



BARGE "KIRBY 29153"

ULLAGE TRIM TABLE

FORMERLY "SMI 30059"

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
1 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
2 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8
2 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8
3 PORT	00-0/8	- 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 00-0/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED ULLAGE IS 4'-00 0/8"

LENGTH BETWEEN DRAFT MARKS: 235'-09"

April 22, 2024

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 29153"

1 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30059"

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	4,708.78	0	4,352.12	0	3,994.19	0	3,636.17	0	3,278.14	0	2,920.12
1/4		1/4		1/4		1/4		1/4	4,701.38	1/4	4,344.68	1/4	3,986.73	1/4	3,628.71	1/4	3,270.69	1/4	2,912.66
1/2		1/2		1/2		1/2		1/2	4,693.98	1/2	4,337.24	1/2	3,979.27	1/2	3,621.25	1/2	3,263.23	1/2	2,905.20
3/4		3/4		3/4		3/4		3/4	4,686.59	3/4	4,329.81	3/4	3,971.81	3/4	3,613.79	3/4	3,255.77	3/4	2,897.74
1		1		1		1	5,014.38	1	4,679.19	1	4,322.35	1	3,964.35	1	3,606.33	1	3,248.31	1	2,890.28
1/4		1/4		1/4		1/4		1/4	5,009.91	1/4	4,671.79	1/4	4,314.90	1/4	3,956.90	1/4	3,598.87	1/4	3,240.85
1/2		1/2		1/2		1/2		1/2	5,005.44	1/2	4,664.39	1/2	4,307.45	1/2	3,949.44	1/2	3,591.41	1/2	3,233.39
3/4		3/4		3/4		3/4		3/4	5,000.97	3/4	4,657.00	3/4	4,300.00	3/4	3,941.98	3/4	3,583.96	3/4	3,225.93
2		2		2		2	4,995.44	2	4,649.57	2	4,292.54	2	3,934.52	2	3,576.50	2	3,218.47	2	2,860.43
1/4		1/4		1/4		1/4		1/4	4,989.90	1/4	4,642.14	1/4	4,285.08	1/4	3,927.06	1/4	3,569.04	1/4	3,211.02
1/2		1/2		1/2		1/2		1/2	4,984.36	1/2	4,634.72	1/2	4,277.62	1/2	3,919.60	1/2	3,561.58	1/2	3,203.56
3/4		3/4		3/4		3/4		3/4	4,978.83	3/4	4,627.29	3/4	4,270.16	3/4	3,912.14	3/4	3,554.12	3/4	3,196.10
3		3		3		3	4,972.23	3	4,619.85	3	4,262.71	3	3,904.68	3	3,546.66	3	3,188.64	3	2,830.57
1/4		1/4		1/4		1/4		1/4	4,965.63	1/4	4,612.42	1/4	4,255.25	1/4	3,897.22	1/4	3,539.20	1/4	3,181.18
1/2		1/2		1/2		1/2		1/2	4,959.03	1/2	4,604.98	1/2	4,247.79	1/2	3,889.77	1/2	3,531.74	1/2	3,173.72
3/4		3/4		3/4		3/4		3/4	4,952.42	3/4	4,597.54	3/4	4,240.33	3/4	3,882.31	3/4	3,524.28	3/4	3,166.26
4		4		4		4	4,945.16	4	4,590.10	4	4,232.87	4	3,874.85	4	3,516.83	4	3,158.80	4	2,800.72
1/4		1/4		1/4		1/4		1/4	4,937.89	1/4	4,582.67	1/4	4,225.41	1/4	3,867.39	1/4	3,509.37	1/4	3,151.34
1/2		1/2		1/2		1/2		1/2	4,930.62	1/2	4,575.23	1/2	4,217.95	1/2	3,859.93	1/2	3,501.91	1/2	3,143.89
3/4		3/4		3/4		3/4		3/4	4,923.35	3/4	4,567.79	3/4	4,210.49	3/4	3,852.47	3/4	3,494.45	3/4	3,136.43
5		5		5		5	4,915.95	5	4,560.36	5	4,203.04	5	3,845.01	5	3,486.99	5	3,128.97	5	2,770.87
1/4		1/4		1/4		1/4		1/4	4,908.55	1/4	4,552.92	1/4	4,195.58	1/4	3,837.55	1/4	3,479.53	1/4	3,121.51
1/2		1/2		1/2		1/2		1/2	4,901.15	1/2	4,545.48	1/2	4,188.12	1/2	3,830.10	1/2	3,472.07	1/2	3,114.05
3/4		3/4		3/4		3/4		3/4	4,893.75	3/4	4,538.04	3/4	4,180.66	3/4	3,822.64	3/4	3,464.61	3/4	3,106.59
6		6		6		6	4,886.35	6	4,530.61	6	4,173.20	6	3,815.18	6	3,457.16	6	3,099.13	6	2,741.02
1/4		1/4		1/4		1/4		1/4	4,878.95	1/4	4,523.17	1/4	4,165.74	1/4	3,807.72	1/4	3,449.70	1/4	3,091.67
1/2		1/2		1/2		1/2		1/2	4,871.54	1/2	4,515.73	1/2	4,158.28	1/2	3,800.26	1/2	3,442.24	1/2	3,084.22
3/4		3/4		3/4		3/4		3/4	4,864.14	3/4	4,508.30	3/4	4,150.82	3/4	3,792.80	3/4	3,434.78	3/4	3,076.76
7		7		7		7	4,856.74	7	4,500.86	7	4,143.37	7	3,785.34	7	3,427.32	7	3,069.30	7	2,711.17
1/4		1/4		1/4		1/4		1/4	4,849.34	1/4	4,493.42	1/4	4,135.91	1/4	3,777.88	1/4	3,419.86	1/4	3,061.84
1/2		1/2		1/2		1/2		1/2	4,841.94	1/2	4,485.98	1/2	4,128.45	1/2	3,770.43	1/2	3,412.40	1/2	3,054.38
3/4		3/4		3/4		3/4		3/4	4,834.54	3/4	4,478.55	3/4	4,120.99	3/4	3,762.97	3/4	3,404.94	3/4	3,046.92
8		8		8		8	4,827.14	8	4,471.11	8	4,113.53	8	3,755.51	8	3,397.49	8	3,039.46	8	2,681.32
1/4		1/4		1/4		1/4		1/4	4,819.74	1/4	4,463.67	1/4	4,106.07	1/4	3,748.05	1/4	3,390.03	1/4	3,032.00
1/2		1/2		1/2		1/2		1/2	4,812.34	1/2	4,456.24	1/2	4,098.61	1/2	3,740.59	1/2	3,382.57	1/2	3,024.55
3/4		3/4		3/4		3/4		3/4	4,804.94	3/4	4,448.80	3/4	4,091.15	3/4	3,733.13	3/4	3,375.11	3/4	3,017.09
9		9		9		9	4,797.54	9	4,441.36	9	4,083.69	9	3,725.67	9	3,367.65	9	3,009.63	9	2,651.47
1/4		1/4		1/4		1/4		1/4	4,790.15	1/4	4,433.92	1/4	4,076.24	1/4	3,718.21	1/4	3,360.19	1/4	3,002.17
1/2		1/2		1/2		1/2		1/2	4,782.75	1/2	4,426.49	1/2	4,068.78	1/2	3,710.75	1/2	3,352.73	1/2	2,994.71
3/4		3/4		3/4		3/4		3/4	4,775.35	3/4	4,419.05	3/4	4,061.32	3/4	3,703.30	3/4	3,345.27	3/4	2,987.25
10		10		10		10	4,767.96	10	4,411.61	10	4,053.86	10	3,695.84	10	3,337.81	10	2,979.79	10	2,621.62
1/4		1/4		1/4		1/4		1/4	4,760.56	1/4	4,404.18	1/4	4,046.40	1/4	3,688.38	1/4	3,330.36	1/4	2,972.33
1/2		1/2		1/2		1/2		1/2	4,753.16	1/2	4,396.74	1/2	4,038.94	1/2	3,680.92	1/2	3,322.90	1/2	2,964.87
3/4		3/4		3/4		3/4		3/4	4,745.76	3/4	4,389.30	3/4	4,031.48	3/4	3,673.46	3/4	3,315.44	3/4	2,957.42
11		11		11		11	4,738.37	11	4,381.86	11	4,024.02	11	3,666.00	11	3,307.98	11	2,949.96	11	2,591.76
1/4		1/4		1/4		1/4		1/4	4,730.97	1/4	4,374.43	1/4	4,016.57	1/4	3,658.54	1/4	3,300.52	1/4	2,942.50
1/2		1/2		1/2		1/2		1/2	4,723.57	1/2	4,366.99	1/2	4,009.11	1/2	3,651.08	1/2	3,293.06	1/2	2,935.04
3/4		3/4		3/4		3/4		3/4	4,716.17	3/4	4,359.55	3/4	4,001.65	3/4	3,643.63	3/4	3,285.60	3/4	2,927.58

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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" CLOSED GAUGING DEVICE.
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

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BARGE "KIRBY 29153"

1 PORT ULLAGE TABLE HERMETIC

GAUGE HEIGHT 17'-03 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30059"

