



BARGE "KIRBY 29149"

INNAGE (HERMETIC)
FORMERLY "SMI 30028"

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
1 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
2 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
2 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
3 PORT	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8
3 STBD	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 5'-00"
 DIFF. = 3'-00" (DOWN BY STERN)

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

November 23, 2021

PRECISION MEASUREMENT
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BARGE "KIRBY 29149"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30028"

GAUGE HEIGHT 15'-09 3/4"

IN	0 FT.	IN	0 FT.	IN	1 FT.	IN	1 FT.	IN	2 FT.	IN	2 FT.	IN	3 FT.	IN	3 FT.	IN	4 FT.	IN	4 FT.
0	15.36	6	160.43	0	326.19	6	500.90	0	680.21	6	859.51	0	1,038.82	6	1,218.12	0	1,397.42	6	1,576.73
1/8	17.47	1/8	163.82	1/8	329.77	1/8	504.64	1/8	683.94	1/8	863.25	1/8	1,042.56	1/8	1,221.86	1/8	1,401.16	1/8	1,580.46
1/4	19.57	1/4	167.21	1/4	333.34	1/4	508.37	1/4	687.68	1/4	866.98	1/4	1,046.29	1/4	1,225.59	1/4	1,404.89	1/4	1,584.20
3/8	21.68	3/8	170.60	3/8	336.92	3/8	512.11	3/8	691.41	3/8	870.72	3/8	1,050.03	3/8	1,229.33	3/8	1,408.63	3/8	1,587.93
1/2	23.78	1/2	174.00	1/2	340.50	1/2	515.84	1/2	695.15	1/2	874.45	1/2	1,053.76	1/2	1,233.06	1/2	1,412.36	1/2	1,591.67
5/8	25.89	5/8	177.39	5/8	344.08	5/8	519.58	5/8	698.88	5/8	878.19	5/8	1,057.50	5/8	1,236.80	5/8	1,416.10	5/8	1,595.40
3/4	27.99	3/4	180.78	3/4	347.65	3/4	523.32	3/4	702.62	3/4	881.93	3/4	1,061.23	3/4	1,240.53	3/4	1,419.84	3/4	1,599.14
7/8	30.10	7/8	184.17	7/8	351.23	7/8	527.05	7/8	706.35	7/8	885.66	7/8	1,064.97	7/8	1,244.27	7/8	1,423.57	7/8	1,602.87
1	32.20	7	187.56	1	354.81	7	530.79	1	710.09	7	889.40	1	1,068.70	7	1,248.00	1	1,427.31	7	1,606.61
1/8	35.04	1/8	190.95	1/8	358.39	1/8	534.52	1/8	713.83	1/8	893.14	1/8	1,072.44	1/8	1,251.74	1/8	1,431.04	1/8	1,610.35
1/4	37.88	1/4	194.34	1/4	361.96	1/4	538.26	1/4	717.56	1/4	896.87	1/4	1,076.17	1/4	1,255.47	1/4	1,434.78	1/4	1,614.08
3/8	40.71	3/8	197.73	3/8	365.54	3/8	541.99	3/8	721.30	3/8	900.61	3/8	1,079.91	3/8	1,259.21	3/8	1,438.51	3/8	1,617.82
1/2	43.55	1/2	201.12	1/2	369.12	1/2	545.73	1/2	725.03	1/2	904.34	1/2	1,083.64	1/2	1,262.94	1/2	1,442.25	1/2	1,621.55
5/8	46.39	5/8	204.52	5/8	372.70	5/8	549.46	5/8	728.77	5/8	908.08	5/8	1,087.38	5/8	1,266.68	5/8	1,445.98	5/8	1,625.29
3/4	49.23	3/4	207.91	3/4	376.27	3/4	553.20	3/4	732.51	3/4	911.81	3/4	1,091.11	3/4	1,270.42	3/4	1,449.72	3/4	1,629.03
7/8	52.06	7/8	211.30	7/8	379.85	7/8	556.93	7/8	736.24	7/8	915.55	7/8	1,094.85	7/8	1,274.15	7/8	1,453.45	7/8	1,632.76
2	54.90	8	214.69	2	383.43	8	560.67	2	739.98	8	919.28	2	1,098.58	8	1,277.89	2	1,457.19	8	1,636.50
1/8	58.17	1/8	218.14	1/8	387.07	1/8	564.41	1/8	743.72	1/8	923.02	1/8	1,102.32	1/8	1,281.62	1/8	1,460.93	1/8	1,640.24
1/4	61.44	1/4	221.60	1/4	390.71	1/4	568.14	1/4	747.45	1/4	926.75	1/4	1,106.05	1/4	1,285.36	1/4	1,464.66	1/4	1,643.97
3/8	64.70	3/8	225.05	3/8	394.35	3/8	571.88	3/8	751.19	3/8	930.49	3/8	1,109.79	3/8	1,289.09	3/8	1,468.40	3/8	1,647.71
1/2	67.97	1/2	228.50	1/2	397.99	1/2	575.61	1/2	754.92	1/2	934.22	1/2	1,113.52	1/2	1,292.83	1/2	1,472.13	1/2	1,651.44
5/8	71.24	5/8	231.96	5/8	401.63	5/8	579.35	5/8	758.66	5/8	937.96	5/8	1,117.26	5/8	1,296.56	5/8	1,475.87	5/8	1,655.18
3/4	74.51	3/4	235.41	3/4	405.27	3/4	583.09	3/4	762.39	3/4	941.69	3/4	1,121.00	3/4	1,300.30	3/4	1,479.61	3/4	1,658.91
7/8	77.77	7/8	238.87	7/8	408.91	7/8	586.82	7/8	766.13	7/8	945.43	7/8	1,124.73	7/8	1,304.03	7/8	1,483.34	7/8	1,662.65
3	81.04	9	242.32	3	412.55	9	590.56	3	769.86	9	949.16	3	1,128.47	9	1,307.77	3	1,487.08	9	1,666.38
1/8	84.31	1/8	245.77	1/8	416.19	1/8	594.30	1/8	773.60	1/8	952.90	1/8	1,132.20	1/8	1,311.51	1/8	1,490.82	1/8	1,670.12
1/4	87.57	1/4	249.23	1/4	419.83	1/4	598.03	1/4	777.33	1/4	956.63	1/4	1,135.94	1/4	1,315.24	1/4	1,494.55	1/4	1,673.85
3/8	90.84	3/8	252.68	3/8	423.47	3/8	601.77	3/8	781.07	3/8	960.37	3/8	1,139.67	3/8	1,318.98	3/8	1,498.29	3/8	1,677.58
1/2	94.10	1/2	256.13	1/2	427.11	1/2	605.50	1/2	784.80	1/2	964.10	1/2	1,143.41	1/2	1,322.71	1/2	1,502.02	1/2	1,681.32
5/8	97.37	5/8	259.58	5/8	430.75	5/8	609.24	5/8	788.54	5/8	967.84	5/8	1,147.14	5/8	1,326.45	5/8	1,505.76	5/8	1,685.05
3/4	100.64	3/4	263.04	3/4	434.39	3/4	612.97	3/4	792.27	3/4	971.58	3/4	1,150.88	3/4	1,330.19	3/4	1,509.49	3/4	1,688.79
7/8	103.90	7/8	266.49	7/8	438.03	7/8	616.71	7/8	796.01	7/8	975.31	7/8	1,154.61	7/8	1,333.92	7/8	1,513.23	7/8	1,692.52
4	107.17	10	269.94	4	441.67	10	620.44	4	799.74	10	979.05	4	1,158.35	10	1,337.66	4	1,516.96	10	1,696.26
1/8	110.50	1/8	273.46	1/8	445.37	1/8	624.18	1/8	803.48	1/8	982.78	1/8	1,162.09	1/8	1,341.40	1/8	1,520.70	1/8	1,700.00
1/4	113.83	1/4	276.97	1/4	449.07	1/4	627.91	1/4	807.21	1/4	986.52	1/4	1,165.82	1/4	1,345.13	1/4	1,524.43	1/4	1,703.73
3/8	117.16	3/8	280.49	3/8	452.78	3/8	631.65	3/8	810.95	3/8	990.25	3/8	1,169.56	3/8	1,348.87	3/8	1,528.17	3/8	1,707.47
1/2	120.48	1/2	284.00	1/2	456.48	1/2	635.38	1/2	814.68	1/2	993.99	1/2	1,173.29	1/2	1,352.60	1/2	1,531.90	1/2	1,711.20
5/8	123.81	5/8	287.52	5/8	460.18	5/8	639.12	5/8	818.42	5/8	997.72	5/8	1,177.03	5/8	1,356.34	5/8	1,535.64	5/8	1,714.94
3/4	127.14	3/4	291.04	3/4	463.88	3/4	642.85	3/4	822.16	3/4	1,001.46	3/4	1,180.77	3/4	1,360.07	3/4	1,539.37	3/4	1,718.68
7/8	130.47	7/8	294.55	7/8	467.59	7/8	646.59	7/8	825.89	7/8	1,005.19	7/8	1,184.50	7/8	1,363.81	7/8	1,543.11	7/8	1,722.41
5	133.80	11	298.07	5	471.29	11	650.32	5	829.63	11	1,008.93	5	1,188.24	11	1,367.54	5	1,546.84	11	1,726.15
1/8	137.13	1/8	301.58	1/8	474.99	1/8	654.06	1/8	833.36	1/8	1,012.67	1/8	1,191.98	1/8	1,371.28	1/8	1,550.58	1/8	1,729.88
1/4	140.46	1/4	305.10	1/4	478.69	1/4	657.79	1/4	837.10	1/4	1,016.40	1/4	1,195.71	1/4	1,375.01	1/4	1,554.31	1/4	1,733.62
3/8	143.79	3/8	308.61	3/8	482.39	3/8	661.53	3/8	840.83	3/8	1,020.14	3/8	1,199.45	3/8	1,378.75	3/8	1,558.05	3/8	1,737.35
1/2	147.12	1/2	312.13	1/2	486.09	1/2	665.26	1/2	844.57	1/2	1,023.87	1/2	1,203.18	1/2	1,382.48	1/2	1,561.78	1/2	1,741.09
5/8	150.44	5/8	315.64	5/8	489.80	5/8	669.00	5/8	848.30	5/8	1,027.61	5/8	1,206.92	5/8	1,386.22	5/8	1,565.52	5/8	1,744.82
3/4	153.77	3/4	319.16	3/4	493.50	3/4	672.74	3/4	852.04	3/4	1,031.35	3/4	1,210.65	3/4	1,389.95	3/4	1,569.26	3/4	1,748.56
7/8	157.10	7/8	322.67	7/8	497.20	7/8	676.47	7/8	855.77	7/8	1,035.08	7/8	1,214.39	7/8	1,393.69	7/8	1,572.99	7/8	1,752.29

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" "HERMETIC" VALVE.

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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BARGE "KIRBY 29149"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30028"

GAUGE HEIGHT 15'-09 3/4"

IN	5 FT.	IN	5 FT.	IN	6 FT.	IN	6 FT.	IN	7 FT.	IN	7 FT.	IN	8 FT.	IN	8 FT.	IN	9 FT.	IN	9 FT.
0	1,756.03	6	1,935.34	0	2,114.64	6	2,293.94	0	2,473.25	6	2,652.55	0	2,831.86	6	3,011.16	0	3,190.46	6	3,369.77
1/8	1,759.77	1/8	1,939.07	1/8	2,118.37	1/8	2,297.68	1/8	2,476.99	1/8	2,656.29	1/8	2,835.60	1/8	3,014.90	1/8	3,194.20	1/8	3,373.50
1/4	1,763.50	1/4	1,942.81	1/4	2,122.11	1/4	2,301.41	1/4	2,480.72	1/4	2,660.02	1/4	2,839.33	1/4	3,018.63	1/4	3,197.93	1/4	3,377.24
3/8	1,767.24	3/8	1,946.54	3/8	2,125.84	3/8	2,305.15	3/8	2,484.46	3/8	2,663.76	3/8	2,843.07	3/8	3,022.37	3/8	3,201.67	3/8	3,380.97
1/2	1,770.97	1/2	1,950.28	1/2	2,129.58	1/2	2,308.88	1/2	2,488.19	1/2	2,667.49	1/2	2,846.80	1/2	3,026.10	1/2	3,205.40	1/2	3,384.71
5/8	1,774.71	5/8	1,954.01	5/8	2,133.31	5/8	2,312.62	5/8	2,491.93	5/8	2,671.23	5/8	2,850.54	5/8	3,029.84	5/8	3,209.14	5/8	3,388.44
3/4	1,778.45	3/4	1,957.75	3/4	2,137.05	3/4	2,316.36	3/4	2,495.66	3/4	2,674.97	3/4	2,854.27	3/4	3,033.57	3/4	3,212.88	3/4	3,392.18
7/8	1,782.18	7/8	1,961.48	7/8	2,140.78	7/8	2,320.09	7/8	2,499.40	7/8	2,678.70	7/8	2,858.01	7/8	3,037.31	7/8	3,216.61	7/8	3,395.91
1	1,785.92	7	1,965.22	1	2,144.52	7	2,323.83	1	2,503.14	7	2,682.44	1	2,861.74	7	3,041.04	1	3,220.35	7	3,399.65
1/8	1,789.65	1/8	1,968.95	1/8	2,148.26	1/8	2,327.56	1/8	2,506.87	1/8	2,686.18	1/8	2,865.48	1/8	3,044.78	1/8	3,224.08	1/8	3,403.39
1/4	1,793.39	1/4	1,972.69	1/4	2,151.99	1/4	2,331.30	1/4	2,510.61	1/4	2,689.91	1/4	2,869.21	1/4	3,048.51	1/4	3,227.82	1/4	3,407.12
3/8	1,797.12	3/8	1,976.42	3/8	2,155.73	3/8	2,335.03	3/8	2,514.34	3/8	2,693.65	3/8	2,872.95	3/8	3,052.25	3/8	3,231.55	3/8	3,410.86
1/2	1,800.86	1/2	1,980.16	1/2	2,159.46	1/2	2,338.77	1/2	2,518.08	1/2	2,697.38	1/2	2,876.68	1/2	3,055.98	1/2	3,235.29	1/2	3,414.59
5/8	1,804.59	5/8	1,983.89	5/8	2,163.20	5/8	2,342.50	5/8	2,521.81	5/8	2,701.12	5/8	2,880.42	5/8	3,059.72	5/8	3,239.02	5/8	3,418.33
3/4	1,808.33	3/4	1,987.63	3/4	2,166.94	3/4	2,346.24	3/4	2,525.55	3/4	2,704.85	3/4	2,884.15	3/4	3,063.46	3/4	3,242.76	3/4	3,422.07
7/8	1,812.06	7/8	1,991.36	7/8	2,170.67	7/8	2,349.97	7/8	2,529.28	7/8	2,708.59	7/8	2,887.89	7/8	3,067.19	7/8	3,246.49	7/8	3,425.80
2	1,815.80	8	1,995.10	2	2,174.41	8	2,353.71	2	2,533.02	8	2,712.32	2	2,891.62	8	3,070.93	2	3,250.23	8	3,429.54
1/8	1,819.53	1/8	1,998.84	1/8	2,178.14	1/8	2,357.45	1/8	2,536.75	1/8	2,716.06	1/8	2,895.36	1/8	3,074.66	1/8	3,253.97	1/8	3,433.28
1/4	1,823.27	1/4	2,002.57	1/4	2,181.88	1/4	2,361.18	1/4	2,540.49	1/4	2,719.79	1/4	2,899.09	1/4	3,078.40	1/4	3,257.70	1/4	3,437.01
3/8	1,827.00	3/8	2,006.31	3/8	2,185.61	3/8	2,364.92	3/8	2,544.22	3/8	2,723.53	3/8	2,902.83	3/8	3,082.13	3/8	3,261.44	3/8	3,440.75
1/2	1,830.74	1/2	2,010.04	1/2	2,189.35	1/2	2,368.65	1/2	2,547.96	1/2	2,727.26	1/2	2,906.56	1/2	3,085.87	1/2	3,265.17	1/2	3,444.48
5/8	1,834.47	5/8	2,013.78	5/8	2,193.08	5/8	2,372.39	5/8	2,551.69	5/8	2,731.00	5/8	2,910.30	5/8	3,089.60	5/8	3,268.91	5/8	3,448.22
3/4	1,838.21	3/4	2,017.52	3/4	2,196.82	3/4	2,376.13	3/4	2,555.43	3/4	2,734.73	3/4	2,914.04	3/4	3,093.34	3/4	3,272.65	3/4	3,451.95
7/8	1,841.94	7/8	2,021.25	7/8	2,200.55	7/8	2,379.86	7/8	2,559.16	7/8	2,738.47	7/8	2,917.77	7/8	3,097.07	7/8	3,276.38	7/8	3,455.69
3	1,845.68	9	2,024.99	3	2,204.29	9	2,383.60	3	2,562.90	9	2,742.20	3	2,921.51	9	3,100.81	3	3,280.12	9	3,459.42
1/8	1,849.42	1/8	2,028.72	1/8	2,208.03	1/8	2,387.34	1/8	2,566.63	1/8	2,745.94	1/8	2,925.24	1/8	3,104.55	1/8	3,283.86	1/8	3,463.16
1/4	1,853.15	1/4	2,032.46	1/4	2,211.76	1/4	2,391.07	1/4	2,570.37	1/4	2,749.67	1/4	2,928.98	1/4	3,108.28	1/4	3,287.59	1/4	3,466.89
3/8	1,856.89	3/8	2,036.19	3/8	2,215.50	3/8	2,394.81	3/8	2,574.10	3/8	2,753.41	3/8	2,932.71	3/8	3,112.02	3/8	3,291.33	3/8	3,470.63
1/2	1,860.62	1/2	2,039.93	1/2	2,219.23	1/2	2,398.54	1/2	2,577.84	1/2	2,757.14	1/2	2,936.45	1/2	3,115.75	1/2	3,295.06	1/2	3,474.36
5/8	1,864.36	5/8	2,043.66	5/8	2,222.97	5/8	2,402.28	5/8	2,581.57	5/8	2,760.88	5/8	2,940.18	5/8	3,119.49	5/8	3,298.80	5/8	3,478.10
3/4	1,868.10	3/4	2,047.40	3/4	2,226.71	3/4	2,406.01	3/4	2,585.31	3/4	2,764.62	3/4	2,943.92	3/4	3,123.23	3/4	3,302.53	3/4	3,481.83
7/8	1,871.83	7/8	2,051.13	7/8	2,230.44	7/8	2,409.75	7/8	2,589.05	7/8	2,768.35	7/8	2,947.65	7/8	3,126.96	7/8	3,306.27	7/8	3,485.57
4	1,875.57	10	2,054.87	4	2,234.18	10	2,413.48	4	2,592.78	10	2,772.09	4	2,951.39	10	3,130.70	4	3,310.00	10	3,489.30
1/8	1,879.30	1/8	2,058.61	1/8	2,237.91	1/8	2,417.22	1/8	2,596.52	1/8	2,775.82	1/8	2,955.13	1/8	3,134.44	1/8	3,313.74	1/8	3,493.04
1/4	1,883.04	1/4	2,062.34	1/4	2,241.65	1/4	2,420.95	1/4	2,600.25	1/4	2,779.56	1/4	2,958.86	1/4	3,138.17	1/4	3,317.47	1/4	3,496.77
3/8	1,886.77	3/8	2,066.08	3/8	2,245.38	3/8	2,424.69	3/8	2,603.99	3/8	2,783.29	3/8	2,962.60	3/8	3,141.91	3/8	3,321.21	3/8	3,500.51
1/2	1,890.51	1/2	2,069.81	1/2	2,249.12	1/2	2,428.42	1/2	2,607.72	1/2	2,787.03	1/2	2,966.33	1/2	3,145.64	1/2	3,324.94	1/2	3,504.24
5/8	1,894.24	5/8	2,073.55	5/8	2,252.85	5/8	2,432.16	5/8	2,611.46	5/8	2,790.76	5/8	2,970.07	5/8	3,149.38	5/8	3,328.68	5/8	3,507.98
3/4	1,897.98	3/4	2,077.29	3/4	2,256.59	3/4	2,435.89	3/4	2,615.20	3/4	2,794.50	3/4	2,973.81	3/4	3,153.11	3/4	3,332.41	3/4	3,511.72
7/8	1,901.71	7/8	2,081.02	7/8	2,260.32	7/8	2,439.63	7/8	2,618.93	7/8	2,798.23	7/8	2,977.54	7/8	3,156.85	7/8	3,336.15	7/8	3,515.45
5	1,905.45	11	2,084.76	5	2,264.06	11	2,443.36	5	2,622.67	11	2,801.97	5	2,981.28	11	3,160.58	5	3,339.88	11	3,519.19
1/8	1,909.19	1/8	2,088.49	1/8	2,267.79	1/8	2,447.10	1/8	2,626.40	1/8	2,805.71	1/8	2,985.02	1/8	3,164.32	1/8	3,343.62	1/8	3,522.92
1/4	1,912.92	1/4	2,092.23	1/4	2,271.53	1/4	2,450.83	1/4	2,630.14	1/4	2,809.44	1/4	2,988.75	1/4	3,168.05	1/4	3,347.35	1/4	3,526.66
3/8	1,916.66	3/8	2,095.96	3/8	2,275.26	3/8	2,454.57	3/8	2,633.87	3/8	2,813.18	3/8	2,992.49	3/8	3,171.79	3/8	3,351.09	3/8	3,530.39
1/2	1,920.39	1/2	2,099.70	1/2	2,279.00	1/2	2,458.30	1/2	2,637.61	1/2	2,816.91	1/2	2,996.22	1/2	3,175.52	1/2	3,354.82	1/2	3,534.13
5/8	1,924.13	5/8	2,103.43	5/8	2,282.73	5/8	2,462.04	5/8	2,641.34	5/8	2,820.65	5/8	2,999.96	5/8	3,179.26	5/8	3,358.56	5/8	3,537.86
3/4	1,927.87	3/4	2,107.17	3/4	2,286.47	3/4	2,465.78	3/4	2,645.08	3/4	2,824.39	3/4	3,003.69	3/4	3,182.99	3/4	3,362.30	3/4	3,541.60
7/8	1,931.60	7/8	2,110.90	7/8	2,290.21	7/8	2,469.51	7/8	2,648.81	7/8	2,828.12	7/8	3,007.43	7/8	3,186.73	7/8	3,366.03	7/8	3,545.33

