



BARGE "KIRBY 29154"

ULLAGE TRIM TABLE

FORMERLY "SMI 30060"

	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"

May 7, 2024

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 29154"

1 PORT ULLAGE TABLE

HERMETIC GAUGE HEIGHT 17'-04"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30060"

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

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.

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Pearland, Texas 77588

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BARGE "KIRBY 29154"

1 PORT
ULLAGE TABLE
HERMETIC
GAUGE HEIGHT 17'-04"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30060"

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	2,569.38	0	2,211.16	0	1,852.95	0	1,494.73	0	1,136.52	0	780.47	0	423.68	0	102.43	0		0	
1/4	2,561.91	1/4	2,203.70	1/4	1,845.48	1/4	1,487.27	1/4	1,129.08	1/4	773.02	1/4	416.50	1/4	96.31	1/4		1/4	
1/2	2,554.45	1/2	2,196.24	1/2	1,838.02	1/2	1,479.81	1/2	1,121.64	1/2	765.57	1/2	409.33	1/2	90.19	1/2		1/2	
3/4	2,546.99	3/4	2,188.77	3/4	1,830.56	3/4	1,472.34	3/4	1,114.20	3/4	758.12	3/4	402.15	3/4	84.07	3/4		3/4	
1	2,539.52	1	2,181.31	1	1,823.10	1	1,464.88	1	1,106.76	1	750.67	1	394.97	1	77.95	1		1	
1/4	2,532.06	1/4	2,173.85	1/4	1,815.63	1/4	1,457.42	1/4	1,099.32	1/4	743.20	1/4	387.88	1/4	71.91	1/4		1/4	
1/2	2,524.60	1/2	2,166.38	1/2	1,808.17	1/2	1,449.96	1/2	1,091.89	1/2	735.74	1/2	380.80	1/2	65.88	1/2		1/2	
3/4	2,517.14	3/4	2,158.92	3/4	1,800.71	3/4	1,442.49	3/4	1,084.46	3/4	728.28	3/4	373.71	3/4	59.85	3/4		3/4	
2	2,509.67	2	2,151.46	2	1,793.24	2	1,435.03	2	1,077.02	2	720.82	2	366.62	2	53.82	2		2	
1/4	2,502.21	1/4	2,144.00	1/4	1,785.78	1/4	1,427.57	1/4	1,069.60	1/4	713.35	1/4	359.62	1/4	48.57	1/4		1/4	
1/2	2,494.75	1/2	2,136.53	1/2	1,778.32	1/2	1,420.10	1/2	1,062.18	1/2	705.89	1/2	352.62	1/2	43.32	1/2		1/2	
3/4	2,487.29	3/4	2,129.07	3/4	1,770.86	3/4	1,412.64	3/4	1,054.76	3/4	698.43	3/4	345.62	3/4	38.08	3/4		3/4	
3	2,479.82	3	2,121.61	3	1,763.39	3	1,405.18	3	1,047.33	3	690.97	3	338.62	3	32.83	3		3	
1/4	2,472.36	1/4	2,114.15	1/4	1,755.93	1/4	1,397.72	1/4	1,039.91	1/4	683.50	1/4	331.70	1/4	29.31	1/4		1/4	
1/2	2,464.90	1/2	2,106.68	1/2	1,748.47	1/2	1,390.25	1/2	1,032.49	1/2	676.04	1/2	324.79	1/2	25.79	1/2		1/2	
3/4	2,457.43	3/4	2,099.22	3/4	1,741.01	3/4	1,382.79	3/4	1,025.07	3/4	668.58	3/4	317.88	3/4	22.26	3/4		3/4	
4	2,449.97	4	2,091.76	4	1,733.54	4	1,375.33	4	1,017.66	4	661.12	4	310.97	4	18.74	4		4	
1/4	2,442.51	1/4	2,084.29	1/4	1,726.08	1/4	1,367.87	1/4	1,010.24	1/4	653.65	1/4	304.14	1/4		1/4		1/4	
1/2	2,435.05	1/2	2,076.83	1/2	1,718.62	1/2	1,360.40	1/2	1,002.83	1/2	646.19	1/2	297.32	1/2		1/2		1/2	
3/4	2,427.58	3/4	2,069.37	3/4	1,711.15	3/4	1,352.94	3/4	995.41	3/4	638.73	3/4	290.49	3/4		3/4		3/4	
5	2,420.12	5	2,061.91	5	1,703.69	5	1,345.48	5	988.00	5	631.27	5	283.67	5		5		5	
1/4	2,412.66	1/4	2,054.44	1/4	1,696.23	1/4	1,338.01	1/4	980.59	1/4	623.80	1/4	276.93	1/4		1/4		1/4	
1/2	2,405.19	1/2	2,046.98	1/2	1,688.77	1/2	1,330.55	1/2	973.18	1/2	616.34	1/2	270.19	1/2		1/2		1/2	
3/4	2,397.73	3/4	2,039.52	3/4	1,681.30	3/4	1,323.09	3/4	965.77	3/4	608.88	3/4	263.46	3/4		3/4		3/4	
6	2,390.27	6	2,032.05	6	1,673.84	6	1,315.63	6	958.35	6	601.42	6	256.72	6		6		6	
1/4	2,382.81	1/4	2,024.59	1/4	1,666.38	1/4	1,308.16	1/4	950.94	1/4	593.95	1/4	250.07	1/4		1/4		1/4	
1/2	2,375.34	1/2	2,017.13	1/2	1,658.91	1/2	1,300.70	1/2	943.53	1/2	586.49	1/2	243.42	1/2		1/2		1/2	
3/4	2,367.88	3/4	2,009.67	3/4	1,651.45	3/4	1,293.24	3/4	936.12	3/4	579.03	3/4	236.77	3/4		3/4		3/4	
7	2,360.42	7	2,002.20	7	1,643.99	7	1,285.77	7	928.71	7	571.57	7	230.13	7		7		7	
1/4	2,352.95	1/4	1,994.74	1/4	1,636.53	1/4	1,278.31	1/4	921.29	1/4	564.10	1/4	223.56	1/4		1/4		1/4	
1/2	2,345.49	1/2	1,987.28	1/2	1,629.06	1/2	1,270.85	1/2	913.88	1/2	556.64	1/2	217.00	1/2		1/2		1/2	
3/4	2,338.03	3/4	1,979.81	3/4	1,621.60	3/4	1,263.39	3/4	906.47	3/4	549.18	3/4	210.44	3/4		3/4		3/4	
8	2,330.57	8	1,972.35	8	1,614.14	8	1,255.92	8	899.06	8	541.72	8	203.88	8		8		8	
1/4	2,323.10	1/4	1,964.89	1/4	1,606.67	1/4	1,248.46	1/4	891.65	1/4	534.25	1/4	197.41	1/4		1/4		1/4	
1/2	2,315.64	1/2	1,957.43	1/2	1,599.21	1/2	1,241.00	1/2	884.23	1/2	526.79	1/2	190.94	1/2		1/2		1/2	
3/4	2,308.18	3/4	1,949.96	3/4	1,591.75	3/4	1,233.53	3/4	876.82	3/4	519.33	3/4	184.46	3/4		3/4		3/4	
9	2,300.72	9	1,942.50	9	1,584.29	9	1,226.07	9	869.41	9	511.87	9	177.99	9		9		9	
1/4	2,293.25	1/4	1,935.04	1/4	1,576.82	1/4	1,218.61	1/4	862.00	1/4	504.44	1/4	171.61	1/4		1/4		1/4	
1/2	2,285.79	1/2	1,927.58	1/2	1,569.36	1/2	1,211.15	1/2	854.59	1/2	497.01	1/2	165.22	1/2		1/2		1/2	
3/4	2,278.33	3/4	1,920.11	3/4	1,561.90	3/4	1,203.68	3/4	847.17	3/4	489.58	3/4	158.84	3/4		3/4		3/4	
10	2,270.86	10	1,912.65	10	1,554.44	10	1,196.22	10	839.76	10	482.15	10	152.45	10		10		10	
1/4	2,263.40	1/4	1,905.19	1/4	1,546.97	1/4	1,188.76	1/4	832.35	1/4	474.80	1/4	146.16	1/4		1/4		1/4	
1/2	2,255.94	1/2	1,897.72	1/2	1,539.51	1/2	1,181.30	1/2	824.94	1/2	467.44	1/2	139.86	1/2		1/2		1/2	
3/4	2,248.48	3/4	1,890.26	3/4	1,532.05	3/4	1,173.83	3/4	817.53	3/4	460.09	3/4	133.56	3/4		3/4		3/4	
11	2,241.01	11	1,882.80	11	1,524.58	11	1,166.37	11	810.12	11	452.74	11	127.27	11		11		11	
1/4	2,233.55	1/4	1,875.34	1/4	1,517.12	1/4	1,158.91	1/4	802.70	1/4	445.47	1/4	121.06	1/4		1/4		1/4	
1/2	2,226.09	1/2	1,867.87	1/2	1,509.66	1/2	1,151.44	1/2	795.29	1/2	438.21	1/2	114.85	1/2		1/2		1/2	
3/4	2,218.62	3/4	1,860.41	3/4	1,502.20	3/4	1,143.98	3/4	787.88	3/4	430.94	3/4	108.64	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/27/2014 PMA
RECALCULATED: 07/16/2021 PMA
VERIFIED: 05/07/2024 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2024

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



BARGE "KIRBY 29154"