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	2,561.91	0	2,203.70	0	1,845.48	0	1,487.27	0	1,129.08	0	773.02	0	416.50	0	96.31	0		0	
1/4	2,554.45	1/4	2,196.24	1/4	1,838.02	1/4	1,479.81	1/4	1,121.64	1/4	765.57	1/4	409.33	1/4	90.19	1/4		1/4	
1/2	2,546.99	1/2	2,188.77	1/2	1,830.56	1/2	1,472.34	1/2	1,114.20	1/2	758.12	1/2	402.15	1/2	84.07	1/2		1/2	
3/4	2,539.52	3/4	2,181.31	3/4	1,823.10	3/4	1,464.88	3/4	1,106.76	3/4	750.67	3/4	394.97	3/4	77.95	3/4		3/4	
1	2,532.06	1	2,173.85	1	1,815.63	1	1,457.42	1	1,099.32	1	743.20	1	387.88	1	71.91	1		1	
1/4	2,524.60	1/4	2,166.38	1/4	1,808.17	1/4	1,449.96	1/4	1,091.89	1/4	735.74	1/4	380.80	1/4	65.88	1/4		1/4	
1/2	2,517.14	1/2	2,158.92	1/2	1,800.71	1/2	1,442.49	1/2	1,084.46	1/2	728.28	1/2	373.71	1/2	59.85	1/2		1/2	
3/4	2,509.67	3/4	2,151.46	3/4	1,793.24	3/4	1,435.03	3/4	1,077.02	3/4	720.82	3/4	366.62	3/4	53.82	3/4		3/4	
2	2,502.21	2	2,144.00	2	1,785.78	2	1,427.57	2	1,069.60	2	713.35	2	359.62	2	48.57	2		2	
1/4	2,494.75	1/4	2,136.53	1/4	1,778.32	1/4	1,420.10	1/4	1,062.18	1/4	705.89	1/4	352.62	1/4	43.32	1/4		1/4	
1/2	2,487.29	1/2	2,129.07	1/2	1,770.86	1/2	1,412.64	1/2	1,054.76	1/2	698.43	1/2	345.62	1/2	38.08	1/2		1/2	
3/4	2,479.82	3/4	2,121.61	3/4	1,763.39	3/4	1,405.18	3/4	1,047.33	3/4	690.97	3/4	338.62	3/4	32.83	3/4		3/4	
3	2,472.36	3	2,114.15	3	1,755.93	3	1,397.72	3	1,039.91	3	683.50	3	331.70	3	29.31	3		3	
1/4	2,464.90	1/4	2,106.68	1/4	1,748.47	1/4	1,390.25	1/4	1,032.49	1/4	676.04	1/4	324.79	1/4	25.79	1/4		1/4	
1/2	2,457.43	1/2	2,099.22	1/2	1,741.01	1/2	1,382.79	1/2	1,025.07	1/2	668.58	1/2	317.88	1/2	22.26	1/2		1/2	
3/4	2,449.97	3/4	2,091.76	3/4	1,733.54	3/4	1,375.33	3/4	1,017.66	3/4	661.12	3/4	310.97	3/4	18.74	3/4		3/4	
4	2,442.51	4	2,084.29	4	1,726.08	4	1,367.87	4	1,010.24	4	653.65	4	304.14	4		4		4	
1/4	2,435.05	1/4	2,076.83	1/4	1,718.62	1/4	1,360.40	1/4	1,002.83	1/4	646.19	1/4	297.32	1/4		1/4		1/4	
1/2	2,427.58	1/2	2,069.37	1/2	1,711.15	1/2	1,352.94	1/2	995.41	1/2	638.73	1/2	290.49	1/2		1/2		1/2	
3/4	2,420.12	3/4	2,061.91	3/4	1,703.69	3/4	1,345.48	3/4	988.00	3/4	631.27	3/4	283.67	3/4		3/4		3/4	
5	2,412.66	5	2,054.44	5	1,696.23	5	1,338.01	5	980.59	5	623.80	5	276.93	5		5		5	
1/4	2,405.19	1/4	2,046.98	1/4	1,688.77	1/4	1,330.55	1/4	973.18	1/4	616.34	1/4	270.19	1/4		1/4		1/4	
1/2	2,397.73	1/2	2,039.52	1/2	1,681.30	1/2	1,323.09	1/2	965.77	1/2	608.88	1/2	263.46	1/2		1/2		1/2	
3/4	2,390.27	3/4	2,032.05	3/4	1,673.84	3/4	1,315.63	3/4	958.35	3/4	601.42	3/4	256.72	3/4		3/4		3/4	
6	2,382.81	6	2,024.59	6	1,666.38	6	1,308.16	6	950.94	6	593.95	6	250.07	6		6		6	
1/4	2,375.34	1/4	2,017.13	1/4	1,658.91	1/4	1,300.70	1/4	943.53	1/4	586.49	1/4	243.42	1/4		1/4		1/4	
1/2	2,367.88	1/2	2,009.67	1/2	1,651.45	1/2	1,293.24	1/2	936.12	1/2	579.03	1/2	236.77	1/2		1/2		1/2	
3/4	2,360.42	3/4	2,002.20	3/4	1,643.99	3/4	1,285.77	3/4	928.71	3/4	571.57	3/4	230.13	3/4		3/4		3/4	
7	2,352.95	7	1,994.74	7	1,636.53	7	1,278.31	7	921.29	7	564.10	7	223.56	7		7		7	
1/4	2,345.49	1/4	1,987.28	1/4	1,629.06	1/4	1,270.85	1/4	913.88	1/4	556.64	1/4	217.00	1/4		1/4		1/4	
1/2	2,338.03	1/2	1,979.81	1/2	1,621.60	1/2	1,263.39	1/2	906.47	1/2	549.18	1/2	210.44	1/2		1/2		1/2	
3/4	2,330.57	3/4	1,972.35	3/4	1,614.14	3/4	1,255.92	3/4	899.06	3/4	541.72	3/4	203.88	3/4		3/4		3/4	
8	2,323.10	8	1,964.89	8	1,606.67	8	1,248.46	8	891.65	8	534.25	8	197.41	8		8		8	
1/4	2,315.64	1/4	1,957.43	1/4	1,599.21	1/4	1,241.00	1/4	884.23	1/4	526.79	1/4	190.94	1/4		1/4		1/4	
1/2	2,308.18	1/2	1,949.96	1/2	1,591.75	1/2	1,233.53	1/2	876.82	1/2	519.33	1/2	184.46	1/2		1/2		1/2	
3/4	2,300.72	3/4	1,942.50	3/4	1,584.29	3/4	1,226.07	3/4	869.41	3/4	511.87	3/4	177.99	3/4		3/4		3/4	
9	2,293.25	9	1,935.04	9	1,576.82	9	1,218.61	9	862.00	9	504.44	9	171.61	9		9		9	
1/4	2,285.79	1/4	1,927.58	1/4	1,569.36	1/4	1,211.15	1/4	854.59	1/4	497.01	1/4	165.22	1/4		1/4		1/4	
1/2	2,278.33	1/2	1,920.11	1/2	1,561.90	1/2	1,203.68	1/2	847.17	1/2	489.58	1/2	158.84	1/2		1/2		1/2	
3/4	2,270.86	3/4	1,912.65	3/4	1,554.44	3/4	1,196.22	3/4	839.76	3/4	482.15	3/4	152.45	3/4		3/4		3/4	
10	2,263.40	10	1,905.19	10	1,546.97	10	1,188.76	10	832.35	10	474.80	10	146.16	10		10		10	
1/4	2,255.94	1/4	1,897.72	1/4	1,539.51	1/4	1,181.30	1/4	824.94	1/4	467.44	1/4	139.86	1/4		1/4		1/4	
1/2	2,248.48	1/2	1,890.26	1/2	1,532.05	1/2	1,173.83	1/2	817.53	1/2	460.09	1/2	133.56	1/2		1/2		1/2	
3/4	2,241.01	3/4	1,882.80	3/4	1,524.58	3/4	1,166.37	3/4	810.12	3/4	452.74	3/4	127.27	3/4		3/4		3/4	
11	2,233.55	11	1,875.34	11	1,517.12	11	1,158.91	11	802.70	11	445.47	11	121.06	11		11		11	
1/4	2,226.09	1/4	1,867.87	1/4	1,509.66	1/4	1,151.44	1/4	795.29	1/4	438.21	1/4	114.85	1/4		1/4		1/4	
1/2	2,218.62	1/2	1,860.41	1/2	1,502.20	1/2	1,143.98	1/2	787.88	1/2	430.94	1/2	108.64	1/2		1/2		1/2	
3/4	2,211.16	3/4	1,852.95	3/4	1,494.73	3/4	1,136.52	3/4	780.47	3/4	423.68	3/4	102.43	3/4		3/4		3/4	

STRAPPED: 03/27/2014 PMA
RECALCULATED: 07/15/2021 PMA
VERIFIED: 04/22/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2024

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 29153"

1 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30059"

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	4,710.36	0	4,353.71	0	3,995.79	0	3,637.77	0	3,279.75	0	2,921.74
1/4		1/4		1/4		1/4		1/4	4,702.97	1/4	4,346.27	1/4	3,988.33	1/4	3,630.31	1/4	3,272.30	1/4	2,914.28
1/2		1/2		1/2		1/2		1/2	4,695.57	1/2	4,338.83	1/2	3,980.87	1/2	3,622.85	1/2	3,264.84	1/2	2,906.82
3/4		3/4		3/4		3/4		3/4	4,688.17	3/4	4,331.40	3/4	3,973.41	3/4	3,615.40	3/4	3,257.38	3/4	2,899.36
1		1		1		1	5,015.96	1	4,680.77	1	4,323.95	1	3,965.96	1	3,607.94	1	3,249.92	1	2,891.90
1/4		1/4		1/4		1/4	5,011.49	1/4	4,673.38	1/4	4,316.50	1/4	3,958.50	1/4	3,600.48	1/4	3,242.46	1/4	2,884.44
1/2		1/2		1/2		1/2	5,007.02	1/2	4,665.98	1/2	4,309.05	1/2	3,951.04	1/2	3,593.02	1/2	3,235.00	1/2	2,876.97
3/4		3/4		3/4		3/4	5,002.55	3/4	4,658.58	3/4	4,301.60	3/4	3,943.58	3/4	3,585.56	3/4	3,227.54	3/4	2,869.51
2		2		2		2	4,997.02	2	4,651.16	2	4,294.14	2	3,936.12	2	3,578.10	2	3,220.09	2	2,862.05
1/4		1/4		1/4		1/4	4,991.48	1/4	4,643.73	1/4	4,286.68	1/4	3,928.66	1/4	3,570.64	1/4	3,212.63	1/4	2,854.59
1/2		1/2		1/2		1/2	4,985.95	1/2	4,636.30	1/2	4,279.22	1/2	3,921.20	1/2	3,563.19	1/2	3,205.17	1/2	2,847.12
3/4		3/4		3/4		3/4	4,980.41	3/4	4,628.88	3/4	4,271.76	3/4	3,913.74	3/4	3,555.73	3/4	3,197.71	3/4	2,839.66
3		3		3		3	4,973.81	3	4,621.44	3	4,264.30	3	3,906.29	3	3,548.27	3	3,190.25	3	2,832.20
1/4		1/4		1/4		1/4	4,967.21	1/4	4,614.00	1/4	4,256.84	1/4	3,898.83	1/4	3,540.81	1/4	3,182.79	1/4	2,824.73
1/2		1/2		1/2		1/2	4,960.61	1/2	4,606.57	1/2	4,249.39	1/2	3,891.37	1/2	3,533.35	1/2	3,175.33	1/2	2,817.27
3/4		3/4		3/4		3/4	4,954.01	3/4	4,599.13	3/4	4,241.93	3/4	3,883.91	3/4	3,525.89	3/4	3,167.87	3/4	2,809.81
4		4		4		4	4,946.74	4	4,591.69	4	4,234.47	4	3,876.45	4	3,518.43	4	3,160.42	4	2,802.35
1/4		1/4		1/4		1/4	4,939.47	1/4	4,584.26	1/4	4,227.01	1/4	3,868.99	1/4	3,510.97	1/4	3,152.96	1/4	2,794.88
1/2		1/2		1/2		1/2	4,932.20	1/2	4,576.82	1/2	4,219.55	1/2	3,861.53	1/2	3,503.52	1/2	3,145.50	1/2	2,787.42
3/4		3/4		3/4		3/4	4,924.94	3/4	4,569.38	3/4	4,212.09	3/4	3,854.07	3/4	3,496.06	3/4	3,138.04	3/4	2,779.96
5		5		5		5	4,917.53	5	4,561.94	5	4,204.63	5	3,846.62	5	3,488.60	5	3,130.58	5	2,772.50
1/4		1/4		1/4		1/4	4,910.13	1/4	4,554.51	1/4	4,197.17	1/4	3,839.16	1/4	3,481.14	1/4	3,123.12	1/4	2,765.03
1/2		1/2		1/2		1/2	4,902.73	1/2	4,547.07	1/2	4,189.72	1/2	3,831.70	1/2	3,473.68	1/2	3,115.66	1/2	2,757.57
3/4		3/4		3/4		3/4	4,895.33	3/4	4,539.63	3/4	4,182.26	3/4	3,824.24	3/4	3,466.22	3/4	3,108.20	3/4	2,750.11
6		6		6		6	4,887.93	6	4,532.20	6	4,174.80	6	3,816.78	6	3,458.76	6	3,100.75	6	2,742.64
1/4		1/4		1/4		1/4	4,880.53	1/4	4,524.76	1/4	4,167.34	1/4	3,809.32	1/4	3,451.30	1/4	3,093.29	1/4	2,735.18
1/2		1/2		1/2		1/2	4,873.13	1/2	4,517.32	1/2	4,159.88	1/2	3,801.86	1/2	3,443.85	1/2	3,085.83	1/2	2,727.72
3/4		3/4		3/4		3/4	4,865.73	3/4	4,509.89	3/4	4,152.42	3/4	3,794.41	3/4	3,436.39	3/4	3,078.37	3/4	2,720.26
7		7		7		7	4,858.32	7	4,502.45	7	4,144.96	7	3,786.95	7	3,428.93	7	3,070.91	7	2,712.79
1/4		1/4		1/4		1/4	4,850.92	1/4	4,495.01	1/4	4,137.51	1/4	3,779.49	1/4	3,421.47	1/4	3,063.45	1/4	2,705.33
1/2		1/2		1/2		1/2	4,843.52	1/2	4,487.57	1/2	4,130.05	1/2	3,772.03	1/2	3,414.01	1/2	3,055.99	1/2	2,697.87
3/4		3/4		3/4		3/4	4,836.12	3/4	4,480.14	3/4	4,122.59	3/4	3,764.57	3/4	3,406.55	3/4	3,048.54	3/4	2,690.41
8		8		8		8	4,828.72	8	4,472.70	8	4,115.13	8	3,757.11	8	3,399.09	8	3,041.08	8	2,682.94
1/4		1/4		1/4		1/4	4,821.32	1/4	4,465.26	1/4	4,107.67	1/4	3,749.65	1/4	3,391.64	1/4	3,033.62	1/4	2,675.48
1/2		1/2		1/2		1/2	4,813.93	1/2	4,457.83	1/2	4,100.21	1/2	3,742.19	1/2	3,384.18	1/2	3,026.16	1/2	2,668.02
3/4		3/4		3/4		3/4	4,806.53	3/4	4,450.39	3/4	4,092.75	3/4	3,734.74	3/4	3,376.72	3/4	3,018.70	3/4	2,660.56
9		9		9		9	4,799.13	9	4,442.95	9	4,085.29	9	3,727.28	9	3,369.26	9	3,011.24	9	2,653.09
1/4		1/4		1/4		1/4	4,791.73	1/4	4,435.52	1/4	4,077.84	1/4	3,719.82	1/4	3,361.80	1/4	3,003.78	1/4	2,645.63
1/2		1/2		1/2		1/2	4,784.34	1/2	4,428.08	1/2	4,070.38	1/2	3,712.36	1/2	3,354.34	1/2	2,996.32	1/2	2,638.17
3/4		3/4		3/4		3/4	4,776.94	3/4	4,420.64	3/4	4,062.92	3/4	3,704.90	3/4	3,346.88	3/4	2,988.87	3/4	2,630.70
10		10		10		10	4,769.54	10	4,413.20	10	4,055.46	10	3,697.44	10	3,339.42	10	2,981.41	10	2,623.24
1/4		1/4		1/4		1/4	4,762.14	1/4	4,405.77	1/4	4,048.00	1/4	3,689.98	1/4	3,331.97	1/4	2,973.95	1/4	2,615.78
1/2		1/2		1/2		1/2	4,754.75	1/2	4,398.33	1/2	4,040.54	1/2	3,682.52	1/2	3,324.51	1/2	2,966.49	1/2	2,608.32
3/4		3/4		3/4		3/4	4,747.35	3/4	4,390.89	3/4	4,033.08	3/4	3,675.07	3/4	3,317.05	3/4	2,959.03	3/4	2,600.85
11		11		11		11	4,739.95	11	4,383.46	11	4,025.62	11	3,667.61	11	3,309.59	11	2,951.57	11	2,593.39
1/4		1/4		1/4		1/4	4,732.55	1/4	4,376.02	1/4	4,018.17	1/4	3,660.15	1/4	3,302.13	1/4	2,944.11	1/4	2,585.93
1/2		1/2		1/2		1/2	4,725.16	1/2	4,368.58	1/2	4,010.71	1/2	3,652.69	1/2	3,294.67	1/2	2,936.65	1/2	2,578.47
3/4		3/4		3/4		3/4	4,717.76	3/4	4,361.15	3/4	4,003.25	3/4	3,645.23	3/4	3,287.21	3/4	2,929.20	3/4	2,571.00