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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BARGE "KIRBY 29149"

1 STBD

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30028"

GAUGE HEIGHT 15'-09"

IN	0 FT.	IN	0 FT.	IN	1 FT.	IN	1 FT.	IN	2 FT.	IN	2 FT.	IN	3 FT.	IN	3 FT.	IN	4 FT.	IN	4 FT.
0	15.36	6	160.43	0	326.19	6	500.90	0	680.21	6	859.51	0	1,038.82	6	1,218.12	0	1,397.42	6	1,576.73
1/8	17.47	1/8	163.82	1/8	329.77	1/8	504.64	1/8	683.94	1/8	863.25	1/8	1,042.56	1/8	1,221.86	1/8	1,401.16	1/8	1,580.46
1/4	19.57	1/4	167.21	1/4	333.34	1/4	508.37	1/4	687.68	1/4	866.98	1/4	1,046.29	1/4	1,225.59	1/4	1,404.89	1/4	1,584.20
3/8	21.68	3/8	170.60	3/8	336.92	3/8	512.11	3/8	691.41	3/8	870.72	3/8	1,050.03	3/8	1,229.33	3/8	1,408.63	3/8	1,587.93
1/2	23.78	1/2	174.00	1/2	340.50	1/2	515.84	1/2	695.15	1/2	874.45	1/2	1,053.76	1/2	1,233.06	1/2	1,412.36	1/2	1,591.67
5/8	25.89	5/8	177.39	5/8	344.08	5/8	519.58	5/8	698.88	5/8	878.19	5/8	1,057.50	5/8	1,236.80	5/8	1,416.10	5/8	1,595.40
3/4	27.99	3/4	180.78	3/4	347.65	3/4	523.32	3/4	702.62	3/4	881.93	3/4	1,061.23	3/4	1,240.53	3/4	1,419.84	3/4	1,599.14
7/8	30.10	7/8	184.17	7/8	351.23	7/8	527.05	7/8	706.35	7/8	885.66	7/8	1,064.97	7/8	1,244.27	7/8	1,423.57	7/8	1,602.87
1	32.20	7	187.56	1	354.81	7	530.79	1	710.09	7	889.40	1	1,068.70	7	1,248.00	1	1,427.31	7	1,606.61
1/8	35.04	1/8	190.95	1/8	358.39	1/8	534.52	1/8	713.83	1/8	893.14	1/8	1,072.44	1/8	1,251.74	1/8	1,431.04	1/8	1,610.35
1/4	37.88	1/4	194.34	1/4	361.96	1/4	538.26	1/4	717.56	1/4	896.87	1/4	1,076.17	1/4	1,255.47	1/4	1,434.78	1/4	1,614.08
3/8	40.71	3/8	197.73	3/8	365.54	3/8	541.99	3/8	721.30	3/8	900.61	3/8	1,079.91	3/8	1,259.21	3/8	1,438.51	3/8	1,617.82
1/2	43.55	1/2	201.12	1/2	369.12	1/2	545.73	1/2	725.03	1/2	904.34	1/2	1,083.64	1/2	1,262.94	1/2	1,442.25	1/2	1,621.55
5/8	46.39	5/8	204.52	5/8	372.70	5/8	549.46	5/8	728.77	5/8	908.08	5/8	1,087.38	5/8	1,266.68	5/8	1,445.98	5/8	1,625.29
3/4	49.23	3/4	207.91	3/4	376.27	3/4	553.20	3/4	732.51	3/4	911.81	3/4	1,091.11	3/4	1,270.42	3/4	1,449.72	3/4	1,629.03
7/8	52.06	7/8	211.30	7/8	379.85	7/8	556.93	7/8	736.24	7/8	915.55	7/8	1,094.85	7/8	1,274.15	7/8	1,453.45	7/8	1,632.76
2	54.90	8	214.69	2	383.43	8	560.67	2	739.98	8	919.28	2	1,098.58	8	1,277.89	2	1,457.19	8	1,636.50
1/8	58.17	1/8	218.14	1/8	387.07	1/8	564.41	1/8	743.72	1/8	923.02	1/8	1,102.32	1/8	1,281.62	1/8	1,460.93	1/8	1,640.24
1/4	61.44	1/4	221.60	1/4	390.71	1/4	568.14	1/4	747.45	1/4	926.75	1/4	1,106.05	1/4	1,285.36	1/4	1,464.66	1/4	1,643.97
3/8	64.70	3/8	225.05	3/8	394.35	3/8	571.88	3/8	751.19	3/8	930.49	3/8	1,109.79	3/8	1,289.09	3/8	1,468.40	3/8	1,647.71
1/2	67.97	1/2	228.50	1/2	397.99	1/2	575.61	1/2	754.92	1/2	934.22	1/2	1,113.52	1/2	1,292.83	1/2	1,472.13	1/2	1,651.44
5/8	71.24	5/8	231.96	5/8	401.63	5/8	579.35	5/8	758.66	5/8	937.96	5/8	1,117.26	5/8	1,296.56	5/8	1,475.87	5/8	1,655.18
3/4	74.51	3/4	235.41	3/4	405.27	3/4	583.09	3/4	762.39	3/4	941.69	3/4	1,121.00	3/4	1,300.30	3/4	1,479.61	3/4	1,658.91
7/8	77.77	7/8	238.87	7/8	408.91	7/8	586.82	7/8	766.13	7/8	945.43	7/8	1,124.73	7/8	1,304.03	7/8	1,483.34	7/8	1,662.65
3	81.04	9	242.32	3	412.55	9	590.56	3	769.86	9	949.16	3	1,128.47	9	1,307.77	3	1,487.08	9	1,666.38
1/8	84.31	1/8	245.77	1/8	416.19	1/8	594.30	1/8	773.60	1/8	952.90	1/8	1,132.20	1/8	1,311.51	1/8	1,490.82	1/8	1,670.12
1/4	87.57	1/4	249.23	1/4	419.83	1/4	598.03	1/4	777.33	1/4	956.63	1/4	1,135.94	1/4	1,315.24	1/4	1,494.55	1/4	1,673.85
3/8	90.84	3/8	252.68	3/8	423.47	3/8	601.77	3/8	781.07	3/8	960.37	3/8	1,139.67	3/8	1,318.98	3/8	1,498.29	3/8	1,677.58
1/2	94.10	1/2	256.13	1/2	427.11	1/2	605.50	1/2	784.80	1/2	964.10	1/2	1,143.41	1/2	1,322.71	1/2	1,502.02	1/2	1,681.32
5/8	97.37	5/8	259.58	5/8	430.75	5/8	609.24	5/8	788.54	5/8	967.84	5/8	1,147.14	5/8	1,326.45	5/8	1,505.76	5/8	1,685.05
3/4	100.64	3/4	263.04	3/4	434.39	3/4	612.97	3/4	792.27	3/4	971.58	3/4	1,150.88	3/4	1,330.19	3/4	1,509.49	3/4	1,688.79
7/8	103.90	7/8	266.49	7/8	438.03	7/8	616.71	7/8	796.01	7/8	975.31	7/8	1,154.61	7/8	1,333.92	7/8	1,513.23	7/8	1,692.52
4	107.17	10	269.94	4	441.67	10	620.44	4	799.74	10	979.05	4	1,158.35	10	1,337.66	4	1,516.96	10	1,696.26
1/8	110.50	1/8	273.46	1/8	445.37	1/8	624.18	1/8	803.48	1/8	982.78	1/8	1,162.09	1/8	1,341.40	1/8	1,520.70	1/8	1,700.00
1/4	113.83	1/4	276.97	1/4	449.07	1/4	627.91	1/4	807.21	1/4	986.52	1/4	1,165.82	1/4	1,345.13	1/4	1,524.43	1/4	1,703.73
3/8	117.16	3/8	280.49	3/8	452.78	3/8	631.65	3/8	810.95	3/8	990.25	3/8	1,169.56	3/8	1,348.87	3/8	1,528.17	3/8	1,707.47
1/2	120.48	1/2	284.00	1/2	456.48	1/2	635.38	1/2	814.68	1/2	993.99	1/2	1,173.29	1/2	1,352.60	1/2	1,531.90	1/2	1,711.20
5/8	123.81	5/8	287.52	5/8	460.18	5/8	639.12	5/8	818.42	5/8	997.72	5/8	1,177.03	5/8	1,356.34	5/8	1,535.64	5/8	1,714.94
3/4	127.14	3/4	291.04	3/4	463.88	3/4	642.85	3/4	822.16	3/4	1,001.46	3/4	1,180.77	3/4	1,360.07	3/4	1,539.37	3/4	1,718.68
7/8	130.47	7/8	294.55	7/8	467.59	7/8	646.59	7/8	825.89	7/8	1,005.19	7/8	1,184.50	7/8	1,363.81	7/8	1,543.11	7/8	1,722.41
5	133.80	11	298.07	5	471.29	11	650.32	5	829.63	11	1,008.93	5	1,188.24	11	1,367.54	5	1,546.84	11	1,726.15
1/8	137.13	1/8	301.58	1/8	474.99	1/8	654.06	1/8	833.36	1/8	1,012.67	1/8	1,191.98	1/8	1,371.28	1/8	1,550.58	1/8	1,729.88
1/4	140.46	1/4	305.10	1/4	478.69	1/4	657.79	1/4	837.10	1/4	1,016.40	1/4	1,195.71	1/4	1,375.01	1/4	1,554.31	1/4	1,733.62
3/8	143.79	3/8	308.61	3/8	482.39	3/8	661.53	3/8	840.83	3/8	1,020.14	3/8	1,199.45	3/8	1,378.75	3/8	1,558.05	3/8	1,737.35
1/2	147.12	1/2	312.13	1/2	486.09	1/2	665.26	1/2	844.57	1/2	1,023.87	1/2	1,203.18	1/2	1,382.48	1/2	1,561.78	1/2	1,741.09
5/8	150.44	5/8	315.64	5/8	489.80	5/8	669.00	5/8	848.30	5/8	1,027.61	5/8	1,206.92	5/8	1,386.22	5/8	1,565.52	5/8	1,744.82
3/4	153.77	3/4	319.16	3/4	493.50	3/4	672.74	3/4	852.04	3/4	1,031.35	3/4	1,210.65	3/4	1,389.95	3/4	1,569.26	3/4	1,748.56
7/8	157.10	7/8	322.67	7/8	497.20	7/8	676.47	7/8	855.77	7/8	1,035.08	7/8	1,214.39	7/8	1,393.69	7/8	1,572.99	7/8	1,752.29

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" "HERMETIC" VALVE.