1 STBD ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30060"

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	4,709.80	0	4,353.19	0	3,995.31	0	3,637.34	0	3,279.36	0	2,921.39
1/4		1/4		1/4		1/4		1/4	4,702.40	1/4	4,345.75	1/4	3,987.86	1/4	3,629.88	1/4	3,271.91	1/4	2,913.93
1/2		1/2		1/2		1/2		1/2	4,695.01	1/2	4,338.32	1/2	3,980.40	1/2	3,622.42	1/2	3,264.45	1/2	2,906.47
3/4		3/4		3/4		3/4		3/4	4,687.61	3/4	4,330.88	3/4	3,972.94	3/4	3,614.97	3/4	3,256.99	3/4	2,899.02
1		1		1		1	5,015.36	1	4,680.21	1	4,323.43	1	3,965.48	1	3,607.51	1	3,249.53	1	2,891.56
1/4		1/4		1/4		1/4	5,010.89	1/4	4,672.82	1/4	4,315.98	1/4	3,958.02	1/4	3,600.05	1/4	3,242.08	1/4	2,884.09
1/2		1/2		1/2		1/2	5,006.42	1/2	4,665.42	1/2	4,308.53	1/2	3,950.57	1/2	3,592.59	1/2	3,234.62	1/2	2,876.63
3/4		3/4		3/4		3/4	5,001.95	3/4	4,658.03	3/4	4,301.08	3/4	3,943.11	3/4	3,585.13	3/4	3,227.16	3/4	2,869.17
2		2		2		2	4,996.42	2	4,650.60	2	4,293.63	2	3,935.65	2	3,577.68	2	3,219.70	2	2,861.71
1/4		1/4		1/4		1/4	4,990.88	1/4	4,643.17	1/4	4,286.17	1/4	3,928.19	1/4	3,570.22	1/4	3,212.24	1/4	2,854.25
1/2		1/2		1/2		1/2	4,985.35	1/2	4,635.75	1/2	4,278.71	1/2	3,920.74	1/2	3,562.76	1/2	3,204.79	1/2	2,846.78
3/4		3/4		3/4		3/4	4,979.81	3/4	4,628.32	3/4	4,271.25	3/4	3,913.28	3/4	3,555.30	3/4	3,197.33	3/4	2,839.32
3		3		3		3	4,973.21	3	4,620.89	3	4,263.79	3	3,905.82	3	3,547.85	3	3,189.87	3	2,831.86
1/4		1/4		1/4		1/4	4,966.61	1/4	4,613.45	1/4	4,256.34	1/4	3,898.36	1/4	3,540.39	1/4	3,182.41	1/4	2,824.40
1/2		1/2		1/2		1/2	4,960.01	1/2	4,606.02	1/2	4,248.88	1/2	3,890.90	1/2	3,532.93	1/2	3,174.96	1/2	2,816.94
3/4		3/4		3/4		3/4	4,953.41	3/4	4,598.58	3/4	4,241.42	3/4	3,883.45	3/4	3,525.47	3/4	3,167.50	3/4	2,809.48
4		4		4		4	4,946.15	4	4,591.14	4	4,233.96	4	3,875.99	4	3,518.01	4	3,160.04	4	2,802.01
1/4		1/4		1/4		1/4	4,938.88	1/4	4,583.71	1/4	4,226.50	1/4	3,868.53	1/4	3,510.56	1/4	3,152.58	1/4	2,794.55
1/2		1/2		1/2		1/2	4,931.61	1/2	4,576.27	1/2	4,219.05	1/2	3,861.07	1/2	3,503.10	1/2	3,145.12	1/2	2,787.09
3/4		3/4		3/4		3/4	4,924.35	3/4	4,568.83	3/4	4,211.59	3/4	3,853.61	3/4	3,495.64	3/4	3,137.67	3/4	2,779.63
5		5		5		5	4,916.95	5	4,561.40	5	4,204.13	5	3,846.16	5	3,488.18	5	3,130.21	5	2,772.17
1/4		1/4		1/4		1/4	4,909.55	1/4	4,553.96	1/4	4,196.67	1/4	3,838.70	1/4	3,480.72	1/4	3,122.75	1/4	2,764.70
1/2		1/2		1/2		1/2	4,902.15	1/2	4,546.53	1/2	4,189.22	1/2	3,831.24	1/2	3,473.27	1/2	3,115.29	1/2	2,757.24
3/4		3/4		3/4		3/4	4,894.74	3/4	4,539.09	3/4	4,181.76	3/4	3,823.78	3/4	3,465.81	3/4	3,107.83	3/4	2,749.78
6		6		6		6	4,887.34	6	4,531.65	6	4,174.30	6	3,816.33	6	3,458.35	6	3,100.38	6	2,742.32
1/4		1/4		1/4		1/4	4,879.94	1/4	4,524.22	1/4	4,166.84	1/4	3,808.87	1/4	3,450.89	1/4	3,092.92	1/4	2,734.86
1/2		1/2		1/2		1/2	4,872.54	1/2	4,516.78	1/2	4,159.38	1/2	3,801.41	1/2	3,443.44	1/2	3,085.46	1/2	2,727.40
3/4		3/4		3/4		3/4	4,865.14	3/4	4,509.35	3/4	4,151.93	3/4	3,793.95	3/4	3,435.98	3/4	3,078.00	3/4	2,719.93
7		7		7		7	4,857.74	7	4,501.91	7	4,144.47	7	3,786.49	7	3,428.52	7	3,070.55	7	2,712.47
1/4		1/4		1/4		1/4	4,850.34	1/4	4,494.47	1/4	4,137.01	1/4	3,779.04	1/4	3,421.06	1/4	3,063.09	1/4	2,705.01
1/2		1/2		1/2		1/2	4,842.94	1/2	4,487.04	1/2	4,129.55	1/2	3,771.58	1/2	3,413.60	1/2	3,055.63	1/2	2,697.55
3/4		3/4		3/4		3/4	4,835.54	3/4	4,479.60	3/4	4,122.10	3/4	3,764.12	3/4	3,406.15	3/4	3,048.17	3/4	2,690.09
8		8		8		8	4,828.14	8	4,472.17	8	4,114.64	8	3,756.66	8	3,398.69	8	3,040.71	8	2,682.62
1/4		1/4		1/4		1/4	4,820.75	1/4	4,464.73	1/4	4,107.18	1/4	3,749.21	1/4	3,391.23	1/4	3,033.26	1/4	2,675.16
1/2		1/2		1/2		1/2	4,813.35	1/2	4,457.29	1/2	4,099.72	1/2	3,741.75	1/2	3,383.77	1/2	3,025.80	1/2	2,667.70
3/4		3/4		3/4		3/4	4,805.95	3/4	4,449.86	3/4	4,092.26	3/4	3,734.29	3/4	3,376.32	3/4	3,018.34	3/4	2,660.24
9		9		9		9	4,798.55	9	4,442.42	9	4,084.81	9	3,726.83	9	3,368.86	9	3,010.88	9	2,652.78
1/4		1/4		1/4		1/4	4,791.16	1/4	4,434.99	1/4	4,077.35	1/4	3,719.37	1/4	3,361.40	1/4	3,003.43	1/4	2,645.32
1/2		1/2		1/2		1/2	4,783.76	1/2	4,427.55	1/2	4,069.89	1/2	3,711.92	1/2	3,353.94	1/2	2,995.97	1/2	2,637.85
3/4		3/4		3/4		3/4	4,776.37	3/4	4,420.11	3/4	4,062.43	3/4	3,704.46	3/4	3,346.48	3/4	2,988.51	3/4	2,630.39
10		10		10		10	4,768.97	10	4,412.68	10	4,054.98	10	3,697.00	10	3,339.03	10	2,981.05	10	2,622.93
1/4		1/4		1/4		1/4	4,761.57	1/4	4,405.24	1/4	4,047.52	1/4	3,689.54	1/4	3,331.57	1/4	2,973.59	1/4	2,615.47
1/2		1/2		1/2		1/2	4,754.18	1/2	4,397.80	1/2	4,040.06	1/2	3,682.09	1/2	3,324.11	1/2	2,966.14	1/2	2,608.01
3/4		3/4		3/4		3/4	4,746.78	3/4	4,390.37	3/4	4,032.60	3/4	3,674.63	3/4	3,316.65	3/4	2,958.68	3/4	2,600.54
11		11		11		11	4,739.38	11	4,382.93	11	4,025.14	11	3,667.17	11	3,309.20	11	2,951.22	11	2,593.08
1/4		1/4		1/4		1/4	4,731.99	1/4	4,375.50	1/4	4,017.69	1/4	3,659.71	1/4	3,301.74	1/4	2,943.76	1/4	2,585.62
1/2		1/2		1/2		1/2	4,724.59	1/2	4,368.06	1/2	4,010.23	1/2	3,652.25	1/2	3,294.28	1/2	2,936.31	1/2	2,578.16
3/4		3/4		3/4		3/4	4,717.20	3/4	4,360.62	3/4	4,002.77	3/4	3,644.80	3/4	3,286.82	3/4	2,928.85	3/4	2,570.70

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 29154"

1 STBD

ULLAGE TABLE
HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30060"

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	2,563.24	0	2,205.07	0	1,846.90	0	1,488.74	0	1,130.57	0	772.89	0	416.46	0	96.30	0		0	
1/4	2,555.77	1/4	2,197.61	1/4	1,839.44	1/4	1,481.27	1/4	1,123.11	1/4	765.43	1/4	409.28	1/4	90.18	1/4		1/4	
1/2	2,548.31	1/2	2,190.15	1/2	1,831.98	1/2	1,473.81	1/2	1,115.65	1/2	757.97	1/2	402.10	1/2	84.06	1/2		1/2	
3/4	2,540.85	3/4	2,182.68	3/4	1,824.52	3/4	1,466.35	3/4	1,108.18	3/4	750.52	3/4	394.93	3/4	77.94	3/4		3/4	
1	2,533.39	1	2,175.22	1	1,817.06	1	1,458.89	1	1,100.72	1	743.05	1	387.84	1	71.91	1		1	
1/4	2,525.93	1/4	2,167.76	1/4	1,809.59	1/4	1,451.43	1/4	1,093.26	1/4	735.59	1/4	380.75	1/4	65.88	1/4		1/4	
1/2	2,518.47	1/2	2,160.30	1/2	1,802.13	1/2	1,443.97	1/2	1,085.80	1/2	728.13	1/2	373.67	1/2	59.84	1/2		1/2	
3/4	2,511.00	3/4	2,152.84	3/4	1,794.67	3/4	1,436.50	3/4	1,078.34	3/4	720.67	3/4	366.58	3/4	53.81	3/4		3/4	
2	2,503.54	2	2,145.38	2	1,787.21	2	1,429.04	2	1,070.88	2	713.21	2	359.58	2	48.57	2		2	
1/4	2,496.08	1/4	2,137.91	1/4	1,779.75	1/4	1,421.58	1/4	1,063.42	1/4	705.75	1/4	352.58	1/4	43.32	1/4		1/4	
1/2	2,488.62	1/2	2,130.45	1/2	1,772.29	1/2	1,414.12	1/2	1,055.97	1/2	698.29	1/2	345.58	1/2	38.08	1/2		1/2	
3/4	2,481.16	3/4	2,122.99	3/4	1,764.82	3/4	1,406.66	3/4	1,048.51	3/4	690.82	3/4	338.58	3/4	32.83	3/4		3/4	
3	2,473.69	3	2,115.53	3	1,757.36	3	1,399.20	3	1,041.06	3	683.36	3	331.67	3	29.31	3		3	
1/4	2,466.23	1/4	2,108.07	1/4	1,749.90	1/4	1,391.73	1/4	1,033.60	1/4	675.90	1/4	324.76	1/4	25.79	1/4		1/4	
1/2	2,458.77	1/2	2,100.60	1/2	1,742.44	1/2	1,384.27	1/2	1,026.14	1/2	668.44	1/2	317.84	1/2	22.26	1/2		1/2	
3/4	2,451.31	3/4	2,093.14	3/4	1,734.98	3/4	1,376.81	3/4	1,018.69	3/4	660.98	3/4	310.93	3/4	18.74	3/4		3/4	
4	2,443.85	4	2,085.68	4	1,727.51	4	1,369.35	4	1,011.24	4	653.52	4	304.11	4		4		4	
1/4	2,436.39	1/4	2,078.22	1/4	1,720.05	1/4	1,361.89	1/4	1,003.79	1/4	646.06	1/4	297.28	1/4		1/4		1/4	
1/2	2,428.92	1/2	2,070.76	1/2	1,712.59	1/2	1,354.42	1/2	996.34	1/2	638.59	1/2	290.46	1/2		1/2		1/2	
3/4	2,421.46	3/4	2,063.30	3/4	1,705.13	3/4	1,346.96	3/4	988.89	3/4	631.13	3/4	283.64	3/4		3/4		3/4	
5	2,414.00	5	2,055.83	5	1,697.67	5	1,339.50	5	981.44	5	623.67	5	276.90	5	5	5		5	
1/4	2,406.54	1/4	2,048.37	1/4	1,690.21	1/4	1,332.04	1/4	973.99	1/4	616.21	1/4	270.16	1/4		1/4		1/4	
1/2	2,399.08	1/2	2,040.91	1/2	1,682.74	1/2	1,324.58	1/2	966.55	1/2	608.75	1/2	263.43	1/2		1/2		1/2	
3/4	2,391.61	3/4	2,033.45	3/4	1,675.28	3/4	1,317.12	3/4	959.10	3/4	601.29	3/4	256.69	3/4		3/4		3/4	
6	2,384.15	6	2,025.99	6	1,667.82	6	1,309.65	6	951.65	6	593.82	6	250.04	6	6	6		6	
1/4	2,376.69	1/4	2,018.52	1/4	1,660.36	1/4	1,302.19	1/4	944.20	1/4	586.36	1/4	243.40	1/4		1/4		1/4	
1/2	2,369.23	1/2	2,011.06	1/2	1,652.90	1/2	1,294.73	1/2	936.76	1/2	578.90	1/2	236.75	1/2		1/2		1/2	
3/4	2,361.77	3/4	2,003.60	3/4	1,645.43	3/4	1,287.27	3/4	929.31	3/4	571.44	3/4	230.10	3/4		3/4		3/4	
7	2,354.31	7	1,996.14	7	1,637.97	7	1,279.81	7	921.86	7	563.98	7	223.54	7	7	7		7	
1/4	2,346.84	1/4	1,988.68	1/4	1,630.51	1/4	1,272.34	1/4	914.41	1/4	556.53	1/4	216.98	1/4		1/4		1/4	
1/2	2,339.38	1/2	1,981.22	1/2	1,623.05	1/2	1,264.88	1/2	906.96	1/2	549.07	1/2	210.42	1/2		1/2		1/2	
3/4	2,331.92	3/4	1,973.75	3/4	1,615.59	3/4	1,257.42	3/4	899.52	3/4	541.62	3/4	203.86	3/4		3/4		3/4	
8	2,324.46	8	1,966.29	8	1,608.13	8	1,249.96	8	892.07	8	534.16	8	197.39	8	8	8		8	
1/4	2,317.00	1/4	1,958.83	1/4	1,600.66	1/4	1,242.50	1/4	884.62	1/4	526.71	1/4	190.92	1/4		1/4		1/4	
1/2	2,309.53	1/2	1,951.37	1/2	1,593.20	1/2	1,235.04	1/2	877.17	1/2	519.25	1/2	184.45	1/2		1/2		1/2	
3/4	2,302.07	3/4	1,943.91	3/4	1,585.74	3/4	1,227.57	3/4	869.72	3/4	511.80	3/4	177.97	3/4		3/4		3/4	
9	2,294.61	9	1,936.44	9	1,578.28	9	1,220.11	9	862.28	9	504.37	9	171.59	9	9	9		9	
1/4	2,287.15	1/4	1,928.98	1/4	1,570.82	1/4	1,212.65	1/4	854.83	1/4	496.95	1/4	165.21	1/4		1/4		1/4	
1/2	2,279.69	1/2	1,921.52	1/2	1,563.35	1/2	1,205.19	1/2	847.38	1/2	489.52	1/2	158.82	1/2		1/2		1/2	
3/4	2,272.23	3/4	1,914.06	3/4	1,555.89	3/4	1,197.73	3/4	839.93	3/4	482.09	3/4	152.44	3/4		3/4		3/4	
10	2,264.76	10	1,906.60	10	1,548.43	10	1,190.26	10	832.48	10	474.74	10	146.14	10	10	10		10	
1/4	2,257.30	1/4	1,899.14	1/4	1,540.97	1/4	1,182.80	1/4	825.04	1/4	467.39	1/4	139.85	1/4		1/4		1/4	
1/2	2,249.84	1/2	1,891.67	1/2	1,533.51	1/2	1,175.34	1/2	817.59	1/2	460.04	1/2	133.55	1/2		1/2		1/2	
3/4	2,242.38	3/4	1,884.21	3/4	1,526.05	3/4	1,167.88	3/4	810.14	3/4	452.69	3/4	127.25	3/4		3/4		3/4	
11	2,234.92	11	1,876.75	11	1,518.58	11	1,160.42	11	802.69	11	445.42	11	121.05	11	11	11		11	
1/4	2,227.45	1/4	1,869.29	1/4	1,511.12	1/4	1,152.96	1/4	795.25	1/4	438.16	1/4	114.84	1/4		1/4		1/4	
1/2	2,219.99	1/2	1,861.83	1/2	1,503.66	1/2	1,145.49	1/2	787.80	1/2	430.90	1/2	108.63	1/2		1/2		1/2	
3/4	2,212.53	3/4	1,854.36	3/4	1,496.20	3/4	1,138.03	3/4	780.35	3/4	423.63	3/4	102.42	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/27/2014 PMA
RECALCULATED: 07/16/2021 PMA
VERIFIED: 05/07/2024 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2024