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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" CLOSED 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 29153"

1 STBD

ULLAGE TABLE HERMETIC

GAUGE HEIGHT 17'-03 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30059"

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	2,563.54	0	2,205.33	0	1,847.12	0	1,488.91	0	1,130.70	0	772.98	0	416.50	0	96.31	0		0	
1/4	2,556.08	1/4	2,197.87	1/4	1,839.66	1/4	1,481.45	1/4	1,123.24	1/4	765.52	1/4	409.33	1/4	90.19	1/4		1/4	
1/2	2,548.61	1/2	2,190.40	1/2	1,832.20	1/2	1,473.99	1/2	1,115.78	1/2	758.06	1/2	402.15	1/2	84.07	1/2		1/2	
3/4	2,541.15	3/4	2,182.94	3/4	1,824.73	3/4	1,466.52	3/4	1,108.31	3/4	750.60	3/4	394.97	3/4	77.95	3/4		3/4	
1	2,533.69	1	2,175.48	1	1,817.27	1	1,459.06	1	1,100.85	1	743.14	1	387.88	1	71.91	1		1	
1/4	2,526.23	1/4	2,168.02	1/4	1,809.81	1/4	1,451.60	1/4	1,093.39	1/4	735.68	1/4	380.79	1/4	65.88	1/4		1/4	
1/2	2,518.76	1/2	2,160.55	1/2	1,802.34	1/2	1,444.13	1/2	1,085.93	1/2	728.21	1/2	373.71	1/2	59.85	1/2		1/2	
3/4	2,511.30	3/4	2,153.09	3/4	1,794.88	3/4	1,436.67	3/4	1,078.46	3/4	720.75	3/4	366.62	3/4	53.81	3/4		3/4	
2	2,503.84	2	2,145.63	2	1,787.42	2	1,429.21	2	1,071.00	2	713.29	2	359.62	2	48.57	2		2	
1/4	2,496.38	1/4	2,138.17	1/4	1,779.96	1/4	1,421.75	1/4	1,063.55	1/4	705.83	1/4	352.62	1/4	43.32	1/4		1/4	
1/2	2,488.91	1/2	2,130.70	1/2	1,772.49	1/2	1,414.28	1/2	1,056.09	1/2	698.37	1/2	345.62	1/2	38.08	1/2		1/2	
3/4	2,481.45	3/4	2,123.24	3/4	1,765.03	3/4	1,406.82	3/4	1,048.63	3/4	690.90	3/4	338.62	3/4	32.83	3/4		3/4	
3	2,473.99	3	2,115.78	3	1,757.57	3	1,399.36	3	1,041.18	3	683.44	3	331.70	3	29.31	3		3	
1/4	2,466.52	1/4	2,108.32	1/4	1,750.11	1/4	1,391.90	1/4	1,033.72	1/4	675.98	1/4	324.79	1/4	25.78	1/4		1/4	
1/2	2,459.06	1/2	2,100.85	1/2	1,742.64	1/2	1,384.43	1/2	1,026.26	1/2	668.52	1/2	317.88	1/2	22.26	1/2		1/2	
3/4	2,451.60	3/4	2,093.39	3/4	1,735.18	3/4	1,376.97	3/4	1,018.81	3/4	661.05	3/4	310.96	3/4	18.74	3/4		3/4	
4	2,444.14	4	2,085.93	4	1,727.72	4	1,369.51	4	1,011.36	4	653.59	4	304.14	4		4		4	
1/4	2,436.67	1/4	2,078.46	1/4	1,720.25	1/4	1,362.05	1/4	1,003.91	1/4	646.13	1/4	297.31	1/4		1/4		1/4	
1/2	2,429.21	1/2	2,071.00	1/2	1,712.79	1/2	1,354.58	1/2	996.46	1/2	638.67	1/2	290.49	1/2		1/2		1/2	
3/4	2,421.75	3/4	2,063.54	3/4	1,705.33	3/4	1,347.12	3/4	989.01	3/4	631.20	3/4	283.67	3/4		3/4		3/4	
5	2,414.29	5	2,056.08	5	1,697.87	5	1,339.66	5	981.56	5	623.74	5	276.93	5		5		5	
1/4	2,406.82	1/4	2,048.61	1/4	1,690.40	1/4	1,332.19	1/4	974.11	1/4	616.28	1/4	270.19	1/4		1/4		1/4	
1/2	2,399.36	1/2	2,041.15	1/2	1,682.94	1/2	1,324.73	1/2	966.66	1/2	608.82	1/2	263.46	1/2		1/2		1/2	
3/4	2,391.90	3/4	2,033.69	3/4	1,675.48	3/4	1,317.27	3/4	959.21	3/4	601.35	3/4	256.72	3/4		3/4		3/4	
6	2,384.44	6	2,026.23	6	1,668.02	6	1,309.81	6	951.76	6	593.89	6	250.07	6		6		6	
1/4	2,376.97	1/4	2,018.76	1/4	1,660.55	1/4	1,302.34	1/4	944.31	1/4	586.43	1/4	243.42	1/4		1/4		1/4	
1/2	2,369.51	1/2	2,011.30	1/2	1,653.09	1/2	1,294.88	1/2	936.86	1/2	578.97	1/2	236.77	1/2		1/2		1/2	
3/4	2,362.05	3/4	2,003.84	3/4	1,645.63	3/4	1,287.42	3/4	929.41	3/4	571.50	3/4	230.12	3/4		3/4		3/4	
7	2,354.58	7	1,996.37	7	1,638.17	7	1,279.96	7	921.97	7	564.05	7	223.56	7		7		7	
1/4	2,347.12	1/4	1,988.91	1/4	1,630.70	1/4	1,272.49	1/4	914.52	1/4	556.59	1/4	217.00	1/4		1/4		1/4	
1/2	2,339.66	1/2	1,981.45	1/2	1,623.24	1/2	1,265.03	1/2	907.07	1/2	549.13	1/2	210.44	1/2		1/2		1/2	
3/4	2,332.20	3/4	1,973.99	3/4	1,615.78	3/4	1,257.57	3/4	899.62	3/4	541.68	3/4	203.88	3/4		3/4		3/4	
8	2,324.73	8	1,966.52	8	1,608.31	8	1,250.10	8	892.17	8	534.22	8	197.41	8		8		8	
1/4	2,317.27	1/4	1,959.06	1/4	1,600.85	1/4	1,242.64	1/4	884.72	1/4	526.77	1/4	190.94	1/4		1/4		1/4	
1/2	2,309.81	1/2	1,951.60	1/2	1,593.39	1/2	1,235.18	1/2	877.27	1/2	519.31	1/2	184.46	1/2		1/2		1/2	
3/4	2,302.35	3/4	1,944.14	3/4	1,585.93	3/4	1,227.72	3/4	869.82	3/4	511.86	3/4	177.99	3/4		3/4		3/4	
9	2,294.88	9	1,936.67	9	1,578.46	9	1,220.25	9	862.38	9	504.43	9	171.61	9		9		9	
1/4	2,287.42	1/4	1,929.21	1/4	1,571.00	1/4	1,212.79	1/4	854.93	1/4	497.00	1/4	165.22	1/4		1/4		1/4	
1/2	2,279.96	1/2	1,921.75	1/2	1,563.54	1/2	1,205.33	1/2	847.48	1/2	489.57	1/2	158.84	1/2		1/2		1/2	
3/4	2,272.49	3/4	1,914.29	3/4	1,556.08	3/4	1,197.87	3/4	840.03	3/4	482.15	3/4	152.45	3/4		3/4		3/4	
10	2,265.03	10	1,906.82	10	1,548.61	10	1,190.40	10	832.58	10	474.79	10	146.15	10		10		10	
1/4	2,257.57	1/4	1,899.36	1/4	1,541.15	1/4	1,182.94	1/4	825.13	1/4	467.44	1/4	139.86	1/4		1/4		1/4	
1/2	2,250.11	1/2	1,891.90	1/2	1,533.69	1/2	1,175.48	1/2	817.68	1/2	460.09	1/2	133.56	1/2		1/2		1/2	
3/4	2,242.64	3/4	1,884.43	3/4	1,526.22	3/4	1,168.02	3/4	810.23	3/4	452.74	3/4	127.26	3/4		3/4		3/4	
11	2,235.18	11	1,876.97	11	1,518.76	11	1,160.55	11	802.79	11	445.47	11	121.06	11		11		11	
1/4	2,227.72	1/4	1,869.51	1/4	1,511.30	1/4	1,153.09	1/4	795.34	1/4	438.21	1/4	114.85	1/4		1/4		1/4	
1/2	2,220.26	1/2	1,862.05	1/2	1,503.84	1/2	1,145.63	1/2	787.89	1/2	430.94	1/2	108.64	1/2		1/2		1/2	
3/4	2,212.79	3/4	1,854.58	3/4	1,496.37	3/4	1,138.16	3/4	780.44	3/4	423.68	3/4	102.43	3/4		3/4		3/4	

STRAPPED: 03/27/2014 PMA
RECALCULATED: 07/15/2021 PMA
VERIFIED: 04/22/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2024

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 29153"

2 PORT

ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 17'-04"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30059"