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "KIRBY 29149"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30028"

GAUGE HEIGHT 15'-09"

IN	5 FT.	IN	5 FT.	IN	6 FT.	IN	6 FT.	IN	7 FT.	IN	7 FT.	IN	8 FT.	IN	8 FT.	IN	9 FT.	IN	9 FT.
0	1,796.30	6	1,975.89	0	2,155.48	6	2,335.07	0	2,514.66	6	2,694.26	0	2,873.85	6	3,053.44	0	3,233.03	6	3,412.62
1/8	1,800.04	1/8	1,979.63	1/8	2,159.22	1/8	2,338.81	1/8	2,518.40	1/8	2,698.00	1/8	2,877.59	1/8	3,057.18	1/8	3,236.77	1/8	3,416.36
1/4	1,803.78	1/4	1,983.37	1/4	2,162.96	1/4	2,342.55	1/4	2,522.15	1/4	2,701.74	1/4	2,881.33	1/4	3,060.92	1/4	3,240.51	1/4	3,420.11
3/8	1,807.52	3/8	1,987.11	3/8	2,166.70	3/8	2,346.29	3/8	2,525.89	3/8	2,705.48	3/8	2,885.07	3/8	3,064.66	3/8	3,244.25	3/8	3,423.85
1/2	1,811.26	1/2	1,990.86	1/2	2,170.45	1/2	2,350.04	1/2	2,529.63	1/2	2,709.22	1/2	2,888.82	1/2	3,068.41	1/2	3,248.00	1/2	3,427.59
5/8	1,815.01	5/8	1,994.60	5/8	2,174.19	5/8	2,353.78	5/8	2,533.37	5/8	2,712.97	5/8	2,892.56	5/8	3,072.15	5/8	3,251.74	5/8	3,431.33
3/4	1,818.75	3/4	1,998.34	3/4	2,177.93	3/4	2,357.52	3/4	2,537.11	3/4	2,716.71	3/4	2,896.30	3/4	3,075.89	3/4	3,255.48	3/4	3,435.08
7/8	1,822.49	7/8	2,002.08	7/8	2,181.67	7/8	2,361.26	7/8	2,540.86	7/8	2,720.45	7/8	2,900.04	7/8	3,079.63	7/8	3,259.22	7/8	3,438.82
1	1,826.23	7	2,005.82	1	2,185.41	7	2,365.00	1	2,544.60	7	2,724.19	1	2,903.78	7	3,083.37	1	3,262.96	7	3,442.56
1/8	1,829.97	1/8	2,009.56	1/8	2,189.15	1/8	2,368.74	1/8	2,548.34	1/8	2,727.93	1/8	2,907.52	1/8	3,087.11	1/8	3,266.70	1/8	3,446.30
1/4	1,833.71	1/4	2,013.30	1/4	2,192.89	1/4	2,372.49	1/4	2,552.08	1/4	2,731.67	1/4	2,911.26	1/4	3,090.85	1/4	3,270.45	1/4	3,450.04
3/8	1,837.45	3/8	2,017.04	3/8	2,196.63	3/8	2,376.23	3/8	2,555.82	3/8	2,735.41	3/8	2,915.00	3/8	3,094.59	3/8	3,274.19	3/8	3,453.78
1/2	1,841.20	1/2	2,020.79	1/2	2,200.38	1/2	2,379.97	1/2	2,559.56	1/2	2,739.16	1/2	2,918.75	1/2	3,098.34	1/2	3,277.93	1/2	3,457.52
5/8	1,844.94	5/8	2,024.53	5/8	2,204.12	5/8	2,383.71	5/8	2,563.31	5/8	2,742.90	5/8	2,922.49	5/8	3,102.08	5/8	3,281.67	5/8	3,461.27
3/4	1,848.68	3/4	2,028.27	3/4	2,207.86	3/4	2,387.45	3/4	2,567.05	3/4	2,746.64	3/4	2,926.23	3/4	3,105.82	3/4	3,285.42	3/4	3,465.01
7/8	1,852.42	7/8	2,032.01	7/8	2,211.60	7/8	2,391.20	7/8	2,570.79	7/8	2,750.38	7/8	2,929.97	7/8	3,109.56	7/8	3,289.16	7/8	3,468.75
2	1,856.16	8	2,035.75	2	2,215.34	8	2,394.94	2	2,574.53	8	2,754.12	2	2,933.71	8	3,113.30	2	3,292.90	8	3,472.49
1/8	1,859.90	1/8	2,039.49	1/8	2,219.08	1/8	2,398.68	1/8	2,578.27	1/8	2,757.86	1/8	2,937.45	1/8	3,117.04	1/8	3,296.64	1/8	3,476.23
1/4	1,863.64	1/4	2,043.23	1/4	2,222.83	1/4	2,402.42	1/4	2,582.01	1/4	2,761.60	1/4	2,941.19	1/4	3,120.79	1/4	3,300.38	1/4	3,479.97
3/8	1,867.38	3/8	2,046.97	3/8	2,226.57	3/8	2,406.16	3/8	2,585.75	3/8	2,765.34	3/8	2,944.93	3/8	3,124.53	3/8	3,304.12	3/8	3,483.71
1/2	1,871.13	1/2	2,050.72	1/2	2,230.31	1/2	2,409.90	1/2	2,589.50	1/2	2,769.09	1/2	2,948.68	1/2	3,128.27	1/2	3,307.86	1/2	3,487.46
5/8	1,874.87	5/8	2,054.46	5/8	2,234.05	5/8	2,413.65	5/8	2,593.24	5/8	2,772.83	5/8	2,952.42	5/8	3,132.01	5/8	3,311.61	5/8	3,491.20
3/4	1,878.61	3/4	2,058.20	3/4	2,237.79	3/4	2,417.39	3/4	2,596.98	3/4	2,776.57	3/4	2,956.16	3/4	3,135.76	3/4	3,315.35	3/4	3,494.94
7/8	1,882.35	7/8	2,061.94	7/8	2,241.54	7/8	2,421.13	7/8	2,600.72	7/8	2,780.31	7/8	2,959.90	7/8	3,139.50	7/8	3,319.09	7/8	3,498.68
3	1,886.09	9	2,065.68	3	2,245.28	9	2,424.87	3	2,604.46	9	2,784.05	3	2,963.64	9	3,143.24	3	3,322.83	9	3,502.42
1/8	1,889.83	1/8	2,069.42	1/8	2,249.02	1/8	2,428.61	1/8	2,608.20	1/8	2,787.79	1/8	2,967.38	1/8	3,146.98	1/8	3,326.57	1/8	3,506.16
1/4	1,893.57	1/4	2,073.17	1/4	2,252.76	1/4	2,432.35	1/4	2,611.94	1/4	2,791.53	1/4	2,971.13	1/4	3,150.72	1/4	3,330.31	1/4	3,509.90
3/8	1,897.31	3/8	2,076.91	3/8	2,256.50	3/8	2,436.09	3/8	2,615.68	3/8	2,795.27	3/8	2,974.87	3/8	3,154.46	3/8	3,334.05	3/8	3,513.64
1/2	1,901.06	1/2	2,080.65	1/2	2,260.24	1/2	2,439.84	1/2	2,619.43	1/2	2,799.02	1/2	2,978.61	1/2	3,158.20	1/2	3,337.80	1/2	3,517.39
5/8	1,904.80	5/8	2,084.39	5/8	2,263.99	5/8	2,443.58	5/8	2,623.17	5/8	2,802.76	5/8	2,982.35	5/8	3,161.95	5/8	3,341.54	5/8	3,521.13
3/4	1,908.54	3/4	2,088.13	3/4	2,267.73	3/4	2,447.32	3/4	2,626.91	3/4	2,806.50	3/4	2,986.10	3/4	3,165.69	3/4	3,345.28	3/4	3,524.87
7/8	1,912.28	7/8	2,091.88	7/8	2,271.47	7/8	2,451.06	7/8	2,630.65	7/8	2,810.24	7/8	2,989.84	7/8	3,169.43	7/8	3,349.02	7/8	3,528.61
4	1,916.02	10	2,095.62	4	2,275.21	10	2,454.80	4	2,634.39	10	2,813.98	4	2,993.58	10	3,173.17	4	3,352.76	10	3,532.35
1/8	1,919.76	1/8	2,099.36	1/8	2,278.95	1/8	2,458.54	1/8	2,638.13	1/8	2,817.72	1/8	2,997.32	1/8	3,176.91	1/8	3,356.50	1/8	3,536.09
1/4	1,923.51	1/4	2,103.10	1/4	2,282.69	1/4	2,462.28	1/4	2,641.87	1/4	2,821.47	1/4	3,001.06	1/4	3,180.65	1/4	3,360.24	1/4	3,539.83
3/8	1,927.25	3/8	2,106.84	3/8	2,286.43	3/8	2,466.02	3/8	2,645.61	3/8	2,825.21	3/8	3,004.80	3/8	3,184.39	3/8	3,363.98	3/8	3,543.57
1/2	1,930.99	1/2	2,110.58	1/2	2,290.18	1/2	2,469.77	1/2	2,649.36	1/2	2,828.95	1/2	3,008.54	1/2	3,188.14	1/2	3,367.73	1/2	3,547.32
5/8	1,934.73	5/8	2,114.33	5/8	2,293.92	5/8	2,473.51	5/8	2,653.10	5/8	2,832.69	5/8	3,012.29	5/8	3,191.88	5/8	3,371.47	5/8	3,551.06
3/4	1,938.47	3/4	2,118.07	3/4	2,297.66	3/4	2,477.25	3/4	2,656.84	3/4	2,836.44	3/4	3,016.03	3/4	3,195.62	3/4	3,375.21	3/4	3,554.80
7/8	1,942.22	7/8	2,121.81	7/8	2,301.40	7/8	2,480.99	7/8	2,660.58	7/8	2,840.18	7/8	3,019.77	7/8	3,199.36	7/8	3,378.95	7/8	3,558.54
5	1,945.96	11	2,125.55	5	2,305.14	11	2,484.73	5	2,664.32	11	2,843.92	5	3,023.51	11	3,203.10	5	3,382.69	11	3,562.28
1/8	1,949.70	1/8	2,129.29	1/8	2,308.88	1/8	2,488.47	1/8	2,668.06	1/8	2,847.66	1/8	3,027.25	1/8	3,206.84	1/8	3,386.43	1/8	3,566.02
1/4	1,953.44	1/4	2,133.03	1/4	2,312.62	1/4	2,492.21	1/4	2,671.81	1/4	2,851.40	1/4	3,030.99	1/4	3,210.58	1/4	3,390.17	1/4	3,569.77
3/8	1,957.18	3/8	2,136.77	3/8	2,316.36	3/8	2,495.95	3/8	2,675.55	3/8	2,855.14	3/8	3,034.73	3/8	3,214.32	3/8	3,393.91	3/8	3,573.51
1/2	1,960.92	1/2	2,140.52	1/2	2,320.11	1/2	2,499.70	1/2	2,679.29	1/2	2,858.88	1/2	3,038.48	1/2	3,218.07	1/2	3,397.66	1/2	3,577.25
5/8	1,964.67	5/8	2,144.26	5/8	2,323.85	5/8	2,503.44	5/8	2,683.03	5/8	2,862.63	5/8	3,042.22	5/8	3,221.81	5/8	3,401.40	5/8	3,580.99
3/4	1,968.41	3/4	2,148.00	3/4	2,327.59	3/4	2,507.18	3/4	2,686.77	3/4	2,866.37	3/4	3,045.96	3/4	3,225.55	3/4	3,405.14	3/4	3,584.74
7/8	1,972.15	7/8	2,151.74	7/8	2,331.33	7/8	2,510.92	7/8	2,690.52	7/8	2,870.11	7/8	3,049.70	7/8	3,229.29	7/8	3,408.88	7/8	3,588.48

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BARGE "KIRBY 29149"

2 PORT

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30028"

GAUGE HEIGHT 15'-09"

IN	10 FT.	IN	10 FT.	IN	11 FT.	IN	11 FT.	IN	12 FT.	IN	12 FT.	IN	13 FT.	IN	13 FT.	IN	14 FT.	IN	14 FT.
0	3,592.22	6	3,771.81	0	3,951.40	6	4,130.99	0	4,310.58	6	4,490.18	0	4,669.77	6	4,849.36	0	5,028.95	6	5,146.32
1/8	3,595.96	1/8	3,775.55	1/8	3,955.14	1/8	4,134.73	1/8	4,314.32	1/8	4,493.92	1/8	4,673.51	1/8	4,853.10	1/8	5,032.69	1/8	5,146.63
1/4	3,599.70	1/4	3,779.29	1/4	3,958.88	1/4	4,138.47	1/4	4,318.07	1/4	4,497.66	1/4	4,677.25	1/4	4,856.84	1/4	5,036.43	1/4	5,146.94
3/8	3,603.44	3/8	3,783.03	3/8	3,962.62	3/8	4,142.21	3/8	4,321.81	3/8	4,501.40	3/8	4,680.99	3/8	4,860.58	3/8	5,040.17	3/8	5,147.26
1/2	3,607.18	1/2	3,786.78	1/2	3,966.37	1/2	4,145.96	1/2	4,325.55	1/2	4,505.14	1/2	4,684.74	1/2	4,864.33	1/2	5,043.92	1/2	5,147.57
5/8	3,610.93	5/8	3,790.52	5/8	3,970.11	5/8	4,149.70	5/8	4,329.29	5/8	4,508.89	5/8	4,688.48	5/8	4,868.07	5/8	5,047.66	5/8	5,147.88
3/4	3,614.67	3/4	3,794.26	3/4	3,973.85	3/4	4,153.44	3/4	4,333.04	3/4	4,512.63	3/4	4,692.22	3/4	4,871.81	3/4	5,051.40	3/4	5,148.19
7/8	3,618.41	7/8	3,798.00	7/8	3,977.59	7/8	4,157.18	7/8	4,336.78	7/8	4,516.37	7/8	4,695.96	7/8	4,875.55	7/8	5,055.14	7/8	5,148.51
1	3,622.15	7	3,801.74	1	3,981.33	7	4,160.92	1	4,340.52	7	4,520.11	1	4,699.70	7	4,879.29	1	5,058.88	7	5,148.82
1/8	3,625.89	1/8	3,805.48	1/8	3,985.07	1/8	4,164.66	1/8	4,344.26	1/8	4,523.85	1/8	4,703.44	1/8	4,883.03	1/8	5,062.32	1/8	
1/4	3,629.63	1/4	3,809.22	1/4	3,988.81	1/4	4,168.41	1/4	4,348.00	1/4	4,527.59	1/4	4,707.18	1/4	4,886.77	1/4	5,065.75	1/4	
3/8	3,633.37	3/8	3,812.96	3/8	3,992.55	3/8	4,172.15	3/8	4,351.74	3/8	4,531.33	3/8	4,710.92	3/8	4,890.51	3/8	5,069.19	3/8	
1/2	3,637.12	1/2	3,816.71	1/2	3,996.30	1/2	4,175.89	1/2	4,355.48	1/2	4,535.08	1/2	4,714.67	1/2	4,894.26	1/2	5,072.62	1/2	
5/8	3,640.86	5/8	3,820.45	5/8	4,000.04	5/8	4,179.63	5/8	4,359.23	5/8	4,538.82	5/8	4,718.41	5/8	4,898.00	5/8	5,076.06	5/8	
3/4	3,644.60	3/4	3,824.19	3/4	4,003.78	3/4	4,183.38	3/4	4,362.97	3/4	4,542.56	3/4	4,722.15	3/4	4,901.74	3/4	5,079.49	3/4	
7/8	3,648.34	7/8	3,827.93	7/8	4,007.52	7/8	4,187.12	7/8	4,366.71	7/8	4,546.30	7/8	4,725.89	7/8	4,905.48	7/8	5,082.92	7/8	
2	3,652.08	8	3,831.67	2	4,011.26	8	4,190.86	2	4,370.45	8	4,550.04	2	4,729.63	8	4,909.22	2	5,086.36	8	
1/8	3,655.82	1/8	3,835.41	1/8	4,015.00	1/8	4,194.60	1/8	4,374.19	1/8	4,553.78	1/8	4,733.37	1/8	4,912.96	1/8	5,089.17	1/8	
1/4	3,659.56	1/4	3,839.15	1/4	4,018.75	1/4	4,198.34	1/4	4,377.93	1/4	4,557.52	1/4	4,737.11	1/4	4,916.71	1/4	5,091.98	1/4	
3/8	3,663.30	3/8	3,842.89	3/8	4,022.49	3/8	4,202.08	3/8	4,381.67	3/8	4,561.26	3/8	4,740.85	3/8	4,920.45	3/8	5,094.79	3/8	
1/2	3,667.05	1/2	3,846.64	1/2	4,026.23	1/2	4,205.82	1/2	4,385.42	1/2	4,565.01	1/2	4,744.60	1/2	4,924.19	1/2	5,097.60	1/2	
5/8	3,670.79	5/8	3,850.38	5/8	4,029.97	5/8	4,209.57	5/8	4,389.16	5/8	4,568.75	5/8	4,748.34	5/8	4,927.93	5/8	5,100.42	5/8	
3/4	3,674.53	3/4	3,854.12	3/4	4,033.72	3/4	4,213.31	3/4	4,392.90	3/4	4,572.49	3/4	4,752.08	3/4	4,931.67	3/4	5,103.23	3/4	
7/8	3,678.27	7/8	3,857.86	7/8	4,037.46	7/8	4,217.05	7/8	4,396.64	7/8	4,576.23	7/8	4,755.82	7/8	4,935.42	7/8	5,106.04	7/8	
3	3,682.01	9	3,861.60	3	4,041.20	9	4,220.79	3	4,400.38	9	4,579.97	3	4,759.56	9	4,939.16	3	5,108.85	9	
1/8	3,685.75	1/8	3,865.34	1/8	4,044.94	1/8	4,224.53	1/8	4,404.12	1/8	4,583.71	1/8	4,763.30	1/8	4,942.90	1/8	5,111.04	1/8	
1/4	3,689.49	1/4	3,869.09	1/4	4,048.68	1/4	4,228.27	1/4	4,407.86	1/4	4,587.45	1/4	4,767.05	1/4	4,946.64	1/4	5,113.22	1/4	
3/8	3,693.23	3/8	3,872.83	3/8	4,052.42	3/8	4,232.01	3/8	4,411.60	3/8	4,591.19	3/8	4,770.79	3/8	4,950.38	3/8	5,115.41	3/8	
1/2	3,696.98	1/2	3,876.57	1/2	4,056.16	1/2	4,235.76	1/2	4,415.35	1/2	4,594.94	1/2	4,774.53	1/2	4,954.12	1/2	5,117.59	1/2	
5/8	3,700.72	5/8	3,880.31	5/8	4,059.91	5/8	4,239.50	5/8	4,419.09	5/8	4,598.68	5/8	4,778.27	5/8	4,957.87	5/8	5,119.78	5/8	
3/4	3,704.46	3/4	3,884.06	3/4	4,063.65	3/4	4,243.24	3/4	4,422.83	3/4	4,602.42	3/4	4,782.01	3/4	4,961.61	3/4	5,121.97	3/4	
7/8	3,708.20	7/8	3,887.80	7/8	4,067.39	7/8	4,246.98	7/8	4,426.57	7/8	4,606.16	7/8	4,785.76	7/8	4,965.35	7/8	5,124.15	7/8	
4	3,711.94	10	3,891.54	4	4,071.13	10	4,250.72	4	4,430.31	10	4,609.90	4	4,789.50	10	4,969.09	4	5,126.34	10	
1/8	3,715.68	1/8	3,895.28	1/8	4,074.87	1/8	4,254.46	1/8	4,434.05	1/8	4,613.64	1/8	4,793.24	1/8	4,972.83	1/8	5,127.90	1/8	
1/4	3,719.43	1/4	3,899.02	1/4	4,078.61	1/4	4,258.20	1/4	4,437.79	1/4	4,617.39	1/4	4,796.98	1/4	4,976.57	1/4	5,129.46	1/4	
3/8	3,723.17	3/8	3,902.76	3/8	4,082.35	3/8	4,261.94	3/8	4,441.53	3/8	4,621.13	3/8	4,800.72	3/8	4,980.31	3/8	5,131.02	3/8	
1/2	3,726.91	1/2	3,906.50	1/2	4,086.10	1/2	4,265.69	1/2	4,445.28	1/2	4,624.87	1/2	4,804.46	1/2	4,984.06	1/2	5,132.58	1/2	
5/8	3,730.65	5/8	3,910.25	5/8	4,089.84	5/8	4,269.43	5/8	4,449.02	5/8	4,628.61	5/8	4,808.21	5/8	4,987.80	5/8	5,134.15	5/8	
3/4	3,734.40	3/4	3,913.99	3/4	4,093.58	3/4	4,273.17	3/4	4,452.76	3/4	4,632.35	3/4	4,811.95	3/4	4,991.54	3/4	5,135.71	3/4	
7/8	3,738.14	7/8	3,917.73	7/8	4,097.32	7/8	4,276.91	7/8	4,456.50	7/8	4,636.10	7/8	4,815.69	7/8	4,995.28	7/8	5,137.27	7/8	
5	3,741.88	11	3,921.47	5	4,101.06	11	4,280.65	5	4,460.24	11	4,639.84	5	4,819.43	11	4,999.02	5	5,138.83	11	
1/8	3,745.62	1/8	3,925.21	1/8	4,104.80	1/8	4,284.39	1/8	4,463.98	1/8	4,643.58	1/8	4,823.17	1/8	5,002.76	1/8	5,139.77	1/8	
1/4	3,749.36	1/4	3,928.95	1/4	4,108.54	1/4	4,288.13	1/4	4,467.73	1/4	4,647.32	1/4	4,826.91	1/4	5,006.50	1/4	5,140.70	1/4	
3/8	3,753.10	3/8	3,932.69	3/8	4,112.28	3/8	4,291.87	3/8	4,471.47	3/8	4,651.06	3/8	4,830.65	3/8	5,010.24	3/8	5,141.64	3/8	
1/2	3,756.84	1/2	3,936.44	1/2	4,116.03	1/2	4,295.62	1/2	4,475.21	1/2	4,654.80	1/2	4,834.40	1/2	5,013.99	1/2	5,142.57	1/2	
5/8	3,760.59	5/8	3,940.18	5/8	4,119.77	5/8	4,299.36	5/8	4,478.95	5/8	4,658.55	5/8	4,838.14	5/8	5,017.73	5/8	5,143.51	5/8	
3/4	3,764.33	3/4	3,943.92	3/4	4,123.51	3/4	4,303.10	3/4	4,482.70	3/4	4,662.29	3/4	4,841.88	3/4	5,021.47	3/4	5,144.45	3/4	
7/8	3,768.07	7/8	3,947.66	7/8	4,127.25	7/8	4,306.84	7/8	4,486.44	7/8	4,666.03	7/8	4,845.62	7/8	5,025.21	7/8	5,145.38	7/8	