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



BARGE "KIRBY 29154"

2 PORT ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30060"

GAUGE HEIGHT 17'-03 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		0		0	4,763.74	0	4,406.21	0	4,047.44	0	3,688.59	0	3,329.74	0	2,970.89
1/4		1/4		1/4		1/4		1/4	4,756.32	1/4	4,398.76	1/4	4,039.96	1/4	3,681.11	1/4	3,322.27	1/4	2,963.41
1/2		1/2		1/2		1/2		1/2	4,748.91	1/2	4,391.30	1/2	4,032.49	1/2	3,673.64	1/2	3,314.79	1/2	2,955.94
3/4		3/4		3/4		3/4	5,077.46	3/4	4,741.49	3/4	4,383.84	3/4	4,025.01	3/4	3,666.16	3/4	3,307.31	3/4	2,948.46
1		1		1		1	5,072.98	1	4,734.08	1	4,376.37	1	4,017.53	1	3,658.69	1	3,299.84	1	2,940.98
1/4		1/4		1/4		1/4	5,068.50	1/4	4,726.66	1/4	4,368.90	1/4	4,010.06	1/4	3,651.21	1/4	3,292.36	1/4	2,933.50
1/2		1/2		1/2		1/2	5,064.02	1/2	4,719.25	1/2	4,361.43	1/2	4,002.58	1/2	3,643.73	1/2	3,284.89	1/2	2,926.02
3/4		3/4		3/4		3/4	5,058.47	3/4	4,711.81	3/4	4,353.95	3/4	3,995.11	3/4	3,636.26	3/4	3,277.41	3/4	2,918.54
2		2		2		2	5,052.92	2	4,704.36	2	4,346.48	2	3,987.63	2	3,628.78	2	3,269.93	2	2,911.06
1/4		1/4		1/4		1/4	5,047.37	1/4	4,696.92	1/4	4,339.00	1/4	3,980.15	1/4	3,621.31	1/4	3,262.46	1/4	2,903.58
1/2		1/2		1/2		1/2	5,041.83	1/2	4,689.48	1/2	4,331.53	1/2	3,972.68	1/2	3,613.83	1/2	3,254.98	1/2	2,896.10
3/4		3/4		3/4		3/4	5,035.21	3/4	4,682.02	3/4	4,324.05	3/4	3,965.20	3/4	3,606.35	3/4	3,247.51	3/4	2,888.62
3		3		3		3	5,028.59	3	4,674.57	3	4,316.57	3	3,957.73	3	3,598.88	3	3,240.03	3	2,881.14
1/4		1/4		1/4		1/4	5,021.98	1/4	4,667.11	1/4	4,309.10	1/4	3,950.25	1/4	3,591.40	1/4	3,232.55	1/4	2,873.66
1/2		1/2		1/2		1/2	5,015.36	1/2	4,659.66	1/2	4,301.62	1/2	3,942.77	1/2	3,583.93	1/2	3,225.08	1/2	2,866.18
3/4		3/4		3/4		3/4	5,008.08	3/4	4,652.20	3/4	4,294.15	3/4	3,935.30	3/4	3,576.45	3/4	3,217.60	3/4	2,858.70
4		4		4		4	5,000.79	4	4,644.75	4	4,286.67	4	3,927.82	4	3,568.97	4	3,210.13	4	2,851.22
1/4		1/4		1/4		1/4	4,993.51	1/4	4,637.30	1/4	4,279.19	1/4	3,920.35	1/4	3,561.50	1/4	3,202.65	1/4	2,843.74
1/2		1/2		1/2		1/2	4,986.22	1/2	4,629.84	1/2	4,271.72	1/2	3,912.87	1/2	3,554.02	1/2	3,195.17	1/2	2,836.26
3/4		3/4		3/4		3/4	4,978.81	3/4	4,622.39	3/4	4,264.24	3/4	3,905.39	3/4	3,546.55	3/4	3,187.70	3/4	2,828.78
5		5		5		5	4,971.39	5	4,614.93	5	4,256.77	5	3,897.92	5	3,539.07	5	3,180.22	5	2,821.30
1/4		1/4		1/4		1/4	4,963.97	1/4	4,607.48	1/4	4,249.29	1/4	3,890.44	1/4	3,531.59	1/4	3,172.75	1/4	2,813.82
1/2		1/2		1/2		1/2	4,956.55	1/2	4,600.02	1/2	4,241.81	1/2	3,882.97	1/2	3,524.12	1/2	3,165.27	1/2	2,806.34
3/4		3/4		3/4		3/4	4,949.13	3/4	4,592.57	3/4	4,234.34	3/4	3,875.49	3/4	3,516.64	3/4	3,157.79	3/4	2,798.86
6		6		6		6	4,941.71	6	4,585.12	6	4,226.86	6	3,868.01	6	3,509.17	6	3,150.32	6	2,791.38
1/4		1/4		1/4		1/4	4,934.30	1/4	4,577.66	1/4	4,219.39	1/4	3,860.54	1/4	3,501.69	1/4	3,142.84	1/4	2,783.90
1/2		1/2		1/2		1/2	4,926.88	1/2	4,570.21	1/2	4,211.91	1/2	3,853.06	1/2	3,494.21	1/2	3,135.37	1/2	2,776.42
3/4		3/4		3/4		3/4	4,919.46	3/4	4,562.75	3/4	4,204.43	3/4	3,845.59	3/4	3,486.74	3/4	3,127.89	3/4	2,768.94
7		7		7		7	4,912.04	7	4,555.30	7	4,196.96	7	3,838.11	7	3,479.26	7	3,120.41	7	2,761.46
1/4		1/4		1/4		1/4	4,904.62	1/4	4,547.84	1/4	4,189.48	1/4	3,830.63	1/4	3,471.79	1/4	3,112.94	1/4	2,753.98
1/2		1/2		1/2		1/2	4,897.20	1/2	4,540.39	1/2	4,182.01	1/2	3,823.16	1/2	3,464.31	1/2	3,105.46	1/2	2,746.50
3/4		3/4		3/4		3/4	4,889.79	3/4	4,532.94	3/4	4,174.53	3/4	3,815.68	3/4	3,456.83	3/4	3,097.99	3/4	2,739.02
8		8		8		8	4,882.37	8	4,525.48	8	4,167.05	8	3,808.21	8	3,449.36	8	3,090.51	8	2,731.54
1/4		1/4		1/4		1/4	4,874.96	1/4	4,518.03	1/4	4,159.58	1/4	3,800.73	1/4	3,441.88	1/4	3,083.03	1/4	2,724.06
1/2		1/2		1/2		1/2	4,867.54	1/2	4,510.57	1/2	4,152.10	1/2	3,793.25	1/2	3,434.41	1/2	3,075.56	1/2	2,716.58
3/4		3/4		3/4		3/4	4,860.13	3/4	4,503.12	3/4	4,144.63	3/4	3,785.78	3/4	3,426.93	3/4	3,068.08	3/4	2,709.10
9		9		9		9	4,852.71	9	4,495.66	9	4,137.15	9	3,778.30	9	3,419.45	9	3,060.61	9	2,701.62
1/4		1/4		1/4		1/4	4,845.30	1/4	4,488.21	1/4	4,129.67	1/4	3,770.83	1/4	3,411.98	1/4	3,053.13	1/4	2,694.14
1/2		1/2		1/2		1/2	4,837.88	1/2	4,480.76	1/2	4,122.20	1/2	3,763.35	1/2	3,404.50	1/2	3,045.65	1/2	2,686.66
3/4		3/4		3/4		3/4	4,830.47	3/4	4,473.30	3/4	4,114.72	3/4	3,755.87	3/4	3,397.03	3/4	3,038.18	3/4	2,679.18
10		10		10		10	4,823.05	10	4,465.85	10	4,107.25	10	3,748.40	10	3,389.55	10	3,030.70	10	2,671.70
1/4		1/4		1/4		1/4	4,815.64	1/4	4,458.39	1/4	4,099.77	1/4	3,740.92	1/4	3,382.07	1/4	3,023.23	1/4	2,664.22
1/2		1/2		1/2		1/2	4,808.22	1/2	4,450.94	1/2	4,092.29	1/2	3,733.45	1/2	3,374.60	1/2	3,015.75	1/2	2,656.74
3/4		3/4		3/4		3/4	4,800.81	3/4	4,443.48	3/4	4,084.82	3/4	3,725.97	3/4	3,367.12	3/4	3,008.27	3/4	2,649.26
11		11		11		11	4,793.40	11	4,436.03	11	4,077.34	11	3,718.49	11	3,359.65	11	3,000.80	11	2,641.78
1/4		1/4		1/4		1/4	4,785.98	1/4	4,428.58	1/4	4,069.87	1/4	3,711.02	1/4	3,352.17	1/4	2,993.32	1/4	2,634.30
1/2		1/2		1/2		1/2	4,778.57	1/2	4,421.12	1/2	4,062.39	1/2	3,703.54	1/2	3,344.69	1/2	2,985.85	1/2	2,626.82
3/4		3/4		3/4		3/4	4,771.15	3/4	4,413.67	3/4	4,054.91	3/4	3,696.07	3/4	3,337.22	3/4	2,978.37	3/4	2,619.34

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 29154"

2 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30060"