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	4,782.62	0	4,424.87	0	4,065.83	0	3,706.68	0	3,347.53	0	2,988.38
1/4		1/4		1/4		1/4		1/4	4,775.20	1/4	4,417.41	1/4	4,058.35	1/4	3,699.20	1/4	3,340.05	1/4	2,980.89
1/2		1/2		1/2		1/2		1/2	4,767.78	1/2	4,409.95	1/2	4,050.87	1/2	3,691.72	1/2	3,332.57	1/2	2,973.41
3/4		3/4		3/4		3/4		3/4	4,760.36	3/4	4,402.49	3/4	4,043.39	3/4	3,684.23	3/4	3,325.08	3/4	2,965.92
1		1		1		1		1	4,752.94	1	4,395.03	1	4,035.90	1	3,676.75	1	3,317.60	1	2,958.43
1/4		1/4		1/4		1/4		1/4	5,081.77	1/4	4,745.52	1/4	4,387.55	1/4	4,028.42	1/4	3,669.27	1/4	3,310.12
1/2		1/2		1/2		1/2		1/2	5,077.29	1/2	4,738.10	1/2	4,380.08	1/2	4,020.94	1/2	3,661.79	1/2	3,302.64
3/4		3/4		3/4		3/4		3/4	5,072.80	3/4	4,730.68	3/4	4,372.60	3/4	4,013.46	3/4	3,654.31	3/4	3,295.16
2		2		2		2		2	5,068.32	2	4,723.26	2	4,365.12	2	4,005.97	2	3,646.82	2	3,287.67
1/4		1/4		1/4		1/4		1/4	5,062.77	1/4	4,715.81	1/4	4,357.64	1/4	3,998.49	1/4	3,639.34	1/4	3,280.19
1/2		1/2		1/2		1/2		1/2	5,057.21	1/2	4,708.36	1/2	4,350.16	1/2	3,991.01	1/2	3,631.86	1/2	3,272.71
3/4		3/4		3/4		3/4		3/4	5,051.66	3/4	4,700.91	3/4	4,342.68	3/4	3,983.53	3/4	3,624.38	3/4	3,265.23
3		3		3		3		3	5,046.11	3	4,693.46	3	4,335.20	3	3,976.04	3	3,616.89	3	3,257.74
1/4		1/4		1/4		1/4		1/4	5,039.48	1/4	4,685.99	1/4	4,327.71	1/4	3,968.56	1/4	3,609.41	1/4	3,250.26
1/2		1/2		1/2		1/2		1/2	5,032.86	1/2	4,678.53	1/2	4,320.23	1/2	3,961.08	1/2	3,601.93	1/2	3,242.78
3/4		3/4		3/4		3/4		3/4	5,026.24	3/4	4,671.07	3/4	4,312.75	3/4	3,953.60	3/4	3,594.45	3/4	3,235.30
4		4		4		4		4	5,019.62	4	4,663.61	4	4,305.27	4	3,946.12	4	3,586.97	4	3,227.81
1/4		1/4		1/4		1/4		1/4	5,012.33	1/4	4,656.15	1/4	4,297.78	1/4	3,938.63	1/4	3,579.48	1/4	3,220.33
1/2		1/2		1/2		1/2		1/2	5,005.04	1/2	4,648.69	1/2	4,290.30	1/2	3,931.15	1/2	3,572.00	1/2	3,212.85
3/4		3/4		3/4		3/4		3/4	4,997.75	3/4	4,641.23	3/4	4,282.82	3/4	3,923.67	3/4	3,564.52	3/4	3,205.37
5		5		5		5		5	4,990.46	5	4,633.77	5	4,275.34	5	3,916.19	5	3,557.04	5	3,197.89
1/4		1/4		1/4		1/4		1/4	4,983.03	1/4	4,626.31	1/4	4,267.85	1/4	3,908.70	1/4	3,549.55	1/4	3,190.40
1/2		1/2		1/2		1/2		1/2	4,975.61	1/2	4,618.85	1/2	4,260.37	1/2	3,901.22	1/2	3,542.07	1/2	3,182.92
3/4		3/4		3/4		3/4		3/4	4,968.18	3/4	4,611.39	3/4	4,252.89	3/4	3,893.74	3/4	3,534.59	3/4	3,175.44
6		6		6		6		6	4,960.76	6	4,603.93	6	4,245.41	6	3,886.26	6	3,527.11	6	3,167.96
1/4		1/4		1/4		1/4		1/4	4,953.33	1/4	4,596.47	1/4	4,237.93	1/4	3,878.77	1/4	3,519.62	1/4	3,160.47
1/2		1/2		1/2		1/2		1/2	4,945.91	1/2	4,589.01	1/2	4,230.44	1/2	3,871.29	1/2	3,512.14	1/2	3,152.99
3/4		3/4		3/4		3/4		3/4	4,938.48	3/4	4,581.55	3/4	4,222.96	3/4	3,863.81	3/4	3,504.66	3/4	3,145.51
7		7		7		7		7	4,931.06	7	4,574.09	7	4,215.48	7	3,856.33	7	3,497.18	7	3,138.03
1/4		1/4		1/4		1/4		1/4	4,923.63	1/4	4,566.62	1/4	4,208.00	1/4	3,848.85	1/4	3,489.70	1/4	3,130.54
1/2		1/2		1/2		1/2		1/2	4,916.21	1/2	4,559.16	1/2	4,200.51	1/2	3,841.36	1/2	3,482.21	1/2	3,123.06
3/4		3/4		3/4		3/4		3/4	4,908.78	3/4	4,551.70	3/4	4,193.03	3/4	3,833.88	3/4	3,474.73	3/4	3,115.58
8		8		8		8		8	4,901.36	8	4,544.24	8	4,185.55	8	3,826.40	8	3,467.25	8	3,108.10
1/4		1/4		1/4		1/4		1/4	4,893.94	1/4	4,536.78	1/4	4,178.07	1/4	3,818.92	1/4	3,459.77	1/4	3,100.62
1/2		1/2		1/2		1/2		1/2	4,886.52	1/2	4,529.32	1/2	4,170.58	1/2	3,811.43	1/2	3,452.28	1/2	3,093.13
3/4		3/4		3/4		3/4		3/4	4,879.09	3/4	4,521.86	3/4	4,163.10	3/4	3,803.95	3/4	3,444.80	3/4	3,085.65
9		9		9		9		9	4,871.67	9	4,514.40	9	4,155.62	9	3,796.47	9	3,437.32	9	3,078.17
1/4		1/4		1/4		1/4		1/4	4,864.25	1/4	4,506.94	1/4	4,148.14	1/4	3,788.99	1/4	3,429.84	1/4	3,070.69
1/2		1/2		1/2		1/2		1/2	4,856.83	1/2	4,499.48	1/2	4,140.66	1/2	3,781.50	1/2	3,422.35	1/2	3,063.20
3/4		3/4		3/4		3/4		3/4	4,849.41	3/4	4,492.02	3/4	4,133.17	3/4	3,774.02	3/4	3,414.87	3/4	3,055.72
10		10		10		10		10	4,841.99	10	4,484.56	10	4,125.69	10	3,766.54	10	3,407.39	10	3,048.24
1/4		1/4		1/4		1/4		1/4	4,834.57	1/4	4,477.10	1/4	4,118.21	1/4	3,759.06	1/4	3,399.91	1/4	3,040.76
1/2		1/2		1/2		1/2		1/2	4,827.15	1/2	4,469.64	1/2	4,110.73	1/2	3,751.58	1/2	3,392.43	1/2	3,033.27
3/4		3/4		3/4		3/4		3/4	4,819.73	3/4	4,462.18	3/4	4,103.24	3/4	3,744.09	3/4	3,384.94	3/4	3,025.79
11		11		11		11		11	4,812.31	11	4,454.72	11	4,095.76	11	3,736.61	11	3,377.46	11	3,018.31
1/4		1/4		1/4		1/4		1/4	4,804.89	1/4	4,447.26	1/4	4,088.28	1/4	3,729.13	1/4	3,369.98	1/4	3,010.83
1/2		1/2		1/2		1/2		1/2	4,797.46	1/2	4,439.79	1/2	4,080.80	1/2	3,721.65	1/2	3,362.50	1/2	3,003.35
3/4		3/4		3/4		3/4		3/4	4,790.04	3/4	4,432.33	3/4	4,073.31	3/4	3,714.16	3/4	3,355.01	3/4	2,995.86

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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" CLOSED 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 29153"

2 PORT ULLAGE TABLE HERMETIC

GAUGE HEIGHT 17'-04"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30059"

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	2,629.04	0	2,269.69	0	1,910.35	0	1,551.01	0	1,191.67	0	846.40	0	487.37	0	128.04	0		0	
1/4	2,621.55	1/4	2,262.21	1/4	1,902.87	1/4	1,543.52	1/4	1,184.39	1/4	838.99	1/4	479.88	1/4	120.55	1/4		1/4	
1/2	2,614.06	1/2	2,254.72	1/2	1,895.38	1/2	1,536.04	1/2	1,177.12	1/2	831.58	1/2	472.40	1/2	113.07	1/2		1/2	
3/4	2,606.58	3/4	2,247.23	3/4	1,887.89	3/4	1,528.55	3/4	1,169.84	3/4	824.17	3/4	464.91	3/4	105.58	3/4		3/4	
1	2,599.09	1	2,239.75	1	1,880.41	1	1,521.06	1	1,162.57	1	816.76	1	457.43	1	98.09	1		1	
1/4	2,591.60	1/4	2,232.26	1/4	1,872.92	1/4	1,513.58	1/4	1,155.37	1/4	809.27	1/4	449.94	1/4	90.61	1/4		1/4	
1/2	2,584.12	1/2	2,224.78	1/2	1,865.43	1/2	1,506.09	1/2	1,148.16	1/2	801.79	1/2	442.45	1/2	83.12	1/2		1/2	
3/4	2,576.63	3/4	2,217.29	3/4	1,857.95	3/4	1,498.60	3/4	1,140.96	3/4	794.30	3/4	434.97	3/4	75.64	3/4		3/4	
2	2,569.15	2	2,209.80	2	1,850.46	2	1,491.12	2	1,133.76	2	786.81	2	427.48	2	68.15	2		2	
1/4	2,561.66	1/4	2,202.32	1/4	1,842.97	1/4	1,483.63	1/4	1,126.56	1/4	779.33	1/4	420.00	1/4	61.36	1/4		1/4	
1/2	2,554.17	1/2	2,194.83	1/2	1,835.49	1/2	1,476.15	1/2	1,119.37	1/2	771.84	1/2	412.51	1/2	54.58	1/2		1/2	
3/4	2,546.69	3/4	2,187.34	3/4	1,828.00	3/4	1,468.66	3/4	1,112.18	3/4	764.36	3/4	405.02	3/4	47.80	3/4		3/4	
3	2,539.20	3	2,179.86	3	1,820.52	3	1,461.17	3	1,104.99	3	756.87	3	397.54	3	41.01	3		3	
1/4	2,531.71	1/4	2,172.37	1/4	1,813.03	1/4	1,453.69	1/4	1,097.80	1/4	749.38	1/4	390.05	1/4	35.87	1/4		1/4	
1/2	2,524.23	1/2	2,164.89	1/2	1,805.54	1/2	1,446.20	1/2	1,090.61	1/2	741.90	1/2	382.57	1/2	30.72	1/2		1/2	
3/4	2,516.74	3/4	2,157.40	3/4	1,798.06	3/4	1,438.71	3/4	1,083.42	3/4	734.41	3/4	375.08	3/4	25.57	3/4		3/4	
4	2,509.26	4	2,149.91	4	1,790.57	4	1,431.23	4	1,076.23	4	726.93	4	367.59	4	20.43	4		4	
1/4	2,501.77	1/4	2,142.43	1/4	1,783.08	1/4	1,423.74	1/4	1,069.05	1/4	719.44	1/4	360.11	1/4		1/4		1/4	
1/2	2,494.28	1/2	2,134.94	1/2	1,775.60	1/2	1,416.26	1/2	1,061.86	1/2	711.95	1/2	352.62	1/2		1/2		1/2	
3/4	2,486.80	3/4	2,127.45	3/4	1,768.11	3/4	1,408.77	3/4	1,054.68	3/4	704.47	3/4	345.13	3/4		3/4		3/4	
5	2,479.31	5	2,119.97	5	1,760.63	5	1,401.28	5	1,047.50	5	696.98	5	337.65	5		5		5	
1/4	2,471.82	1/4	2,112.48	1/4	1,753.14	1/4	1,393.80	1/4	1,040.31	1/4	689.50	1/4	330.16	1/4		1/4		1/4	
1/2	2,464.34	1/2	2,105.00	1/2	1,745.65	1/2	1,386.31	1/2	1,033.13	1/2	682.01	1/2	322.68	1/2		1/2		1/2	
3/4	2,456.85	3/4	2,097.51	3/4	1,738.17	3/4	1,378.82	3/4	1,025.95	3/4	674.52	3/4	315.19	3/4		3/4		3/4	
6	2,449.37	6	2,090.02	6	1,730.68	6	1,371.34	6	1,018.77	6	667.04	6	307.70	6		6		6	
1/4	2,441.88	1/4	2,082.54	1/4	1,723.19	1/4	1,363.85	1/4	1,011.59	1/4	659.55	1/4	300.22	1/4		1/4		1/4	
1/2	2,434.39	1/2	2,075.05	1/2	1,715.71	1/2	1,356.37	1/2	1,004.40	1/2	652.06	1/2	292.73	1/2		1/2		1/2	
3/4	2,426.91	3/4	2,067.56	3/4	1,708.22	3/4	1,348.88	3/4	997.22	3/4	644.58	3/4	285.25	3/4		3/4		3/4	
7	2,419.42	7	2,060.08	7	1,700.74	7	1,341.39	7	990.04	7	637.09	7	277.76	7		7		7	
1/4	2,411.93	1/4	2,052.59	1/4	1,693.25	1/4	1,333.91	1/4	982.86	1/4	629.61	1/4	270.27	1/4		1/4		1/4	
1/2	2,404.45	1/2	2,045.10	1/2	1,685.76	1/2	1,326.42	1/2	975.68	1/2	622.12	1/2	262.79	1/2		1/2		1/2	
3/4	2,396.96	3/4	2,037.62	3/4	1,678.28	3/4	1,318.93	3/4	968.49	3/4	614.63	3/4	255.30	3/4		3/4		3/4	
8	2,389.47	8	2,030.13	8	1,670.79	8	1,311.45	8	961.31	8	607.15	8	247.82	8		8		8	
1/4	2,381.99	1/4	2,022.65	1/4	1,663.30	1/4	1,303.96	1/4	954.13	1/4	599.66	1/4	240.33	1/4		1/4		1/4	
1/2	2,374.50	1/2	2,015.16	1/2	1,655.82	1/2	1,296.47	1/2	946.95	1/2	592.18	1/2	232.84	1/2		1/2		1/2	
3/4	2,367.02	3/4	2,007.67	3/4	1,648.33	3/4	1,288.99	3/4	939.77	3/4	584.69	3/4	225.36	3/4		3/4		3/4	
9	2,359.53	9	2,000.19	9	1,640.84	9	1,281.50	9	932.58	9	577.20	9	217.87	9		9		9	
1/4	2,352.04	1/4	1,992.70	1/4	1,633.36	1/4	1,274.02	1/4	925.40	1/4	569.72	1/4	210.38	1/4		1/4		1/4	
1/2	2,344.56	1/2	1,985.21	1/2	1,625.87	1/2	1,266.53	1/2	918.22	1/2	562.23	1/2	202.90	1/2		1/2		1/2	
3/4	2,337.07	3/4	1,977.73	3/4	1,618.39	3/4	1,259.04	3/4	911.04	3/4	554.75	3/4	195.41	3/4		3/4		3/4	
10	2,329.58	10	1,970.24	10	1,610.90	10	1,251.56	10	903.86	10	547.26	10	187.93	10		10		10	
1/4	2,322.10	1/4	1,962.76	1/4	1,603.41	1/4	1,244.07	1/4	896.67	1/4	539.77	1/4	180.44	1/4		1/4		1/4	
1/2	2,314.61	1/2	1,955.27	1/2	1,595.93	1/2	1,236.58	1/2	889.49	1/2	532.29	1/2	172.95	1/2		1/2		1/2	
3/4	2,307.13	3/4	1,947.78	3/4	1,588.44	3/4	1,229.10	3/4	882.31	3/4	524.80	3/4	165.47	3/4		3/4		3/4	
11	2,299.64	11	1,940.30	11	1,580.95	11	1,221.61	11	875.13	11	517.32	11	157.98	11		11		11	
1/4	2,292.15	1/4	1,932.81	1/4	1,573.47	1/4	1,214.13	1/4	867.95	1/4	509.83	1/4	150.50	1/4		1/4		1/4	
1/2	2,284.67	1/2	1,925.32	1/2	1,565.98	1/2	1,206.64	1/2	860.76	1/2	502.34	1/2	143.01	1/2		1/2		1/2	
3/4	2,277.18	3/4	1,917.84	3/4	1,558.50	3/4	1,199.15	3/4	853.58	3/4	494.86	3/4	135.52	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/27/2014 PMA
RECALCULATED: 07/15/2021 PMA
VERIFIED: 04/22/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2024