STRAPPED: 09/08/2011 INSP.
RECALCULATED: 11/23/2021 PMA

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

Pearland, Texas 77588

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CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2021



BARGE "KIRBY 29149"

2 STBD

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30028"

GAUGE HEIGHT 15'-09 1/4"

IN	0 FT.	IN	0 FT.	IN	1 FT.	IN	1 FT.	IN	2 FT.	IN	2 FT.	IN	3 FT.	IN	3 FT.	IN	4 FT.	IN	4 FT.
0	15.27	6	179.97	0	359.56	6	539.15	0	718.74	6	898.34	0	1,077.93	6	1,257.52	0	1,437.11	6	1,616.70
1/8	17.61	1/8	183.71	1/8	363.30	1/8	542.89	1/8	722.48	1/8	902.08	1/8	1,081.67	1/8	1,261.26	1/8	1,440.85	1/8	1,620.44
1/4	19.96	1/4	187.45	1/4	367.04	1/4	546.63	1/4	726.23	1/4	905.82	1/4	1,085.41	1/4	1,265.00	1/4	1,444.59	1/4	1,624.19
3/8	22.30	3/8	191.19	3/8	370.78	3/8	550.37	3/8	729.97	3/8	909.56	3/8	1,089.15	3/8	1,268.74	3/8	1,448.33	3/8	1,627.93
1/2	24.64	1/2	194.94	1/2	374.53	1/2	554.12	1/2	733.71	1/2	913.30	1/2	1,092.90	1/2	1,272.49	1/2	1,452.08	1/2	1,631.67
5/8	26.98	5/8	198.68	5/8	378.27	5/8	557.86	5/8	737.45	5/8	917.05	5/8	1,096.64	5/8	1,276.23	5/8	1,455.82	5/8	1,635.41
3/4	29.33	3/4	202.42	3/4	382.01	3/4	561.60	3/4	741.20	3/4	920.79	3/4	1,100.38	3/4	1,279.97	3/4	1,459.56	3/4	1,639.15
7/8	31.67	7/8	206.16	7/8	385.75	7/8	565.34	7/8	744.94	7/8	924.53	7/8	1,104.12	7/8	1,283.71	7/8	1,463.30	7/8	1,642.90
1	34.01	7	209.90	1	389.49	7	569.08	1	748.68	7	928.27	1	1,107.86	7	1,287.45	1	1,467.04	7	1,646.64
1/8	37.29	1/8	213.64	1/8	393.23	1/8	572.82	1/8	752.42	1/8	932.01	1/8	1,111.60	1/8	1,291.19	1/8	1,470.78	1/8	1,650.38
1/4	40.57	1/4	217.38	1/4	396.97	1/4	576.57	1/4	756.16	1/4	935.75	1/4	1,115.34	1/4	1,294.93	1/4	1,474.53	1/4	1,654.12
3/8	43.85	3/8	221.12	3/8	400.71	3/8	580.31	3/8	759.90	3/8	939.49	3/8	1,119.08	3/8	1,298.67	3/8	1,478.27	3/8	1,657.86
1/2	47.12	1/2	224.87	1/2	404.46	1/2	584.05	1/2	763.64	1/2	943.24	1/2	1,122.83	1/2	1,302.42	1/2	1,482.01	1/2	1,661.60
5/8	50.40	5/8	228.61	5/8	408.20	5/8	587.79	5/8	767.39	5/8	946.98	5/8	1,126.57	5/8	1,306.16	5/8	1,485.75	5/8	1,665.35
3/4	53.68	3/4	232.35	3/4	411.94	3/4	591.54	3/4	771.13	3/4	950.72	3/4	1,130.31	3/4	1,309.90	3/4	1,489.49	3/4	1,669.09
7/8	56.96	7/8	236.09	7/8	415.68	7/8	595.28	7/8	774.87	7/8	954.46	7/8	1,134.05	7/8	1,313.64	7/8	1,493.24	7/8	1,672.83
2	60.24	8	239.83	2	419.42	8	599.02	2	778.61	8	958.20	2	1,137.79	8	1,317.38	2	1,496.98	8	1,676.57
1/8	63.98	1/8	243.57	1/8	423.16	1/8	602.76	1/8	782.35	1/8	961.94	1/8	1,141.53	1/8	1,321.12	1/8	1,500.72	1/8	1,680.31
1/4	67.72	1/4	247.31	1/4	426.91	1/4	606.50	1/4	786.09	1/4	965.68	1/4	1,145.27	1/4	1,324.87	1/4	1,504.46	1/4	1,684.05
3/8	71.46	3/8	251.05	3/8	430.65	3/8	610.24	3/8	789.83	3/8	969.42	3/8	1,149.01	3/8	1,328.61	3/8	1,508.20	3/8	1,687.79
1/2	75.20	1/2	254.80	1/2	434.39	1/2	613.98	1/2	793.58	1/2	973.17	1/2	1,152.76	1/2	1,332.35	1/2	1,511.94	1/2	1,691.54
5/8	78.95	5/8	258.54	5/8	438.13	5/8	617.73	5/8	797.32	5/8	976.91	5/8	1,156.50	5/8	1,336.09	5/8	1,515.69	5/8	1,695.28
3/4	82.69	3/4	262.28	3/4	441.88	3/4	621.47	3/4	801.06	3/4	980.65	3/4	1,160.24	3/4	1,339.84	3/4	1,519.43	3/4	1,699.02
7/8	86.43	7/8	266.02	7/8	445.62	7/8	625.21	7/8	804.80	7/8	984.39	7/8	1,163.98	7/8	1,343.58	7/8	1,523.17	7/8	1,702.76
3	90.17	9	269.76	3	449.36	9	628.95	3	808.54	9	988.13	3	1,167.72	9	1,347.32	3	1,526.91	9	1,706.50
1/8	93.91	1/8	273.50	1/8	453.10	1/8	632.69	1/8	812.28	1/8	991.87	1/8	1,171.46	1/8	1,351.06	1/8	1,530.65	1/8	1,710.24
1/4	97.65	1/4	277.25	1/4	456.84	1/4	636.43	1/4	816.02	1/4	995.61	1/4	1,175.21	1/4	1,354.80	1/4	1,534.39	1/4	1,713.98
3/8	101.39	3/8	280.99	3/8	460.58	3/8	640.17	3/8	819.76	3/8	999.35	3/8	1,178.95	3/8	1,358.54	3/8	1,538.13	3/8	1,717.72
1/2	105.14	1/2	284.73	1/2	464.32	1/2	643.92	1/2	823.51	1/2	1,003.10	1/2	1,182.69	1/2	1,362.28	1/2	1,541.88	1/2	1,721.47
5/8	108.88	5/8	288.47	5/8	468.07	5/8	647.66	5/8	827.25	5/8	1,006.84	5/8	1,186.43	5/8	1,366.03	5/8	1,545.62	5/8	1,725.21
3/4	112.62	3/4	292.22	3/4	471.81	3/4	651.40	3/4	830.99	3/4	1,010.58	3/4	1,190.18	3/4	1,369.77	3/4	1,549.36	3/4	1,728.95
7/8	116.36	7/8	295.96	7/8	475.55	7/8	655.14	7/8	834.73	7/8	1,014.32	7/8	1,193.92	7/8	1,373.51	7/8	1,553.10	7/8	1,732.69
4	120.10	10	299.70	4	479.29	10	658.88	4	838.47	10	1,018.06	4	1,197.66	10	1,377.25	4	1,556.84	10	1,736.43
1/8	123.84	1/8	303.44	1/8	483.03	1/8	662.62	1/8	842.21	1/8	1,021.80	1/8	1,201.40	1/8	1,380.99	1/8	1,560.58	1/8	1,740.17
1/4	127.59	1/4	307.18	1/4	486.77	1/4	666.36	1/4	845.95	1/4	1,025.55	1/4	1,205.14	1/4	1,384.73	1/4	1,564.32	1/4	1,743.91
3/8	131.33	3/8	310.92	3/8	490.51	3/8	670.10	3/8	849.69	3/8	1,029.29	3/8	1,208.88	3/8	1,388.47	3/8	1,568.06	3/8	1,747.65
1/2	135.07	1/2	314.66	1/2	494.26	1/2	673.85	1/2	853.44	1/2	1,033.03	1/2	1,212.62	1/2	1,392.22	1/2	1,571.81	1/2	1,751.40
5/8	138.81	5/8	318.41	5/8	498.00	5/8	677.59	5/8	857.18	5/8	1,036.77	5/8	1,216.37	5/8	1,395.96	5/8	1,575.55	5/8	1,755.14
3/4	142.55	3/4	322.15	3/4	501.74	3/4	681.33	3/4	860.92	3/4	1,040.52	3/4	1,220.11	3/4	1,399.70	3/4	1,579.29	3/4	1,758.88
7/8	146.30	7/8	325.89	7/8	505.48	7/8	685.07	7/8	864.66	7/8	1,044.26	7/8	1,223.85	7/8	1,403.44	7/8	1,583.03	7/8	1,762.62
5	150.04	11	329.63	5	509.22	11	688.81	5	868.40	11	1,048.00	5	1,227.59	11	1,407.18	5	1,586.77	11	1,766.36
1/8	153.78	1/8	333.37	1/8	512.96	1/8	692.55	1/8	872.14	1/8	1,051.74	1/8	1,231.33	1/8	1,410.92	1/8	1,590.51	1/8	1,770.10
1/4	157.52	1/4	337.11	1/4	516.70	1/4	696.29	1/4	875.89	1/4	1,055.48	1/4	1,235.07	1/4	1,414.66	1/4	1,594.25	1/4	1,773.85
3/8	161.26	3/8	340.85	3/8	520.44	3/8	700.03	3/8	879.63	3/8	1,059.22	3/8	1,238.81	3/8	1,418.40	3/8	1,597.99	3/8	1,777.59
1/2	165.00	1/2	344.60	1/2	524.19	1/2	703.78	1/2	883.37	1/2	1,062.96	1/2	1,242.56	1/2	1,422.15	1/2	1,601.74	1/2	1,781.33
5/8	168.75	5/8	348.34	5/8	527.93	5/8	707.52	5/8	887.11	5/8	1,066.71	5/8	1,246.30	5/8	1,425.89	5/8	1,605.48	5/8	1,785.07
3/4	172.49	3/4	352.08	3/4	531.67	3/4	711.26	3/4	890.86	3/4	1,070.45	3/4	1,250.04	3/4	1,429.63	3/4	1,609.22	3/4	1,788.81
7/8	176.23	7/8	355.82	7/8	535.41	7/8	715.00	7/8	894.60	7/8	1,074.19	7/8	1,253.78	7/8	1,433.37	7/8	1,612.96	7/8	1,792.56

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" "HERMETIC" VALVE.