GAUGE HEIGHT 17'-03 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,611.86	0	2,252.82	0	1,893.78	0	1,534.74	0	1,176.12	0	830.88	0	472.00	0	112.97	0		0	
1/4	2,604.38	1/4	2,245.34	1/4	1,886.30	1/4	1,527.26	1/4	1,168.85	1/4	823.47	1/4	464.52	1/4	105.49	1/4		1/4	
1/2	2,596.90	1/2	2,237.86	1/2	1,878.82	1/2	1,519.78	1/2	1,161.58	1/2	816.07	1/2	457.04	1/2	98.01	1/2		1/2	
3/4	2,589.42	3/4	2,230.38	3/4	1,871.34	3/4	1,512.30	3/4	1,154.39	3/4	808.59	3/4	449.56	3/4	90.53	3/4		3/4	
1	2,581.94	1	2,222.90	1	1,863.86	1	1,504.82	1	1,147.19	1	801.11	1	442.08	1	83.05	1		1	
1/4	2,574.46	1/4	2,215.42	1/4	1,856.38	1/4	1,497.34	1/4	1,139.99	1/4	793.63	1/4	434.60	1/4	75.57	1/4		1/4	
1/2	2,566.98	1/2	2,207.94	1/2	1,848.90	1/2	1,489.86	1/2	1,132.80	1/2	786.15	1/2	427.12	1/2	68.09	1/2		1/2	
3/4	2,559.50	3/4	2,200.46	3/4	1,841.42	3/4	1,482.38	3/4	1,125.61	3/4	778.67	3/4	419.64	3/4	61.31	3/4		3/4	
2	2,552.02	2	2,192.98	2	1,833.94	2	1,474.90	2	1,118.42	2	771.19	2	412.16	2	54.53	2		2	
1/4	2,544.54	1/4	2,185.50	1/4	1,826.46	1/4	1,467.42	1/4	1,111.24	1/4	763.71	1/4	404.68	1/4	47.76	1/4		1/4	
1/2	2,537.06	1/2	2,178.02	1/2	1,818.98	1/2	1,459.94	1/2	1,104.05	1/2	756.23	1/2	397.20	1/2	40.98	1/2		1/2	
3/4	2,529.58	3/4	2,170.54	3/4	1,811.50	3/4	1,452.46	3/4	1,096.87	3/4	748.75	3/4	389.72	3/4	35.84	3/4		3/4	
3	2,522.10	3	2,163.06	3	1,804.02	3	1,444.98	3	1,089.68	3	741.27	3	382.24	3	30.69	3		3	
1/4	2,514.62	1/4	2,155.58	1/4	1,796.54	1/4	1,437.50	1/4	1,082.50	1/4	733.79	1/4	374.76	1/4	25.55	1/4		1/4	
1/2	2,507.14	1/2	2,148.10	1/2	1,789.06	1/2	1,430.02	1/2	1,075.32	1/2	726.31	1/2	367.28	1/2	20.41	1/2		1/2	
3/4	2,499.66	3/4	2,140.62	3/4	1,781.58	3/4	1,422.54	3/4	1,068.14	3/4	718.83	3/4	359.80	3/4		3/4		3/4	
4	2,492.18	4	2,133.14	4	1,774.10	4	1,415.06	4	1,060.96	4	711.35	4	352.32	4		4		4	
1/4	2,484.70	1/4	2,125.66	1/4	1,766.62	1/4	1,407.58	1/4	1,053.78	1/4	703.87	1/4	344.84	1/4		1/4		1/4	
1/2	2,477.22	1/2	2,118.18	1/2	1,759.14	1/2	1,400.10	1/2	1,046.61	1/2	696.39	1/2	337.36	1/2		1/2		1/2	
3/4	2,469.74	3/4	2,110.70	3/4	1,751.66	3/4	1,392.62	3/4	1,039.43	3/4	688.91	3/4	329.88	3/4		3/4		3/4	
5	2,462.26	5	2,103.22	5	1,744.18	5	1,385.14	5	1,032.26	5	681.43	5	322.40	5		5		5	
1/4	2,454.78	1/4	2,095.74	1/4	1,736.70	1/4	1,377.66	1/4	1,025.08	1/4	673.96	1/4	314.92	1/4		1/4		1/4	
1/2	2,447.30	1/2	2,088.26	1/2	1,729.22	1/2	1,370.18	1/2	1,017.90	1/2	666.48	1/2	307.44	1/2		1/2		1/2	
3/4	2,439.82	3/4	2,080.78	3/4	1,721.74	3/4	1,362.70	3/4	1,010.73	3/4	659.00	3/4	299.97	3/4		3/4		3/4	
6	2,432.34	6	2,073.30	6	1,714.26	6	1,355.22	6	1,003.55	6	651.52	6	292.49	6		6		6	
1/4	2,424.86	1/4	2,065.82	1/4	1,706.78	1/4	1,347.74	1/4	996.38	1/4	644.04	1/4	285.01	1/4		1/4		1/4	
1/2	2,417.38	1/2	2,058.34	1/2	1,699.30	1/2	1,340.26	1/2	989.20	1/2	636.56	1/2	277.53	1/2		1/2		1/2	
3/4	2,409.90	3/4	2,050.86	3/4	1,691.82	3/4	1,332.78	3/4	982.02	3/4	629.08	3/4	270.05	3/4		3/4		3/4	
7	2,402.42	7	2,043.38	7	1,684.34	7	1,325.30	7	974.85	7	621.60	7	262.57	7		7		7	
1/4	2,394.94	1/4	2,035.90	1/4	1,676.86	1/4	1,317.82	1/4	967.67	1/4	614.12	1/4	255.09	1/4		1/4		1/4	
1/2	2,387.46	1/2	2,028.42	1/2	1,669.38	1/2	1,310.34	1/2	960.50	1/2	606.64	1/2	247.61	1/2		1/2		1/2	
3/4	2,379.98	3/4	2,020.94	3/4	1,661.90	3/4	1,302.86	3/4	953.32	3/4	599.16	3/4	240.13	3/4		3/4		3/4	
8	2,372.50	8	2,013.46	8	1,654.42	8	1,295.38	8	946.14	8	591.68	8	232.65	8		8		8	
1/4	2,365.02	1/4	2,005.98	1/4	1,646.94	1/4	1,287.90	1/4	938.97	1/4	584.20	1/4	225.17	1/4		1/4		1/4	
1/2	2,357.54	1/2	1,998.50	1/2	1,639.46	1/2	1,280.42	1/2	931.79	1/2	576.72	1/2	217.69	1/2		1/2		1/2	
3/4	2,350.06	3/4	1,991.02	3/4	1,631.98	3/4	1,272.94	3/4	924.62	3/4	569.24	3/4	210.21	3/4		3/4		3/4	
9	2,342.58	9	1,983.54	9	1,624.50	9	1,265.46	9	917.44	9	561.76	9	202.73	9		9		9	
1/4	2,335.10	1/4	1,976.06	1/4	1,617.02	1/4	1,257.98	1/4	910.26	1/4	554.28	1/4	195.25	1/4		1/4		1/4	
1/2	2,327.62	1/2	1,968.58	1/2	1,609.54	1/2	1,250.50	1/2	903.09	1/2	546.80	1/2	187.77	1/2		1/2		1/2	
3/4	2,320.14	3/4	1,961.10	3/4	1,602.06	3/4	1,243.02	3/4	895.91	3/4	539.32	3/4	180.29	3/4		3/4		3/4	
10	2,312.66	10	1,953.62	10	1,594.58	10	1,235.54	10	888.74	10	531.84	10	172.81	10		10		10	
1/4	2,305.18	1/4	1,946.14	1/4	1,587.10	1/4	1,228.06	1/4	881.56	1/4	524.36	1/4	165.33	1/4		1/4		1/4	
1/2	2,297.70	1/2	1,938.66	1/2	1,579.62	1/2	1,220.58	1/2	874.39	1/2	516.88	1/2	157.85	1/2		1/2		1/2	
3/4	2,290.22	3/4	1,931.18	3/4	1,572.14	3/4	1,213.10	3/4	867.21	3/4	509.40	3/4	150.37	3/4		3/4		3/4	
11	2,282.74	11	1,923.70	11	1,564.66	11	1,205.62	11	860.03	11	501.92	11	142.89	11		11		11	
1/4	2,275.26	1/4	1,916.22	1/4	1,557.18	1/4	1,198.14	1/4	852.86	1/4	494.44	1/4	135.41	1/4		1/4		1/4	
1/2	2,267.78	1/2	1,908.74	1/2	1,549.70	1/2	1,190.66	1/2	845.68	1/2	486.96	1/2	127.93	1/2		1/2		1/2	
3/4	2,260.30	3/4	1,901.26	3/4	1,542.22	3/4	1,183.39	3/4	838.28	3/4	479.48	3/4	120.45	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/27/2014 PMA
RECALCULATED: 07/16/2021 PMA
VERIFIED: 05/07/2024 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2024

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



BARGE "KIRBY 29154"

2 STBD ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30060"

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	4,788.55	0	4,430.80	0	4,071.78	0	3,712.68	0	3,353.57	0	2,994.46
1/4		1/4		1/4		1/4		1/4	4,781.13	1/4	4,423.34	1/4	4,064.30	1/4	3,705.19	1/4	3,346.09	1/4	2,986.97
1/2		1/2		1/2		1/2		1/2	4,773.71	1/2	4,415.88	1/2	4,056.82	1/2	3,697.71	1/2	3,338.61	1/2	2,979.49
3/4		3/4		3/4		3/4		3/4	4,766.29	3/4	4,408.42	3/4	4,049.34	3/4	3,690.23	3/4	3,331.12	3/4	2,972.00
1		1		1		1	5,095.09	1	4,758.87	1	4,400.95	1	4,041.86	1	3,682.75	1	3,323.64	1	2,964.51
1/4		1/4		1/4		1/4	5,090.61	1/4	4,751.45	1/4	4,393.47	1/4	4,034.38	1/4	3,675.27	1/4	3,316.16	1/4	2,957.03
1/2		1/2		1/2		1/2	5,086.12	1/2	4,744.03	1/2	4,386.00	1/2	4,026.89	1/2	3,667.79	1/2	3,308.68	1/2	2,949.54
3/4		3/4		3/4		3/4	5,081.64	3/4	4,736.61	3/4	4,378.52	3/4	4,019.41	3/4	3,660.31	3/4	3,301.20	3/4	2,942.06
2		2		2		2	5,076.09	2	4,729.16	2	4,371.04	2	4,011.93	2	3,652.82	2	3,293.72	2	2,934.57
1/4		1/4		1/4		1/4	5,070.54	1/4	4,721.71	1/4	4,363.56	1/4	4,004.45	1/4	3,645.34	1/4	3,286.24	1/4	2,927.09
1/2		1/2		1/2		1/2	5,064.98	1/2	4,714.26	1/2	4,356.08	1/2	3,996.97	1/2	3,637.86	1/2	3,278.75	1/2	2,919.60
3/4		3/4		3/4		3/4	5,059.43	3/4	4,706.81	3/4	4,348.59	3/4	3,989.49	3/4	3,630.38	3/4	3,271.27	3/4	2,912.12
3		3		3		3	5,052.81	3	4,699.35	3	4,341.11	3	3,982.01	3	3,622.90	3	3,263.79	3	2,904.63
1/4		1/4		1/4		1/4	5,046.19	1/4	4,691.89	1/4	4,333.63	1/4	3,974.52	1/4	3,615.42	1/4	3,256.31	1/4	2,897.15
1/2		1/2		1/2		1/2	5,039.56	1/2	4,684.43	1/2	4,326.15	1/2	3,967.04	1/2	3,607.94	1/2	3,248.83	1/2	2,889.66
3/4		3/4		3/4		3/4	5,032.94	3/4	4,676.97	3/4	4,318.67	3/4	3,959.56	3/4	3,600.45	3/4	3,241.35	3/4	2,882.17
4		4		4		4	5,025.65	4	4,669.51	4	4,311.19	4	3,952.08	4	3,592.97	4	3,233.87	4	2,874.69
1/4		1/4		1/4		1/4	5,018.36	1/4	4,662.05	1/4	4,303.71	1/4	3,944.60	1/4	3,585.49	1/4	3,226.38	1/4	2,867.20
1/2		1/2		1/2		1/2	5,011.07	1/2	4,654.59	1/2	4,296.23	1/2	3,937.12	1/2	3,578.01	1/2	3,218.90	1/2	2,859.72
3/4		3/4		3/4		3/4	5,003.78	3/4	4,647.13	3/4	4,288.74	3/4	3,929.64	3/4	3,570.53	3/4	3,211.42	3/4	2,852.23
5		5		5		5	4,996.36	5	4,639.68	5	4,281.26	5	3,922.16	5	3,563.05	5	3,203.94	5	2,844.75
1/4		1/4		1/4		1/4	4,988.93	1/4	4,632.22	1/4	4,273.78	1/4	3,914.67	1/4	3,555.57	1/4	3,196.46	1/4	2,837.26
1/2		1/2		1/2		1/2	4,981.51	1/2	4,624.76	1/2	4,266.30	1/2	3,907.19	1/2	3,548.09	1/2	3,188.98	1/2	2,829.78
3/4		3/4		3/4		3/4	4,974.08	3/4	4,617.30	3/4	4,258.82	3/4	3,899.71	3/4	3,540.60	3/4	3,181.50	3/4	2,822.29
6		6		6		6	4,966.66	6	4,609.84	6	4,251.34	6	3,892.23	6	3,533.12	6	3,174.02	6	2,814.81
1/4		1/4		1/4		1/4	4,959.24	1/4	4,602.38	1/4	4,243.86	1/4	3,884.75	1/4	3,525.64	1/4	3,166.53	1/4	2,807.32
1/2		1/2		1/2		1/2	4,951.81	1/2	4,594.92	1/2	4,236.37	1/2	3,877.27	1/2	3,518.16	1/2	3,159.05	1/2	2,799.84
3/4		3/4		3/4		3/4	4,944.39	3/4	4,587.46	3/4	4,228.89	3/4	3,869.79	3/4	3,510.68	3/4	3,151.57	3/4	2,792.35
7		7		7		7	4,936.97	7	4,580.00	7	4,221.41	7	3,862.30	7	3,503.20	7	3,144.09	7	2,784.86
1/4		1/4		1/4		1/4	4,929.54	1/4	4,572.54	1/4	4,213.93	1/4	3,854.82	1/4	3,495.72	1/4	3,136.61	1/4	2,777.38
1/2		1/2		1/2		1/2	4,922.12	1/2	4,565.08	1/2	4,206.45	1/2	3,847.34	1/2	3,488.23	1/2	3,129.13	1/2	2,769.89
3/4		3/4		3/4		3/4	4,914.69	3/4	4,557.62	3/4	4,198.97	3/4	3,839.86	3/4	3,480.75	3/4	3,121.65	3/4	2,762.41
8		8		8		8	4,907.27	8	4,550.16	8	4,191.49	8	3,832.38	8	3,473.27	8	3,114.16	8	2,754.92
1/4		1/4		1/4		1/4	4,899.85	1/4	4,542.70	1/4	4,184.00	1/4	3,824.90	1/4	3,465.79	1/4	3,106.68	1/4	2,747.44
1/2		1/2		1/2		1/2	4,892.43	1/2	4,535.24	1/2	4,176.52	1/2	3,817.42	1/2	3,458.31	1/2	3,099.20	1/2	2,739.95
3/4		3/4		3/4		3/4	4,885.01	3/4	4,527.78	3/4	4,169.04	3/4	3,809.93	3/4	3,450.83	3/4	3,091.72	3/4	2,732.47
9		9		9		9	4,877.59	9	4,520.32	9	4,161.56	9	3,802.45	9	3,443.35	9	3,084.24	9	2,724.98
1/4		1/4		1/4		1/4	4,870.17	1/4	4,512.86	1/4	4,154.08	1/4	3,794.97	1/4	3,435.86	1/4	3,076.76	1/4	2,717.50
1/2		1/2		1/2		1/2	4,862.75	1/2	4,505.40	1/2	4,146.60	1/2	3,787.49	1/2	3,428.38	1/2	3,069.28	1/2	2,710.01
3/4		3/4		3/4		3/4	4,855.33	3/4	4,497.94	3/4	4,139.12	3/4	3,780.01	3/4	3,420.90	3/4	3,061.79	3/4	2,702.52
10		10		10		10	4,847.91	10	4,490.48	10	4,131.63	10	3,772.53	10	3,413.42	10	3,054.31	10	2,695.04
1/4		1/4		1/4		1/4	4,840.49	1/4	4,483.02	1/4	4,124.15	1/4	3,765.05	1/4	3,405.94	1/4	3,046.83	1/4	2,687.55
1/2		1/2		1/2		1/2	4,833.07	1/2	4,475.56	1/2	4,116.67	1/2	3,757.56	1/2	3,398.46	1/2	3,039.35	1/2	2,680.07
3/4		3/4		3/4		3/4	4,825.65	3/4	4,468.10	3/4	4,109.19	3/4	3,750.08	3/4	3,390.98	3/4	3,031.87	3/4	2,672.58
11		11		11		11	4,818.23	11	4,460.64	11	4,101.71	11	3,742.60	11	3,383.49	11	3,024.39	11	2,665.10
1/4		1/4		1/4		1/4	4,810.81	1/4	4,453.18	1/4	4,094.23	1/4	3,735.12	1/4	3,376.01	1/4	3,016.91	1/4	2,657.61
1/2		1/2		1/2		1/2	4,803.39	1/2	4,445.72	1/2	4,086.75	1/2	3,727.64	1/2	3,368.53	1/2	3,009.42	1/2	2,650.13
3/4		3/4		3/4		3/4	4,795.97	3/4	4,438.26	3/4	4,079.26	3/4	3,720.16	3/4	3,361.05	3/4	3,001.94	3/4	2,642.64