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



BARGE "KIRBY 29153"

2 STBD

ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 17'-03 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30059"

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	4,781.70	0	4,423.87	0	4,064.79	0	3,705.64	0	3,346.49	0	2,987.33		
1/4		1/4		1/4		1/4		1/4	4,774.28	1/4	4,416.41	1/4	4,057.31	1/4	3,698.16	1/4	3,339.00	1/4	2,979.84		
1/2		1/2		1/2		1/2		1/2	4,766.86	1/2	4,408.95	1/2	4,049.82	1/2	3,690.67	1/2	3,331.52	1/2	2,972.35		
3/4		3/4		3/4		3/4		3/4	5,095.70	3/4	4,759.44	3/4	4,401.48	3/4	4,042.34	3/4	3,683.19	3/4	3,324.04	3/4	2,964.87
1		1		1		1		1	5,091.22	1	4,752.02	1	4,394.00	1	4,034.86	1	3,675.71	1	3,316.56	1	2,957.38
1/4		1/4		1/4		1/4		1/4	5,086.73	1/4	4,744.60	1/4	4,386.52	1/4	4,027.38	1/4	3,668.23	1/4	3,309.08	1/4	2,949.90
1/2		1/2		1/2		1/2		1/2	5,082.25	1/2	4,737.18	1/2	4,379.04	1/2	4,019.89	1/2	3,660.74	1/2	3,301.59	1/2	2,942.41
3/4		3/4		3/4		3/4		3/4	5,076.70	3/4	4,729.73	3/4	4,371.56	3/4	4,012.41	3/4	3,653.26	3/4	3,294.11	3/4	2,934.92
2		2		2		2		2	5,071.14	2	4,722.28	2	4,364.08	2	4,004.93	2	3,645.78	2	3,286.63	2	2,927.44
1/4		1/4		1/4		1/4		1/4	5,065.59	1/4	4,714.83	1/4	4,356.60	1/4	3,997.45	1/4	3,638.30	1/4	3,279.15	1/4	2,919.95
1/2		1/2		1/2		1/2		1/2	5,060.04	1/2	4,707.38	1/2	4,349.12	1/2	3,989.97	1/2	3,630.81	1/2	3,271.66	1/2	2,912.46
3/4		3/4		3/4		3/4		3/4	5,053.41	3/4	4,699.92	3/4	4,341.63	3/4	3,982.48	3/4	3,623.33	3/4	3,264.18	3/4	2,904.98
3		3		3		3		3	5,046.79	3	4,692.46	3	4,334.15	3	3,975.00	3	3,615.85	3	3,256.70	3	2,897.49
1/4		1/4		1/4		1/4		1/4	5,040.17	1/4	4,684.99	1/4	4,326.67	1/4	3,967.52	1/4	3,608.37	1/4	3,249.22	1/4	2,890.00
1/2		1/2		1/2		1/2		1/2	5,033.54	1/2	4,677.53	1/2	4,319.19	1/2	3,960.04	1/2	3,600.89	1/2	3,241.73	1/2	2,882.52
3/4		3/4		3/4		3/4		3/4	5,026.25	3/4	4,670.07	3/4	4,311.70	3/4	3,952.55	3/4	3,593.40	3/4	3,234.25	3/4	2,875.03
4		4		4		4		4	5,018.96	4	4,662.61	4	4,304.22	4	3,945.07	4	3,585.92	4	3,226.77	4	2,867.55
1/4		1/4		1/4		1/4		1/4	5,011.67	1/4	4,655.15	1/4	4,296.74	1/4	3,937.59	1/4	3,578.44	1/4	3,219.29	1/4	2,860.06
1/2		1/2		1/2		1/2		1/2	5,004.38	1/2	4,647.69	1/2	4,289.26	1/2	3,930.11	1/2	3,570.96	1/2	3,211.81	1/2	2,852.57
3/4		3/4		3/4		3/4		3/4	4,996.95	3/4	4,640.23	3/4	4,281.77	3/4	3,922.62	3/4	3,563.47	3/4	3,204.32	3/4	2,845.09
5		5		5		5		5	4,989.53	5	4,632.77	5	4,274.29	5	3,915.14	5	3,555.99	5	3,196.84	5	2,837.60
1/4		1/4		1/4		1/4		1/4	4,982.11	1/4	4,625.31	1/4	4,266.81	1/4	3,907.66	1/4	3,548.51	1/4	3,189.36	1/4	2,830.11
1/2		1/2		1/2		1/2		1/2	4,974.68	1/2	4,617.85	1/2	4,259.33	1/2	3,900.18	1/2	3,541.03	1/2	3,181.88	1/2	2,822.63
3/4		3/4		3/4		3/4		3/4	4,967.26	3/4	4,610.39	3/4	4,251.85	3/4	3,892.70	3/4	3,533.54	3/4	3,174.39	3/4	2,815.14
6		6		6		6		6	4,959.83	6	4,602.93	6	4,244.36	6	3,885.21	6	3,526.06	6	3,166.91	6	2,807.66
1/4		1/4		1/4		1/4		1/4	4,952.41	1/4	4,595.47	1/4	4,236.88	1/4	3,877.73	1/4	3,518.58	1/4	3,159.43	1/4	2,800.17
1/2		1/2		1/2		1/2		1/2	4,944.98	1/2	4,588.01	1/2	4,229.40	1/2	3,870.25	1/2	3,511.10	1/2	3,151.95	1/2	2,792.68
3/4		3/4		3/4		3/4		3/4	4,937.56	3/4	4,580.55	3/4	4,221.92	3/4	3,862.77	3/4	3,503.62	3/4	3,144.47	3/4	2,785.20
7		7		7		7		7	4,930.13	7	4,573.09	7	4,214.43	7	3,855.28	7	3,496.13	7	3,136.98	7	2,777.71
1/4		1/4		1/4		1/4		1/4	4,922.71	1/4	4,565.62	1/4	4,206.95	1/4	3,847.80	1/4	3,488.65	1/4	3,129.50	1/4	2,770.22
1/2		1/2		1/2		1/2		1/2	4,915.28	1/2	4,558.16	1/2	4,199.47	1/2	3,840.32	1/2	3,481.17	1/2	3,122.02	1/2	2,762.74
3/4		3/4		3/4		3/4		3/4	4,907.86	3/4	4,550.70	3/4	4,191.99	3/4	3,832.84	3/4	3,473.69	3/4	3,114.54	3/4	2,755.25
8		8		8		8		8	4,900.44	8	4,543.24	8	4,184.50	8	3,825.35	8	3,466.20	8	3,107.05	8	2,747.77
1/4		1/4		1/4		1/4		1/4	4,893.02	1/4	4,535.78	1/4	4,177.02	1/4	3,817.87	1/4	3,458.72	1/4	3,099.57	1/4	2,740.28
1/2		1/2		1/2		1/2		1/2	4,885.59	1/2	4,528.32	1/2	4,169.54	1/2	3,810.39	1/2	3,451.24	1/2	3,092.09	1/2	2,732.79
3/4		3/4		3/4		3/4		3/4	4,878.17	3/4	4,520.86	3/4	4,162.06	3/4	3,802.91	3/4	3,443.76	3/4	3,084.61	3/4	2,725.31
9		9		9		9		9	4,870.75	9	4,513.40	9	4,154.58	9	3,795.43	9	3,436.27	9	3,077.12	9	2,717.82
1/4		1/4		1/4		1/4		1/4	4,863.33	1/4	4,505.94	1/4	4,147.09	1/4	3,787.94	1/4	3,428.79	1/4	3,069.64	1/4	2,710.33
1/2		1/2		1/2		1/2		1/2	4,855.91	1/2	4,498.48	1/2	4,139.61	1/2	3,780.46	1/2	3,421.31	1/2	3,062.16	1/2	2,702.85
3/4		3/4		3/4		3/4		3/4	4,848.49	3/4	4,491.02	3/4	4,132.13	3/4	3,772.98	3/4	3,413.83	3/4	3,054.68	3/4	2,695.36
10		10		10		10		10	4,841.07	10	4,483.56	10	4,124.65	10	3,765.50	10	3,406.35	10	3,047.20	10	2,687.87
1/4		1/4		1/4		1/4		1/4	4,833.65	1/4	4,476.10	1/4	4,117.16	1/4	3,758.01	1/4	3,398.86	1/4	3,039.71	1/4	2,680.39
1/2		1/2		1/2		1/2		1/2	4,826.23	1/2	4,468.64	1/2	4,109.68	1/2	3,750.53	1/2	3,391.38	1/2	3,032.23	1/2	2,672.90
3/4		3/4		3/4		3/4		3/4	4,818.81	3/4	4,461.18	3/4	4,102.20	3/4	3,743.05	3/4	3,383.90	3/4	3,024.75	3/4	2,665.42
11		11		11		11		11	4,811.39	11	4,453.72	11	4,094.72	11	3,735.57	11	3,376.42	11	3,017.27	11	2,657.93
1/4		1/4		1/4		1/4		1/4	4,803.96	1/4	4,446.26	1/4	4,087.23	1/4	3,728.08	1/4	3,368.93	1/4	3,009.78	1/4	2,650.44
1/2		1/2		1/2		1/2		1/2	4,796.54	1/2	4,438.79	1/2	4,079.75	1/2	3,720.60	1/2	3,361.45	1/2	3,002.30	1/2	2,642.96
3/4		3/4		3/4		3/4		3/4	4,789.12	3/4	4,431.33	3/4	4,072.27	3/4	3,713.12	3/4	3,353.97	3/4	2,994.81	3/4	2,635.47