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

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 29149"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30028"

GAUGE HEIGHT 15'-09 1/4"

IN	5 FT.	IN	5 FT.	IN	6 FT.	IN	6 FT.	IN	7 FT.	IN	7 FT.	IN	8 FT.	IN	8 FT.	IN	9 FT.	IN	9 FT.
0	1,796.30	6	1,975.89	0	2,155.48	6	2,335.07	0	2,514.66	6	2,694.26	0	2,873.85	6	3,053.44	0	3,233.03	6	3,412.62
1/8	1,800.04	1/8	1,979.63	1/8	2,159.22	1/8	2,338.81	1/8	2,518.40	1/8	2,698.00	1/8	2,877.59	1/8	3,057.18	1/8	3,236.77	1/8	3,416.36
1/4	1,803.78	1/4	1,983.37	1/4	2,162.96	1/4	2,342.55	1/4	2,522.15	1/4	2,701.74	1/4	2,881.33	1/4	3,060.92	1/4	3,240.51	1/4	3,420.11
3/8	1,807.52	3/8	1,987.11	3/8	2,166.60	3/8	2,346.29	3/8	2,525.89	3/8	2,705.48	3/8	2,885.07	3/8	3,064.66	3/8	3,244.25	3/8	3,423.85
1/2	1,811.26	1/2	1,990.86	1/2	2,170.45	1/2	2,350.04	1/2	2,529.63	1/2	2,709.22	1/2	2,888.82	1/2	3,068.41	1/2	3,248.00	1/2	3,427.59
5/8	1,815.01	5/8	1,994.60	5/8	2,174.19	5/8	2,353.78	5/8	2,533.37	5/8	2,712.97	5/8	2,892.56	5/8	3,072.15	5/8	3,251.74	5/8	3,431.33
3/4	1,818.75	3/4	1,998.34	3/4	2,177.93	3/4	2,357.52	3/4	2,537.11	3/4	2,716.71	3/4	2,896.30	3/4	3,075.89	3/4	3,255.48	3/4	3,435.08
7/8	1,822.49	7/8	2,002.08	7/8	2,181.67	7/8	2,361.26	7/8	2,540.86	7/8	2,720.45	7/8	2,900.04	7/8	3,079.63	7/8	3,259.22	7/8	3,438.82
1	1,826.23	7	2,005.82	1	2,185.41	7	2,365.00	1	2,544.60	7	2,724.19	1	2,903.78	7	3,083.37	1	3,262.96	7	3,442.56
1/8	1,829.97	1/8	2,009.56	1/8	2,189.15	1/8	2,368.74	1/8	2,548.34	1/8	2,727.93	1/8	2,907.52	1/8	3,087.11	1/8	3,266.70	1/8	3,446.30
1/4	1,833.71	1/4	2,013.30	1/4	2,192.89	1/4	2,372.49	1/4	2,552.08	1/4	2,731.67	1/4	2,911.26	1/4	3,090.85	1/4	3,270.45	1/4	3,450.04
3/8	1,837.45	3/8	2,017.04	3/8	2,196.63	3/8	2,376.23	3/8	2,555.82	3/8	2,735.41	3/8	2,915.00	3/8	3,094.59	3/8	3,274.19	3/8	3,453.78
1/2	1,841.20	1/2	2,020.79	1/2	2,200.38	1/2	2,379.97	1/2	2,559.56	1/2	2,739.16	1/2	2,918.75	1/2	3,098.34	1/2	3,277.93	1/2	3,457.52
5/8	1,844.94	5/8	2,024.53	5/8	2,204.12	5/8	2,383.71	5/8	2,563.31	5/8	2,742.90	5/8	2,922.49	5/8	3,102.08	5/8	3,281.67	5/8	3,461.27
3/4	1,848.68	3/4	2,028.27	3/4	2,207.86	3/4	2,387.45	3/4	2,567.05	3/4	2,746.64	3/4	2,926.23	3/4	3,105.82	3/4	3,285.42	3/4	3,465.01
7/8	1,852.42	7/8	2,032.01	7/8	2,211.60	7/8	2,391.20	7/8	2,570.79	7/8	2,750.38	7/8	2,929.97	7/8	3,109.56	7/8	3,289.16	7/8	3,468.75
2	1,856.16	8	2,035.75	2	2,215.34	8	2,394.94	2	2,574.53	8	2,754.12	2	2,933.71	8	3,113.30	2	3,292.90	8	3,472.49
1/8	1,859.90	1/8	2,039.49	1/8	2,219.08	1/8	2,398.68	1/8	2,578.27	1/8	2,757.86	1/8	2,937.45	1/8	3,117.04	1/8	3,296.64	1/8	3,476.23
1/4	1,863.64	1/4	2,043.23	1/4	2,222.83	1/4	2,402.42	1/4	2,582.01	1/4	2,761.60	1/4	2,941.19	1/4	3,120.79	1/4	3,300.38	1/4	3,479.97
3/8	1,867.38	3/8	2,046.97	3/8	2,226.57	3/8	2,406.16	3/8	2,585.75	3/8	2,765.34	3/8	2,944.93	3/8	3,124.53	3/8	3,304.12	3/8	3,483.71
1/2	1,871.13	1/2	2,050.72	1/2	2,230.31	1/2	2,409.90	1/2	2,589.50	1/2	2,769.09	1/2	2,948.68	1/2	3,128.27	1/2	3,307.86	1/2	3,487.46
5/8	1,874.87	5/8	2,054.46	5/8	2,234.05	5/8	2,413.65	5/8	2,593.24	5/8	2,772.83	5/8	2,952.42	5/8	3,132.01	5/8	3,311.61	5/8	3,491.20
3/4	1,878.61	3/4	2,058.20	3/4	2,237.79	3/4	2,417.39	3/4	2,596.98	3/4	2,776.57	3/4	2,956.16	3/4	3,135.76	3/4	3,315.35	3/4	3,494.94
7/8	1,882.35	7/8	2,061.94	7/8	2,241.54	7/8	2,421.13	7/8	2,600.72	7/8	2,780.31	7/8	2,959.90	7/8	3,139.50	7/8	3,319.09	7/8	3,498.68
3	1,886.09	9	2,065.68	3	2,245.28	9	2,424.87	3	2,604.46	9	2,784.05	3	2,963.64	9	3,143.24	3	3,322.83	9	3,502.42
1/8	1,889.83	1/8	2,069.42	1/8	2,249.02	1/8	2,428.61	1/8	2,608.20	1/8	2,787.79	1/8	2,967.38	1/8	3,146.98	1/8	3,326.57	1/8	3,506.16
1/4	1,893.57	1/4	2,073.17	1/4	2,252.76	1/4	2,432.35	1/4	2,611.94	1/4	2,791.53	1/4	2,971.13	1/4	3,150.72	1/4	3,330.31	1/4	3,509.90
3/8	1,897.31	3/8	2,076.91	3/8	2,256.50	3/8	2,436.09	3/8	2,615.68	3/8	2,795.27	3/8	2,974.87	3/8	3,154.46	3/8	3,334.05	3/8	3,513.64
1/2	1,901.06	1/2	2,080.65	1/2	2,260.24	1/2	2,439.84	1/2	2,619.43	1/2	2,799.02	1/2	2,978.61	1/2	3,158.20	1/2	3,337.80	1/2	3,517.39
5/8	1,904.80	5/8	2,084.39	5/8	2,263.99	5/8	2,443.58	5/8	2,623.17	5/8	2,802.76	5/8	2,982.35	5/8	3,161.95	5/8	3,341.54	5/8	3,521.13
3/4	1,908.54	3/4	2,088.13	3/4	2,267.73	3/4	2,447.32	3/4	2,626.91	3/4	2,806.50	3/4	2,986.10	3/4	3,165.69	3/4	3,345.28	3/4	3,524.87
7/8	1,912.28	7/8	2,091.88	7/8	2,271.47	7/8	2,451.06	7/8	2,630.65	7/8	2,810.24	7/8	2,989.84	7/8	3,169.43	7/8	3,349.02	7/8	3,528.61
4	1,916.02	10	2,095.62	4	2,275.21	10	2,454.80	4	2,634.39	10	2,813.98	4	2,993.58	10	3,173.17	4	3,352.76	10	3,532.35
1/8	1,919.76	1/8	2,099.36	1/8	2,278.95	1/8	2,458.54	1/8	2,638.13	1/8	2,817.72	1/8	2,997.32	1/8	3,176.91	1/8	3,356.50	1/8	3,536.09
1/4	1,923.51	1/4	2,103.10	1/4	2,282.69	1/4	2,462.28	1/4	2,641.87	1/4	2,821.47	1/4	3,001.06	1/4	3,180.65	1/4	3,360.24	1/4	3,539.83
3/8	1,927.25	3/8	2,106.84	3/8	2,286.43	3/8	2,466.02	3/8	2,645.61	3/8	2,825.21	3/8	3,004.80	3/8	3,184.39	3/8	3,363.98	3/8	3,543.57
1/2	1,930.99	1/2	2,110.58	1/2	2,290.18	1/2	2,469.77	1/2	2,649.36	1/2	2,828.95	1/2	3,008.54	1/2	3,188.14	1/2	3,367.73	1/2	3,547.32
5/8	1,934.73	5/8	2,114.33	5/8	2,293.92	5/8	2,473.51	5/8	2,653.10	5/8	2,832.69	5/8	3,012.29	5/8	3,191.88	5/8	3,371.47	5/8	3,551.06
3/4	1,938.47	3/4	2,118.07	3/4	2,297.66	3/4	2,477.25	3/4	2,656.84	3/4	2,836.44	3/4	3,016.03	3/4	3,195.62	3/4	3,375.21	3/4	3,554.80
7/8	1,942.22	7/8	2,121.81	7/8	2,301.40	7/8	2,480.99	7/8	2,660.58	7/8	2,840.18	7/8	3,019.77	7/8	3,199.36	7/8	3,378.95	7/8	3,558.54
5	1,945.96	11	2,125.55	5	2,305.14	11	2,484.73	5	2,664.32	11	2,843.92	5	3,023.51	11	3,203.10	5	3,382.69	11	3,562.28
1/8	1,949.70	1/8	2,129.29	1/8	2,308.88	1/8	2,488.47	1/8	2,668.06	1/8	2,847.66	1/8	3,027.25	1/8	3,206.84	1/8	3,386.43	1/8	3,566.02
1/4	1,953.44	1/4	2,133.03	1/4	2,312.62	1/4	2,492.21	1/4	2,671.81	1/4	2,851.40	1/4	3,030.99	1/4	3,210.58	1/4	3,390.17	1/4	3,569.77
3/8	1,957.18	3/8	2,136.77	3/8	2,316.36	3/8	2,495.95	3/8	2,675.55	3/8	2,855.14	3/8	3,034.73	3/8	3,214.32	3/8	3,393.91	3/8	3,573.51
1/2	1,960.92	1/2	2,140.52	1/2	2,320.11	1/2	2,499.70	1/2	2,679.29	1/2	2,858.88	1/2	3,038.48	1/2	3,218.07	1/2	3,397.66	1/2	3,577.25
5/8	1,964.67	5/8	2,144.26	5/8	2,323.85	5/8	2,503.44	5/8	2,683.03	5/8	2,862.63	5/8	3,042.22	5/8	3,221.81	5/8	3,401.40	5/8	3,580.99
3/4	1,968.41	3/4	2,148.00	3/4	2,327.59	3/4	2,507.18	3/4	2,686.77	3/4	2,866.37	3/4	3,045.96	3/4	3,225.55	3/4	3,405.14	3/4	3,584.74
7/8	1,972.15	7/8	2,151.74	7/8	2,331.33	7/8	2,510.92	7/8	2,690.52	7/8	2,870.11	7/8	3,049.70	7/8	3,229.29	7/8	3,408.88	7/8	3,588.48

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BARGE "KIRBY 29149"

2 STBD

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30028"

GAUGE HEIGHT 15'-09 1/4"

IN	10 FT.	IN	10 FT.	IN	11 FT.	IN	11 FT.	IN	12 FT.	IN	12 FT.	IN	13 FT.	IN	13 FT.	IN	14 FT.	IN	14 FT.
0	3,592.22	6	3,771.81	0	3,951.40	6	4,130.99	0	4,310.58	6	4,490.18	0	4,669.77	6	4,849.36	0	5,028.95	6	5,146.32
1/8	3,595.96	1/8	3,775.55	1/8	3,955.14	1/8	4,134.73	1/8	4,314.32	1/8	4,493.92	1/8	4,673.51	1/8	4,853.10	1/8	5,032.69	1/8	5,146.63
1/4	3,599.70	1/4	3,779.29	1/4	3,958.88	1/4	4,138.47	1/4	4,318.07	1/4	4,497.66	1/4	4,677.25	1/4	4,856.84	1/4	5,036.43	1/4	5,146.94
3/8	3,603.44	3/8	3,783.03	3/8	3,962.62	3/8	4,142.21	3/8	4,321.81	3/8	4,501.40	3/8	4,680.99	3/8	4,860.58	3/8	5,040.17	3/8	5,147.26
1/2	3,607.18	1/2	3,786.78	1/2	3,966.37	1/2	4,145.96	1/2	4,325.55	1/2	4,505.14	1/2	4,684.74	1/2	4,864.33	1/2	5,043.92	1/2	5,147.57
5/8	3,610.93	5/8	3,790.52	5/8	3,970.11	5/8	4,149.70	5/8	4,329.29	5/8	4,508.89	5/8	4,688.48	5/8	4,868.07	5/8	5,047.66	5/8	5,147.88
3/4	3,614.67	3/4	3,794.26	3/4	3,973.85	3/4	4,153.44	3/4	4,333.04	3/4	4,512.63	3/4	4,692.22	3/4	4,871.81	3/4	5,051.40	3/4	5,148.19
7/8	3,618.41	7/8	3,798.00	7/8	3,977.59	7/8	4,157.18	7/8	4,336.78	7/8	4,516.37	7/8	4,695.96	7/8	4,875.55	7/8	5,055.14	7/8	5,148.51
1	3,622.15	7	3,801.74	1	3,981.33	7	4,160.92	1	4,340.52	7	4,520.11	1	4,699.70	7	4,879.29	1	5,058.88	7	5,148.82
1/8	3,625.89	1/8	3,805.48	1/8	3,985.07	1/8	4,164.66	1/8	4,344.26	1/8	4,523.85	1/8	4,703.44	1/8	4,883.03	1/8	5,062.32	1/8	5,149.14
1/4	3,629.63	1/4	3,809.22	1/4	3,988.81	1/4	4,168.41	1/4	4,348.00	1/4	4,527.59	1/4	4,707.18	1/4	4,886.77	1/4	5,065.75	1/4	5,149.46
3/8	3,633.37	3/8	3,812.96	3/8	3,992.55	3/8	4,172.15	3/8	4,351.74	3/8	4,531.33	3/8	4,710.92	3/8	4,890.51	3/8	5,069.19	3/8	5,149.78
1/2	3,637.12	1/2	3,816.71	1/2	3,996.30	1/2	4,175.89	1/2	4,355.48	1/2	4,535.08	1/2	4,714.67	1/2	4,894.26	1/2	5,072.62	1/2	5,150.10
5/8	3,640.86	5/8	3,820.45	5/8	4,000.04	5/8	4,179.63	5/8	4,359.23	5/8	4,538.82	5/8	4,718.41	5/8	4,898.00	5/8	5,076.06	5/8	5,150.42
3/4	3,644.60	3/4	3,824.19	3/4	4,003.78	3/4	4,183.38	3/4	4,362.97	3/4	4,542.56	3/4	4,722.15	3/4	4,901.74	3/4	5,079.49	3/4	5,150.74
7/8	3,648.34	7/8	3,827.93	7/8	4,007.52	7/8	4,187.12	7/8	4,366.71	7/8	4,546.30	7/8	4,725.89	7/8	4,905.48	7/8	5,082.92	7/8	5,151.06
2	3,652.08	8	3,831.67	2	4,011.26	8	4,190.86	2	4,370.45	8	4,550.04	2	4,729.63	8	4,909.22	2	5,086.36	8	5,151.38
1/8	3,655.82	1/8	3,835.41	1/8	4,015.00	1/8	4,194.60	1/8	4,374.19	1/8	4,553.78	1/8	4,733.37	1/8	4,912.96	1/8	5,089.17	1/8	5,151.70
1/4	3,659.56	1/4	3,839.15	1/4	4,018.75	1/4	4,198.34	1/4	4,377.93	1/4	4,557.52	1/4	4,737.11	1/4	4,916.71	1/4	5,091.98	1/4	5,152.02
3/8	3,663.30	3/8	3,842.89	3/8	4,022.49	3/8	4,202.08	3/8	4,381.67	3/8	4,561.26	3/8	4,740.85	3/8	4,920.45	3/8	5,094.79	3/8	5,152.34
1/2	3,667.05	1/2	3,846.64	1/2	4,026.23	1/2	4,205.82	1/2	4,385.42	1/2	4,565.01	1/2	4,744.60	1/2	4,924.19	1/2	5,097.60	1/2	5,152.66
5/8	3,670.79	5/8	3,850.38	5/8	4,029.97	5/8	4,209.57	5/8	4,389.16	5/8	4,568.75	5/8	4,748.34	5/8	4,927.93	5/8	5,100.42	5/8	5,152.98
3/4	3,674.53	3/4	3,854.12	3/4	4,033.72	3/4	4,213.31	3/4	4,392.90	3/4	4,572.49	3/4	4,752.08	3/4	4,931.67	3/4	5,103.23	3/4	5,153.30
7/8	3,678.27	7/8	3,857.86	7/8	4,037.46	7/8	4,217.05	7/8	4,396.64	7/8	4,576.23	7/8	4,755.82	7/8	4,935.42	7/8	5,106.04	7/8	5,153.62
3	3,682.01	9	3,861.60	3	4,041.20	9	4,220.79	3	4,400.38	9	4,579.97	3	4,759.56	9	4,939.16	3	5,108.85	9	5,153.94
1/8	3,685.75	1/8	3,865.34	1/8	4,044.94	1/8	4,224.53	1/8	4,404.12	1/8	4,583.71	1/8	4,763.30	1/8	4,942.90	1/8	5,111.04	1/8	5,154.26
1/4	3,689.49	1/4	3,869.09	1/4	4,048.68	1/4	4,228.27	1/4	4,407.86	1/4	4,587.45	1/4	4,767.05	1/4	4,946.64	1/4	5,113.22	1/4	5,154.58
3/8	3,693.23	3/8	3,872.83	3/8	4,052.42	3/8	4,232.01	3/8	4,411.60	3/8	4,591.19	3/8	4,770.79	3/8	4,950.38	3/8	5,115.41	3/8	5,154.90
1/2	3,696.98	1/2	3,876.57	1/2	4,056.16	1/2	4,235.76	1/2	4,415.35	1/2	4,594.94	1/2	4,774.53	1/2	4,954.12	1/2	5,117.59	1/2	5,155.22
5/8	3,700.72	5/8	3,880.31	5/8	4,059.91	5/8	4,239.50	5/8	4,419.09	5/8	4,598.68	5/8	4,778.27	5/8	4,957.87	5/8	5,119.78	5/8	5,155.54
3/4	3,704.46	3/4	3,884.06	3/4	4,063.65	3/4	4,243.24	3/4	4,422.83	3/4	4,602.42	3/4	4,782.01	3/4	4,961.61	3/4	5,121.97	3/4	5,155.86
7/8	3,708.20	7/8	3,887.80	7/8	4,067.39	7/8	4,246.98	7/8	4,426.57	7/8	4,606.16	7/8	4,785.76	7/8	4,965.35	7/8	5,124.15	7/8	5,156.18
4	3,711.94	10	3,891.54	4	4,071.13	10	4,250.72	4	4,430.31	10	4,609.90	4	4,789.50	10	4,969.09	4	5,126.34	10	5,156.50
1/8	3,715.68	1/8	3,895.28	1/8	4,074.87	1/8	4,254.46	1/8	4,434.05	1/8	4,613.64	1/8	4,793.24	1/8	4,972.83	1/8	5,127.90	1/8	5,156.82
1/4	3,719.43	1/4	3,899.02	1/4	4,078.61	1/4	4,258.20	1/4	4,437.79	1/4	4,617.39	1/4	4,796.98	1/4	4,976.57	1/4	5,129.46	1/4	5,157.14
3/8	3,723.17	3/8	3,902.76	3/8	4,082.35	3/8	4,261.94	3/8	4,441.53	3/8	4,621.13	3/8	4,800.72	3/8	4,980.31	3/8	5,131.02	3/8	5,157.46
1/2	3,726.91	1/2	3,906.50	1/2	4,086.10	1/2	4,265.69	1/2	4,445.28	1/2	4,624.87	1/2	4,804.46	1/2	4,984.06	1/2	5,132.58	1/2	5,157.78
5/8	3,730.65	5/8	3,910.25	5/8	4,089.84	5/8	4,269.43	5/8	4,449.02	5/8	4,628.61	5/8	4,808.21	5/8	4,987.80	5/8	5,134.15	5/8	5,158.10
3/4	3,734.40	3/4	3,913.99	3/4	4,093.58	3/4	4,273.17	3/4	4,452.76	3/4	4,632.35	3/4	4,811.95	3/4	4,991.54	3/4	5,135.71	3/4	5,158.42
7/8	3,738.14	7/8	3,917.73	7/8	4,097.32	7/8	4,276.91	7/8	4,456.50	7/8	4,636.10	7/8	4,815.69	7/8	4,995.28	7/8	5,137.27	7/8	5,158.74
5	3,741.88	11	3,921.47	5	4,101.06	11	4,280.65	5	4,460.24	11	4,639.84	5	4,819.43	11	4,999.02	5	5,138.83	11	5,159.06
1/8	3,745.62	1/8	3,925.21	1/8	4,104.80	1/8	4,284.39	1/8	4,463.98	1/8	4,643.58	1/8	4,823.17	1/8	5,002.76	1/8	5,139.77	1/8	5,159.38
1/4	3,749.36	1/4	3,928.95	1/4	4,108.54	1/4	4,288.13	1/4	4,467.73	1/4	4,647.32	1/4	4,826.91	1/4	5,006.50	1/4	5,140.70	1/4	5,159.70
3/8	3,753.10	3/8	3,932.69	3/8	4,112.28	3/8	4,291.87	3/8	4,471.47	3/8	4,651.06	3/8	4,830.65	3/8	5,010.24	3/8	5,141.64	3/8	5,160.02
1/2	3,756.84	1/2	3,936.44	1/2	4,116.03	1/2	4,295.62	1/2	4,475.21	1/2	4,654.80	1/2	4,834.40	1/2	5,013.99	1/2	5,142.57	1/2	5,160.34
5/8	3,760.59	5/8	3,940.18	5/8	4,119.77	5/8	4,299.36	5/8	4,478.95	5/8	4,658.55	5/8	4,838.14	5/8	5,017.73	5/8	5,143.51	5/8	5,160.66
3/4	3,764.33	3/4	3,943.92	3/4	4,123.51	3/4	4,303.10	3/4	4,482.70	3/4	4,662.29	3/4	4,841.88	3/4	5,021.47	3/4	5,144.45	3/4	5,160.98
7/8	3,768.07	7/8	3,947.66	7/8	4,127.25	7/8	4,306.84	7/8	4,486.44	7/8	4,666.03	7/8	4,845.62	7/8	5,025.21	7/8	5,145.38	7/8	5,161.30

