	
1/2	2,340.79	1/2	1,982.41	1/2	1,624.03	1/2	1,265.65	1/2	907.51	1/2	549.40	1/2	210.55	1/2		1/2		1/2	
3/4	2,333.33	3/4	1,974.95	3/4	1,616.56	3/4	1,258.18	3/4	900.06	3/4	541.94	3/4	203.98	3/4		3/4		3/4	
8	2,325.86	8	1,967.48	8	1,609.10	8	1,250.71	8	892.61	8	534.49	8	197.51	8		8		8	
1/4	2,318.40	1/4	1,960.01	1/4	1,601.63	1/4	1,243.25	1/4	885.15	1/4	527.03	1/4	191.03	1/4		1/4		1/4	
1/2	2,310.93	1/2	1,952.55	1/2	1,594.16	1/2	1,235.78	1/2	877.70	1/2	519.57	1/2	184.56	1/2		1/2		1/2	
3/4	2,303.46	3/4	1,945.08	3/4	1,586.70	3/4	1,228.32	3/4	870.25	3/4	512.11	3/4	178.08	3/4		3/4		3/4	
9	2,296.00	9	1,937.61	9	1,579.23	9	1,220.85	9	862.80	9	504.68	9	171.69	9		9		9	
1/4	2,288.53	1/4	1,930.15	1/4	1,571.77	1/4	1,213.38	1/4	855.35	1/4	497.25	1/4	165.30	1/4		1/4		1/4	
1/2	2,281.06	1/2	1,922.68	1/2	1,564.30	1/2	1,205.92	1/2	847.89	1/2	489.82	1/2	158.92	1/2		1/2		1/2	
3/4	2,273.60	3/4	1,915.22	3/4	1,556.83	3/4	1,198.45	3/4	840.44	3/4	482.38	3/4	152.53	3/4		3/4		3/4	
10	2,266.13	10	1,907.75	10	1,549.37	10	1,190.98	10	832.99	10	475.03	10	146.23	10		10		10	
1/4	2,258.67	1/4	1,900.28	1/4	1,541.90	1/4	1,183.52	1/4	825.54	1/4	467.67	1/4	139.93	1/4		1/4		1/4	
1/2	2,251.20	1/2	1,892.82	1/2	1,534.43	1/2	1,176.05	1/2	818.08	1/2	460.32	1/2	133.63	1/2		1/2		1/2	
3/4	2,243.73	3/4	1,885.35	3/4	1,526.97	3/4	1,168.59	3/4	810.63	3/4	452.96	3/4	127.33	3/4		3/4		3/4	
11	2,236.27	11	1,877.88	11	1,519.50	11	1,161.12	11	803.18	11	445.69	11	121.12	11		11		11	
1/4	2,228.80	1/4	1,870.42	1/4	1,512.04	1/4	1,153.65	1/4	795.73	1/4	438.42	1/4	114.91	1/4		1/4		1/4	
1/2	2,221.33	1/2	1,862.95	1/2	1,504.57	1/2	1,146.19	1/2	788.27	1/2	431.16	1/2	108.69	1/2		1/2		1/2	
3/4	2,213.87	3/4	1,855.49	3/4	1,497.10	3/4	1,138.72	3/4	780.82	3/4	423.89	3/4	102.48	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/11/2013 CL
VERIFIED: 11/20/2023 JS
NAME CHANGE: 12/06/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2023



BARGE "KIRBY 29169"

2 PORT ULLAGE TABLE "HERMETIC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30055"

GAUGE HEIGHT 17'-03 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		0		0	4,771.74	0	4,414.21	0	4,055.41	0	3,696.52	0	3,337.63	0	2,978.74
1/4		1/4		1/4		1/4		1/4	4,764.33	1/4	4,406.76	1/4	4,047.94	1/4	3,689.05	1/4	3,330.16	1/4	2,971.26
1/2		1/2		1/2		1/2		1/2	4,756.91	1/2	4,399.30	1/2	4,040.46	1/2	3,681.57	1/2	3,322.68	1/2	2,963.78
3/4		3/4		3/4		3/4		3/4	4,749.50	3/4	4,391.85	3/4	4,032.98	3/4	3,674.09	3/4	3,315.20	3/4	2,956.30
1		1		1		1	5,078.09	1	4,742.08	1	4,384.38	1	4,025.51	1	3,666.62	1	3,307.72	1	2,948.82
1/4		1/4		1/4		1/4	5,073.61	1/4	4,734.67	1/4	4,376.91	1/4	4,018.03	1/4	3,659.14	1/4	3,300.25	1/4	2,941.34
1/2		1/2		1/2		1/2	5,069.13	1/2	4,727.25	1/2	4,369.44	1/2	4,010.55	1/2	3,651.66	1/2	3,292.77	1/2	2,933.86
3/4		3/4		3/4		3/4	5,064.65	3/4	4,719.84	3/4	4,361.97	3/4	4,003.08	3/4	3,644.19	3/4	3,285.29	3/4	2,926.37
2		2		2		2	5,059.10	2	4,712.39	2	4,354.49	2	3,995.60	2	3,636.71	2	3,277.82	2	2,918.89
1/4		1/4		1/4		1/4	5,053.55	1/4	4,704.95	1/4	4,347.01	1/4	3,988.12	1/4	3,629.23	1/4	3,270.34	1/4	2,911.41
1/2		1/2		1/2		1/2	5,048.00	1/2	4,697.50	1/2	4,339.54	1/2	3,980.65	1/2	3,621.75	1/2	3,262.86	1/2	2,903.93
3/4		3/4		3/4		3/4	5,042.45	3/4	4,690.06	3/4	4,332.06	3/4	3,973.17	3/4	3,614.28	3/4	3,255.39	3/4	2,896.45
3		3		3		3	5,035.84	3	4,682.60	3	4,324.58	3	3,965.69	3	3,606.80	3	3,247.91	3	2,888.97
1/4		1/4		1/4		1/4	5,029.22	1/4	4,675.15	1/4	4,317.11	1/4	3,958.22	1/4	3,599.32	1/4	3,240.43	1/4	2,881.49
1/2		1/2		1/2		1/2	5,022.60	1/2	4,667.69	1/2	4,309.63	1/2	3,950.74	1/2	3,591.85	1/2	3,232.96	1/2	2,874.01
3/4		3/4		3/4		3/4	5,015.99	3/4	4,660.24	3/4	4,302.15	3/4	3,943.26	3/4	3,584.37	3/4	3,225.48	3/4	2,866.53
4		4		4		4	5,008.70	4	4,652.78	4	4,294.68	4	3,935.78	4	3,576.89	4	3,218.00	4	2,859.05
1/4		1/4		1/4		1/4	5,001.41	1/4	4,645.33	1/4	4,287.20	1/4	3,928.31	1/4	3,569.42	1/4	3,210.53	1/4	2,851.57
1/2		1/2		1/2		1/2	4,994.13	1/2	4,637.87	1/2	4,279.72	1/2	3,920.83	1/2	3,561.94	1/2	3,203.05	1/2	2,844.08
3/4		3/4		3/4		3/4	4,986.84	3/4	4,630.42	3/4	4,272.25	3/4	3,913.35	3/4	3,554.46	3/4	3,195.57	3/4	2,836.60
5		5		5		5	4,979.42	5	4,622.96	5	4,264.77	5	3,905.88	5	3,546.99	5	3,188.09	5	2,829.12
1/4		1/4		1/4		1/4	4,972.00	1/4	4,615.51	1/4	4,257.29	1/4	3,898.40	1/4	3,539.51	1/4	3,180.62	1/4	2,821.64
1/2		1/2		1/2		1/2	4,964.59	1/2	4,608.05	1/2	4,249.81	1/2	3,890.92	1/2	3,532.03	1/2	3,173.14	1/2	2,814.16
3/4		3/4		3/4		3/4	4,957.17	3/4	4,600.59	3/4	4,242.34	3/4	3,883.45	3/4	3,524.56	3/4	3,165.66	3/4	2,806.68
6		6		6		6	4,949.75	6	4,593.14	6	4,234.86	6	3,875.97	6	3,517.08	6	3,158.19	6	2,799.20
1/4		1/4		1/4		1/4	4,942.33	1/4	4,585.68	1/4	4,227.38	1/4	3,868.49	1/4	3,509.60	1/4	3,150.71	1/4	2,791.72
1/2		1/2		1/2		1/2	4,934.91	1/2	4,578.23	1/2	4,219.91	1/2	3,861.02	1/2	3,502.12	1/2	3,143.23	1/2	2,784.24
3/4		3/4		3/4		3/4	4,927.49	3/4	4,570.77	3/4	4,212.43	3/4	3,853.54	3/4	3,494.65	3/4	3,135.76	3/4	2,776.76
7		7		7		7	4,920.07	7	4,563.32	7	4,204.95	7	3,846.06	7	3,487.17	7	3,128.28	7	2,769.28
1/4		1/4		1/4		1/4	4,912.65	1/4	4,555.86	1/4	4,197.48	1/4	3,838.58	1/4	3,479.69	1/4	3,120.80	1/4	2,761.79
1/2		1/2		1/2		1/2	4,905.23	1/2	4,548.41	1/2	4,190.00	1/2	3,831.11	1/2	3,472.22	1/2	3,113.33	1/2	2,754.31
3/4		3/4		3/4		3/4	4,897.81	3/4	4,540.95	3/4	4,182.52	3/4	3,823.63	3/4	3,464.74	3/4	3,105.85	3/4	2,746.83
8		8		8		8	4,890.39	8	4,533.50	8	4,175.05	8	3,816.15	8	3,457.26	8	3,098.37	8	2,739.35
1/4		1/4		1/4		1/4	4,882.98	1/4	4,526.04	1/4	4,167.57	1/4	3,808.68	1/4	3,449.79	1/4	3,090.89	1/4	2,731.87
1/2		1/2		1/2		1/2	4,875.56	1/2	4,518.59	1/2	4,160.09	1/2	3,801.20	1/2	3,442.31	1/2	3,083.42	1/2	2,724.39
3/4		3/4		3/4		3/4	4,868.14	3/4	4,511.13	3/4	4,152.61	3/4	3,793.72	3/4	3,434.83	3/4	3,075.94	3/4	2,716.91
9		9		9		9	4,860.73	9	4,503.68	9	4,145.14	9	3,786.25	9	3,427.36	9	3,068.46	9	2,709.43
1/4		1/4		1/4		1/4	4,853.31	1/4	4,496.22	1/4	4,137.66	1/4	3,778.77	1/4	3,419.88	1/4	3,060.99	1/4	2,701.95
1/2		1/2		1/2		1/2	4,845.90	1/2	4,488.77	1/2	4,130.18	1/2	3,771.29	1/2	3,412.40	1/2	3,053.51	1/2	2,694.47
3/4		3/4		3/4		3/4	4,838.48	3/4	4,481.31	3/4	4,122.71	3/4	3,763.82	3/4	3,404.92	3/4	3,046.03	3/4	2,686.99
10		10		10		10	4,831.07	10	4,473.86	10	4,115.23	10	3,756.34	10	3,397.45	10	3,038.56	10	2,679.50
1/4		1/4		1/4		1/4	4,823.65	1/4	4,466.40	1/4	4,107.75	1/4	3,748.86	1/4	3,389.97	1/4	3,031.08	1/4	2,672.02
1/2		1/2		1/2		1/2	4,816.24	1/2	4,458.95	1/2	4,100.28	1/2	3,741.39	1/2	3,382.49	1/2	3,023.60	1/2	2,664.54
3/4		3/4		3/4		3/4	4,808.82	3/4	4,451.49	3/4	4,092.80	3/4	3,733.91	3/4	3,375.02	3/4	3,016.13	3/4	2,657.06
11		11		11		11	4,801.41	11	4,444.04	11	4,085.32	11	3,726.43	11	3,367.54	11	3,008.65	11	2,649.58
1/4		1/4		1/4		1/4	4,793.99	1/4	4,436.58	1/4	4,077.85	1/4	3,718.95	1/4	3,360.06	1/4	3,001.17	1/4	2,642.10
1/2		1/2		1/2		1/2	4,786.57	1/2	4,429.12	1/2	4,070.37	1/2	3,711.48	1/2	3,352.59	1/2	2,993.70	1/2	2,634.62
3/4		3/4		3/4		3/4	4,779.16	3/4	4,421.67	3/4	4,062.89	3/4	3,704.00	3/4	3,345.11	3/4	2,986.22	3/4	2,627.14