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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" CLOSED 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 29153"

2 STBD

ULLAGE TABLE HERMETIC

GAUGE HEIGHT 17'-03 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30059"

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/27/2014 PMA
RECALCULATED: 07/15/2021 PMA
VERIFIED: 04/22/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2024

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



BARGE "KIRBY 29153"

3 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30059"

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	4,296.61	0	4,078.30	0	3,859.14	0	3,639.93	0	3,318.15	0	2,961.71
1/4		1/4		1/4		1/4		1/4	4,292.08	1/4	4,073.75	1/4	3,854.58	1/4	3,635.36	1/4	3,310.75	1/4	2,954.28
1/2		1/2		1/2		1/2		1/2	4,287.56	1/2	4,069.20	1/2	3,850.01	1/2	3,630.79	1/2	3,303.34	1/2	2,946.85
3/4		3/4		3/4		3/4		3/4	4,283.03	3/4	4,064.65	3/4	3,845.44	3/4	3,626.23	3/4	3,295.93	3/4	2,939.42
1		1		1		1	4,476.57	1	4,278.51	1	4,060.08	1	3,840.87	1	3,621.66	1	3,288.52	1	2,931.98
1/4		1/4		1/4		1/4	4,474.72	1/4	4,273.98	1/4	4,055.52	1/4	3,836.31	1/4	3,617.09	1/4	3,281.11	1/4	2,924.55
1/2		1/2		1/2		1/2	4,472.87	1/2	4,269.46	1/2	4,050.95	1/2	3,831.74	1/2	3,612.52	1/2	3,273.70	1/2	2,917.12
3/4		3/4		3/4		3/4	4,471.02	3/4	4,264.93	3/4	4,046.39	3/4	3,827.17	3/4	3,607.96	3/4	3,266.29	3/4	2,909.69
2		2		2		2	4,468.36	2	4,260.39	2	4,041.82	2	3,822.61	2	3,603.39	2	3,258.87	2	2,902.26
1/4		1/4		1/4		1/4	4,465.70	1/4	4,255.84	1/4	4,037.26	1/4	3,818.04	1/4	3,598.82	1/4	3,251.45	1/4	2,894.82
1/2		1/2		1/2		1/2	4,463.03	1/2	4,251.29	1/2	4,032.69	1/2	3,813.47	1/2	3,594.26	1/2	3,244.02	1/2	2,887.39
3/4		3/4		3/4		3/4	4,460.37	3/4	4,246.75	3/4	4,028.12	3/4	3,808.91	3/4	3,589.69	3/4	3,236.60	3/4	2,879.96
3		3		3		3	4,456.64	3	4,242.19	3	4,023.55	3	3,804.34	3	3,582.96	3	3,229.17	3	2,872.53
1/4		1/4		1/4		1/4	4,452.91	1/4	4,237.64	1/4	4,018.99	1/4	3,799.77	1/4	3,576.23	1/4	3,221.74	1/4	2,865.10
1/2		1/2		1/2		1/2	4,449.18	1/2	4,233.09	1/2	4,014.42	1/2	3,795.20	1/2	3,569.50	1/2	3,214.31	1/2	2,857.66
3/4		3/4		3/4		3/4	4,445.45	3/4	4,228.54	3/4	4,009.85	3/4	3,790.64	3/4	3,562.77	3/4	3,206.88	3/4	2,850.23
4		4		4		4	4,441.06	4	4,223.98	4	4,005.29	4	3,786.07	4	3,555.34	4	3,199.45	4	2,842.80
1/4		1/4		1/4		1/4	4,436.66	1/4	4,219.43	1/4	4,000.72	1/4	3,781.50	1/4	3,547.92	1/4	3,192.02	1/4	2,835.37
1/2		1/2		1/2		1/2	4,432.27	1/2	4,214.88	1/2	3,996.15	1/2	3,776.94	1/2	3,540.49	1/2	3,184.59	1/2	2,827.94
3/4		3/4		3/4		3/4	4,427.87	3/4	4,210.33	3/4	3,991.59	3/4	3,772.37	3/4	3,533.06	3/4	3,177.16	3/4	2,820.50
5		5		5		5	4,423.35	5	4,205.77	5	3,987.02	5	3,767.80	5	3,525.64	5	3,169.74	5	2,813.07
1/4		1/4		1/4		1/4	4,418.82	1/4	4,201.22	1/4	3,982.45	1/4	3,763.24	1/4	3,518.22	1/4	3,162.31	1/4	2,805.64
1/2		1/2		1/2		1/2	4,414.29	1/2	4,196.67	1/2	3,977.88	1/2	3,758.67	1/2	3,510.80	1/2	3,154.88	1/2	2,798.21
3/4		3/4		3/4		3/4	4,409.76	3/4	4,192.12	3/4	3,973.32	3/4	3,754.10	3/4	3,503.38	3/4	3,147.45	3/4	2,790.78
6		6		6		6	4,405.23	6	4,187.56	6	3,968.75	6	3,749.53	6	3,495.97	6	3,140.02	6	2,783.34
1/4		1/4		1/4		1/4	4,400.71	1/4	4,183.01	1/4	3,964.18	1/4	3,744.97	1/4	3,488.56	1/4	3,132.59	1/4	2,775.91
1/2		1/2		1/2		1/2	4,396.18	1/2	4,178.46	1/2	3,959.62	1/2	3,740.40	1/2	3,481.15	1/2	3,125.16	1/2	2,768.48
3/4		3/4		3/4		3/4	4,391.65	3/4	4,173.91	3/4	3,955.05	3/4	3,735.83	3/4	3,473.73	3/4	3,117.73	3/4	2,761.05
7		7		7		7	4,387.12	7	4,169.35	7	3,950.48	7	3,731.27	7	3,466.33	7	3,110.30	7	2,753.62
1/4		1/4		1/4		1/4	4,382.59	1/4	4,164.80	1/4	3,945.92	1/4	3,726.70	1/4	3,458.92	1/4	3,102.87	1/4	2,746.18
1/2		1/2		1/2		1/2	4,378.07	1/2	4,160.25	1/2	3,941.35	1/2	3,722.13	1/2	3,451.51	1/2	3,095.44	1/2	2,738.75
3/4		3/4		3/4		3/4	4,373.54	3/4	4,155.70	3/4	3,936.78	3/4	3,717.57	3/4	3,444.10	3/4	3,088.01	3/4	2,731.32
8		8		8		8	4,369.01	8	4,151.14	8	3,932.21	8	3,713.00	8	3,436.69	8	3,080.58	8	2,723.89
1/4		1/4		1/4		1/4	4,364.49	1/4	4,146.59	1/4	3,927.65	1/4	3,708.43	1/4	3,429.28	1/4	3,073.15	1/4	2,716.46
1/2		1/2		1/2		1/2	4,359.96	1/2	4,142.04	1/2	3,923.08	1/2	3,703.86	1/2	3,421.87	1/2	3,065.72	1/2	2,709.02
3/4		3/4		3/4		3/4	4,355.44	3/4	4,137.49	3/4	3,918.51	3/4	3,699.30	3/4	3,414.47	3/4	3,058.29	3/4	2,701.59
9		9		9		9	4,350.91	9	4,132.93	9	3,913.95	9	3,694.73	9	3,407.06	9	3,050.86	9	2,694.16
1/4		1/4		1/4		1/4	4,346.39	1/4	4,128.38	1/4	3,909.38	1/4	3,690.16	1/4	3,399.65	1/4	3,043.44	1/4	2,686.73
1/2		1/2		1/2		1/2	4,341.86	1/2	4,123.83	1/2	3,904.81	1/2	3,685.60	1/2	3,392.24	1/2	3,036.01	1/2	2,679.30
3/4		3/4		3/4		3/4	4,337.33	3/4	4,119.28	3/4	3,900.25	3/4	3,681.03	3/4	3,384.83	3/4	3,028.58	3/4	2,671.86
10		10		10		10	4,332.81	10	4,114.72	10	3,895.68	10	3,676.46	10	3,377.42	10	3,021.15	10	2,664.43
1/4		1/4		1/4		1/4	4,328.28	1/4	4,110.17	1/4	3,891.11	1/4	3,671.90	1/4	3,370.01	1/4	3,013.72	1/4	2,657.00
1/2		1/2		1/2		1/2	4,323.76	1/2	4,105.62	1/2	3,886.54	1/2	3,667.33	1/2	3,362.61	1/2	3,006.29	1/2	2,649.57
3/4		3/4		3/4		3/4	4,319.23	3/4	4,101.07	3/4	3,881.98	3/4	3,662.76	3/4	3,355.20	3/4	2,998.86	3/4	2,642.14
11		11		11		11	4,314.71	11	4,096.51	11	3,877.41	11	3,658.19	11	3,347.79	11	2,991.43	11	2,634.70
1/4		1/4		1/4		1/4	4,310.18	1/4	4,091.96	1/4	3,872.84	1/4	3,653.63	1/4	3,340.38	1/4	2,984.00	1/4	2,627.27
1/2		1/2		1/2		1/2	4,305.66	1/2	4,087.41	1/2	3,868.28	1/2	3,649.06	1/2	3,332.97	1/2	2,976.57	1/2	2,619.84
3/4		3/4		3/4		3/4	4,301.13	3/4	4,082.86	3/4	3,863.71	3/4	3,644.49	3/4	3,325.56	3/4	2,969.14	3/4	2,612.41

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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" CLOSED 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 29153"

3 PORT ULLAGE TABLE HERMETIC

GAUGE HEIGHT 17'-03 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30059"