STRAPPED: 09/08/2011 INSP.
RECALCULATED: 11/23/2021 PMA

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

Pearland, Texas 77588

<http://www.pmacorp.net>

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2021



BARGE "KIRBY 29149"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30028"

GAUGE HEIGHT 15'-08 3/4"

IN	0 FT.	IN	0 FT.	IN	1 FT.	IN	1 FT.	IN	2 FT.	IN	2 FT.	IN	3 FT.	IN	3 FT.	IN	4 FT.	IN	4 FT.
0	15.21	6	179.42	0	358.55	6	537.69	0	716.82	6	895.96	0	1,074.94	6	1,253.59	0	1,432.56	6	1,612.15
1/8	17.54	1/8	183.15	1/8	362.28	1/8	541.42	1/8	720.55	1/8	899.69	1/8	1,078.66	1/8	1,257.31	1/8	1,436.30	1/8	1,615.89
1/4	19.88	1/4	186.88	1/4	366.02	1/4	545.15	1/4	724.28	1/4	903.42	1/4	1,082.38	1/4	1,261.04	1/4	1,440.04	1/4	1,619.63
3/8	22.21	3/8	190.61	3/8	369.75	3/8	548.88	3/8	728.02	3/8	907.16	3/8	1,086.10	3/8	1,264.76	3/8	1,443.78	3/8	1,623.37
1/2	24.54	1/2	194.34	1/2	373.48	1/2	552.61	1/2	731.75	1/2	910.89	1/2	1,089.82	1/2	1,268.48	1/2	1,447.53	1/2	1,627.12
5/8	26.87	5/8	198.08	5/8	377.21	5/8	556.35	5/8	735.48	5/8	914.62	5/8	1,093.55	5/8	1,272.20	5/8	1,451.27	5/8	1,630.86
3/4	29.21	3/4	201.81	3/4	380.95	3/4	560.08	3/4	739.21	3/4	918.35	3/4	1,097.27	3/4	1,275.93	3/4	1,455.01	3/4	1,634.60
7/8	31.54	7/8	205.54	7/8	384.68	7/8	563.81	7/8	742.95	7/8	922.09	7/8	1,100.99	7/8	1,279.65	7/8	1,458.75	7/8	1,638.34
1	33.87	7	209.27	1	388.41	7	567.54	1	746.68	7	925.82	1	1,104.71	7	1,283.37	1	1,462.49	7	1,642.08
1/8	37.14	1/8	213.00	1/8	392.14	1/8	571.27	1/8	750.41	1/8	929.55	1/8	1,108.43	1/8	1,287.09	1/8	1,466.23	1/8	1,645.82
1/4	40.40	1/4	216.74	1/4	395.87	1/4	575.00	1/4	754.14	1/4	933.28	1/4	1,112.16	1/4	1,290.81	1/4	1,469.97	1/4	1,649.57
3/8	43.67	3/8	220.47	3/8	399.60	3/8	578.74	3/8	757.88	3/8	937.01	3/8	1,115.88	3/8	1,294.53	3/8	1,473.71	3/8	1,653.31
1/2	46.93	1/2	224.20	1/2	403.33	1/2	582.47	1/2	761.61	1/2	940.74	1/2	1,119.60	1/2	1,298.25	1/2	1,477.46	1/2	1,657.05
5/8	50.20	5/8	227.93	5/8	407.07	5/8	586.20	5/8	765.34	5/8	944.48	5/8	1,123.32	5/8	1,301.98	5/8	1,481.20	5/8	1,660.79
3/4	53.46	3/4	231.67	3/4	410.80	3/4	589.93	3/4	769.07	3/4	948.21	3/4	1,127.05	3/4	1,305.70	3/4	1,484.94	3/4	1,664.53
7/8	56.73	7/8	235.40	7/8	414.53	7/8	593.67	7/8	772.81	7/8	951.94	7/8	1,130.77	7/8	1,309.42	7/8	1,488.68	7/8	1,668.28
2	59.99	8	239.13	2	418.26	8	597.40	2	776.54	8	955.67	2	1,134.49	8	1,313.14	2	1,492.42	8	1,672.02
1/8	63.72	1/8	242.86	1/8	421.99	1/8	601.13	1/8	780.27	1/8	959.40	1/8	1,138.21	1/8	1,316.86	1/8	1,496.16	1/8	1,675.76
1/4	67.46	1/4	246.59	1/4	425.72	1/4	604.86	1/4	784.00	1/4	963.13	1/4	1,141.93	1/4	1,320.58	1/4	1,499.91	1/4	1,679.50
3/8	71.19	3/8	250.32	3/8	429.46	3/8	608.60	3/8	787.73	3/8	966.87	3/8	1,145.65	3/8	1,324.31	3/8	1,503.65	3/8	1,683.24
1/2	74.92	1/2	254.05	1/2	433.19	1/2	612.33	1/2	791.46	1/2	970.60	1/2	1,149.37	1/2	1,328.03	1/2	1,507.39	1/2	1,686.98
5/8	78.65	5/8	257.79	5/8	436.92	5/8	616.06	5/8	795.20	5/8	974.33	5/8	1,153.10	5/8	1,331.75	5/8	1,511.13	5/8	1,690.73
3/4	82.39	3/4	261.52	3/4	440.65	3/4	619.79	3/4	798.93	3/4	978.06	3/4	1,156.82	3/4	1,335.47	3/4	1,514.88	3/4	1,694.47
7/8	86.12	7/8	265.25	7/8	444.39	7/8	623.53	7/8	802.66	7/8	981.80	7/8	1,160.54	7/8	1,339.20	7/8	1,518.62	7/8	1,698.21
3	89.85	9	268.98	3	448.12	9	627.26	3	806.39	9	985.53	3	1,164.26	9	1,342.92	3	1,522.36	9	1,701.95
1/8	93.58	1/8	272.71	1/8	451.85	1/8	630.99	1/8	810.12	1/8	989.26	1/8	1,167.98	1/8	1,346.64	1/8	1,526.10	1/8	1,705.69
1/4	97.31	1/4	276.44	1/4	455.58	1/4	634.72	1/4	813.85	1/4	992.99	1/4	1,171.70	1/4	1,350.36	1/4	1,529.84	1/4	1,709.43
3/8	101.04	3/8	280.18	3/8	459.32	3/8	638.45	3/8	817.59	3/8	996.72	3/8	1,175.43	3/8	1,354.09	3/8	1,533.58	3/8	1,713.17
1/2	104.77	1/2	283.91	1/2	463.05	1/2	642.18	1/2	821.32	1/2	1,000.45	1/2	1,179.15	1/2	1,357.81	1/2	1,537.32	1/2	1,716.92
5/8	108.51	5/8	287.64	5/8	466.78	5/8	645.92	5/8	825.05	5/8	1,004.19	5/8	1,182.87	5/8	1,361.53	5/8	1,541.07	5/8	1,720.66
3/4	112.24	3/4	291.37	3/4	470.51	3/4	649.65	3/4	828.78	3/4	1,007.92	3/4	1,186.59	3/4	1,365.25	3/4	1,544.81	3/4	1,724.40
7/8	115.97	7/8	295.11	7/8	474.25	7/8	653.38	7/8	832.52	7/8	1,011.65	7/8	1,190.32	7/8	1,368.98	7/8	1,548.55	7/8	1,728.14
4	119.70	10	298.84	4	477.98	10	657.11	4	836.25	10	1,015.38	4	1,194.04	10	1,372.70	4	1,552.29	10	1,731.88
1/8	123.43	1/8	302.57	1/8	481.71	1/8	660.84	1/8	839.98	1/8	1,019.10	1/8	1,197.76	1/8	1,376.44	1/8	1,556.03	1/8	1,735.62
1/4	127.16	1/4	306.30	1/4	485.44	1/4	664.57	1/4	843.71	1/4	1,022.82	1/4	1,201.48	1/4	1,380.18	1/4	1,559.77	1/4	1,739.36
3/8	130.90	3/8	310.04	3/8	489.17	3/8	668.31	3/8	847.44	3/8	1,026.55	3/8	1,205.21	3/8	1,383.92	3/8	1,563.51	3/8	1,743.10
1/2	134.63	1/2	313.77	1/2	492.90	1/2	672.04	1/2	851.17	1/2	1,030.27	1/2	1,208.93	1/2	1,387.66	1/2	1,567.26	1/2	1,746.85
5/8	138.36	5/8	317.50	5/8	496.64	5/8	675.77	5/8	854.91	5/8	1,033.99	5/8	1,212.65	5/8	1,391.41	5/8	1,571.00	5/8	1,750.59
3/4	142.09	3/4	321.23	3/4	500.37	3/4	679.50	3/4	858.64	3/4	1,037.71	3/4	1,216.37	3/4	1,395.15	3/4	1,574.74	3/4	1,754.33
7/8	145.83	7/8	324.97	7/8	504.10	7/8	683.24	7/8	862.37	7/8	1,041.44	7/8	1,220.10	7/8	1,398.89	7/8	1,578.48	7/8	1,758.07
5	149.56	11	328.70	5	507.83	11	686.97	5	866.10	11	1,045.16	5	1,223.82	11	1,402.63	5	1,582.22	11	1,761.81
1/8	153.29	1/8	332.43	1/8	511.56	1/8	690.70	1/8	869.83	1/8	1,048.88	1/8	1,227.54	1/8	1,406.37	1/8	1,585.96	1/8	1,765.55
1/4	157.02	1/4	336.16	1/4	515.30	1/4	694.43	1/4	873.56	1/4	1,052.60	1/4	1,231.26	1/4	1,410.11	1/4	1,589.70	1/4	1,769.29
3/8	160.76	3/8	339.89	3/8	519.03	3/8	698.16	3/8	877.30	3/8	1,056.33	3/8	1,234.98	3/8	1,413.85	3/8	1,593.44	3/8	1,773.03
1/2	164.49	1/2	343.62	1/2	522.76	1/2	701.89	1/2	881.03	1/2	1,060.05	1/2	1,238.70	1/2	1,417.60	1/2	1,597.19	1/2	1,776.78
5/8	168.22	5/8	347.36	5/8	526.49	5/8	705.63	5/8	884.76	5/8	1,063.77	5/8	1,242.43	5/8	1,421.34	5/8	1,600.93	5/8	1,780.52
3/4	171.95	3/4	351.09	3/4	530.23	3/4	709.36	3/4	888.49	3/4	1,067.49	3/4	1,246.15	3/4	1,425.08	3/4	1,604.67	3/4	1,784.26
7/8	175.69	7/8	354.82	7/8	533.96	7/8	713.09	7/8	892.23	7/8	1,071.22	7/8	1,249.87	7/8	1,428.82	7/8	1,608.41	7/8	1,788.00

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" "HERMETIC" VALVE.