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 WITH HERMETIC GAUGING DEVICE.

GAUGE POINT: (HERMETIC) 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 29169"

2 PORT ULLAGE TABLE "HERMETIC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30055"

GAUGE HEIGHT 17'-03 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	2,619.66	0	2,260.57	0	1,901.49	0	1,542.41	0	1,183.54	0	838.38	0	479.54	0	120.47	0		0	
1/4	2,612.18	1/4	2,253.09	1/4	1,894.01	1/4	1,534.93	1/4	1,176.27	1/4	830.98	1/4	472.06	1/4	112.99	1/4		1/4	
1/2	2,604.70	1/2	2,245.61	1/2	1,886.53	1/2	1,527.45	1/2	1,169.00	1/2	823.58	1/2	464.58	1/2	105.51	1/2		1/2	
3/4	2,597.21	3/4	2,238.13	3/4	1,879.05	3/4	1,519.97	3/4	1,161.73	3/4	816.17	3/4	457.10	3/4	98.02	3/4		3/4	
1	2,589.73	1	2,230.65	1	1,871.57	1	1,512.48	1	1,154.53	1	808.69	1	449.62	1	90.54	1		1	
1/4	2,582.25	1/4	2,223.17	1/4	1,864.09	1/4	1,505.00	1/4	1,147.33	1/4	801.21	1/4	442.14	1/4	83.06	1/4		1/4	
1/2	2,574.77	1/2	2,215.69	1/2	1,856.61	1/2	1,497.52	1/2	1,140.14	1/2	793.73	1/2	434.66	1/2	75.58	1/2		1/2	
3/4	2,567.29	3/4	2,208.21	3/4	1,849.12	3/4	1,490.04	3/4	1,132.94	3/4	786.25	3/4	427.18	3/4	68.10	3/4		3/4	
2	2,559.81	2	2,200.73	2	1,841.64	2	1,482.56	2	1,125.75	2	778.77	2	419.70	2	61.32	2		2	
1/4	2,552.33	1/4	2,193.25	1/4	1,834.16	1/4	1,475.08	1/4	1,118.56	1/4	771.29	1/4	412.21	1/4	54.54	1/4		1/4	
1/2	2,544.85	1/2	2,185.77	1/2	1,826.68	1/2	1,467.60	1/2	1,111.38	1/2	763.81	1/2	404.73	1/2	47.76	1/2		1/2	
3/4	2,537.37	3/4	2,178.28	3/4	1,819.20	3/4	1,460.12	3/4	1,104.19	3/4	756.33	3/4	397.25	3/4	40.98	3/4		3/4	
3	2,529.89	3	2,170.80	3	1,811.72	3	1,452.64	3	1,097.00	3	748.85	3	389.77	3	35.84	3		3	
1/4	2,522.41	1/4	2,163.32	1/4	1,804.24	1/4	1,445.16	1/4	1,089.82	1/4	741.37	1/4	382.29	1/4	30.70	1/4		1/4	
1/2	2,514.93	1/2	2,155.84	1/2	1,796.76	1/2	1,437.68	1/2	1,082.64	1/2	733.88	1/2	374.81	1/2	25.56	1/2		1/2	
3/4	2,507.44	3/4	2,148.36	3/4	1,789.28	3/4	1,430.19	3/4	1,075.45	3/4	726.40	3/4	367.33	3/4	20.41	3/4		3/4	
4	2,499.96	4	2,140.88	4	1,781.80	4	1,422.71	4	1,068.27	4	718.92	4	359.85	4		4		4	
1/4	2,492.48	1/4	2,133.40	1/4	1,774.32	1/4	1,415.23	1/4	1,061.10	1/4	711.44	1/4	352.37	1/4		1/4		1/4	
1/2	2,485.00	1/2	2,125.92	1/2	1,766.84	1/2	1,407.75	1/2	1,053.92	1/2	703.96	1/2	344.89	1/2		1/2		1/2	
3/4	2,477.52	3/4	2,118.44	3/4	1,759.35	3/4	1,400.27	3/4	1,046.74	3/4	696.48	3/4	337.41	3/4		3/4		3/4	
5	2,470.04	5	2,110.96	5	1,751.87	5	1,392.79	5	1,039.56	5	689.00	5	329.93	5		5		5	
1/4	2,462.56	1/4	2,103.48	1/4	1,744.39	1/4	1,385.31	1/4	1,032.39	1/4	681.52	1/4	322.45	1/4		1/4		1/4	
1/2	2,455.08	1/2	2,095.99	1/2	1,736.91	1/2	1,377.83	1/2	1,025.21	1/2	674.04	1/2	314.97	1/2		1/2		1/2	
3/4	2,447.60	3/4	2,088.51	3/4	1,729.43	3/4	1,370.35	3/4	1,018.03	3/4	666.56	3/4	307.48	3/4		3/4		3/4	
6	2,440.12	6	2,081.03	6	1,721.95	6	1,362.87	6	1,010.85	6	659.08	6	300.00	6		6		6	
1/4	2,432.64	1/4	2,073.55	1/4	1,714.47	1/4	1,355.39	1/4	1,003.68	1/4	651.60	1/4	292.52	1/4		1/4		1/4	
1/2	2,425.15	1/2	2,066.07	1/2	1,706.99	1/2	1,347.90	1/2	996.50	1/2	644.12	1/2	285.04	1/2		1/2		1/2	
3/4	2,417.67	3/4	2,058.59	3/4	1,699.51	3/4	1,340.42	3/4	989.32	3/4	636.64	3/4	277.56	3/4		3/4		3/4	
7	2,410.19	7	2,051.11	7	1,692.03	7	1,332.94	7	982.15	7	629.15	7	270.08	7		7		7	
1/4	2,402.71	1/4	2,043.63	1/4	1,684.55	1/4	1,325.46	1/4	974.97	1/4	621.67	1/4	262.60	1/4		1/4		1/4	
1/2	2,395.23	1/2	2,036.15	1/2	1,677.06	1/2	1,317.98	1/2	967.79	1/2	614.19	1/2	255.12	1/2		1/2		1/2	
3/4	2,387.75	3/4	2,028.67	3/4	1,669.58	3/4	1,310.50	3/4	960.62	3/4	606.71	3/4	247.64	3/4		3/4		3/4	
8	2,380.27	8	2,021.19	8	1,662.10	8	1,303.02	8	953.44	8	599.23	8	240.16	8		8		8	
1/4	2,372.79	1/4	2,013.70	1/4	1,654.62	1/4	1,295.54	1/4	946.26	1/4	591.75	1/4	232.68	1/4		1/4		1/4	
1/2	2,365.31	1/2	2,006.22	1/2	1,647.14	1/2	1,288.06	1/2	939.09	1/2	584.27	1/2	225.20	1/2		1/2		1/2	
3/4	2,357.83	3/4	1,998.74	3/4	1,639.66	3/4	1,280.58	3/4	931.91	3/4	576.79	3/4	217.72	3/4		3/4		3/4	
9	2,350.35	9	1,991.26	9	1,632.18	9	1,273.10	9	924.73	9	569.31	9	210.24	9		9		9	
1/4	2,342.86	1/4	1,983.78	1/4	1,624.70	1/4	1,265.61	1/4	917.56	1/4	561.83	1/4	202.75	1/4		1/4		1/4	
1/2	2,335.38	1/2	1,976.30	1/2	1,617.22	1/2	1,258.13	1/2	910.38	1/2	554.35	1/2	195.27	1/2		1/2		1/2	
3/4	2,327.90	3/4	1,968.82	3/4	1,609.74	3/4	1,250.65	3/4	903.20	3/4	546.87	3/4	187.79	3/4		3/4		3/4	
10	2,320.42	10	1,961.34	10	1,602.26	10	1,243.17	10	896.03	10	539.39	10	180.31	10		10		10	
1/4	2,312.94	1/4	1,953.86	1/4	1,594.77	1/4	1,235.69	1/4	888.85	1/4	531.91	1/4	172.83	1/4		1/4		1/4	
1/2	2,305.46	1/2	1,946.38	1/2	1,587.29	1/2	1,228.21	1/2	881.67	1/2	524.42	1/2	165.35	1/2		1/2		1/2	
3/4	2,297.98	3/4	1,938.90	3/4	1,579.81	3/4	1,220.73	3/4	874.50	3/4	516.94	3/4	157.87	3/4		3/4		3/4	
11	2,290.50	11	1,931.41	11	1,572.33	11	1,213.25	11	867.32	11	509.46	11	150.39	11		11		11	
1/4	2,283.02	1/4	1,923.93	1/4	1,564.85	1/4	1,205.77	1/4	860.14	1/4	501.98	1/4	142.91	1/4		1/4		1/4	
1/2	2,275.54	1/2	1,916.45	1/2	1,557.37	1/2	1,198.29	1/2	852.97	1/2	494.50	1/2	135.43	1/2		1/2		1/2	
3/4	2,268.06	3/4	1,908.97	3/4	1,549.89	3/4	1,190.81	3/4	845.79	3/4	487.02	3/4	127.95	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/11/2013 CL
VERIFIED: 11/20/2023 JS
NAME CHANGE: 12/06/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