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 29154"

2 STBD

ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30060"

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	2,635.16	0	2,275.86	0	1,916.56	0	1,557.26	0	1,197.96	0	839.11	0	479.83	0	120.54	0		0	
1/4	2,627.67	1/4	2,268.37	1/4	1,909.07	1/4	1,549.77	1/4	1,190.47	1/4	831.63	1/4	472.35	1/4	113.05	1/4		1/4	
1/2	2,620.19	1/2	2,260.89	1/2	1,901.59	1/2	1,542.29	1/2	1,182.99	1/2	824.15	1/2	464.86	1/2	105.57	1/2		1/2	
3/4	2,612.70	3/4	2,253.40	3/4	1,894.10	3/4	1,534.80	3/4	1,175.50	3/4	816.67	3/4	457.38	3/4	98.08	3/4		3/4	
1	2,605.21	1	2,245.92	1	1,886.62	1	1,527.32	1	1,168.02	1	809.19	1	449.89	1	90.60	1		1	
1/4	2,597.73	1/4	2,238.43	1/4	1,879.13	1/4	1,519.83	1/4	1,160.53	1/4	801.70	1/4	442.41	1/4	83.11	1/4		1/4	
1/2	2,590.24	1/2	2,230.94	1/2	1,871.65	1/2	1,512.35	1/2	1,153.05	1/2	794.22	1/2	434.92	1/2	75.63	1/2		1/2	
3/4	2,582.76	3/4	2,223.46	3/4	1,864.16	3/4	1,504.86	3/4	1,145.56	3/4	786.73	3/4	427.44	3/4	68.14	3/4		3/4	
2	2,575.27	2	2,215.97	2	1,856.67	2	1,497.38	2	1,138.08	2	779.25	2	419.95	2	61.36	2		2	
1/4	2,567.79	1/4	2,208.49	1/4	1,849.19	1/4	1,489.89	1/4	1,130.60	1/4	771.76	1/4	412.47	1/4	54.58	1/4		1/4	
1/2	2,560.30	1/2	2,201.00	1/2	1,841.70	1/2	1,482.40	1/2	1,123.12	1/2	764.28	1/2	404.98	1/2	47.79	1/2		1/2	
3/4	2,552.82	3/4	2,193.52	3/4	1,834.22	3/4	1,474.92	3/4	1,115.64	3/4	756.79	3/4	397.50	3/4	41.01	3/4		3/4	
3	2,545.33	3	2,186.03	3	1,826.73	3	1,467.43	3	1,108.16	3	749.30	3	390.01	3	35.86	3		3	
1/4	2,537.85	1/4	2,178.55	1/4	1,819.25	1/4	1,459.95	1/4	1,100.68	1/4	741.82	1/4	382.53	1/4	30.72	1/4		1/4	
1/2	2,530.36	1/2	2,171.06	1/2	1,811.76	1/2	1,452.46	1/2	1,093.20	1/2	734.33	1/2	375.04	1/2	25.57	1/2		1/2	
3/4	2,522.88	3/4	2,163.58	3/4	1,804.28	3/4	1,444.98	3/4	1,085.72	3/4	726.85	3/4	367.55	3/4	20.43	3/4		3/4	
4	2,515.39	4	2,156.09	4	1,796.79	4	1,437.49	4	1,078.24	4	719.36	4	360.07	4		4		4	
1/4	2,507.90	1/4	2,148.61	1/4	1,789.31	1/4	1,430.01	1/4	1,070.77	1/4	711.88	1/4	352.58	1/4		1/4		1/4	
1/2	2,500.42	1/2	2,141.12	1/2	1,781.82	1/2	1,422.52	1/2	1,063.30	1/2	704.39	1/2	345.10	1/2		1/2		1/2	
3/4	2,492.93	3/4	2,133.63	3/4	1,774.34	3/4	1,415.04	3/4	1,055.82	3/4	696.91	3/4	337.61	3/4		3/4		3/4	
5	2,485.45	5	2,126.15	5	1,766.85	5	1,407.55	5	1,048.35	5	689.42	5	330.13	5		5		5	
1/4	2,477.96	1/4	2,118.66	1/4	1,759.36	1/4	1,400.07	1/4	1,040.88	1/4	681.94	1/4	322.64	1/4		1/4		1/4	
1/2	2,470.48	1/2	2,111.18	1/2	1,751.88	1/2	1,392.58	1/2	1,033.40	1/2	674.45	1/2	315.16	1/2		1/2		1/2	
3/4	2,462.99	3/4	2,103.69	3/4	1,744.39	3/4	1,385.09	3/4	1,025.93	3/4	666.97	3/4	307.67	3/4		3/4		3/4	
6	2,455.51	6	2,096.21	6	1,736.91	6	1,377.61	6	1,018.46	6	659.48	6	300.19	6		6		6	
1/4	2,448.02	1/4	2,088.72	1/4	1,729.42	1/4	1,370.12	1/4	1,010.99	1/4	652.00	1/4	292.70	1/4		1/4		1/4	
1/2	2,440.54	1/2	2,081.24	1/2	1,721.94	1/2	1,362.64	1/2	1,003.51	1/2	644.51	1/2	285.22	1/2		1/2		1/2	
3/4	2,433.05	3/4	2,073.75	3/4	1,714.45	3/4	1,355.15	3/4	996.04	3/4	637.03	3/4	277.73	3/4		3/4		3/4	
7	2,425.57	7	2,066.27	7	1,706.97	7	1,347.67	7	988.57	7	629.54	7	270.25	7		7		7	
1/4	2,418.08	1/4	2,058.78	1/4	1,699.48	1/4	1,340.18	1/4	981.10	1/4	622.05	1/4	262.76	1/4		1/4		1/4	
1/2	2,410.59	1/2	2,051.30	1/2	1,692.00	1/2	1,332.70	1/2	973.62	1/2	614.57	1/2	255.27	1/2		1/2		1/2	
3/4	2,403.11	3/4	2,043.81	3/4	1,684.51	3/4	1,325.21	3/4	966.15	3/4	607.08	3/4	247.79	3/4		3/4		3/4	
8	2,395.62	8	2,036.32	8	1,677.03	8	1,317.73	8	958.68	8	599.60	8	240.30	8		8		8	
1/4	2,388.14	1/4	2,028.84	1/4	1,669.54	1/4	1,310.24	1/4	951.21	1/4	592.11	1/4	232.82	1/4		1/4		1/4	
1/2	2,380.65	1/2	2,021.35	1/2	1,662.05	1/2	1,302.76	1/2	943.73	1/2	584.63	1/2	225.33	1/2		1/2		1/2	
3/4	2,373.17	3/4	2,013.87	3/4	1,654.57	3/4	1,295.27	3/4	936.26	3/4	577.14	3/4	217.85	3/4		3/4		3/4	
9	2,365.68	9	2,006.38	9	1,647.08	9	1,287.78	9	928.79	9	569.66	9	210.36	9		9		9	
1/4	2,358.20	1/4	1,998.90	1/4	1,639.60	1/4	1,280.30	1/4	921.32	1/4	562.17	1/4	202.88	1/4		1/4		1/4	
1/2	2,350.71	1/2	1,991.41	1/2	1,632.11	1/2	1,272.81	1/2	913.84	1/2	554.69	1/2	195.39	1/2		1/2		1/2	
3/4	2,343.23	3/4	1,983.93	3/4	1,624.63	3/4	1,265.33	3/4	906.37	3/4	547.20	3/4	187.91	3/4		3/4		3/4	
10	2,335.74	10	1,976.44	10	1,617.14	10	1,257.84	10	898.90	10	539.72	10	180.42	10		10		10	
1/4	2,328.25	1/4	1,968.96	1/4	1,609.66	1/4	1,250.36	1/4	891.43	1/4	532.23	1/4	172.94	1/4		1/4		1/4	
1/2	2,320.77	1/2	1,961.47	1/2	1,602.17	1/2	1,242.87	1/2	883.95	1/2	524.75	1/2	165.45	1/2		1/2		1/2	
3/4	2,313.28	3/4	1,953.98	3/4	1,594.69	3/4	1,235.39	3/4	876.48	3/4	517.26	3/4	157.97	3/4		3/4		3/4	
11	2,305.80	11	1,946.50	11	1,587.20	11	1,227.90	11	869.01	11	509.78	11	150.48	11		11		11	
1/4	2,298.31	1/4	1,939.01	1/4	1,579.71	1/4	1,220.42	1/4	861.54	1/4	502.29	1/4	143.00	1/4		1/4		1/4	
1/2	2,290.83	1/2	1,931.53	1/2	1,572.23	1/2	1,212.93	1/2	854.06	1/2	494.80	1/2	135.51	1/2		1/2		1/2	
3/4	2,283.34	3/4	1,924.04	3/4	1,564.74	3/4	1,205.44	3/4	846.59	3/4	487.32	3/4	128.02	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/27/2014 PMA
RECALCULATED: 07/16/2021 PMA
VERIFIED: 05/07/2024 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2024