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	2,604.97	0	2,249.14	0	1,895.00	0	1,537.96	0	1,181.03	0	834.41	0	477.30	0	120.04	0		0	
1/4	2,597.53	1/4	2,241.76	1/4	1,887.58	1/4	1,530.52	1/4	1,173.75	1/4	827.03	1/4	469.86	1/4	112.59	1/4		1/4	
1/2	2,590.10	1/2	2,234.37	1/2	1,880.16	1/2	1,523.08	1/2	1,166.46	1/2	819.65	1/2	462.42	1/2	105.14	1/2		1/2	
3/4	2,582.66	3/4	2,226.99	3/4	1,872.73	3/4	1,515.64	3/4	1,159.18	3/4	812.26	3/4	454.97	3/4	97.69	3/4		3/4	
1	2,575.22	1	2,219.61	1	1,865.29	1	1,508.20	1	1,151.95	1	804.82	1	447.53	1	90.24	1		1	
1/4	2,567.78	1/4	2,212.24	1/4	1,857.85	1/4	1,500.76	1/4	1,144.72	1/4	797.37	1/4	440.09	1/4	82.78	1/4		1/4	
1/2	2,560.34	1/2	2,204.86	1/2	1,850.42	1/2	1,493.32	1/2	1,137.49	1/2	789.93	1/2	432.65	1/2	75.33	1/2		1/2	
3/4	2,552.90	3/4	2,197.48	3/4	1,842.98	3/4	1,485.88	3/4	1,130.27	3/4	782.49	3/4	425.20	3/4	67.88	3/4		3/4	
2	2,545.46	2	2,190.11	2	1,835.54	2	1,478.45	2	1,123.05	2	775.04	2	417.76	2	61.12	2		2	
1/4	2,538.02	1/4	2,182.73	1/4	1,828.10	1/4	1,471.01	1/4	1,115.83	1/4	767.60	1/4	410.32	1/4	54.36	1/4		1/4	
1/2	2,530.58	1/2	2,175.35	1/2	1,820.66	1/2	1,463.57	1/2	1,108.61	1/2	760.16	1/2	402.88	1/2	47.61	1/2		1/2	
3/4	2,523.14	3/4	2,167.98	3/4	1,813.22	3/4	1,456.13	3/4	1,101.38	3/4	752.71	3/4	395.44	3/4	40.85	3/4		3/4	
3	2,515.70	3	2,160.60	3	1,805.78	3	1,448.69	3	1,094.17	3	745.27	3	387.99	3	35.73	3		3	
1/4	2,508.27	1/4	2,153.23	1/4	1,798.34	1/4	1,441.25	1/4	1,086.95	1/4	737.83	1/4	380.55	1/4	30.60	1/4		1/4	
1/2	2,500.83	1/2	2,145.85	1/2	1,790.90	1/2	1,433.81	1/2	1,079.73	1/2	730.38	1/2	373.11	1/2	25.47	1/2		1/2	
3/4	2,493.39	3/4	2,138.47	3/4	1,783.46	3/4	1,426.37	3/4	1,072.52	3/4	722.94	3/4	365.67	3/4	20.35	3/4		3/4	
4	2,485.98	4	2,131.10	4	1,776.02	4	1,418.93	4	1,065.31	4	715.50	4	358.22	4		4		4	
1/4	2,478.57	1/4	2,123.72	1/4	1,768.58	1/4	1,411.49	1/4	1,058.09	1/4	708.05	1/4	350.78	1/4		1/4		1/4	
1/2	2,471.16	1/2	2,116.34	1/2	1,761.14	1/2	1,404.05	1/2	1,050.88	1/2	700.61	1/2	343.34	1/2		1/2		1/2	
3/4	2,463.75	3/4	2,108.97	3/4	1,753.70	3/4	1,396.61	3/4	1,043.67	3/4	693.16	3/4	335.90	3/4		3/4		3/4	
5	2,456.34	5	2,101.59	5	1,746.26	5	1,389.17	5	1,036.46	5	685.72	5	328.46	5		5		5	
1/4	2,448.94	1/4	2,094.21	1/4	1,738.82	1/4	1,381.73	1/4	1,029.25	1/4	678.28	1/4	321.01	1/4		1/4		1/4	
1/2	2,441.54	1/2	2,086.84	1/2	1,731.38	1/2	1,374.29	1/2	1,022.04	1/2	670.83	1/2	313.57	1/2		1/2		1/2	
3/4	2,434.14	3/4	2,079.46	3/4	1,723.95	3/4	1,366.85	3/4	1,014.83	3/4	663.39	3/4	306.13	3/4		3/4		3/4	
6	2,426.74	6	2,072.08	6	1,716.51	6	1,359.41	6	1,007.62	6	655.95	6	298.69	6		6		6	
1/4	2,419.34	1/4	2,064.71	1/4	1,709.07	1/4	1,351.98	1/4	1,000.41	1/4	648.50	1/4	291.24	1/4		1/4		1/4	
1/2	2,411.94	1/2	2,057.33	1/2	1,701.63	1/2	1,344.54	1/2	993.20	1/2	641.06	1/2	283.80	1/2		1/2		1/2	
3/4	2,404.54	3/4	2,049.95	3/4	1,694.19	3/4	1,337.10	3/4	985.99	3/4	633.62	3/4	276.36	3/4		3/4		3/4	
7	2,397.14	7	2,042.58	7	1,686.75	7	1,329.66	7	978.78	7	626.17	7	268.92	7		7		7	
1/4	2,389.74	1/4	2,035.20	1/4	1,679.31	1/4	1,322.22	1/4	971.57	1/4	618.73	1/4	261.48	1/4		1/4		1/4	
1/2	2,382.34	1/2	2,027.82	1/2	1,671.87	1/2	1,314.78	1/2	964.36	1/2	611.28	1/2	254.03	1/2		1/2		1/2	
3/4	2,374.93	3/4	2,020.45	3/4	1,664.43	3/4	1,307.34	3/4	957.15	3/4	603.84	3/4	246.59	3/4		3/4		3/4	
8	2,367.53	8	2,013.07	8	1,656.99	8	1,299.90	8	949.94	8	596.40	8	239.15	8		8		8	
1/4	2,360.13	1/4	2,005.70	1/4	1,649.55	1/4	1,292.46	1/4	942.73	1/4	588.95	1/4	231.71	1/4		1/4		1/4	
1/2	2,352.73	1/2	1,998.32	1/2	1,642.11	1/2	1,285.02	1/2	935.53	1/2	581.51	1/2	224.26	1/2		1/2		1/2	
3/4	2,345.33	3/4	1,990.94	3/4	1,634.67	3/4	1,277.58	3/4	928.32	3/4	574.07	3/4	216.82	3/4		3/4		3/4	
9	2,337.93	9	1,983.57	9	1,627.23	9	1,270.14	9	921.11	9	566.62	9	209.38	9		9		9	
1/4	2,330.53	1/4	1,976.19	1/4	1,619.79	1/4	1,262.70	1/4	913.90	1/4	559.18	1/4	201.93	1/4		1/4		1/4	
1/2	2,323.13	1/2	1,968.81	1/2	1,612.35	1/2	1,255.26	1/2	906.69	1/2	551.74	1/2	194.49	1/2		1/2		1/2	
3/4	2,315.73	3/4	1,961.44	3/4	1,604.91	3/4	1,247.82	3/4	899.48	3/4	544.29	3/4	187.04	3/4		3/4		3/4	
10	2,308.33	10	1,954.06	10	1,597.48	10	1,240.38	10	892.27	10	536.85	10	179.60	10		10		10	
1/4	2,300.93	1/4	1,946.68	1/4	1,590.04	1/4	1,232.94	1/4	885.06	1/4	529.41	1/4	172.16	1/4		1/4		1/4	
1/2	2,293.52	1/2	1,939.31	1/2	1,582.60	1/2	1,225.51	1/2	877.85	1/2	521.96	1/2	164.71	1/2		1/2		1/2	
3/4	2,286.12	3/4	1,931.93	3/4	1,575.16	3/4	1,218.07	3/4	870.64	3/4	514.52	3/4	157.27	3/4		3/4		3/4	
11	2,278.72	11	1,924.55	11	1,567.72	11	1,210.63	11	863.43	11	507.07	11	149.82	11		11		11	
1/4	2,271.32	1/4	1,917.18	1/4	1,560.28	1/4	1,203.19	1/4	856.22	1/4	499.63	1/4	142.38	1/4		1/4		1/4	
1/2	2,263.92	1/2	1,909.80	1/2	1,552.84	1/2	1,195.75	1/2	849.01	1/2	492.19	1/2	134.93	1/2		1/2		1/2	
3/4	2,256.52	3/4	1,902.42	3/4	1,545.40	3/4	1,188.31	3/4	841.80	3/4	484.74	3/4	127.49	3/4		3/4		3/4	

STRAPPED: 03/27/2014 PMA
RECALCULATED: 07/15/2021 PMA
VERIFIED: 04/22/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2024

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 29153"

3 STBD

ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 17'-03 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30059"

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	4,313.53	0	4,095.23	0	3,876.09	0	3,656.91	0	3,331.86	0	2,974.61
1/4		1/4		1/4		1/4		1/4	4,309.00	1/4	4,090.68	1/4	3,871.52	1/4	3,652.34	1/4	3,324.43	1/4	2,967.16
1/2		1/2		1/2		1/2		1/2	4,304.48	1/2	4,086.13	1/2	3,866.95	1/2	3,647.77	1/2	3,317.01	1/2	2,959.71
3/4		3/4		3/4		3/4		3/4	4,497.99	3/4	4,299.95	3/4	4,081.56	3/4	3,862.39	3/4	3,643.21	3/4	3,309.58
1		1		1		1		1	4,496.14	1	4,295.43	1	4,077.00	1	3,857.82	1	3,638.64	1	3,302.16
1/4		1/4		1/4		1/4		1/4	4,494.29	1/4	4,290.90	1/4	4,072.44	1/4	3,853.26	1/4	3,634.07	1/4	3,294.73
1/2		1/2		1/2		1/2		1/2	4,492.45	1/2	4,286.38	1/2	4,067.87	1/2	3,848.69	1/2	3,629.51	1/2	3,287.31
3/4		3/4		3/4		3/4		3/4	4,489.78	3/4	4,281.83	3/4	4,063.31	3/4	3,844.12	3/4	3,624.94	3/4	3,279.87
2		2		2		2		2	4,487.12	2	4,277.29	2	4,058.74	2	3,839.56	2	3,620.37	2	3,272.43
1/4		1/4		1/4		1/4		1/4	4,484.46	1/4	4,272.74	1/4	4,054.17	1/4	3,834.99	1/4	3,615.81	1/4	3,264.98
1/2		1/2		1/2		1/2		1/2	4,481.79	1/2	4,268.20	1/2	4,049.61	1/2	3,830.42	1/2	3,611.24	1/2	3,257.54
3/4		3/4		3/4		3/4		3/4	4,478.06	3/4	4,263.65	3/4	4,045.04	3/4	3,825.86	3/4	3,604.51	3/4	3,250.10
3		3		3		3		3	4,474.33	3	4,259.09	3	4,040.47	3	3,821.29	3	3,597.78	3	3,242.65
1/4		1/4		1/4		1/4		1/4	4,470.60	1/4	4,254.54	1/4	4,035.91	1/4	3,816.73	1/4	3,591.05	1/4	3,235.21
1/2		1/2		1/2		1/2		1/2	4,466.87	1/2	4,249.99	1/2	4,031.34	1/2	3,812.16	1/2	3,584.33	1/2	3,227.76
3/4		3/4		3/4		3/4		3/4	4,462.48	3/4	4,245.44	3/4	4,026.78	3/4	3,807.59	3/4	3,576.89	3/4	3,220.32
4		4		4		4		4	4,458.08	4	4,240.89	4	4,022.21	4	3,803.03	4	3,569.46	4	3,212.87
1/4		1/4		1/4		1/4		1/4	4,453.69	1/4	4,236.34	1/4	4,017.64	1/4	3,798.46	1/4	3,562.03	1/4	3,205.43
1/2		1/2		1/2		1/2		1/2	4,449.30	1/2	4,231.78	1/2	4,013.08	1/2	3,793.89	1/2	3,554.60	1/2	3,197.98
3/4		3/4		3/4		3/4		3/4	4,444.77	3/4	4,227.23	3/4	4,008.51	3/4	3,789.33	3/4	3,547.18	3/4	3,190.53
5		5		5		5		5	4,440.24	5	4,222.68	5	4,003.94	5	3,784.76	5	3,539.75	5	3,183.09
1/4		1/4		1/4		1/4		1/4	4,435.71	1/4	4,218.13	1/4	3,999.38	1/4	3,780.20	1/4	3,532.33	1/4	3,175.64
1/2		1/2		1/2		1/2		1/2	4,431.19	1/2	4,213.58	1/2	3,994.81	1/2	3,775.63	1/2	3,524.90	1/2	3,168.20
3/4		3/4		3/4		3/4		3/4	4,426.66	3/4	4,209.02	3/4	3,990.25	3/4	3,771.06	3/4	3,517.48	3/4	3,160.75
6		6		6		6		6	4,422.13	6	4,204.47	6	3,985.68	6	3,766.50	6	3,510.05	6	3,153.31
1/4		1/4		1/4		1/4		1/4	4,417.61	1/4	4,199.92	1/4	3,981.11	1/4	3,761.93	1/4	3,502.63	1/4	3,145.86
1/2		1/2		1/2		1/2		1/2	4,413.08	1/2	4,195.37	1/2	3,976.55	1/2	3,757.36	1/2	3,495.20	1/2	3,138.41
3/4		3/4		3/4		3/4		3/4	4,408.55	3/4	4,190.82	3/4	3,971.98	3/4	3,752.80	3/4	3,487.78	3/4	3,130.97
7		7		7		7		7	4,404.02	7	4,186.27	7	3,967.41	7	3,748.23	7	3,480.35	7	3,123.52
1/4		1/4		1/4		1/4		1/4	4,399.50	1/4	4,181.71	1/4	3,962.85	1/4	3,743.66	1/4	3,472.93	1/4	3,116.08
1/2		1/2		1/2		1/2		1/2	4,394.97	1/2	4,177.16	1/2	3,958.28	1/2	3,739.10	1/2	3,465.50	1/2	3,108.63
3/4		3/4		3/4		3/4		3/4	4,390.44	3/4	4,172.61	3/4	3,953.71	3/4	3,734.53	3/4	3,458.08	3/4	3,101.19
8		8		8		8		8	4,385.92	8	4,168.06	8	3,949.15	8	3,729.97	8	3,450.65	8	3,093.74
1/4		1/4		1/4		1/4		1/4	4,381.39	1/4	4,163.51	1/4	3,944.58	1/4	3,725.40	1/4	3,443.23	1/4	3,086.30
1/2		1/2		1/2		1/2		1/2	4,376.87	1/2	4,158.95	1/2	3,940.02	1/2	3,720.83	1/2	3,435.80	1/2	3,078.85
3/4		3/4		3/4		3/4		3/4	4,372.34	3/4	4,154.40	3/4	3,935.45	3/4	3,716.27	3/4	3,428.38	3/4	3,071.40
9		9		9		9		9	4,367.82	9	4,149.85	9	3,930.88	9	3,711.70	9	3,420.95	9	3,063.96
1/4		1/4		1/4		1/4		1/4	4,363.29	1/4	4,145.30	1/4	3,926.32	1/4	3,707.13	1/4	3,413.53	1/4	3,056.51
1/2		1/2		1/2		1/2		1/2	4,358.77	1/2	4,140.75	1/2	3,921.75	1/2	3,702.57	1/2	3,406.10	1/2	3,049.07
3/4		3/4		3/4		3/4		3/4	4,354.25	3/4	4,136.20	3/4	3,917.18	3/4	3,698.00	3/4	3,398.68	3/4	3,041.62
10		10		10		10		10	4,349.72	10	4,131.64	10	3,912.62	10	3,693.44	10	3,391.25	10	3,034.18
1/4		1/4		1/4		1/4		1/4	4,345.20	1/4	4,127.09	1/4	3,908.05	1/4	3,688.87	1/4	3,383.83	1/4	3,026.73
1/2		1/2		1/2		1/2		1/2	4,340.67	1/2	4,122.54	1/2	3,903.49	1/2	3,684.30	1/2	3,376.40	1/2	3,019.29
3/4		3/4		3/4		3/4		3/4	4,336.15	3/4	4,117.99	3/4	3,898.92	3/4	3,679.74	3/4	3,368.98	3/4	3,011.84
11		11		11		11		11	4,331.62	11	4,113.44	11	3,894.35	11	3,675.17	11	3,361.56	11	3,004.39
1/4		1/4		1/4		1/4		1/4	4,327.10	1/4	4,108.88	1/4	3,889.79	1/4	3,670.60	1/4	3,354.13	1/4	2,996.95
1/2		1/2		1/2		1/2		1/2	4,322.57	1/2	4,104.33	1/2	3,885.22	1/2	3,666.04	1/2	3,346.71	1/2	2,989.50
3/4		3/4		3/4		3/4		3/4	4,318.05	3/4	4,099.78	3/4	3,880.65	3/4	3,661.47	3/4	3,339.28	3/4	2,982.06