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BARGE "KIRBY 29169"

2 STBD ULLAGE TABLE "HERMETIC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30055"

GAUGE HEIGHT 17'-03 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		0		0	4,789.12	0	4,431.33	0	4,072.27	0	3,713.12	0	3,353.97	0	2,994.81
1/4		1/4		1/4		1/4		1/4	4,781.70	1/4	4,423.87	1/4	4,064.79	1/4	3,705.64	1/4	3,346.49	1/4	2,987.33
1/2		1/2		1/2		1/2		1/2	4,774.28	1/2	4,416.41	1/2	4,057.31	1/2	3,698.16	1/2	3,339.00	1/2	2,979.84
3/4		3/4		3/4		3/4		3/4	4,766.86	3/4	4,408.95	3/4	4,049.82	3/4	3,690.67	3/4	3,331.52	3/4	2,972.35
1		1		1		1	5,095.70	1	4,759.44	1	4,401.48	1	4,042.34	1	3,683.19	1	3,324.04	1	2,964.87
1/4		1/4		1/4		1/4	5,091.22	1/4	4,752.02	1/4	4,394.00	1/4	4,034.86	1/4	3,675.71	1/4	3,316.56	1/4	2,957.38
1/2		1/2		1/2		1/2	5,086.73	1/2	4,744.60	1/2	4,386.52	1/2	4,027.38	1/2	3,668.23	1/2	3,309.08	1/2	2,949.90
3/4		3/4		3/4		3/4	5,082.25	3/4	4,737.18	3/4	4,379.04	3/4	4,019.89	3/4	3,660.74	3/4	3,301.59	3/4	2,942.41
2		2		2		2	5,076.70	2	4,729.73	2	4,371.56	2	4,012.41	2	3,653.26	2	3,294.11	2	2,934.92
1/4		1/4		1/4		1/4	5,071.14	1/4	4,722.28	1/4	4,364.08	1/4	4,004.93	1/4	3,645.78	1/4	3,286.63	1/4	2,927.44
1/2		1/2		1/2		1/2	5,065.59	1/2	4,714.83	1/2	4,356.60	1/2	3,997.45	1/2	3,638.30	1/2	3,279.15	1/2	2,919.95
3/4		3/4		3/4		3/4	5,060.04	3/4	4,707.38	3/4	4,349.12	3/4	3,989.97	3/4	3,630.81	3/4	3,271.66	3/4	2,912.46
3		3		3		3	5,053.41	3	4,699.92	3	4,341.63	3	3,982.48	3	3,623.33	3	3,264.18	3	2,904.98
1/4		1/4		1/4		1/4	5,046.79	1/4	4,692.46	1/4	4,334.15	1/4	3,975.00	1/4	3,615.85	1/4	3,256.70	1/4	2,897.49
1/2		1/2		1/2		1/2	5,040.17	1/2	4,684.99	1/2	4,326.67	1/2	3,967.52	1/2	3,608.37	1/2	3,249.22	1/2	2,890.00
3/4		3/4		3/4		3/4	5,033.54	3/4	4,677.53	3/4	4,319.19	3/4	3,960.04	3/4	3,600.89	3/4	3,241.73	3/4	2,882.52
4		4		4		4	5,026.25	4	4,670.07	4	4,311.70	4	3,952.55	4	3,593.40	4	3,234.25	4	2,875.03
1/4		1/4		1/4		1/4	5,018.96	1/4	4,662.61	1/4	4,304.22	1/4	3,945.07	1/4	3,585.92	1/4	3,226.77	1/4	2,867.55
1/2		1/2		1/2		1/2	5,011.67	1/2	4,655.15	1/2	4,296.74	1/2	3,937.59	1/2	3,578.44	1/2	3,219.29	1/2	2,860.06
3/4		3/4		3/4		3/4	5,004.38	3/4	4,647.69	3/4	4,289.26	3/4	3,930.11	3/4	3,570.96	3/4	3,211.81	3/4	2,852.57
5		5		5		5	4,996.95	5	4,640.23	5	4,281.77	5	3,922.62	5	3,563.47	5	3,204.32	5	2,845.09
1/4		1/4		1/4		1/4	4,989.53	1/4	4,632.77	1/4	4,274.29	1/4	3,915.14	1/4	3,555.99	1/4	3,196.84	1/4	2,837.60
1/2		1/2		1/2		1/2	4,982.11	1/2	4,625.31	1/2	4,266.81	1/2	3,907.66	1/2	3,548.51	1/2	3,189.36	1/2	2,830.11
3/4		3/4		3/4		3/4	4,974.68	3/4	4,617.85	3/4	4,259.33	3/4	3,900.18	3/4	3,541.03	3/4	3,181.88	3/4	2,822.63
6		6		6		6	4,967.26	6	4,610.39	6	4,251.85	6	3,892.70	6	3,533.54	6	3,174.39	6	2,815.14
1/4		1/4		1/4		1/4	4,959.83	1/4	4,602.93	1/4	4,244.36	1/4	3,885.21	1/4	3,526.06	1/4	3,166.91	1/4	2,807.66
1/2		1/2		1/2		1/2	4,952.41	1/2	4,595.47	1/2	4,236.88	1/2	3,877.73	1/2	3,518.58	1/2	3,159.43	1/2	2,800.17
3/4		3/4		3/4		3/4	4,944.98	3/4	4,588.01	3/4	4,229.40	3/4	3,870.25	3/4	3,511.10	3/4	3,151.95	3/4	2,792.68
7		7		7		7	4,937.56	7	4,580.55	7	4,221.92	7	3,862.77	7	3,503.62	7	3,144.47	7	2,785.20
1/4		1/4		1/4		1/4	4,930.13	1/4	4,573.09	1/4	4,214.43	1/4	3,855.28	1/4	3,496.13	1/4	3,136.98	1/4	2,777.71
1/2		1/2		1/2		1/2	4,922.71	1/2	4,565.62	1/2	4,206.95	1/2	3,847.80	1/2	3,488.65	1/2	3,129.50	1/2	2,770.22
3/4		3/4		3/4		3/4	4,915.28	3/4	4,558.16	3/4	4,199.47	3/4	3,840.32	3/4	3,481.17	3/4	3,122.02	3/4	2,762.74
8		8		8		8	4,907.86	8	4,550.70	8	4,191.99	8	3,832.84	8	3,473.69	8	3,114.54	8	2,755.25
1/4		1/4		1/4		1/4	4,900.44	1/4	4,543.24	1/4	4,184.50	1/4	3,825.35	1/4	3,466.20	1/4	3,107.05	1/4	2,747.77
1/2		1/2		1/2		1/2	4,893.02	1/2	4,535.78	1/2	4,177.02	1/2	3,817.87	1/2	3,458.72	1/2	3,099.57	1/2	2,740.28
3/4		3/4		3/4		3/4	4,885.59	3/4	4,528.32	3/4	4,169.54	3/4	3,810.39	3/4	3,451.24	3/4	3,092.09	3/4	2,732.79
9		9		9		9	4,878.17	9	4,520.86	9	4,162.06	9	3,802.91	9	3,443.76	9	3,084.61	9	2,725.31
1/4		1/4		1/4		1/4	4,870.75	1/4	4,513.40	1/4	4,154.58	1/4	3,795.43	1/4	3,436.27	1/4	3,077.12	1/4	2,717.82
1/2		1/2		1/2		1/2	4,863.33	1/2	4,505.94	1/2	4,147.09	1/2	3,787.94	1/2	3,428.79	1/2	3,069.64	1/2	2,710.33
3/4		3/4		3/4		3/4	4,855.91	3/4	4,498.48	3/4	4,139.61	3/4	3,780.46	3/4	3,421.31	3/4	3,062.16	3/4	2,702.85
10		10		10		10	4,848.49	10	4,491.02	10	4,132.13	10	3,772.98	10	3,413.83	10	3,054.68	10	2,695.36
1/4		1/4		1/4		1/4	4,841.07	1/4	4,483.56	1/4	4,124.65	1/4	3,765.50	1/4	3,406.35	1/4	3,047.20	1/4	2,687.87
1/2		1/2		1/2		1/2	4,833.65	1/2	4,476.10	1/2	4,117.16	1/2	3,758.01	1/2	3,398.86	1/2	3,039.71	1/2	2,680.39
3/4		3/4		3/4		3/4	4,826.23	3/4	4,468.64	3/4	4,109.68	3/4	3,750.53	3/4	3,391.38	3/4	3,032.23	3/4	2,672.90
11		11		11		11	4,818.81	11	4,461.18	11	4,102.20	11	3,743.05	11	3,383.90	11	3,024.75	11	2,665.42
1/4		1/4		1/4		1/4	4,811.39	1/4	4,453.72	1/4	4,094.72	1/4	3,735.57	1/4	3,376.42	1/4	3,017.27	1/4	2,657.93
1/2		1/2		1/2		1/2	4,803.96	1/2	4,446.26	1/2	4,087.23	1/2	3,728.08	1/2	3,368.93	1/2	3,009.78	1/2	2,650.44
3/4		3/4		3/4		3/4	4,796.54	3/4	4,438.79	3/4	4,079.75	3/4	3,720.60	3/4	3,361.45	3/4	3,002.30	3/4	2,642.96

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH HERMETIC GAUGING DEVICE.