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



BARGE "KIRBY 29154"

3 PORT
ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30060"

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	4,300.27	0	4,081.77	0	3,862.43	0	3,643.02	0	3,320.98	0	2,964.23
1/4		1/4		1/4		1/4		1/4	4,295.74	1/4	4,077.22	1/4	3,857.86	1/4	3,638.45	1/4	3,313.56	1/4	2,956.79
1/2		1/2		1/2		1/2		1/2	4,291.21	1/2	4,072.66	1/2	3,853.29	1/2	3,633.88	1/2	3,306.15	1/2	2,949.35
3/4		3/4		3/4		3/4		3/4	4,286.68	3/4	4,068.11	3/4	3,848.71	3/4	3,629.31	3/4	3,298.73	3/4	2,941.91
1		1		1		1	4,480.38	1	4,282.15	1	4,063.54	1	3,844.14	1	3,624.74	1	3,291.32	1	2,934.48
1/4		1/4		1/4		1/4	4,478.53	1/4	4,277.62	1/4	4,058.97	1/4	3,839.57	1/4	3,620.17	1/4	3,283.90	1/4	2,927.04
1/2		1/2		1/2		1/2	4,476.68	1/2	4,273.09	1/2	4,054.40	1/2	3,835.00	1/2	3,615.60	1/2	3,276.49	1/2	2,919.60
3/4		3/4		3/4		3/4	4,474.83	3/4	4,268.56	3/4	4,049.83	3/4	3,830.43	3/4	3,611.03	3/4	3,269.07	3/4	2,912.16
2		2		2		2	4,472.16	2	4,264.01	2	4,045.26	2	3,825.86	2	3,606.46	2	3,261.64	2	2,904.72
1/4		1/4		1/4		1/4	4,469.50	1/4	4,259.46	1/4	4,040.69	1/4	3,821.29	1/4	3,601.89	1/4	3,254.21	1/4	2,897.28
1/2		1/2		1/2		1/2	4,466.83	1/2	4,254.91	1/2	4,036.12	1/2	3,816.72	1/2	3,597.32	1/2	3,246.78	1/2	2,889.85
3/4		3/4		3/4		3/4	4,464.16	3/4	4,250.36	3/4	4,031.55	3/4	3,812.15	3/4	3,592.74	3/4	3,239.35	3/4	2,882.41
3		3		3		3	4,460.43	3	4,245.81	3	4,026.98	3	3,807.58	3	3,586.01	3	3,231.92	3	2,874.97
1/4		1/4		1/4		1/4	4,456.70	1/4	4,241.25	1/4	4,022.41	1/4	3,803.01	1/4	3,579.27	1/4	3,224.48	1/4	2,867.53
1/2		1/2		1/2		1/2	4,452.97	1/2	4,236.69	1/2	4,017.84	1/2	3,798.43	1/2	3,572.54	1/2	3,217.05	1/2	2,860.09
3/4		3/4		3/4		3/4	4,449.24	3/4	4,232.14	3/4	4,013.27	3/4	3,793.86	3/4	3,565.80	3/4	3,209.61	3/4	2,852.66
4		4		4		4	4,444.84	4	4,227.58	4	4,008.70	4	3,789.29	4	3,558.37	4	3,202.17	4	2,845.22
1/4		1/4		1/4		1/4	4,440.44	1/4	4,223.02	1/4	4,004.13	1/4	3,784.72	1/4	3,550.94	1/4	3,194.74	1/4	2,837.78
1/2		1/2		1/2		1/2	4,436.04	1/2	4,218.47	1/2	3,999.55	1/2	3,780.15	1/2	3,543.50	1/2	3,187.30	1/2	2,830.34
3/4		3/4		3/4		3/4	4,431.64	3/4	4,213.91	3/4	3,994.98	3/4	3,775.58	3/4	3,536.07	3/4	3,179.87	3/4	2,822.90
5		5		5		5	4,427.11	5	4,209.35	5	3,990.41	5	3,771.01	5	3,528.64	5	3,172.43	5	2,815.46
1/4		1/4		1/4		1/4	4,422.58	1/4	4,204.80	1/4	3,985.84	1/4	3,766.44	1/4	3,521.22	1/4	3,165.00	1/4	2,808.03
1/2		1/2		1/2		1/2	4,418.05	1/2	4,200.24	1/2	3,981.27	1/2	3,761.87	1/2	3,513.79	1/2	3,157.56	1/2	2,800.59
3/4		3/4		3/4		3/4	4,413.52	3/4	4,195.68	3/4	3,976.70	3/4	3,757.30	3/4	3,506.36	3/4	3,150.12	3/4	2,793.15
6		6		6		6	4,408.98	6	4,191.13	6	3,972.13	6	3,752.73	6	3,498.94	6	3,142.69	6	2,785.71
1/4		1/4		1/4		1/4	4,404.45	1/4	4,186.57	1/4	3,967.56	1/4	3,748.15	1/4	3,491.53	1/4	3,135.25	1/4	2,778.27
1/2		1/2		1/2		1/2	4,399.92	1/2	4,182.02	1/2	3,962.99	1/2	3,743.58	1/2	3,484.11	1/2	3,127.82	1/2	2,770.83
3/4		3/4		3/4		3/4	4,395.39	3/4	4,177.46	3/4	3,958.42	3/4	3,739.01	3/4	3,476.69	3/4	3,120.38	3/4	2,763.40
7		7		7		7	4,390.86	7	4,172.90	7	3,953.85	7	3,734.44	7	3,469.28	7	3,112.95	7	2,755.96
1/4		1/4		1/4		1/4	4,386.32	1/4	4,168.35	1/4	3,949.27	1/4	3,729.87	1/4	3,461.86	1/4	3,105.51	1/4	2,748.52
1/2		1/2		1/2		1/2	4,381.79	1/2	4,163.79	1/2	3,944.70	1/2	3,725.30	1/2	3,454.45	1/2	3,098.07	1/2	2,741.08
3/4		3/4		3/4		3/4	4,377.26	3/4	4,159.23	3/4	3,940.13	3/4	3,720.73	3/4	3,447.03	3/4	3,090.64	3/4	2,733.64
8		8		8		8	4,372.73	8	4,154.68	8	3,935.56	8	3,716.16	8	3,439.62	8	3,083.20	8	2,726.20
1/4		1/4		1/4		1/4	4,368.20	1/4	4,150.12	1/4	3,930.99	1/4	3,711.59	1/4	3,432.20	1/4	3,075.77	1/4	2,718.77
1/2		1/2		1/2		1/2	4,363.67	1/2	4,145.56	1/2	3,926.42	1/2	3,707.02	1/2	3,424.79	1/2	3,068.33	1/2	2,711.33
3/4		3/4		3/4		3/4	4,359.14	3/4	4,141.01	3/4	3,921.85	3/4	3,702.45	3/4	3,417.37	3/4	3,060.90	3/4	2,703.89
9		9		9		9	4,354.61	9	4,136.45	9	3,917.28	9	3,697.88	9	3,409.96	9	3,053.46	9	2,696.45
1/4		1/4		1/4		1/4	4,350.09	1/4	4,131.90	1/4	3,912.71	1/4	3,693.30	1/4	3,402.54	1/4	3,046.02	1/4	2,689.01
1/2		1/2		1/2		1/2	4,345.56	1/2	4,127.34	1/2	3,908.14	1/2	3,688.73	1/2	3,395.13	1/2	3,038.59	1/2	2,681.57
3/4		3/4		3/4		3/4	4,341.03	3/4	4,122.78	3/4	3,903.57	3/4	3,684.16	3/4	3,387.71	3/4	3,031.15	3/4	2,674.14
10		10		10		10	4,336.50	10	4,118.23	10	3,898.99	10	3,679.59	10	3,380.30	10	3,023.72	10	2,666.70
1/4		1/4		1/4		1/4	4,331.97	1/4	4,113.67	1/4	3,894.42	1/4	3,675.02	1/4	3,372.88	1/4	3,016.28	1/4	2,659.26
1/2		1/2		1/2		1/2	4,327.44	1/2	4,109.11	1/2	3,889.85	1/2	3,670.45	1/2	3,365.47	1/2	3,008.85	1/2	2,651.82
3/4		3/4		3/4		3/4	4,322.91	3/4	4,104.56	3/4	3,885.28	3/4	3,665.88	3/4	3,358.05	3/4	3,001.41	3/4	2,644.38
11		11		11		11	4,318.38	11	4,100.00	11	3,880.71	11	3,661.31	11	3,350.64	11	2,993.97	11	2,636.94
1/4		1/4		1/4		1/4	4,313.85	1/4	4,095.44	1/4	3,876.14	1/4	3,656.74	1/4	3,343.22	1/4	2,986.54	1/4	2,629.51
1/2		1/2		1/2		1/2	4,309.32	1/2	4,090.89	1/2	3,871.57	1/2	3,652.17	1/2	3,335.81	1/2	2,979.10	1/2	2,622.07
3/4		3/4		3/4		3/4	4,304.79	3/4	4,086.33	3/4	3,867.00	3/4	3,647.60	3/4	3,328.39	3/4	2,971.67	3/4	2,614.63

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 42'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 29154"

3 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30060"