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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" CLOSED 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 29153"

3 STBD

ULLAGE TABLE HERMETIC

GAUGE HEIGHT 17'-03 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30059"

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	2,617.08	0	2,259.22	0	1,901.35	0	1,543.49	0	1,185.62	0	828.30	0	470.46	0	112.60	0		0	
1/4	2,609.62	1/4	2,251.76	1/4	1,893.90	1/4	1,536.03	1/4	1,178.17	1/4	820.85	1/4	463.00	1/4	105.15	1/4		1/4	
1/2	2,602.17	1/2	2,244.30	1/2	1,886.44	1/2	1,528.58	1/2	1,170.71	1/2	813.40	1/2	455.55	1/2	97.69	1/2		1/2	
3/4	2,594.71	3/4	2,236.85	3/4	1,878.99	3/4	1,521.12	3/4	1,163.26	3/4	805.94	3/4	448.09	3/4	90.24	3/4		3/4	
1	2,587.26	1	2,229.39	1	1,871.53	1	1,513.67	1	1,155.80	1	798.49	1	440.64	1	82.78	1		1	
1/4	2,579.80	1/4	2,221.94	1/4	1,864.07	1/4	1,506.21	1/4	1,148.35	1/4	791.03	1/4	433.18	1/4	75.33	1/4		1/4	
1/2	2,572.35	1/2	2,214.48	1/2	1,856.62	1/2	1,498.75	1/2	1,140.89	1/2	783.58	1/2	425.72	1/2	67.87	1/2		1/2	
3/4	2,564.89	3/4	2,207.03	3/4	1,849.16	3/4	1,491.30	3/4	1,133.44	3/4	776.12	3/4	418.27	3/4	61.11	3/4		3/4	
2	2,557.44	2	2,199.57	2	1,841.71	2	1,483.84	2	1,125.99	2	768.67	2	410.81	2	54.36	2		2	
1/4	2,549.98	1/4	2,192.12	1/4	1,834.25	1/4	1,476.39	1/4	1,118.54	1/4	761.21	1/4	403.36	1/4	47.60	1/4		1/4	
1/2	2,542.52	1/2	2,184.66	1/2	1,826.80	1/2	1,468.93	1/2	1,111.09	1/2	753.76	1/2	395.90	1/2	40.85	1/2		1/2	
3/4	2,535.07	3/4	2,177.21	3/4	1,819.34	3/4	1,461.48	3/4	1,103.64	3/4	746.30	3/4	388.45	3/4	35.72	3/4		3/4	
3	2,527.61	3	2,169.75	3	1,811.89	3	1,454.02	3	1,096.20	3	738.85	3	380.99	3	30.59	3		3	
1/4	2,520.16	1/4	2,162.29	1/4	1,804.43	1/4	1,446.57	1/4	1,088.75	1/4	731.39	1/4	373.54	1/4	25.47	1/4		1/4	
1/2	2,512.70	1/2	2,154.84	1/2	1,796.97	1/2	1,439.11	1/2	1,081.30	1/2	723.94	1/2	366.08	1/2	20.35	1/2		1/2	
3/4	2,505.25	3/4	2,147.38	3/4	1,789.52	3/4	1,431.66	3/4	1,073.86	3/4	716.48	3/4	358.63	3/4		3/4		3/4	
4	2,497.79	4	2,139.93	4	1,782.06	4	1,424.20	4	1,066.42	4	709.03	4	351.17	4		4		4	
1/4	2,490.34	1/4	2,132.47	1/4	1,774.61	1/4	1,416.74	1/4	1,058.97	1/4	701.57	1/4	343.72	1/4		1/4		1/4	
1/2	2,482.88	1/2	2,125.02	1/2	1,767.15	1/2	1,409.29	1/2	1,051.53	1/2	694.12	1/2	336.26	1/2		1/2		1/2	
3/4	2,475.43	3/4	2,117.56	3/4	1,759.70	3/4	1,401.83	3/4	1,044.09	3/4	686.66	3/4	328.81	3/4		3/4		3/4	
5	2,467.97	5	2,110.11	5	1,752.24	5	1,394.38	5	1,036.65	5	679.20	5	321.35	5		5		5	
1/4	2,460.51	1/4	2,102.65	1/4	1,744.79	1/4	1,386.92	1/4	1,029.21	1/4	671.75	1/4	313.90	1/4		1/4		1/4	
1/2	2,453.06	1/2	2,095.19	1/2	1,737.33	1/2	1,379.47	1/2	1,021.77	1/2	664.29	1/2	306.44	1/2		1/2		1/2	
3/4	2,445.60	3/4	2,087.74	3/4	1,729.88	3/4	1,372.01	3/4	1,014.33	3/4	656.84	3/4	298.98	3/4		3/4		3/4	
6	2,438.15	6	2,080.28	6	1,722.42	6	1,364.56	6	1,006.89	6	649.38	6	291.53	6		6		6	
1/4	2,430.69	1/4	2,072.83	1/4	1,714.96	1/4	1,357.10	1/4	999.45	1/4	641.93	1/4	284.07	1/4		1/4		1/4	
1/2	2,423.24	1/2	2,065.37	1/2	1,707.51	1/2	1,349.64	1/2	992.01	1/2	634.47	1/2	276.62	1/2		1/2		1/2	
3/4	2,415.78	3/4	2,057.92	3/4	1,700.05	3/4	1,342.19	3/4	984.57	3/4	627.02	3/4	269.16	3/4		3/4		3/4	
7	2,408.33	7	2,050.46	7	1,692.60	7	1,334.73	7	977.13	7	619.56	7	261.71	7		7		7	
1/4	2,400.87	1/4	2,043.01	1/4	1,685.14	1/4	1,327.28	1/4	969.69	1/4	612.11	1/4	254.25	1/4		1/4		1/4	
1/2	2,393.41	1/2	2,035.55	1/2	1,677.69	1/2	1,319.82	1/2	962.25	1/2	604.65	1/2	246.80	1/2		1/2		1/2	
3/4	2,385.96	3/4	2,028.10	3/4	1,670.23	3/4	1,312.37	3/4	954.81	3/4	597.20	3/4	239.34	3/4		3/4		3/4	
8	2,378.50	8	2,020.64	8	1,662.78	8	1,304.91	8	947.37	8	589.74	8	231.89	8		8		8	
1/4	2,371.05	1/4	2,013.18	1/4	1,655.32	1/4	1,297.46	1/4	939.93	1/4	582.29	1/4	224.43	1/4		1/4		1/4	
1/2	2,363.59	1/2	2,005.73	1/2	1,647.86	1/2	1,290.00	1/2	932.49	1/2	574.83	1/2	216.98	1/2		1/2		1/2	
3/4	2,356.14	3/4	1,998.27	3/4	1,640.41	3/4	1,282.55	3/4	925.05	3/4	567.38	3/4	209.52	3/4		3/4		3/4	
9	2,348.68	9	1,990.82	9	1,632.95	9	1,275.09	9	917.61	9	559.92	9	202.07	9		9		9	
1/4	2,341.23	1/4	1,983.36	1/4	1,625.50	1/4	1,267.63	1/4	910.17	1/4	552.46	1/4	194.61	1/4		1/4		1/4	
1/2	2,333.77	1/2	1,975.91	1/2	1,618.04	1/2	1,260.18	1/2	902.73	1/2	545.01	1/2	187.15	1/2		1/2		1/2	
3/4	2,326.32	3/4	1,968.45	3/4	1,610.59	3/4	1,252.72	3/4	895.29	3/4	537.55	3/4	179.70	3/4		3/4		3/4	
10	2,318.86	10	1,961.00	10	1,603.13	10	1,245.27	10	887.85	10	530.10	10	172.24	10		10		10	
1/4	2,311.40	1/4	1,953.54	1/4	1,595.68	1/4	1,237.81	1/4	880.41	1/4	522.64	1/4	164.79	1/4		1/4		1/4	
1/2	2,303.95	1/2	1,946.08	1/2	1,588.22	1/2	1,230.36	1/2	872.97	1/2	515.19	1/2	157.33	1/2		1/2		1/2	
3/4	2,296.49	3/4	1,938.63	3/4	1,580.77	3/4	1,222.90	3/4	865.53	3/4	507.73	3/4	149.88	3/4		3/4		3/4	
11	2,289.04	11	1,931.17	11	1,573.31	11	1,215.45	11	858.09	11	500.28	11	142.42	11		11		11	
1/4	2,281.58	1/4	1,923.72	1/4	1,565.85	1/4	1,207.99	1/4	850.65	1/4	492.82	1/4	134.97	1/4		1/4		1/4	
1/2	2,274.13	1/2	1,916.26	1/2	1,558.40	1/2	1,200.53	1/2	843.21	1/2	485.37	1/2	127.51	1/2		1/2		1/2	
3/4	2,266.67	3/4	1,908.81	3/4	1,550.94	3/4	1,193.08	3/4	835.75	3/4	477.91	3/4	120.06	3/4		3/4		3/4	

STRAPPED: 03/27/2014 PMA
RECALCULATED: 07/15/2021 PMA
VERIFIED: 04/22/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2024

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 29153"

SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "SMI 30059"

GAUGE HEIGHT 5'-08 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	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	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	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	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	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	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	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	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	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	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	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	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	

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 TO TOP LIP OF 2" HERMETIC VALVE

STRAPPED: 03/27/2014 SW
CALCULATED: 03/27/2014 CL
VERIFIED: 04/22/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2024

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 29153"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "SMI 30059"

GAUGE HEIGHT 4'-05 1/2"

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

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

STRAPPED: 03/27/2014 SW
CALCULATED: 03/27/2014 CL
VERIFIED: 04/22/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2024

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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