GAUGE POINT: (HERMETIC) 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 29169"

2 STBD ULLAGE TABLE "HERMETIC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30055"

GAUGE HEIGHT 17'-03 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	2,635.47	0	2,276.13	0	1,916.79	0	1,557.44	0	1,198.10	0	839.21	0	479.88	0	120.55	0		0	
1/4	2,627.98	1/4	2,268.64	1/4	1,909.30	1/4	1,549.96	1/4	1,190.61	1/4	831.72	1/4	472.40	1/4	113.07	1/4		1/4	
1/2	2,620.50	1/2	2,261.16	1/2	1,901.81	1/2	1,542.47	1/2	1,183.13	1/2	824.24	1/2	464.91	1/2	105.58	1/2		1/2	
3/4	2,613.01	3/4	2,253.67	3/4	1,894.33	3/4	1,534.98	3/4	1,175.64	3/4	816.76	3/4	457.43	3/4	98.09	3/4		3/4	
1	2,605.53	1	2,246.18	1	1,886.84	1	1,527.50	1	1,168.16	1	809.27	1	449.94	1	90.61	1		1	
1/4	2,598.04	1/4	2,238.70	1/4	1,879.35	1/4	1,520.01	1/4	1,160.67	1/4	801.79	1/4	442.45	1/4	83.12	1/4		1/4	
1/2	2,590.55	1/2	2,231.21	1/2	1,871.87	1/2	1,512.53	1/2	1,153.18	1/2	794.30	1/2	434.97	1/2	75.63	1/2		1/2	
3/4	2,583.07	3/4	2,223.72	3/4	1,864.38	3/4	1,505.04	3/4	1,145.70	3/4	786.81	3/4	427.48	3/4	68.15	3/4		3/4	
2	2,575.58	2	2,216.24	2	1,856.90	2	1,497.55	2	1,138.21	2	779.33	2	420.00	2	61.36	2		2	
1/4	2,568.09	1/4	2,208.75	1/4	1,849.41	1/4	1,490.07	1/4	1,130.73	1/4	771.84	1/4	412.51	1/4	54.58	1/4		1/4	
1/2	2,560.61	1/2	2,201.27	1/2	1,841.92	1/2	1,482.58	1/2	1,123.25	1/2	764.36	1/2	405.02	1/2	47.80	1/2		1/2	
3/4	2,553.12	3/4	2,193.78	3/4	1,834.44	3/4	1,475.09	3/4	1,115.77	3/4	756.87	3/4	397.54	3/4	41.01	3/4		3/4	
3	2,545.64	3	2,186.29	3	1,826.95	3	1,467.61	3	1,108.29	3	749.38	3	390.05	3	35.87	3		3	
1/4	2,538.15	1/4	2,178.81	1/4	1,819.46	1/4	1,460.12	1/4	1,100.81	1/4	741.90	1/4	382.56	1/4	30.72	1/4		1/4	
1/2	2,530.66	1/2	2,171.32	1/2	1,811.98	1/2	1,452.64	1/2	1,093.33	1/2	734.41	1/2	375.08	1/2	25.57	1/2		1/2	
3/4	2,523.18	3/4	2,163.83	3/4	1,804.49	3/4	1,445.15	3/4	1,085.85	3/4	726.93	3/4	367.59	3/4	20.43	3/4		3/4	
4	2,515.69	4	2,156.35	4	1,797.01	4	1,437.66	4	1,078.37	4	719.44	4	360.11	4		4		4	
1/4	2,508.20	1/4	2,148.86	1/4	1,789.52	1/4	1,430.18	1/4	1,070.90	1/4	711.95	1/4	352.62	1/4		1/4		1/4	
1/2	2,500.72	1/2	2,141.37	1/2	1,782.03	1/2	1,422.69	1/2	1,063.42	1/2	704.47	1/2	345.13	1/2		1/2		1/2	
3/4	2,493.23	3/4	2,133.89	3/4	1,774.55	3/4	1,415.20	3/4	1,055.95	3/4	696.98	3/4	337.65	3/4		3/4		3/4	
5	2,485.74	5	2,126.40	5	1,767.06	5	1,407.72	5	1,048.47	5	689.49	5	330.16	5		5		5	
1/4	2,478.26	1/4	2,118.92	1/4	1,759.57	1/4	1,400.23	1/4	1,041.00	1/4	682.01	1/4	322.68	1/4		1/4		1/4	
1/2	2,470.77	1/2	2,111.43	1/2	1,752.09	1/2	1,392.74	1/2	1,033.53	1/2	674.52	1/2	315.19	1/2		1/2		1/2	
3/4	2,463.29	3/4	2,103.94	3/4	1,744.60	3/4	1,385.26	3/4	1,026.05	3/4	667.04	3/4	307.70	3/4		3/4		3/4	
6	2,455.80	6	2,096.46	6	1,737.11	6	1,377.77	6	1,018.58	6	659.55	6	300.22	6		6		6	
1/4	2,448.31	1/4	2,088.97	1/4	1,729.63	1/4	1,370.29	1/4	1,011.11	1/4	652.06	1/4	292.73	1/4		1/4		1/4	
1/2	2,440.83	1/2	2,081.48	1/2	1,722.14	1/2	1,362.80	1/2	1,003.63	1/2	644.58	1/2	285.25	1/2		1/2		1/2	
3/4	2,433.34	3/4	2,074.00	3/4	1,714.66	3/4	1,355.31	3/4	996.16	3/4	637.09	3/4	277.76	3/4		3/4		3/4	
7	2,425.85	7	2,066.51	7	1,707.17	7	1,347.83	7	988.69	7	629.61	7	270.27	7		7		7	
1/4	2,418.37	1/4	2,059.03	1/4	1,699.68	1/4	1,340.34	1/4	981.21	1/4	622.12	1/4	262.79	1/4		1/4		1/4	
1/2	2,410.88	1/2	2,051.54	1/2	1,692.20	1/2	1,332.85	1/2	973.74	1/2	614.63	1/2	255.30	1/2		1/2		1/2	
3/4	2,403.40	3/4	2,044.05	3/4	1,684.71	3/4	1,325.37	3/4	966.26	3/4	607.15	3/4	247.81	3/4		3/4		3/4	
8	2,395.91	8	2,036.57	8	1,677.22	8	1,317.88	8	958.79	8	599.66	8	240.33	8		8		8	
1/4	2,388.42	1/4	2,029.08	1/4	1,669.74	1/4	1,310.40	1/4	951.32	1/4	592.18	1/4	232.84	1/4		1/4		1/4	
1/2	2,380.94	1/2	2,021.59	1/2	1,662.25	1/2	1,302.91	1/2	943.84	1/2	584.69	1/2	225.36	1/2		1/2		1/2	
3/4	2,373.45	3/4	2,014.11	3/4	1,654.77	3/4	1,295.42	3/4	936.37	3/4	577.20	3/4	217.87	3/4		3/4		3/4	
9	2,365.96	9	2,006.62	9	1,647.28	9	1,287.94	9	928.90	9	569.72	9	210.38	9		9		9	
1/4	2,358.48	1/4	1,999.14	1/4	1,639.79	1/4	1,280.45	1/4	921.42	1/4	562.23	1/4	202.90	1/4		1/4		1/4	
1/2	2,350.99	1/2	1,991.65	1/2	1,632.31	1/2	1,272.96	1/2	913.95	1/2	554.75	1/2	195.41	1/2		1/2		1/2	
3/4	2,343.50	3/4	1,984.16	3/4	1,624.82	3/4	1,265.48	3/4	906.48	3/4	547.26	3/4	187.93	3/4		3/4		3/4	
10	2,336.02	10	1,976.68	10	1,617.33	10	1,257.99	10	899.00	10	539.77	10	180.44	10		10		10	
1/4	2,328.53	1/4	1,969.19	1/4	1,609.85	1/4	1,250.51	1/4	891.53	1/4	532.29	1/4	172.95	1/4		1/4		1/4	
1/2	2,321.05	1/2	1,961.70	1/2	1,602.36	1/2	1,243.02	1/2	884.06	1/2	524.80	1/2	165.47	1/2		1/2		1/2	
3/4	2,313.56	3/4	1,954.22	3/4	1,594.87	3/4	1,235.53	3/4	876.58	3/4	517.31	3/4	157.98	3/4		3/4		3/4	
11	2,306.07	11	1,946.73	11	1,587.39	11	1,228.05	11	869.11	11	509.83	11	150.50	11		11		11	
1/4	2,298.59	1/4	1,939.24	1/4	1,579.90	1/4	1,220.56	1/4	861.64	1/4	502.34	1/4	143.01	1/4		1/4		1/4	
1/2	2,291.10	1/2	1,931.76	1/2	1,572.42	1/2	1,213.07	1/2	854.16	1/2	494.86	1/2	135.52	1/2		1/2		1/2	
3/4	2,283.61	3/4	1,924.27	3/4	1,564.93	3/4	1,205.59	3/4	846.69	3/4	487.37	3/4	128.04	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/11/2013 CL
VERIFIED: 11/20/2023 JS
NAME CHANGE: 12/06/2026 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 29169"