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	2,607.19	0	2,251.05	0	1,896.61	0	1,539.27	0	1,182.03	0	835.12	0	477.70	0	120.14	0		0	
1/4	2,599.74	1/4	2,243.66	1/4	1,889.18	1/4	1,531.82	1/4	1,174.74	1/4	827.73	1/4	470.26	1/4	112.68	1/4		1/4	
1/2	2,592.30	1/2	2,236.27	1/2	1,881.75	1/2	1,524.37	1/2	1,167.45	1/2	820.34	1/2	462.81	1/2	105.23	1/2		1/2	
3/4	2,584.85	3/4	2,228.88	3/4	1,874.32	3/4	1,516.93	3/4	1,160.17	3/4	812.95	3/4	455.36	3/4	97.77	3/4		3/4	
1	2,577.41	1	2,221.50	1	1,866.88	1	1,509.48	1	1,152.93	1	805.50	1	447.91	1	90.31	1		1	
1/4	2,569.96	1/4	2,214.12	1/4	1,859.43	1/4	1,502.04	1/4	1,145.70	1/4	798.05	1/4	440.46	1/4	82.85	1/4		1/4	
1/2	2,562.52	1/2	2,206.74	1/2	1,851.99	1/2	1,494.59	1/2	1,138.46	1/2	790.60	1/2	433.01	1/2	75.39	1/2		1/2	
3/4	2,555.07	3/4	2,199.35	3/4	1,844.54	3/4	1,487.15	3/4	1,131.23	3/4	783.15	3/4	425.56	3/4	67.93	3/4		3/4	
2	2,547.63	2	2,191.97	2	1,837.09	2	1,479.70	2	1,124.00	2	775.70	2	418.11	2	61.17	2		2	
1/4	2,540.18	1/4	2,184.59	1/4	1,829.65	1/4	1,472.25	1/4	1,116.77	1/4	768.25	1/4	410.67	1/4	54.41	1/4		1/4	
1/2	2,532.74	1/2	2,177.21	1/2	1,822.20	1/2	1,464.81	1/2	1,109.55	1/2	760.80	1/2	403.22	1/2	47.64	1/2		1/2	
3/4	2,525.29	3/4	2,169.82	3/4	1,814.76	3/4	1,457.36	3/4	1,102.32	3/4	753.35	3/4	395.77	3/4	40.88	3/4		3/4	
3	2,517.84	3	2,162.44	3	1,807.31	3	1,449.92	3	1,095.10	3	745.90	3	388.32	3	35.75	3		3	
1/4	2,510.40	1/4	2,155.06	1/4	1,799.87	1/4	1,442.47	1/4	1,087.87	1/4	738.45	1/4	380.87	1/4	30.62	1/4		1/4	
1/2	2,502.95	1/2	2,147.67	1/2	1,792.42	1/2	1,435.03	1/2	1,080.65	1/2	731.00	1/2	373.42	1/2	25.49	1/2		1/2	
3/4	2,495.51	3/4	2,140.29	3/4	1,784.97	3/4	1,427.58	3/4	1,073.43	3/4	723.55	3/4	365.98	3/4	20.37	3/4		3/4	
4	2,488.09	4	2,132.91	4	1,777.53	4	1,420.13	4	1,066.21	4	716.10	4	358.53	4		4		4	
1/4	2,480.67	1/4	2,125.53	1/4	1,770.08	1/4	1,412.69	1/4	1,058.99	1/4	708.65	1/4	351.08	1/4		1/4		1/4	
1/2	2,473.26	1/2	2,118.14	1/2	1,762.64	1/2	1,405.24	1/2	1,051.77	1/2	701.20	1/2	343.63	1/2		1/2		1/2	
3/4	2,465.84	3/4	2,110.76	3/4	1,755.19	3/4	1,397.80	3/4	1,044.56	3/4	693.75	3/4	336.18	3/4		3/4		3/4	
5	2,458.43	5	2,103.38	5	1,747.75	5	1,390.35	5	1,037.34	5	686.30	5	328.73	5		5		5	
1/4	2,451.03	1/4	2,095.99	1/4	1,740.30	1/4	1,382.91	1/4	1,030.12	1/4	678.85	1/4	321.28	1/4		1/4		1/4	
1/2	2,443.62	1/2	2,088.61	1/2	1,732.85	1/2	1,375.46	1/2	1,022.91	1/2	671.40	1/2	313.84	1/2		1/2		1/2	
3/4	2,436.21	3/4	2,081.23	3/4	1,725.41	3/4	1,368.01	3/4	1,015.69	3/4	663.95	3/4	306.39	3/4		3/4		3/4	
6	2,428.81	6	2,073.85	6	1,717.96	6	1,360.57	6	1,008.48	6	656.50	6	298.94	6		6		6	
1/4	2,421.40	1/4	2,066.46	1/4	1,710.52	1/4	1,353.12	1/4	1,001.26	1/4	649.05	1/4	291.49	1/4		1/4		1/4	
1/2	2,413.99	1/2	2,059.08	1/2	1,703.07	1/2	1,345.68	1/2	994.04	1/2	641.60	1/2	284.04	1/2		1/2		1/2	
3/4	2,406.58	3/4	2,051.70	3/4	1,695.63	3/4	1,338.23	3/4	986.83	3/4	634.15	3/4	276.59	3/4		3/4		3/4	
7	2,399.18	7	2,044.31	7	1,688.18	7	1,330.79	7	979.61	7	626.70	7	269.14	7		7		7	
1/4	2,391.77	1/4	2,036.93	1/4	1,680.73	1/4	1,323.34	1/4	972.40	1/4	619.25	1/4	261.70	1/4		1/4		1/4	
1/2	2,384.36	1/2	2,029.55	1/2	1,673.29	1/2	1,315.89	1/2	965.18	1/2	611.80	1/2	254.25	1/2		1/2		1/2	
3/4	2,376.95	3/4	2,022.17	3/4	1,665.84	3/4	1,308.45	3/4	957.97	3/4	604.35	3/4	246.80	3/4		3/4		3/4	
8	2,369.55	8	2,014.78	8	1,658.40	8	1,301.00	8	950.75	8	596.90	8	239.35	8		8		8	
1/4	2,362.14	1/4	2,007.40	1/4	1,650.95	1/4	1,293.56	1/4	943.53	1/4	589.45	1/4	231.90	1/4		1/4		1/4	
1/2	2,354.73	1/2	2,000.02	1/2	1,643.51	1/2	1,286.11	1/2	936.32	1/2	582.00	1/2	224.45	1/2		1/2		1/2	
3/4	2,347.33	3/4	1,992.64	3/4	1,636.06	3/4	1,278.67	3/4	929.10	3/4	574.55	3/4	217.00	3/4		3/4		3/4	
9	2,339.92	9	1,985.25	9	1,628.61	9	1,271.22	9	921.89	9	567.10	9	209.55	9		9		9	
1/4	2,332.51	1/4	1,977.87	1/4	1,621.17	1/4	1,263.77	1/4	914.67	1/4	559.65	1/4	202.10	1/4		1/4		1/4	
1/2	2,325.10	1/2	1,970.49	1/2	1,613.72	1/2	1,256.33	1/2	907.46	1/2	552.20	1/2	194.65	1/2		1/2		1/2	
3/4	2,317.70	3/4	1,963.10	3/4	1,606.28	3/4	1,248.88	3/4	900.24	3/4	544.75	3/4	187.20	3/4		3/4		3/4	
10	2,310.29	10	1,955.72	10	1,598.83	10	1,241.44	10	893.02	10	537.30	10	179.75	10		10		10	
1/4	2,302.88	1/4	1,948.34	1/4	1,591.39	1/4	1,233.99	1/4	885.81	1/4	529.85	1/4	172.30	1/4		1/4		1/4	
1/2	2,295.48	1/2	1,940.96	1/2	1,583.94	1/2	1,226.55	1/2	878.59	1/2	522.40	1/2	164.85	1/2		1/2		1/2	
3/4	2,288.07	3/4	1,933.57	3/4	1,576.49	3/4	1,219.10	3/4	871.38	3/4	514.95	3/4	157.40	3/4		3/4		3/4	
11	2,280.66	11	1,926.19	11	1,569.05	11	1,211.66	11	864.16	11	507.50	11	149.95	11		11		11	
1/4	2,273.25	1/4	1,918.81	1/4	1,561.60	1/4	1,204.21	1/4	856.94	1/4	500.05	1/4	142.50	1/4		1/4		1/4	
1/2	2,265.85	1/2	1,911.42	1/2	1,554.16	1/2	1,196.76	1/2	849.73	1/2	492.60	1/2	135.04	1/2		1/2		1/2	
3/4	2,258.44	3/4	1,904.04	3/4	1,546.71	3/4	1,189.32	3/4	842.51	3/4	485.15	3/4	127.59	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/27/2014 PMA
RECALCULATED: 07/16/2021 PMA
VERIFIED: 05/07/2024 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2024

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 29154"

3 STBD ULLAGE TABLE

HERMETIC GAUGE HEIGHT 17'-04"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30060"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0		0		0	4,323.62	0	4,105.33	0	3,886.16	0	3,666.93	0	3,347.52	0	2,990.23		
1/4		1/4		1/4		1/4		1/4	4,319.10	1/4	4,100.77	1/4	3,881.59	1/4	3,662.36	1/4	3,340.09	1/4	2,982.78		
1/2		1/2		1/2		1/2		1/2	4,314.57	1/2	4,096.22	1/2	3,877.03	1/2	3,657.79	1/2	3,332.66	1/2	2,975.33		
3/4		3/4		3/4		3/4		3/4	4,310.05	3/4	4,091.67	3/4	3,872.46	3/4	3,653.22	3/4	3,325.24	3/4	2,967.88		
1		1		1		1		1	4,305.52	1	4,087.12	1	3,867.89	1	3,648.66	1	3,317.81	1	2,960.43		
1/4		1/4		1/4		1/4		1/4	4,499.08	1/4	4,300.99	1/4	4,082.55	1/4	3,863.33	1/4	3,644.09	1/4	3,310.38	1/4	2,952.98
1/2		1/2		1/2		1/2		1/2	4,497.23	1/2	4,296.47	1/2	4,077.99	1/2	3,858.76	1/2	3,639.52	1/2	3,302.96	1/2	2,945.53
3/4		3/4		3/4		3/4		3/4	4,495.38	3/4	4,291.94	3/4	4,073.42	3/4	3,854.19	3/4	3,634.96	3/4	3,295.53	3/4	2,938.08
2		2		2		2		2	4,493.53	2	4,287.42	2	4,068.86	2	3,849.62	2	3,630.39	2	3,288.10	2	2,930.63
1/4		1/4		1/4		1/4		1/4	4,490.87	1/4	4,282.87	1/4	4,064.29	1/4	3,845.06	1/4	3,625.82	1/4	3,280.66	1/4	2,923.18
1/2		1/2		1/2		1/2		1/2	4,488.21	1/2	4,278.33	1/2	4,059.72	1/2	3,840.49	1/2	3,621.25	1/2	3,273.22	1/2	2,915.73
3/4		3/4		3/4		3/4		3/4	4,485.54	3/4	4,273.78	3/4	4,055.16	3/4	3,835.92	3/4	3,616.69	3/4	3,265.78	3/4	2,908.28
3		3		3		3		3	4,482.88	3	4,269.23	3	4,050.59	3	3,831.35	3	3,612.12	3	3,258.34	3	2,900.83
1/4		1/4		1/4		1/4		1/4	4,479.15	1/4	4,264.68	1/4	4,046.02	1/4	3,826.79	1/4	3,605.39	1/4	3,250.89	1/4	2,893.38
1/2		1/2		1/2		1/2		1/2	4,475.42	1/2	4,260.13	1/2	4,041.45	1/2	3,822.22	1/2	3,598.66	1/2	3,243.44	1/2	2,885.93
3/4		3/4		3/4		3/4		3/4	4,471.69	3/4	4,255.57	3/4	4,036.89	3/4	3,817.65	3/4	3,591.93	3/4	3,235.99	3/4	2,878.48
4		4		4		4		4	4,467.96	4	4,251.02	4	4,032.32	4	3,813.08	4	3,585.20	4	3,228.55	4	2,871.03
1/4		1/4		1/4		1/4		1/4	4,463.56	1/4	4,246.47	1/4	4,027.75	1/4	3,808.52	1/4	3,577.76	1/4	3,221.10	1/4	2,863.58
1/2		1/2		1/2		1/2		1/2	4,459.16	1/2	4,241.91	1/2	4,023.18	1/2	3,803.95	1/2	3,570.33	1/2	3,213.65	1/2	2,856.13
3/4		3/4		3/4		3/4		3/4	4,454.77	3/4	4,237.36	3/4	4,018.62	3/4	3,799.38	3/4	3,562.90	3/4	3,206.20	3/4	2,848.68
5		5		5		5		5	4,450.37	5	4,232.81	5	4,014.05	5	3,794.81	5	3,555.47	5	3,198.76	5	2,841.23
1/4		1/4		1/4		1/4		1/4	4,445.85	1/4	4,228.26	1/4	4,009.48	1/4	3,790.25	1/4	3,548.04	1/4	3,191.31	1/4	2,833.78
1/2		1/2		1/2		1/2		1/2	4,441.32	1/2	4,223.70	1/2	4,004.91	1/2	3,785.68	1/2	3,540.61	1/2	3,183.86	1/2	2,826.33
3/4		3/4		3/4		3/4		3/4	4,436.79	3/4	4,219.15	3/4	4,000.35	3/4	3,781.11	3/4	3,533.18	3/4	3,176.41	3/4	2,818.88
6		6		6		6		6	4,432.26	6	4,214.60	6	3,995.78	6	3,776.54	6	3,525.76	6	3,168.97	6	2,811.43
1/4		1/4		1/4		1/4		1/4	4,427.73	1/4	4,210.04	1/4	3,991.21	1/4	3,771.98	1/4	3,518.33	1/4	3,161.52	1/4	2,803.98
1/2		1/2		1/2		1/2		1/2	4,423.20	1/2	4,205.49	1/2	3,986.65	1/2	3,767.41	1/2	3,510.90	1/2	3,154.07	1/2	2,796.53
3/4		3/4		3/4		3/4		3/4	4,418.68	3/4	4,200.94	3/4	3,982.08	3/4	3,762.84	3/4	3,503.48	3/4	3,146.62	3/4	2,789.08
7		7		7		7		7	4,414.15	7	4,196.39	7	3,977.51	7	3,758.28	7	3,496.05	7	3,139.18	7	2,781.63
1/4		1/4		1/4		1/4		1/4	4,409.62	1/4	4,191.83	1/4	3,972.94	1/4	3,753.71	1/4	3,488.62	1/4	3,131.73	1/4	2,774.18
1/2		1/2		1/2		1/2		1/2	4,405.09	1/2	4,187.28	1/2	3,968.38	1/2	3,749.14	1/2	3,481.20	1/2	3,124.28	1/2	2,766.73
3/4		3/4		3/4		3/4		3/4	4,400.56	3/4	4,182.73	3/4	3,963.81	3/4	3,744.57	3/4	3,473.77	3/4	3,116.83	3/4	2,759.28
8		8		8		8		8	4,396.04	8	4,178.17	8	3,959.24	8	3,740.01	8	3,466.34	8	3,109.39	8	2,751.83
1/4		1/4		1/4		1/4		1/4	4,391.51	1/4	4,173.62	1/4	3,954.67	1/4	3,735.44	1/4	3,458.92	1/4	3,101.94	1/4	2,744.38
1/2		1/2		1/2		1/2		1/2	4,386.98	1/2	4,169.07	1/2	3,950.11	1/2	3,730.87	1/2	3,451.49	1/2	3,094.49	1/2	2,736.93
3/4		3/4		3/4		3/4		3/4	4,382.45	3/4	4,164.52	3/4	3,945.54	3/4	3,726.30	3/4	3,444.06	3/4	3,087.04	3/4	2,729.48
9		9		9		9		9	4,377.93	9	4,159.96	9	3,940.97	9	3,721.74	9	3,436.64	9	3,079.60	9	2,722.03
1/4		1/4		1/4		1/4		1/4	4,373.40	1/4	4,155.41	1/4	3,936.40	1/4	3,717.17	1/4	3,429.21	1/4	3,072.15	1/4	2,714.58
1/2		1/2		1/2		1/2		1/2	4,368.88	1/2	4,150.86	1/2	3,931.84	1/2	3,712.60	1/2	3,421.78	1/2	3,064.70	1/2	2,707.13
3/4		3/4		3/4		3/4		3/4	4,364.35	3/4	4,146.30	3/4	3,927.27	3/4	3,708.03	3/4	3,414.36	3/4	3,057.26	3/4	2,699.68
10		10		10		10		10	4,359.83	10	4,141.75	10	3,922.70	10	3,703.47	10	3,406.93	10	3,049.81	10	2,692.23
1/4		1/4		1/4		1/4		1/4	4,355.30	1/4	4,137.20	1/4	3,918.13	1/4	3,698.90	1/4	3,399.50	1/4	3,042.36	1/4	2,684.78
1/2		1/2		1/2		1/2		1/2	4,350.78	1/2	4,132.65	1/2	3,913.57	1/2	3,694.33	1/2	3,392.08	1/2	3,034.91	1/2	2,677.33
3/4		3/4		3/4		3/4		3/4	4,346.25	3/4	4,128.09	3/4	3,909.00	3/4	3,689.76	3/4	3,384.65	3/4	3,027.47	3/4	2,669.88
11		11		11		11		11	4,341.72	11	4,123.54	11	3,904.43	11	3,685.20	11	3,377.22	11	3,020.02	11	2,662.43
1/4		1/4		1/4		1/4		1/4	4,337.20	1/4	4,118.99	1/4	3,899.86	1/4	3,680.63	1/4	3,369.80	1/4	3,012.57	1/4	2,654.98
1/2		1/2		1/2		1/2		1/2	4,332.67	1/2	4,114.43	1/2	3,895.30	1/2	3,676.06	1/2	3,362.37	1/2	3,005.12	1/2	2,647.53
3/4		3/4		3/4		3/4		3/4	4,328.15	3/4	4,109.88	3/4	3,890.73	3/4	3,671.49	3/4	3,354.94	3/4	2,997.68	3/4	2,640.08