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

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 29149"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30028"

GAUGE HEIGHT 15'-08 3/4"

IN	5 FT.	IN	5 FT.	IN	6 FT.	IN	6 FT.	IN	7 FT.	IN	7 FT.	IN	8 FT.	IN	8 FT.	IN	9 FT.	IN	9 FT.
0	1,791.74	6	1,971.34	0	2,150.93	6	2,330.52	0	2,510.11	6	2,689.70	0	2,869.30	6	3,048.89	0	3,228.48	6	3,408.07
1/8	1,795.48	1/8	1,975.08	1/8	2,154.67	1/8	2,334.26	1/8	2,513.85	1/8	2,693.44	1/8	2,873.04	1/8	3,052.63	1/8	3,232.22	1/8	3,411.69
1/4	1,799.23	1/4	1,978.82	1/4	2,158.41	1/4	2,338.00	1/4	2,517.59	1/4	2,697.19	1/4	2,876.78	1/4	3,056.37	1/4	3,235.96	1/4	3,415.32
3/8	1,802.97	3/8	1,982.56	3/8	2,162.15	3/8	2,341.74	3/8	2,521.33	3/8	2,700.93	3/8	2,880.52	3/8	3,060.11	3/8	3,239.70	3/8	3,418.94
1/2	1,806.71	1/2	1,986.30	1/2	2,165.90	1/2	2,345.49	1/2	2,525.08	1/2	2,704.67	1/2	2,884.26	1/2	3,063.86	1/2	3,243.45	1/2	3,422.56
5/8	1,810.45	5/8	1,990.05	5/8	2,169.64	5/8	2,349.23	5/8	2,528.82	5/8	2,708.41	5/8	2,888.01	5/8	3,067.60	5/8	3,247.19	5/8	3,426.18
3/4	1,814.19	3/4	1,993.79	3/4	2,173.38	3/4	2,352.97	3/4	2,532.56	3/4	2,712.16	3/4	2,891.75	3/4	3,071.34	3/4	3,250.93	3/4	3,429.81
7/8	1,817.94	7/8	1,997.53	7/8	2,177.12	7/8	2,356.71	7/8	2,536.30	7/8	2,715.90	7/8	2,895.49	7/8	3,075.08	7/8	3,254.67	7/8	3,433.43
1	1,821.68	7	2,001.27	1	2,180.86	7	2,360.45	1	2,540.04	7	2,719.64	1	2,899.23	7	3,078.82	1	3,258.41	7	3,437.05
1/8	1,825.42	1/8	2,005.01	1/8	2,184.60	1/8	2,364.19	1/8	2,543.78	1/8	2,723.38	1/8	2,902.97	1/8	3,082.56	1/8	3,262.15	1/8	3,440.45
1/4	1,829.16	1/4	2,008.75	1/4	2,188.34	1/4	2,367.93	1/4	2,547.53	1/4	2,727.12	1/4	2,906.71	1/4	3,086.31	1/4	3,265.89	1/4	3,443.85
3/8	1,832.90	3/8	2,012.49	3/8	2,192.08	3/8	2,371.67	3/8	2,551.27	3/8	2,730.86	3/8	2,910.45	3/8	3,090.05	3/8	3,269.63	3/8	3,447.25
1/2	1,836.64	1/2	2,016.24	1/2	2,195.83	1/2	2,375.42	1/2	2,555.01	1/2	2,734.60	1/2	2,914.20	1/2	3,093.79	1/2	3,273.38	1/2	3,450.65
5/8	1,840.39	5/8	2,019.98	5/8	2,199.57	5/8	2,379.16	5/8	2,558.75	5/8	2,738.35	5/8	2,917.94	5/8	3,097.53	5/8	3,277.12	5/8	3,454.05
3/4	1,844.13	3/4	2,023.72	3/4	2,203.31	3/4	2,382.90	3/4	2,562.49	3/4	2,742.09	3/4	2,921.68	3/4	3,101.27	3/4	3,280.86	3/4	3,457.45
7/8	1,847.87	7/8	2,027.46	7/8	2,207.05	7/8	2,386.64	7/8	2,566.24	7/8	2,745.83	7/8	2,925.42	7/8	3,105.02	7/8	3,284.60	7/8	3,460.85
2	1,851.61	8	2,031.20	2	2,210.79	8	2,390.38	2	2,569.98	8	2,749.57	2	2,929.16	8	3,108.76	2	3,288.34	8	3,464.25
1/8	1,855.35	1/8	2,034.94	1/8	2,214.53	1/8	2,394.12	1/8	2,573.72	1/8	2,753.31	1/8	2,932.90	1/8	3,112.50	1/8	3,292.08	1/8	3,467.43
1/4	1,859.09	1/4	2,038.68	1/4	2,218.27	1/4	2,397.87	1/4	2,577.46	1/4	2,757.05	1/4	2,936.64	1/4	3,116.24	1/4	3,295.83	1/4	3,470.61
3/8	1,862.83	3/8	2,042.42	3/8	2,222.01	3/8	2,401.61	3/8	2,581.20	3/8	2,760.79	3/8	2,940.38	3/8	3,119.98	3/8	3,299.57	3/8	3,473.79
1/2	1,866.58	1/2	2,046.17	1/2	2,225.76	1/2	2,405.35	1/2	2,584.94	1/2	2,764.54	1/2	2,944.13	1/2	3,123.72	1/2	3,303.31	1/2	3,476.97
5/8	1,870.32	5/8	2,049.91	5/8	2,229.50	5/8	2,409.09	5/8	2,588.69	5/8	2,768.28	5/8	2,947.87	5/8	3,127.46	5/8	3,307.05	5/8	3,480.15
3/4	1,874.06	3/4	2,053.65	3/4	2,233.24	3/4	2,412.84	3/4	2,592.43	3/4	2,772.02	3/4	2,951.61	3/4	3,131.20	3/4	3,310.80	3/4	3,483.33
7/8	1,877.80	7/8	2,057.39	7/8	2,236.98	7/8	2,416.58	7/8	2,596.17	7/8	2,775.76	7/8	2,955.35	7/8	3,134.94	7/8	3,314.54	7/8	3,486.51
3	1,881.54	9	2,061.13	3	2,240.72	9	2,420.32	3	2,599.91	9	2,779.50	3	2,959.09	9	3,138.68	3	3,318.28	9	3,489.69
1/8	1,885.28	1/8	2,064.87	1/8	2,244.46	1/8	2,424.06	1/8	2,603.65	1/8	2,783.24	1/8	2,962.83	1/8	3,142.42	1/8	3,322.02	1/8	3,492.65
1/4	1,889.02	1/4	2,068.61	1/4	2,248.21	1/4	2,427.81	1/4	2,607.39	1/4	2,786.98	1/4	2,966.57	1/4	3,146.16	1/4	3,325.76	1/4	3,495.61
3/8	1,892.76	3/8	2,072.35	3/8	2,251.95	3/8	2,431.55	3/8	2,611.13	3/8	2,790.72	3/8	2,970.31	3/8	3,149.91	3/8	3,329.50	3/8	3,498.56
1/2	1,896.51	1/2	2,076.10	1/2	2,255.69	1/2	2,435.29	1/2	2,614.88	1/2	2,794.47	1/2	2,974.06	1/2	3,153.65	1/2	3,333.24	1/2	3,501.52
5/8	1,900.25	5/8	2,079.84	5/8	2,259.43	5/8	2,439.03	5/8	2,618.62	5/8	2,798.21	5/8	2,977.80	5/8	3,157.39	5/8	3,336.99	5/8	3,504.48
3/4	1,903.99	3/4	2,083.58	3/4	2,263.17	3/4	2,442.77	3/4	2,622.36	3/4	2,801.95	3/4	2,981.54	3/4	3,161.13	3/4	3,340.73	3/4	3,507.44
7/8	1,907.73	7/8	2,087.32	7/8	2,266.92	7/8	2,446.52	7/8	2,626.10	7/8	2,805.69	7/8	2,985.28	7/8	3,164.88	7/8	3,344.47	7/8	3,510.39
4	1,911.47	10	2,091.06	4	2,270.66	10	2,450.26	4	2,629.84	10	2,809.43	4	2,989.02	10	3,168.62	4	3,348.21	10	3,513.35
1/8	1,915.21	1/8	2,094.80	1/8	2,274.40	1/8	2,454.00	1/8	2,633.58	1/8	2,813.17	1/8	2,992.76	1/8	3,172.36	1/8	3,351.95	1/8	3,516.21
1/4	1,918.95	1/4	2,098.55	1/4	2,278.14	1/4	2,457.74	1/4	2,637.32	1/4	2,816.91	1/4	2,996.51	1/4	3,176.10	1/4	3,355.69	1/4	3,519.08
3/8	1,922.69	3/8	2,102.29	3/8	2,281.88	3/8	2,461.48	3/8	2,641.06	3/8	2,820.65	3/8	3,000.25	3/8	3,179.84	3/8	3,359.43	3/8	3,521.94
1/2	1,926.44	1/2	2,106.03	1/2	2,285.62	1/2	2,465.22	1/2	2,644.81	1/2	2,824.40	1/2	3,003.99	1/2	3,183.58	1/2	3,363.18	1/2	3,524.80
5/8	1,930.18	5/8	2,109.77	5/8	2,289.37	5/8	2,468.96	5/8	2,648.55	5/8	2,828.14	5/8	3,007.73	5/8	3,187.33	5/8	3,366.92	5/8	3,527.67
3/4	1,933.92	3/4	2,113.51	3/4	2,293.11	3/4	2,472.70	3/4	2,652.29	3/4	2,831.88	3/4	3,011.48	3/4	3,191.07	3/4	3,370.66	3/4	3,530.53
7/8	1,937.66	7/8	2,117.26	7/8	2,296.85	7/8	2,476.44	7/8	2,656.03	7/8	2,835.62	7/8	3,015.22	7/8	3,194.81	7/8	3,374.40	7/8	3,533.40
5	1,941.40	11	2,121.00	5	2,300.59	11	2,480.18	5	2,659.77	11	2,839.36	5	3,018.96	11	3,198.55	5	3,378.14	11	3,536.26
1/8	1,945.14	1/8	2,124.74	1/8	2,304.33	1/8	2,483.92	1/8	2,663.51	1/8	2,843.10	1/8	3,022.70	1/8	3,202.29	1/8	3,381.88	1/8	3,538.65
1/4	1,948.89	1/4	2,128.48	1/4	2,308.07	1/4	2,487.66	1/4	2,667.25	1/4	2,846.85	1/4	3,026.44	1/4	3,206.03	1/4	3,385.62	1/4	3,541.04
3/8	1,952.63	3/8	2,132.22	3/8	2,311.81	3/8	2,491.40	3/8	2,670.99	3/8	2,850.59	3/8	3,030.18	3/8	3,209.77	3/8	3,389.36	3/8	3,543.43
1/2	1,956.37	1/2	2,135.96	1/2	2,315.56	1/2	2,495.14	1/2	2,674.74	1/2	2,854.33	1/2	3,033.92	1/2	3,213.52	1/2	3,393.11	1/2	3,545.82
5/8	1,960.11	5/8	2,139.71	5/8	2,319.30	5/8	2,498.89	5/8	2,678.48	5/8	2,858.07	5/8	3,037.67	5/8	3,217.26	5/8	3,396.85	5/8	3,548.21
3/4	1,963.85	3/4	2,143.45	3/4	2,323.04	3/4	2,502.63	3/4	2,682.22	3/4	2,861.82	3/4	3,041.41	3/4	3,221.00	3/4	3,400.59	3/4	3,550.60
7/8	1,967.60	7/8	2,147.19	7/8	2,326.78	7/8	2,506.37	7/8	2,685.96	7/8	2,865.56	7/8	3,045.15	7/8	3,224.74	7/8	3,404.33	7/8	3,552.99

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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BARGE "KIRBY 29149"

3 PORT

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30028"

GAUGE HEIGHT 15'-08 3/4"

IN	10 FT.	IN	10 FT.	IN	11 FT.	IN	11 FT.	IN	12 FT.	IN	12 FT.	IN	13 FT.	IN	13 FT.	IN	14 FT.	IN	14 FT.
0	3,555.38	6	3,665.76	0	3,775.92	6	3,886.08	0	3,996.24	6	4,106.40	0	4,216.56	6	4,326.72	0	4,436.88	6	4,508.76
1/8	3,557.70	1/8	3,668.05	1/8	3,778.21	1/8	3,888.37	1/8	3,998.53	1/8	4,108.69	1/8	4,218.85	1/8	4,329.01	1/8	4,439.17	1/8	4,508.95
1/4	3,560.02	1/4	3,670.35	1/4	3,780.51	1/4	3,890.67	1/4	4,000.83	1/4	4,110.99	1/4	4,221.15	1/4	4,331.31	1/4	4,441.47	1/4	4,509.15
3/8	3,562.35	3/8	3,672.64	3/8	3,782.80	3/8	3,892.96	3/8	4,003.12	3/8	4,113.28	3/8	4,223.44	3/8	4,333.60	3/8	4,443.76	3/8	4,509.34
1/2	3,564.67	1/2	3,674.94	1/2	3,785.10	1/2	3,895.26	1/2	4,005.42	1/2	4,115.58	1/2	4,225.74	1/2	4,335.90	1/2	4,446.06	1/2	4,509.53
5/8	3,566.99	5/8	3,677.23	5/8	3,787.39	5/8	3,897.55	5/8	4,007.71	5/8	4,117.87	5/8	4,228.03	5/8	4,338.19	5/8	4,448.35	5/8	4,509.73
3/4	3,569.31	3/4	3,679.53	3/4	3,789.69	3/4	3,899.85	3/4	4,010.01	3/4	4,120.17	3/4	4,230.33	3/4	4,340.49	3/4	4,450.65	3/4	4,509.92
7/8	3,571.64	7/8	3,681.82	7/8	3,791.98	7/8	3,902.14	7/8	4,012.30	7/8	4,122.46	7/8	4,232.62	7/8	4,342.78	7/8	4,452.94	7/8	4,510.12
1	3,573.96	7	3,684.12	1	3,794.28	7	3,904.44	1	4,014.60	7	4,124.76	1	4,234.92	7	4,345.08	1	4,455.24	7	4,510.31
1/8	3,576.25	1/8	3,686.41	1/8	3,796.57	1/8	3,906.73	1/8	4,016.89	1/8	4,127.05	1/8	4,237.21	1/8	4,347.37	1/8	4,457.34	1/8	4,510.48
1/4	3,578.55	1/4	3,688.71	1/4	3,798.87	1/4	3,909.03	1/4	4,019.19	1/4	4,129.35	1/4	4,239.51	1/4	4,349.67	1/4	4,459.44	1/4	4,510.65
3/8	3,580.84	3/8	3,691.00	3/8	3,801.16	3/8	3,911.32	3/8	4,021.48	3/8	4,131.64	3/8	4,241.80	3/8	4,351.96	3/8	4,461.55	3/8	4,510.86
1/2	3,583.14	1/2	3,693.30	1/2	3,803.46	1/2	3,913.62	1/2	4,023.78	1/2	4,133.94	1/2	4,244.10	1/2	4,354.26	1/2	4,463.65	1/2	4,511.07
5/8	3,585.43	5/8	3,695.59	5/8	3,805.75	5/8	3,915.91	5/8	4,026.07	5/8	4,136.23	5/8	4,246.39	5/8	4,356.55	5/8	4,465.75	5/8	4,511.28
3/4	3,587.73	3/4	3,697.89	3/4	3,808.05	3/4	3,918.21	3/4	4,028.37	3/4	4,138.53	3/4	4,248.69	3/4	4,358.85	3/4	4,467.85	3/4	4,511.49
7/8	3,590.02	7/8	3,700.18	7/8	3,810.34	7/8	3,920.50	7/8	4,030.66	7/8	4,140.82	7/8	4,250.98	7/8	4,361.14	7/8	4,469.96	7/8	4,511.70
2	3,592.32	8	3,702.48	2	3,812.64	8	3,922.80	2	4,032.96	8	4,143.12	2	4,253.28	8	4,363.44	2	4,472.06	8	4,511.91
1/8	3,594.61	1/8	3,704.77	1/8	3,814.93	1/8	3,925.09	1/8	4,035.25	1/8	4,145.41	1/8	4,255.57	1/8	4,365.73	1/8	4,473.78	1/8	4,512.12
1/4	3,596.91	1/4	3,707.07	1/4	3,817.23	1/4	3,927.39	1/4	4,037.55	1/4	4,147.71	1/4	4,257.87	1/4	4,368.03	1/4	4,475.50	1/4	4,512.33
3/8	3,599.20	3/8	3,709.36	3/8	3,819.52	3/8	3,929.68	3/8	4,039.84	3/8	4,150.00	3/8	4,260.16	3/8	4,370.32	3/8	4,477.22	3/8	4,512.54
1/2	3,601.50	1/2	3,711.66	1/2	3,821.82	1/2	3,931.98	1/2	4,042.14	1/2	4,152.30	1/2	4,262.46	1/2	4,372.62	1/2	4,478.94	1/2	4,512.75
5/8	3,603.79	5/8	3,713.95	5/8	3,824.11	5/8	3,934.27	5/8	4,044.43	5/8	4,154.59	5/8	4,264.75	5/8	4,374.91	5/8	4,480.67	5/8	4,512.96
3/4	3,606.09	3/4	3,716.25	3/4	3,826.41	3/4	3,936.57	3/4	4,046.73	3/4	4,156.89	3/4	4,267.05	3/4	4,377.21	3/4	4,482.39	3/4	4,513.17
7/8	3,608.38	7/8	3,718.54	7/8	3,828.70	7/8	3,938.86	7/8	4,049.02	7/8	4,159.18	7/8	4,269.34	7/8	4,379.50	7/8	4,484.11	7/8	4,513.38
3	3,610.68	9	3,720.84	3	3,831.00	9	3,941.16	3	4,051.32	9	4,161.48	3	4,271.64	9	4,381.80	3	4,485.83	9	4,513.59
1/8	3,612.97	1/8	3,723.13	1/8	3,833.29	1/8	3,943.45	1/8	4,053.61	1/8	4,163.77	1/8	4,273.93	1/8	4,384.09	1/8	4,487.17	1/8	4,513.80
1/4	3,615.27	1/4	3,725.43	1/4	3,835.59	1/4	3,945.75	1/4	4,055.91	1/4	4,165.93	1/4	4,276.23	1/4	4,386.39	1/4	4,488.51	1/4	4,514.01
3/8	3,617.56	3/8	3,727.72	3/8	3,837.88	3/8	3,948.04	3/8	4,058.20	3/8	4,168.36	3/8	4,278.52	3/8	4,388.68	3/8	4,489.85	3/8	4,514.22
1/2	3,619.86	1/2	3,730.02	1/2	3,840.18	1/2	3,950.34	1/2	4,060.50	1/2	4,170.66	1/2	4,280.82	1/2	4,390.98	1/2	4,491.18	1/2	4,514.43
5/8	3,622.15	5/8	3,732.31	5/8	3,842.47	5/8	3,952.63	5/8	4,062.79	5/8	4,172.95	5/8	4,283.11	5/8	4,393.27	5/8	4,492.52	5/8	4,514.64
3/4	3,624.45	3/4	3,734.61	3/4	3,844.77	3/4	3,954.93	3/4	4,065.09	3/4	4,175.25	3/4	4,285.41	3/4	4,395.57	3/4	4,493.86	3/4	4,514.85
7/8	3,626.74	7/8	3,736.90	7/8	3,847.06	7/8	3,957.22	7/8	4,067.38	7/8	4,177.54	7/8	4,287.70	7/8	4,397.86	7/8	4,495.20	7/8	4,515.06
4	3,629.04	10	3,739.20	4	3,849.36	10	3,959.52	4	4,069.68	10	4,179.84	4	4,290.00	10	4,400.16	4	4,496.54	10	4,515.27
1/8	3,631.33	1/8	3,741.49	1/8	3,851.65	1/8	3,961.81	1/8	4,071.97	1/8	4,182.13	1/8	4,292.29	1/8	4,402.45	1/8	4,497.50	1/8	4,515.48
1/4	3,633.63	1/4	3,743.79	1/4	3,853.95	1/4	3,964.11	1/4	4,074.27	1/4	4,184.43	1/4	4,294.59	1/4	4,404.75	1/4	4,498.45	1/4	4,515.69
3/8	3,635.92	3/8	3,746.08	3/8	3,856.24	3/8	3,966.40	3/8	4,076.56	3/8	4,186.72	3/8	4,296.88	3/8	4,407.04	3/8	4,499.41	3/8	4,515.90
1/2	3,638.22	1/2	3,748.38	1/2	3,858.54	1/2	3,968.70	1/2	4,078.86	1/2	4,189.02	1/2	4,299.18	1/2	4,409.34	1/2	4,500.36	1/2	4,516.11
5/8	3,640.51	5/8	3,750.67	5/8	3,860.83	5/8	3,970.99	5/8	4,081.15	5/8	4,191.31	5/8	4,301.47	5/8	4,411.63	5/8	4,501.32	5/8	4,516.32
3/4	3,642.81	3/4	3,752.97	3/4	3,863.13	3/4	3,973.29	3/4	4,083.45	3/4	4,193.61	3/4	4,303.77	3/4	4,413.93	3/4	4,502.28	3/4	4,516.53
7/8	3,645.10	7/8	3,755.26	7/8	3,865.42	7/8	3,975.58	7/8	4,085.74	7/8	4,195.90	7/8	4,306.06	7/8	4,416.22	7/8	4,503.23	7/8	4,516.74
5	3,647.40	11	3,757.56	5	3,867.72	11	3,977.88	5	4,088.04	11	4,198.20	5	4,308.36	11	4,418.52	5	4,504.19	11	4,516.95
1/8	3,649.69	1/8	3,759.85	1/8	3,870.01	1/8	3,980.17	1/8	4,090.33	1/8	4,200.49	1/8	4,310.65	1/8	4,420.81	1/8	4,504.76	1/8	4,517.16
1/4	3,651.99	1/4	3,762.15	1/4	3,872.31	1/4	3,982.47	1/4	4,092.63	1/4	4,202.79	1/4	4,312.95	1/4	4,423.11	1/4	4,505.33	1/4	4,517.37
3/8	3,654.28	3/8	3,764.44	3/8	3,874.60	3/8	3,984.76	3/8	4,094.92	3/8	4,205.08	3/8	4,315.24	3/8	4,425.40	3/8	4,505.90	3/8	4,517.58
1/2	3,656.58	1/2	3,766.74	1/2	3,876.90	1/2	3,987.06	1/2	4,097.22	1/2	4,207.38	1/2	4,317.54	1/2	4,427.70	1/2	4,506.47	1/2	4,517.79
5/8	3,658.87	5/8	3,769.03	5/8	3,879.19	5/8	3,989.35	5/8	4,099.51	5/8	4,209.67	5/8	4,319.83	5/8	4,429.99	5/8	4,507.05	5/8	4,518.00
3/4	3,661.17	3/4	3,771.33	3/4	3,881.49	3/4	3,991.65	3/4	4,101.81	3/4	4,211.97	3/4	4,322.13	3/4	4,432.29	3/4	4,507.62	3/4	4,518.21
7/8	3,663.46	7/8	3,773.62	7/8	3,883.78	7/8	3,993.94	7/8	4,104.10	7/8	4,214.26	7/8	4,324.42	7/8	4,434.58	7/8	4,508.19	7/8	4,518.42