3 PORT ULLAGE TABLE "HERMETIC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30055"

GAUGE HEIGHT 17'-03 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		0		0	4,297.64	0	4,079.29	0	3,860.07	0	3,640.80	0	3,318.95	0	2,962.42
1/4		1/4		1/4		1/4		1/4	4,293.12	1/4	4,074.73	1/4	3,855.51	1/4	3,636.24	1/4	3,311.54	1/4	2,954.99
1/2		1/2		1/2		1/2		1/2	4,288.59	1/2	4,070.18	1/2	3,850.94	1/2	3,631.67	1/2	3,304.13	1/2	2,947.56
3/4		3/4		3/4		3/4		3/4	4,284.07	3/4	4,065.63	3/4	3,846.37	3/4	3,627.10	3/4	3,296.72	3/4	2,940.12
1		1		1		1	4,477.65	1	4,279.54	1	4,061.06	1	3,841.80	1	3,622.53	1	3,289.31	1	2,932.69
1/4		1/4		1/4		1/4	4,475.80	1/4	4,275.01	1/4	4,056.50	1/4	3,837.23	1/4	3,617.96	1/4	3,281.90	1/4	2,925.26
1/2		1/2		1/2		1/2	4,473.95	1/2	4,270.49	1/2	4,051.93	1/2	3,832.66	1/2	3,613.40	1/2	3,274.49	1/2	2,917.82
3/4		3/4		3/4		3/4	4,472.10	3/4	4,265.96	3/4	4,047.37	3/4	3,828.10	3/4	3,608.83	3/4	3,267.08	3/4	2,910.39
2		2		2		2	4,469.44	2	4,261.41	2	4,042.80	2	3,823.53	2	3,604.26	2	3,259.66	2	2,902.96
1/4		1/4		1/4		1/4	4,466.77	1/4	4,256.87	1/4	4,038.23	1/4	3,818.96	1/4	3,599.69	1/4	3,252.23	1/4	2,895.52
1/2		1/2		1/2		1/2	4,464.11	1/2	4,252.32	1/2	4,033.66	1/2	3,814.39	1/2	3,595.12	1/2	3,244.81	1/2	2,888.09
3/4		3/4		3/4		3/4	4,461.44	3/4	4,247.77	3/4	4,029.09	3/4	3,809.82	3/4	3,590.56	3/4	3,237.38	3/4	2,880.65
3		3		3		3	4,457.71	3	4,243.22	3	4,024.53	3	3,805.26	3	3,583.82	3	3,229.95	3	2,873.22
1/4		1/4		1/4		1/4	4,453.98	1/4	4,238.66	1/4	4,019.96	1/4	3,800.69	1/4	3,577.09	1/4	3,222.52	1/4	2,865.79
1/2		1/2		1/2		1/2	4,450.25	1/2	4,234.11	1/2	4,015.39	1/2	3,796.12	1/2	3,570.36	1/2	3,215.09	1/2	2,858.35
3/4		3/4		3/4		3/4	4,446.52	3/4	4,229.56	3/4	4,010.82	3/4	3,791.55	3/4	3,563.63	3/4	3,207.66	3/4	2,850.92
4		4		4		4	4,442.13	4	4,225.00	4	4,006.25	4	3,786.98	4	3,556.20	4	3,200.22	4	2,843.49
1/4		1/4		1/4		1/4	4,437.73	1/4	4,220.45	1/4	4,001.68	1/4	3,782.42	1/4	3,548.77	1/4	3,192.79	1/4	2,836.05
1/2		1/2		1/2		1/2	4,433.34	1/2	4,215.90	1/2	3,997.12	1/2	3,777.85	1/2	3,541.34	1/2	3,185.36	1/2	2,828.62
3/4		3/4		3/4		3/4	4,428.94	3/4	4,211.34	3/4	3,992.55	3/4	3,773.28	3/4	3,533.91	3/4	3,177.93	3/4	2,821.18
5		5		5		5	4,424.41	5	4,206.79	5	3,987.98	5	3,768.71	5	3,526.49	5	3,170.50	5	2,813.75
1/4		1/4		1/4		1/4	4,419.88	1/4	4,202.23	1/4	3,983.41	1/4	3,764.14	1/4	3,519.07	1/4	3,163.07	1/4	2,806.32
1/2		1/2		1/2		1/2	4,415.36	1/2	4,197.68	1/2	3,978.84	1/2	3,759.58	1/2	3,511.65	1/2	3,155.64	1/2	2,798.88
3/4		3/4		3/4		3/4	4,410.83	3/4	4,193.13	3/4	3,974.28	3/4	3,755.01	3/4	3,504.23	3/4	3,148.21	3/4	2,791.45
6		6		6		6	4,406.30	6	4,188.57	6	3,969.71	6	3,750.44	6	3,496.81	6	3,140.77	6	2,784.01
1/4		1/4		1/4		1/4	4,401.77	1/4	4,184.02	1/4	3,965.14	1/4	3,745.87	1/4	3,489.40	1/4	3,133.34	1/4	2,776.58
1/2		1/2		1/2		1/2	4,397.24	1/2	4,179.47	1/2	3,960.57	1/2	3,741.30	1/2	3,481.99	1/2	3,125.91	1/2	2,769.15
3/4		3/4		3/4		3/4	4,392.71	3/4	4,174.91	3/4	3,956.00	3/4	3,736.73	3/4	3,474.57	3/4	3,118.48	3/4	2,761.71
7		7		7		7	4,388.18	7	4,170.36	7	3,951.44	7	3,732.17	7	3,467.16	7	3,111.05	7	2,754.28
1/4		1/4		1/4		1/4	4,383.65	1/4	4,165.81	1/4	3,946.87	1/4	3,727.60	1/4	3,459.75	1/4	3,103.62	1/4	2,746.85
1/2		1/2		1/2		1/2	4,379.12	1/2	4,161.25	1/2	3,942.30	1/2	3,723.03	1/2	3,452.34	1/2	3,096.19	1/2	2,739.41
3/4		3/4		3/4		3/4	4,374.59	3/4	4,156.70	3/4	3,937.73	3/4	3,718.46	3/4	3,444.93	3/4	3,088.76	3/4	2,731.98
8		8		8		8	4,370.07	8	4,152.15	8	3,933.16	8	3,713.89	8	3,437.52	8	3,081.33	8	2,724.54
1/4		1/4		1/4		1/4	4,365.54	1/4	4,147.59	1/4	3,928.60	1/4	3,709.33	1/4	3,430.11	1/4	3,073.89	1/4	2,717.11
1/2		1/2		1/2		1/2	4,361.01	1/2	4,143.04	1/2	3,924.03	1/2	3,704.76	1/2	3,422.70	1/2	3,066.46	1/2	2,709.68
3/4		3/4		3/4		3/4	4,356.49	3/4	4,138.48	3/4	3,919.46	3/4	3,700.19	3/4	3,415.29	3/4	3,059.03	3/4	2,702.24
9		9		9		9	4,351.96	9	4,133.93	9	3,914.89	9	3,695.62	9	3,407.88	9	3,051.60	9	2,694.81
1/4		1/4		1/4		1/4	4,347.43	1/4	4,129.38	1/4	3,910.32	1/4	3,691.05	1/4	3,400.47	1/4	3,044.17	1/4	2,687.38
1/2		1/2		1/2		1/2	4,342.91	1/2	4,124.82	1/2	3,905.75	1/2	3,686.49	1/2	3,393.06	1/2	3,036.74	1/2	2,679.94
3/4		3/4		3/4		3/4	4,338.38	3/4	4,120.27	3/4	3,901.19	3/4	3,681.92	3/4	3,385.65	3/4	3,029.31	3/4	2,672.51
10		10		10		10	4,333.85	10	4,115.72	10	3,896.62	10	3,677.35	10	3,378.24	10	3,021.88	10	2,665.07
1/4		1/4		1/4		1/4	4,329.33	1/4	4,111.16	1/4	3,892.05	1/4	3,672.78	1/4	3,370.83	1/4	3,014.44	1/4	2,657.64
1/2		1/2		1/2		1/2	4,324.80	1/2	4,106.61	1/2	3,887.48	1/2	3,668.21	1/2	3,363.42	1/2	3,007.01	1/2	2,650.21
3/4		3/4		3/4		3/4	4,320.28	3/4	4,102.06	3/4	3,882.91	3/4	3,663.65	3/4	3,356.01	3/4	2,999.58	3/4	2,642.77
11		11		11		11	4,315.75	11	4,097.50	11	3,878.35	11	3,659.08	11	3,348.60	11	2,992.15	11	2,635.34
1/4		1/4		1/4		1/4	4,311.22	1/4	4,092.95	1/4	3,873.78	1/4	3,654.51	1/4	3,341.19	1/4	2,984.72	1/4	2,627.90
1/2		1/2		1/2		1/2	4,306.70	1/2	4,088.39	1/2	3,869.21	1/2	3,649.94	1/2	3,333.78	1/2	2,977.29	1/2	2,620.47
3/4		3/4		3/4		3/4	4,302.17	3/4	4,083.84	3/4	3,864.64	3/4	3,645.37	3/4	3,326.36	3/4	2,969.86	3/4	2,613.04

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 WITH HERMETIC GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) 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 29169"