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 42'-09" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 29154"

3 STBD

ULLAGE TABLE HERMETIC

GAUGE HEIGHT 17'-04"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30060"

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	2,632.63	0	2,274.68	0	1,916.73	0	1,558.78	0	1,200.83	0	843.41	0	485.49	0	127.55	0		0	
1/4	2,625.17	1/4	2,267.22	1/4	1,909.27	1/4	1,551.32	1/4	1,193.37	1/4	835.96	1/4	478.03	1/4	120.09	1/4		1/4	
1/2	2,617.71	1/2	2,259.77	1/2	1,901.81	1/2	1,543.86	1/2	1,185.91	1/2	828.51	1/2	470.57	1/2	112.63	1/2		1/2	
3/4	2,610.26	3/4	2,252.31	3/4	1,894.36	3/4	1,536.41	3/4	1,178.46	3/4	821.05	3/4	463.12	3/4	105.18	3/4		3/4	
1	2,602.80	1	2,244.85	1	1,886.90	1	1,528.95	1	1,171.00	1	813.60	1	455.66	1	97.72	1		1	
1/4	2,595.34	1/4	2,237.39	1/4	1,879.44	1/4	1,521.49	1/4	1,163.54	1/4	806.14	1/4	448.20	1/4	90.26	1/4		1/4	
1/2	2,587.89	1/2	2,229.94	1/2	1,871.99	1/2	1,514.04	1/2	1,156.08	1/2	798.69	1/2	440.75	1/2	82.80	1/2		1/2	
3/4	2,580.43	3/4	2,222.48	3/4	1,864.53	3/4	1,506.58	3/4	1,148.63	3/4	791.23	3/4	433.29	3/4	75.35	3/4		3/4	
2	2,572.97	2	2,215.02	2	1,857.07	2	1,499.12	2	1,141.17	2	783.77	2	425.83	2	67.89	2		2	
1/4	2,565.51	1/4	2,207.56	1/4	1,849.61	1/4	1,491.66	1/4	1,133.72	1/4	776.32	1/4	418.37	1/4	61.13	1/4		1/4	
1/2	2,558.06	1/2	2,200.11	1/2	1,842.16	1/2	1,484.21	1/2	1,126.27	1/2	768.86	1/2	410.92	1/2	54.37	1/2		1/2	
3/4	2,550.60	3/4	2,192.65	3/4	1,834.70	3/4	1,476.75	3/4	1,118.82	3/4	761.40	3/4	403.46	3/4	47.62	3/4		3/4	
3	2,543.14	3	2,185.19	3	1,827.24	3	1,469.29	3	1,111.36	3	753.94	3	396.00	3	40.86	3		3	
1/4	2,535.69	1/4	2,177.73	1/4	1,819.78	1/4	1,461.83	1/4	1,103.92	1/4	746.49	1/4	388.55	1/4	35.73	1/4		1/4	
1/2	2,528.23	1/2	2,170.28	1/2	1,812.33	1/2	1,454.38	1/2	1,096.47	1/2	739.03	1/2	381.09	1/2	30.61	1/2		1/2	
3/4	2,520.77	3/4	2,162.82	3/4	1,804.87	3/4	1,446.92	3/4	1,089.02	3/4	731.57	3/4	373.63	3/4	25.48	3/4		3/4	
4	2,513.31	4	2,155.36	4	1,797.41	4	1,439.46	4	1,081.57	4	724.12	4	366.17	4	20.35	4		4	
1/4	2,505.86	1/4	2,147.91	1/4	1,789.96	1/4	1,432.00	1/4	1,074.12	1/4	716.66	1/4	358.72	1/4		1/4		1/4	
1/2	2,498.40	1/2	2,140.45	1/2	1,782.50	1/2	1,424.55	1/2	1,066.68	1/2	709.20	1/2	351.26	1/2		1/2		1/2	
3/4	2,490.94	3/4	2,132.99	3/4	1,775.04	3/4	1,417.09	3/4	1,059.23	3/4	701.74	3/4	343.80	3/4		3/4		3/4	
5	2,483.48	5	2,125.53	5	1,767.58	5	1,409.63	5	1,051.79	5	694.29	5	336.35	5		5		5	
1/4	2,476.03	1/4	2,118.08	1/4	1,760.13	1/4	1,402.18	1/4	1,044.35	1/4	686.83	1/4	328.89	1/4		1/4		1/4	
1/2	2,468.57	1/2	2,110.62	1/2	1,752.67	1/2	1,394.72	1/2	1,036.91	1/2	679.37	1/2	321.43	1/2		1/2		1/2	
3/4	2,461.11	3/4	2,103.16	3/4	1,745.21	3/4	1,387.26	3/4	1,029.46	3/4	671.92	3/4	313.97	3/4		3/4		3/4	
6	2,453.66	6	2,095.70	6	1,737.75	6	1,379.80	6	1,022.02	6	664.46	6	306.52	6		6		6	
1/4	2,446.20	1/4	2,088.25	1/4	1,730.30	1/4	1,372.35	1/4	1,014.58	1/4	657.00	1/4	299.06	1/4		1/4		1/4	
1/2	2,438.74	1/2	2,080.79	1/2	1,722.84	1/2	1,364.89	1/2	1,007.14	1/2	649.54	1/2	291.60	1/2		1/2		1/2	
3/4	2,431.28	3/4	2,073.33	3/4	1,715.38	3/4	1,357.43	3/4	999.70	3/4	642.09	3/4	284.15	3/4		3/4		3/4	
7	2,423.83	7	2,065.88	7	1,707.93	7	1,349.97	7	992.25	7	634.63	7	276.69	7		7		7	
1/4	2,416.37	1/4	2,058.42	1/4	1,700.47	1/4	1,342.52	1/4	984.81	1/4	627.17	1/4	269.23	1/4		1/4		1/4	
1/2	2,408.91	1/2	2,050.96	1/2	1,693.01	1/2	1,335.06	1/2	977.37	1/2	619.72	1/2	261.78	1/2		1/2		1/2	
3/4	2,401.45	3/4	2,043.50	3/4	1,685.55	3/4	1,327.60	3/4	969.93	3/4	612.26	3/4	254.32	3/4		3/4		3/4	
8	2,394.00	8	2,036.05	8	1,678.10	8	1,320.15	8	962.49	8	604.80	8	246.86	8		8		8	
1/4	2,386.54	1/4	2,028.59	1/4	1,670.64	1/4	1,312.69	1/4	955.04	1/4	597.34	1/4	239.40	1/4		1/4		1/4	
1/2	2,379.08	1/2	2,021.13	1/2	1,663.18	1/2	1,305.23	1/2	947.60	1/2	589.89	1/2	231.95	1/2		1/2		1/2	
3/4	2,371.62	3/4	2,013.67	3/4	1,655.72	3/4	1,297.77	3/4	940.16	3/4	582.43	3/4	224.49	3/4		3/4		3/4	
9	2,364.17	9	2,006.22	9	1,648.27	9	1,290.32	9	932.72	9	574.97	9	217.03	9		9		9	
1/4	2,356.71	1/4	1,998.76	1/4	1,640.81	1/4	1,282.86	1/4	925.28	1/4	567.52	1/4	209.58	1/4		1/4		1/4	
1/2	2,349.25	1/2	1,991.30	1/2	1,633.35	1/2	1,275.40	1/2	917.83	1/2	560.06	1/2	202.12	1/2		1/2		1/2	
3/4	2,341.80	3/4	1,983.85	3/4	1,625.89	3/4	1,267.94	3/4	910.39	3/4	552.60	3/4	194.66	3/4		3/4		3/4	
10	2,334.34	10	1,976.39	10	1,618.44	10	1,260.49	10	902.95	10	545.15	10	187.20	10		10		10	
1/4	2,326.88	1/4	1,968.93	1/4	1,610.98	1/4	1,253.03	1/4	895.51	1/4	537.69	1/4	179.75	1/4		1/4		1/4	
1/2	2,319.42	1/2	1,961.47	1/2	1,603.52	1/2	1,245.57	1/2	888.07	1/2	530.23	1/2	172.29	1/2		1/2		1/2	
3/4	2,311.97	3/4	1,954.02	3/4	1,596.07	3/4	1,238.12	3/4	880.62	3/4	522.77	3/4	164.83	3/4		3/4		3/4	
11	2,304.51	11	1,946.56	11	1,588.61	11	1,230.66	11	873.18	11	515.32	11	157.38	11		11		11	
1/4	2,297.05	1/4	1,939.10	1/4	1,581.15	1/4	1,223.20	1/4	865.74	1/4	507.86	1/4	149.92	1/4		1/4		1/4	
1/2	2,289.59	1/2	1,931.64	1/2	1,573.69	1/2	1,215.74	1/2	858.30	1/2	500.40	1/2	142.46	1/2		1/2		1/2	
3/4	2,282.14	3/4	1,924.19	3/4	1,566.24	3/4	1,208.29	3/4	850.86	3/4	492.95	3/4	135.00	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/27/2014 PMA
 RECALCULATED: 07/16/2021 PMA
 VERIFIED: 05/07/2024 CL

CANCELS AND SUPERCEDES
 ALL PRIOR TO 05/2024

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



BARGE "KIRBY 29154"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "SMI 30060"

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	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	

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: 05/07/2024 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2024

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 29154"

SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "SMI 30060"

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	
1/4	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	

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: 05/07/2024 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2024

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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