3 PORT ULLAGE TABLE "HERMETIC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30055"

GAUGE HEIGHT 17'-03 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	2,605.60	0	2,249.68	0	1,895.46	0	1,538.33	0	1,181.31	0	834.62	0	477.42	0	120.07	0		0	
1/4	2,598.16	1/4	2,242.30	1/4	1,888.03	1/4	1,530.89	1/4	1,174.03	1/4	827.23	1/4	469.97	1/4	112.62	1/4		1/4	
1/2	2,590.72	1/2	2,234.91	1/2	1,880.61	1/2	1,523.45	1/2	1,166.74	1/2	819.84	1/2	462.53	1/2	105.17	1/2		1/2	
3/4	2,583.28	3/4	2,227.53	3/4	1,873.18	3/4	1,516.01	3/4	1,159.46	3/4	812.46	3/4	455.08	3/4	97.71	3/4		3/4	
1	2,575.84	1	2,220.15	1	1,865.74	1	1,508.57	1	1,152.23	1	805.01	1	447.64	1	90.26	1		1	
1/4	2,568.40	1/4	2,212.77	1/4	1,858.30	1/4	1,501.12	1/4	1,145.00	1/4	797.57	1/4	440.19	1/4	82.80	1/4		1/4	
1/2	2,560.96	1/2	2,205.39	1/2	1,850.86	1/2	1,493.68	1/2	1,137.77	1/2	790.12	1/2	432.75	1/2	75.35	1/2		1/2	
3/4	2,553.52	3/4	2,198.01	3/4	1,843.42	3/4	1,486.24	3/4	1,130.54	3/4	782.68	3/4	425.31	3/4	67.89	3/4		3/4	
2	2,546.08	2	2,190.64	2	1,835.98	2	1,478.80	2	1,123.32	2	775.23	2	417.86	2	61.13	2		2	
1/4	2,538.63	1/4	2,183.26	1/4	1,828.54	1/4	1,471.36	1/4	1,116.09	1/4	767.78	1/4	410.42	1/4	54.38	1/4		1/4	
1/2	2,531.19	1/2	2,175.88	1/2	1,821.10	1/2	1,463.92	1/2	1,108.87	1/2	760.34	1/2	402.97	1/2	47.62	1/2		1/2	
3/4	2,523.75	3/4	2,168.50	3/4	1,813.66	3/4	1,456.48	3/4	1,101.65	3/4	752.89	3/4	395.53	3/4	40.86	3/4		3/4	
3	2,516.31	3	2,161.12	3	1,806.21	3	1,449.04	3	1,094.43	3	745.45	3	388.09	3	35.73	3		3	
1/4	2,508.87	1/4	2,153.74	1/4	1,798.77	1/4	1,441.60	1/4	1,087.21	1/4	738.00	1/4	380.64	1/4	30.61	1/4		1/4	
1/2	2,501.43	1/2	2,146.37	1/2	1,791.33	1/2	1,434.15	1/2	1,079.99	1/2	730.56	1/2	373.20	1/2	25.48	1/2		1/2	
3/4	2,493.99	3/4	2,138.99	3/4	1,783.89	3/4	1,426.71	3/4	1,072.77	3/4	723.11	3/4	365.75	3/4	20.35	3/4		3/4	
4	2,486.58	4	2,131.61	4	1,776.45	4	1,419.27	4	1,065.56	4	715.67	4	358.31	4		4		4	
1/4	2,479.16	1/4	2,124.23	1/4	1,769.01	1/4	1,411.83	1/4	1,058.35	1/4	708.22	1/4	350.87	1/4		1/4		1/4	
1/2	2,471.75	1/2	2,116.85	1/2	1,761.57	1/2	1,404.39	1/2	1,051.13	1/2	700.78	1/2	343.42	1/2		1/2		1/2	
3/4	2,464.34	3/4	2,109.47	3/4	1,754.13	3/4	1,396.95	3/4	1,043.92	3/4	693.33	3/4	335.98	3/4		3/4		3/4	
5	2,456.94	5	2,102.10	5	1,746.68	5	1,389.51	5	1,036.71	5	685.89	5	328.53	5		5		5	
1/4	2,449.53	1/4	2,094.72	1/4	1,739.24	1/4	1,382.07	1/4	1,029.50	1/4	678.44	1/4	321.09	1/4		1/4		1/4	
1/2	2,442.13	1/2	2,087.34	1/2	1,731.80	1/2	1,374.62	1/2	1,022.29	1/2	670.99	1/2	313.65	1/2		1/2		1/2	
3/4	2,434.73	3/4	2,079.96	3/4	1,724.36	3/4	1,367.18	3/4	1,015.07	3/4	663.55	3/4	306.20	3/4		3/4		3/4	
6	2,427.33	6	2,072.58	6	1,716.92	6	1,359.74	6	1,007.86	6	656.10	6	298.76	6		6		6	
1/4	2,419.92	1/4	2,065.21	1/4	1,709.48	1/4	1,352.30	1/4	1,000.65	1/4	648.66	1/4	291.31	1/4		1/4		1/4	
1/2	2,412.52	1/2	2,057.83	1/2	1,702.04	1/2	1,344.86	1/2	993.44	1/2	641.21	1/2	283.87	1/2		1/2		1/2	
3/4	2,405.12	3/4	2,050.45	3/4	1,694.60	3/4	1,337.42	3/4	986.23	3/4	633.77	3/4	276.43	3/4		3/4		3/4	
7	2,397.72	7	2,043.07	7	1,687.15	7	1,329.98	7	979.02	7	626.32	7	268.98	7		7		7	
1/4	2,390.31	1/4	2,035.69	1/4	1,679.71	1/4	1,322.54	1/4	971.81	1/4	618.88	1/4	261.54	1/4		1/4		1/4	
1/2	2,382.91	1/2	2,028.31	1/2	1,672.27	1/2	1,315.09	1/2	964.60	1/2	611.43	1/2	254.09	1/2		1/2		1/2	
3/4	2,375.51	3/4	2,020.94	3/4	1,664.83	3/4	1,307.65	3/4	957.38	3/4	603.99	3/4	246.65	3/4		3/4		3/4	
8	2,368.10	8	2,013.56	8	1,657.39	8	1,300.21	8	950.17	8	596.54	8	239.21	8		8		8	
1/4	2,360.70	1/4	2,006.18	1/4	1,649.95	1/4	1,292.77	1/4	942.96	1/4	589.10	1/4	231.76	1/4		1/4		1/4	
1/2	2,353.30	1/2	1,998.80	1/2	1,642.51	1/2	1,285.33	1/2	935.75	1/2	581.65	1/2	224.32	1/2		1/2		1/2	
3/4	2,345.90	3/4	1,991.42	3/4	1,635.07	3/4	1,277.89	3/4	928.54	3/4	574.20	3/4	216.87	3/4		3/4		3/4	
9	2,338.49	9	1,984.04	9	1,627.63	9	1,270.45	9	921.33	9	566.76	9	209.43	9		9		9	
1/4	2,331.09	1/4	1,976.67	1/4	1,620.18	1/4	1,263.01	1/4	914.12	1/4	559.31	1/4	201.98	1/4		1/4		1/4	
1/2	2,323.69	1/2	1,969.29	1/2	1,612.74	1/2	1,255.57	1/2	906.90	1/2	551.87	1/2	194.53	1/2		1/2		1/2	
3/4	2,316.29	3/4	1,961.91	3/4	1,605.30	3/4	1,248.12	3/4	899.69	3/4	544.42	3/4	187.09	3/4		3/4		3/4	
10	2,308.88	10	1,954.53	10	1,597.86	10	1,240.68	10	892.48	10	536.98	10	179.64	10		10		10	
1/4	2,301.48	1/4	1,947.15	1/4	1,590.42	1/4	1,233.24	1/4	885.27	1/4	529.53	1/4	172.20	1/4		1/4		1/4	
1/2	2,294.08	1/2	1,939.77	1/2	1,582.98	1/2	1,225.80	1/2	878.06	1/2	522.09	1/2	164.75	1/2		1/2		1/2	
3/4	2,286.67	3/4	1,932.40	3/4	1,575.54	3/4	1,218.36	3/4	870.85	3/4	514.64	3/4	157.30	3/4		3/4		3/4	
11	2,279.27	11	1,925.02	11	1,568.10	11	1,210.92	11	863.64	11	507.20	11	149.86	11		11		11	
1/4	2,271.87	1/4	1,917.64	1/4	1,560.65	1/4	1,203.48	1/4	856.42	1/4	499.75	1/4	142.41	1/4		1/4		1/4	
1/2	2,264.47	1/2	1,910.26	1/2	1,553.21	1/2	1,196.04	1/2	849.21	1/2	492.31	1/2	134.96	1/2		1/2		1/2	
3/4	2,257.06	3/4	1,902.88	3/4	1,545.77	3/4	1,188.59	3/4	842.00	3/4	484.86	3/4	127.52	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/11/2013 CL
VERIFIED: 11/20/2023 JS
NAME CHANGE: 12/06/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 29169"

3 STBD ULLAGE TABLE "HERMETIC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30055"

GAUGE HEIGHT 17'-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		0		0	4,321.54	0	4,103.35	0	3,884.29	0	3,665.16	0	3,345.90	0	2,988.79
1/4		1/4		1/4		1/4		1/4	4,317.01	1/4	4,098.80	1/4	3,879.72	1/4	3,660.59	1/4	3,338.48	1/4	2,981.34
1/2		1/2		1/2		1/2		1/2	4,312.49	1/2	4,094.25	1/2	3,875.16	1/2	3,656.03	1/2	3,331.06	1/2	2,973.90
3/4		3/4		3/4		3/4		3/4	4,307.97	3/4	4,089.70	3/4	3,870.59	3/4	3,651.46	3/4	3,323.63	3/4	2,966.45
1		1		1		1		1	4,303.44	1	4,085.15	1	3,866.03	1	3,646.90	1	3,316.21	1	2,959.00
1/4		1/4		1/4		1/4		1/4	4,496.91	1/4	4,298.92	1/4	4,080.58	1/4	3,861.46	1/4	3,642.33	1/4	3,308.79
1/2		1/2		1/2		1/2		1/2	4,495.06	1/2	4,294.40	1/2	4,076.02	1/2	3,856.90	1/2	3,637.77	1/2	3,301.36
3/4		3/4		3/4		3/4		3/4	4,493.21	3/4	4,289.87	3/4	4,071.46	3/4	3,852.33	3/4	3,633.20	3/4	3,293.94
2		2		2		2		2	4,491.37	2	4,285.35	2	4,066.90	2	3,847.77	2	3,628.64	2	3,286.52
1/4		1/4		1/4		1/4		1/4	4,488.70	1/4	4,280.81	1/4	4,062.33	1/4	3,843.20	1/4	3,624.07	1/4	3,279.08
1/2		1/2		1/2		1/2		1/2	4,486.04	1/2	4,276.26	1/2	4,057.77	1/2	3,838.64	1/2	3,619.51	1/2	3,271.64
3/4		3/4		3/4		3/4		3/4	4,483.38	3/4	4,271.72	3/4	4,053.20	3/4	3,834.07	3/4	3,614.94	3/4	3,264.20
3		3		3		3		3	4,480.72	3	4,267.17	3	4,048.64	3	3,829.51	3	3,610.38	3	3,256.76
1/4		1/4		1/4		1/4		1/4	4,476.99	1/4	4,262.62	1/4	4,044.07	1/4	3,824.94	1/4	3,603.65	1/4	3,249.32
1/2		1/2		1/2		1/2		1/2	4,473.26	1/2	4,258.07	1/2	4,039.51	1/2	3,820.38	1/2	3,596.92	1/2	3,241.88
3/4		3/4		3/4		3/4		3/4	4,469.53	3/4	4,253.52	3/4	4,034.94	3/4	3,815.81	3/4	3,590.19	3/4	3,234.43
4		4		4		4		4	4,465.80	4	4,248.97	4	4,030.37	4	3,811.25	4	3,583.47	4	3,226.99
1/4		1/4		1/4		1/4		1/4	4,461.41	1/4	4,244.42	1/4	4,025.81	1/4	3,806.68	1/4	3,576.04	1/4	3,219.54
1/2		1/2		1/2		1/2		1/2	4,457.01	1/2	4,239.87	1/2	4,021.24	1/2	3,802.11	1/2	3,568.61	1/2	3,212.10
3/4		3/4		3/4		3/4		3/4	4,452.62	3/4	4,235.32	3/4	4,016.68	3/4	3,797.55	3/4	3,561.18	3/4	3,204.66
5		5		5		5		5	4,448.23	5	4,230.77	5	4,012.11	5	3,792.98	5	3,553.75	5	3,197.21
1/4		1/4		1/4		1/4		1/4	4,443.70	1/4	4,226.22	1/4	4,007.55	1/4	3,788.42	1/4	3,546.33	1/4	3,189.77
1/2		1/2		1/2		1/2		1/2	4,439.17	1/2	4,221.67	1/2	4,002.98	1/2	3,783.85	1/2	3,538.90	1/2	3,182.33
3/4		3/4		3/4		3/4		3/4	4,434.65	3/4	4,217.12	3/4	3,998.42	3/4	3,779.29	3/4	3,531.48	3/4	3,174.88
6		6		6		6		6	4,430.12	6	4,212.56	6	3,993.85	6	3,774.72	6	3,524.06	6	3,167.44
1/4		1/4		1/4		1/4		1/4	4,425.60	1/4	4,208.01	1/4	3,989.29	1/4	3,770.16	1/4	3,516.63	1/4	3,159.99
1/2		1/2		1/2		1/2		1/2	4,421.07	1/2	4,203.46	1/2	3,984.72	1/2	3,765.59	1/2	3,509.21	1/2	3,152.55
3/4		3/4		3/4		3/4		3/4	4,416.54	3/4	4,198.91	3/4	3,980.16	3/4	3,761.03	3/4	3,501.79	3/4	3,145.11
7		7		7		7		7	4,412.02	7	4,194.36	7	3,975.59	7	3,756.46	7	3,494.37	7	3,137.66
1/4		1/4		1/4		1/4		1/4	4,407.49	1/4	4,189.81	1/4	3,971.03	1/4	3,751.90	1/4	3,486.94	1/4	3,130.22
1/2		1/2		1/2		1/2		1/2	4,402.97	1/2	4,185.26	1/2	3,966.46	1/2	3,747.33	1/2	3,479.52	1/2	3,122.78
3/4		3/4		3/4		3/4		3/4	4,398.44	3/4	4,180.71	3/4	3,961.90	3/4	3,742.77	3/4	3,472.10	3/4	3,115.33
8		8		8		8		8	4,393.91	8	4,176.16	8	3,957.33	8	3,738.20	8	3,464.67	8	3,107.89
1/4		1/4		1/4		1/4		1/4	4,389.39	1/4	4,171.61	1/4	3,952.77	1/4	3,733.64	1/4	3,457.25	1/4	3,100.44
1/2		1/2		1/2		1/2		1/2	4,384.87	1/2	4,167.06	1/2	3,948.20	1/2	3,729.07	1/2	3,449.83	1/2	3,093.00
3/4		3/4		3/4		3/4		3/4	4,380.34	3/4	4,162.51	3/4	3,943.64	3/4	3,724.51	3/4	3,442.40	3/4	3,085.56
9		9		9		9		9	4,375.82	9	4,157.96	9	3,939.07	9	3,719.94	9	3,434.98	9	3,078.11
1/4		1/4		1/4		1/4		1/4	4,371.29	1/4	4,153.41	1/4	3,934.51	1/4	3,715.38	1/4	3,427.56	1/4	3,070.67
1/2		1/2		1/2		1/2		1/2	4,366.77	1/2	4,148.86	1/2	3,929.94	1/2	3,710.81	1/2	3,420.13	1/2	3,063.22
3/4		3/4		3/4		3/4		3/4	4,362.25	3/4	4,144.30	3/4	3,925.38	3/4	3,706.25	3/4	3,412.71	3/4	3,055.78
10		10		10		10		10	4,357.72	10	4,139.75	10	3,920.81	10	3,701.68	10	3,405.29	10	3,048.34
1/4		1/4		1/4		1/4		1/4	4,353.20	1/4	4,135.20	1/4	3,916.24	1/4	3,697.12	1/4	3,397.87	1/4	3,040.89
1/2		1/2		1/2		1/2		1/2	4,348.68	1/2	4,130.65	1/2	3,911.68	1/2	3,692.55	1/2	3,390.44	1/2	3,033.45
3/4		3/4		3/4		3/4		3/4	4,344.15	3/4	4,126.10	3/4	3,907.11	3/4	3,687.98	3/4	3,383.02	3/4	3,026.01
11		11		11		11		11	4,339.63	11	4,121.55	11	3,902.55	11	3,683.42	11	3,375.60	11	3,018.56
1/4		1/4		1/4		1/4		1/4	4,335.11	1/4	4,117.00	1/4	3,897.98	1/4	3,678.85	1/4	3,368.17	1/4	3,011.12
1/2		1/2		1/2		1/2		1/2	4,330.58	1/2	4,112.45	1/2	3,893.42	1/2	3,674.29	1/2	3,360.75	1/2	3,003.67
3/4		3/4		3/4		3/4		3/4	4,326.06	3/4	4,107.90	3/4	3,888.85	3/4	3,669.72	3/4	3,353.33	3/4	2,996.23

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 WITH HERMETIC GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) 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 29169"

3 STBD ULLAGE TABLE "HERMETIC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30055"

GAUGE HEIGHT 17'-04"

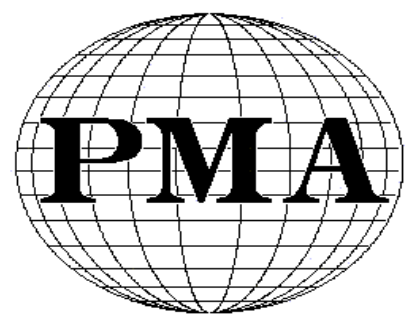
IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,631.36	0	2,273.58	0	1,915.81	0	1,558.03	0	1,200.25	0	843.01	0	485.26	0	127.49	0		0	
1/4	2,623.91	1/4	2,266.13	1/4	1,908.35	1/4	1,550.57	1/4	1,192.80	1/4	835.56	1/4	477.80	1/4	120.03	1/4		1/4	
1/2	2,616.45	1/2	2,258.68	1/2	1,900.90	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	
3/4	2,609.00	3/4	2,251.22	3/4	1,893.45	3/4	1,535.67	3/4	1,177.89	3/4	820.66	3/4	462.90	3/4	105.13	3/4		3/4	
1	2,601.55	1	2,243.77	1	1,885.99	1	1,528.21	1	1,170.44	1	813.21	1	455.44	1	97.67	1		1	
1/4	2,594.09	1/4	2,236.32	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	
1/2	2,586.64	1/2	2,228.86	1/2	1,871.08	1/2	1,513.31	1/2	1,155.53	1/2	798.30	1/2	440.54	1/2	82.77	1/2		1/2	
3/4	2,579.19	3/4	2,221.41	3/4	1,863.63	3/4	1,505.85	3/4	1,148.08	3/4	790.85	3/4	433.08	3/4	75.31	3/4		3/4	
2	2,571.73	2	2,213.95	2	1,856.18	2	1,498.40	2	1,140.62	2	783.40	2	425.63	2	67.86	2		2	
1/4	2,564.28	1/4	2,206.50	1/4	1,848.72	1/4	1,490.95	1/4	1,133.17	1/4	775.94	1/4	418.17	1/4	61.11	1/4		1/4	
1/2	2,556.82	1/2	2,199.05	1/2	1,841.27	1/2	1,483.49	1/2	1,125.73	1/2	768.49	1/2	410.72	1/2	54.35	1/2		1/2	
3/4	2,549.37	3/4	2,191.59	3/4	1,833.82	3/4	1,476.04	3/4	1,118.28	3/4	761.04	3/4	403.27	3/4	47.60	3/4		3/4	
3	2,541.92	3	2,184.14	3	1,826.36	3	1,468.58	3	1,110.83	3	753.58	3	395.81	3	40.84	3		3	
1/4	2,534.46	1/4	2,176.69	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	
1/2	2,527.01	1/2	2,169.23	1/2	1,811.45	1/2	1,453.68	1/2	1,095.94	1/2	738.68	1/2	380.91	1/2	30.59	1/2		1/2	
3/4	2,519.56	3/4	2,161.78	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	
4	2,512.10	4	2,154.32	4	1,796.55	4	1,438.77	4	1,081.05	4	723.77	4	366.00	4	20.34	4		4	
1/4	2,504.65	1/4	2,146.87	1/4	1,789.09	1/4	1,431.32	1/4	1,073.61	1/4	716.31	1/4	358.55	1/4		1/4		1/4	
1/2	2,497.19	1/2	2,139.42	1/2	1,781.64	1/2	1,423.86	1/2	1,066.17	1/2	708.86	1/2	351.09	1/2		1/2		1/2	
3/4	2,489.74	3/4	2,131.96	3/4	1,774.19	3/4	1,416.41	3/4	1,058.73	3/4	701.41	3/4	343.64	3/4		3/4		3/4	
5	2,482.29	5	2,124.51	5	1,766.73	5	1,408.95	5	1,051.28	5	693.95	5	336.19	5		5		5	
1/4	2,474.83	1/4	2,117.06	1/4	1,759.28	1/4	1,401.50	1/4	1,043.85	1/4	686.50	1/4	328.73	1/4		1/4		1/4	
1/2	2,467.38	1/2	2,109.60	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	
3/4	2,459.93	3/4	2,102.15	3/4	1,744.37	3/4	1,386.59	3/4	1,028.97	3/4	671.59	3/4	313.83	3/4		3/4		3/4	
6	2,452.47	6	2,094.69	6	1,736.92	6	1,379.14	6	1,021.53	6	664.14	6	306.37	6		6		6	
1/4	2,445.02	1/4	2,087.24	1/4	1,729.46	1/4	1,371.69	1/4	1,014.09	1/4	656.69	1/4	298.92	1/4		1/4		1/4	
1/2	2,437.57	1/2	2,079.79	1/2	1,722.01	1/2	1,364.23	1/2	1,006.65	1/2	649.23	1/2	291.47	1/2		1/2		1/2	
3/4	2,430.11	3/4	2,072.33	3/4	1,714.56	3/4	1,356.78	3/4	999.22	3/4	641.78	3/4	284.01	3/4		3/4		3/4	
7	2,422.66	7	2,064.88	7	1,707.10	7	1,349.32	7	991.78	7	634.33	7	276.56	7		7		7	
1/4	2,415.20	1/4	2,057.43	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	
1/2	2,407.75	1/2	2,049.97	1/2	1,692.20	1/2	1,334.42	1/2	976.90	1/2	619.42	1/2	261.65	1/2		1/2		1/2	
3/4	2,400.30	3/4	2,042.52	3/4	1,684.74	3/4	1,326.96	3/4	969.46	3/4	611.97	3/4	254.20	3/4		3/4		3/4	
8	2,392.84	8	2,035.07	8	1,677.29	8	1,319.51	8	962.02	8	604.51	8	246.74	8		8		8	
1/4	2,385.39	1/4	2,027.61	1/4	1,669.83	1/4	1,312.06	1/4	954.59	1/4	597.06	1/4	239.29	1/4		1/4		1/4	
1/2	2,377.94	1/2	2,020.16	1/2	1,662.38	1/2	1,304.60	1/2	947.15	1/2	589.61	1/2	231.84	1/2		1/2		1/2	
3/4	2,370.48	3/4	2,012.70	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	
9	2,363.03	9	2,005.25	9	1,647.47	9	1,289.70	9	932.27	9	574.70	9	216.93	9		9		9	
1/4	2,355.57	1/4	1,997.80	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	
1/2	2,348.12	1/2	1,990.34	1/2	1,632.57	1/2	1,274.79	1/2	917.39	1/2	559.79	1/2	202.02	1/2		1/2		1/2	
3/4	2,340.67	3/4	1,982.89	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	
10	2,333.21	10	1,975.44	10	1,617.66	10	1,259.88	10	902.52	10	544.88	10	187.12	10		10		10	
1/4	2,325.76	1/4	1,967.98	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	
1/2	2,318.31	1/2	1,960.53	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	
3/4	2,310.85	3/4	1,953.07	3/4	1,595.30	3/4	1,237.52	3/4	880.20	3/4	522.52	3/4	164.76	3/4		3/4		3/4	
11	2,303.40	11	1,945.62	11	1,587.84	11	1,230.07	11	872.76	11	515.07	11	157.30	11		11		11	
1/4	2,295.94	1/4	1,938.17	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	
1/2	2,288.49	1/2	1,930.71	1/2	1,572.94	1/2	1,215.16	1/2	857.89	1/2	500.16	1/2	142.40	1/2		1/2		1/2	
3/4	2,281.04	3/4	1,923.26	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	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/11/2013 CL
VERIFIED: 11/20/2023 JS
NAME CHANGE: 12/06/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2023

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



BARGE "KIRBY 29169"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "SMI 30055"

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

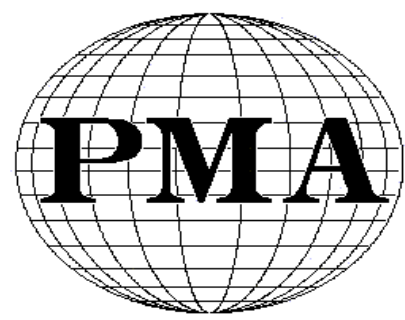
BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER STANDPIPE.

STRAPPED: 11/11/2013 CL
NAME CHANGE: 12/06/2023 JS
VERIFIED: 11/20/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 29169"

SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "SMI 30055"

GAUGE HEIGHT 5'-02 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	433	0	1,021	0	1,641	0	2,206	0		0		0		0		0	
1/4	5	1/4	444	1/4	1,034	1/4	1,653	1/4	2,216	1/4		1/4		1/4		1/4		1/4	
1/2	11	1/2	456	1/2	1,047	1/2	1,666	1/2	2,227	1/2		1/2		1/2		1/2		1/2	
3/4	16	3/4	467	3/4	1,060	3/4	1,678	3/4	2,237	3/4		3/4		3/4		3/4		3/4	
1	21	1	479	1	1,073	1	1,691	1	2,247	1		1		1		1		1	
1/4	28	1/4	490	1/4	1,086	1/4	1,703	1/4	2,257	1/4		1/4		1/4		1/4		1/4	
1/2	35	1/2	502	1/2	1,099	1/2	1,716	1/2	2,267	1/2		1/2		1/2		1/2		1/2	
3/4	41	3/4	513	3/4	1,111	3/4	1,729	3/4	2,277	3/4		3/4		3/4		3/4		3/4	
2	48	2	525	2	1,124	2	1,741	2	2,287	2		2		2		2		2	
1/4	56	1/4	537	1/4	1,137	1/4	1,753	1/4	2,297	1/4		1/4		1/4		1/4		1/4	
1/2	63	1/2	549	1/2	1,150	1/2	1,766	1/2	2,306	1/2		1/2		1/2		1/2		1/2	
3/4	71	3/4	560	3/4	1,163	3/4	1,778	3/4	2,316	3/4		3/4		3/4		3/4		3/4	
3	78	3	572	3	1,176	3	1,791	3	2,326	3		3		3		3		3	
1/4	86	1/4	584	1/4	1,189	1/4	1,803	1/4	2,335	1/4		1/4		1/4		1/4		1/4	
1/2	95	1/2	596	1/2	1,202	1/2	1,815	1/2	2,344	1/2		1/2		1/2		1/2		1/2	
3/4	103	3/4	608	3/4	1,215	3/4	1,827	3/4	2,353	3/4		3/4		3/4		3/4		3/4	
4	111	4	620	4	1,228	4	1,840	4	2,362	4		4		4		4		4	
1/4	120	1/4	632	1/4	1,241	1/4	1,852	1/4	2,371	1/4		1/4		1/4		1/4		1/4	
1/2	128	1/2	644	1/2	1,254	1/2	1,864	1/2	2,380	1/2		1/2		1/2		1/2		1/2	
3/4	137	3/4	656	3/4	1,267	3/4	1,876	3/4	2,389	3/4		3/4		3/4		3/4		3/4	
5	146	5	669	5	1,280	5	1,888	5	2,397	5		5		5		5		5	
1/4	155	1/4	681	1/4	1,293	1/4	1,900	1/4	2,406	1/4		1/4		1/4		1/4		1/4	
1/2	164	1/2	693	1/2	1,306	1/2	1,912	1/2	2,414	1/2		1/2		1/2		1/2		1/2	
3/4	173	3/4	705	3/4	1,319	3/4	1,924	3/4	2,422	3/4		3/4		3/4		3/4		3/4	
6	183	6	718	6	1,332	6	1,936	6	2,430	6		6		6		6		6	
1/4	192	1/4	730	1/4	1,345	1/4	1,948	1/4	2,438	1/4		1/4		1/4		1/4		1/4	
1/2	202	1/2	742	1/2	1,358	1/2	1,960	1/2	2,445	1/2		1/2		1/2		1/2		1/2	
3/4	211	3/4	755	3/4	1,371	3/4	1,971	3/4	2,453	3/4		3/4		3/4		3/4		3/4	
7	221	7	767	7	1,384	7	1,983	7	2,460	7		7		7		7		7	
1/4	231	1/4	780	1/4	1,397	1/4	1,995	1/4	2,467	1/4		1/4		1/4		1/4		1/4	
1/2	241	1/2	792	1/2	1,410	1/2	2,006	1/2	2,473	1/2		1/2		1/2		1/2		1/2	
3/4	251	3/4	805	3/4	1,423	3/4	2,018	3/4	2,480	3/4		3/4		3/4		3/4		3/4	
8	261	8	817	8	1,436	8	2,030	8	2,487	8		8		8		8		8	
1/4	271	1/4	830	1/4	1,449	1/4	2,041	1/4	2,492	1/4		1/4		1/4		1/4		1/4	
1/2	282	1/2	843	1/2	1,461	1/2	2,052	1/2	2,498	1/2		1/2		1/2		1/2		1/2	
3/4	292	3/4	855	3/4	1,474	3/4	2,064	3/4	2,503	3/4		3/4		3/4		3/4		3/4	
9	302	9	868	9	1,487	9	2,075	9	2,508	9		9		9		9		9	
1/4	313	1/4	880	1/4	1,500	1/4	2,086	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	324	1/2	893	1/2	1,513	1/2	2,098	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	334	3/4	906	3/4	1,526	3/4	2,109	3/4		3/4		3/4		3/4		3/4		3/4	
10	345	10	919	10	1,539	10	2,120	10		10		10		10		10		10	
1/4	356	1/4	931	1/4	1,551	1/4	2,131	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	367	1/2	944	1/2	1,564	1/2	2,142	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	378	3/4	957	3/4	1,577	3/4	2,153	3/4		3/4		3/4		3/4		3/4		3/4	
11	388	11	970	11	1,590	11	2,163	11		11		11		11		11		11	
1/4	400	1/4	983	1/4	1,602	1/4	2,174	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	411	1/2	995	1/2	1,615	1/2	2,185	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	422	3/4	1,008	3/4	1,628	3/4	2,195	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT MANWAY.

STRAPPED: 11/11/2013 CL
NAME CHANGE: 12/06/2023 JS
VERIFIED: 11/20/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2023

PRECISION MEASUREMENT
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