STRAPPED: 09/08/2011 INSP.
RECALCULATED: 11/23/2021 PMA

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

Pearland, Texas 77588

<http://www.pmacorp.net>

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2021



BARGE "KIRBY 29149"

3 STBD

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30028"

GAUGE HEIGHT 15'-09"

IN	0 FT.	IN	0 FT.	IN	1 FT.	IN	1 FT.	IN	2 FT.	IN	2 FT.	IN	3 FT.	IN	3 FT.	IN	4 FT.	IN	4 FT.
0	15.21	6	179.42	0	358.55	6	537.69	0	716.82	6	895.96	0	1,074.94	6	1,253.59	0	1,432.56	6	1,612.15
1/8	17.54	1/8	183.15	1/8	362.28	1/8	541.42	1/8	720.55	1/8	899.69	1/8	1,078.66	1/8	1,257.31	1/8	1,436.30	1/8	1,615.89
1/4	19.88	1/4	186.88	1/4	366.02	1/4	545.15	1/4	724.28	1/4	903.42	1/4	1,082.38	1/4	1,261.04	1/4	1,440.04	1/4	1,619.63
3/8	22.21	3/8	190.61	3/8	369.75	3/8	548.88	3/8	728.02	3/8	907.16	3/8	1,086.10	3/8	1,264.76	3/8	1,443.78	3/8	1,623.37
1/2	24.54	1/2	194.34	1/2	373.48	1/2	552.61	1/2	731.75	1/2	910.89	1/2	1,089.82	1/2	1,268.48	1/2	1,447.53	1/2	1,627.12
5/8	26.87	5/8	198.08	5/8	377.21	5/8	556.35	5/8	735.48	5/8	914.62	5/8	1,093.55	5/8	1,272.20	5/8	1,451.27	5/8	1,630.86
3/4	29.21	3/4	201.81	3/4	380.95	3/4	560.08	3/4	739.21	3/4	918.35	3/4	1,097.27	3/4	1,275.93	3/4	1,455.01	3/4	1,634.60
7/8	31.54	7/8	205.54	7/8	384.68	7/8	563.81	7/8	742.95	7/8	922.09	7/8	1,100.99	7/8	1,279.65	7/8	1,458.75	7/8	1,638.34
1	33.87	7	209.27	1	388.41	7	567.54	1	746.68	7	925.82	1	1,104.71	7	1,283.37	1	1,462.49	7	1,642.08
1/8	37.14	1/8	213.00	1/8	392.14	1/8	571.27	1/8	750.41	1/8	929.55	1/8	1,108.43	1/8	1,287.09	1/8	1,466.23	1/8	1,645.82
1/4	40.40	1/4	216.74	1/4	395.87	1/4	575.00	1/4	754.14	1/4	933.28	1/4	1,112.16	1/4	1,290.81	1/4	1,469.97	1/4	1,649.57
3/8	43.67	3/8	220.47	3/8	399.60	3/8	578.74	3/8	757.88	3/8	937.01	3/8	1,115.88	3/8	1,294.53	3/8	1,473.71	3/8	1,653.31
1/2	46.93	1/2	224.20	1/2	403.33	1/2	582.47	1/2	761.61	1/2	940.74	1/2	1,119.60	1/2	1,298.25	1/2	1,477.46	1/2	1,657.05
5/8	50.20	5/8	227.93	5/8	407.07	5/8	586.20	5/8	765.34	5/8	944.48	5/8	1,123.32	5/8	1,301.98	5/8	1,481.20	5/8	1,660.79
3/4	53.46	3/4	231.67	3/4	410.80	3/4	589.93	3/4	769.07	3/4	948.21	3/4	1,127.05	3/4	1,305.70	3/4	1,484.94	3/4	1,664.53
7/8	56.73	7/8	235.40	7/8	414.53	7/8	593.67	7/8	772.81	7/8	951.94	7/8	1,130.77	7/8	1,309.42	7/8	1,488.68	7/8	1,668.28
2	59.99	8	239.13	2	418.26	8	597.40	2	776.54	8	955.67	2	1,134.49	8	1,313.14	2	1,492.42	8	1,672.02
1/8	63.72	1/8	242.86	1/8	421.99	1/8	601.13	1/8	780.27	1/8	959.40	1/8	1,138.21	1/8	1,316.86	1/8	1,496.16	1/8	1,675.76
1/4	67.46	1/4	246.59	1/4	425.72	1/4	604.86	1/4	784.00	1/4	963.13	1/4	1,141.93	1/4	1,320.58	1/4	1,499.91	1/4	1,679.50
3/8	71.19	3/8	250.32	3/8	429.46	3/8	608.60	3/8	787.73	3/8	966.87	3/8	1,145.65	3/8	1,324.31	3/8	1,503.65	3/8	1,683.24
1/2	74.92	1/2	254.05	1/2	433.19	1/2	612.33	1/2	791.46	1/2	970.60	1/2	1,149.37	1/2	1,328.03	1/2	1,507.39	1/2	1,686.98
5/8	78.65	5/8	257.79	5/8	436.92	5/8	616.06	5/8	795.20	5/8	974.33	5/8	1,153.10	5/8	1,331.75	5/8	1,511.13	5/8	1,690.73
3/4	82.39	3/4	261.52	3/4	440.65	3/4	619.79	3/4	798.93	3/4	978.06	3/4	1,156.82	3/4	1,335.47	3/4	1,514.88	3/4	1,694.47
7/8	86.12	7/8	265.25	7/8	444.39	7/8	623.53	7/8	802.66	7/8	981.80	7/8	1,160.54	7/8	1,339.20	7/8	1,518.62	7/8	1,698.21
3	89.85	9	268.98	3	448.12	9	627.26	3	806.39	9	985.53	3	1,164.26	9	1,342.92	3	1,522.36	9	1,701.95
1/8	93.58	1/8	272.71	1/8	451.85	1/8	630.99	1/8	810.12	1/8	989.26	1/8	1,167.98	1/8	1,346.64	1/8	1,526.10	1/8	1,705.69
1/4	97.31	1/4	276.44	1/4	455.58	1/4	634.72	1/4	813.85	1/4	992.99	1/4	1,171.70	1/4	1,350.36	1/4	1,529.84	1/4	1,709.43
3/8	101.04	3/8	280.18	3/8	459.32	3/8	638.45	3/8	817.59	3/8	996.72	3/8	1,175.43	3/8	1,354.09	3/8	1,533.58	3/8	1,713.17
1/2	104.77	1/2	283.91	1/2	463.05	1/2	642.18	1/2	821.32	1/2	1,000.45	1/2	1,179.15	1/2	1,357.81	1/2	1,537.32	1/2	1,716.92
5/8	108.51	5/8	287.64	5/8	466.78	5/8	645.92	5/8	825.05	5/8	1,004.19	5/8	1,182.87	5/8	1,361.53	5/8	1,541.07	5/8	1,720.66
3/4	112.24	3/4	291.37	3/4	470.51	3/4	649.65	3/4	828.78	3/4	1,007.92	3/4	1,186.59	3/4	1,365.25	3/4	1,544.81	3/4	1,724.40
7/8	115.97	7/8	295.11	7/8	474.25	7/8	653.38	7/8	832.52	7/8	1,011.65	7/8	1,190.32	7/8	1,368.98	7/8	1,548.55	7/8	1,728.14
4	119.70	10	298.84	4	477.98	10	657.11	4	836.25	10	1,015.38	4	1,194.04	10	1,372.70	4	1,552.29	10	1,731.88
1/8	123.43	1/8	302.57	1/8	481.71	1/8	660.84	1/8	839.98	1/8	1,019.10	1/8	1,197.76	1/8	1,376.44	1/8	1,556.03	1/8	1,735.62
1/4	127.16	1/4	306.30	1/4	485.44	1/4	664.57	1/4	843.71	1/4	1,022.82	1/4	1,201.48	1/4	1,380.18	1/4	1,559.77	1/4	1,739.36
3/8	130.90	3/8	310.04	3/8	489.17	3/8	668.31	3/8	847.44	3/8	1,026.55	3/8	1,205.21	3/8	1,383.92	3/8	1,563.51	3/8	1,743.10
1/2	134.63	1/2	313.77	1/2	492.90	1/2	672.04	1/2	851.17	1/2	1,030.27	1/2	1,208.93	1/2	1,387.66	1/2	1,567.26	1/2	1,746.85
5/8	138.36	5/8	317.50	5/8	496.64	5/8	675.77	5/8	854.91	5/8	1,033.99	5/8	1,212.65	5/8	1,391.41	5/8	1,571.00	5/8	1,750.59
3/4	142.09	3/4	321.23	3/4	500.37	3/4	679.50	3/4	858.64	3/4	1,037.71	3/4	1,216.37	3/4	1,395.15	3/4	1,574.74	3/4	1,754.33
7/8	145.83	7/8	324.97	7/8	504.10	7/8	683.24	7/8	862.37	7/8	1,041.44	7/8	1,220.10	7/8	1,398.89	7/8	1,578.48	7/8	1,758.07
5	149.56	11	328.70	5	507.83	11	686.97	5	866.10	11	1,045.16	5	1,223.82	11	1,402.63	5	1,582.22	11	1,761.81
1/8	153.29	1/8	332.43	1/8	511.56	1/8	690.70	1/8	869.83	1/8	1,048.88	1/8	1,227.54	1/8	1,406.37	1/8	1,585.96	1/8	1,765.55
1/4	157.02	1/4	336.16	1/4	515.30	1/4	694.43	1/4	873.56	1/4	1,052.60	1/4	1,231.26	1/4	1,410.11	1/4	1,589.70	1/4	1,769.29
3/8	160.76	3/8	339.89	3/8	519.03	3/8	698.16	3/8	877.30	3/8	1,056.33	3/8	1,234.98	3/8	1,413.85	3/8	1,593.44	3/8	1,773.03
1/2	164.49	1/2	343.62	1/2	522.76	1/2	701.89	1/2	881.03	1/2	1,060.05	1/2	1,238.70	1/2	1,417.60	1/2	1,597.19	1/2	1,776.78
5/8	168.22	5/8	347.36	5/8	526.49	5/8	705.63	5/8	884.76	5/8	1,063.77	5/8	1,242.43	5/8	1,421.34	5/8	1,600.93	5/8	1,780.52
3/4	171.95	3/4	351.09	3/4	530.23	3/4	709.36	3/4	888.49	3/4	1,067.49	3/4	1,246.15	3/4	1,425.08	3/4	1,604.67	3/4	1,784.26
7/8	175.69	7/8	354.82	7/8	533.96	7/8	713.09	7/8	892.23	7/8	1,071.22	7/8	1,249.87	7/8	1,428.82	7/8	1,608.41	7/8	1,788.00

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 27.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" "HERMETIC" VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 12-09" OFF CENTERLINE AND 43-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

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BARGE "KIRBY 29149"

3 STBD

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30028"

GAUGE HEIGHT 15'-09"

IN	5 FT.	IN	5 FT.	IN	6 FT.	IN	6 FT.	IN	7 FT.	IN	7 FT.	IN	8 FT.	IN	8 FT.	IN	9 FT.	IN	9 FT.
0	1,791.74	6	1,971.34	0	2,150.93	6	2,330.52	0	2,510.11	6	2,689.70	0	2,869.30	6	3,048.89	0	3,228.48	6	3,408.07
1/8	1,795.48	1/8	1,975.08	1/8	2,154.67	1/8	2,334.26	1/8	2,513.85	1/8	2,693.44	1/8	2,873.04	1/8	3,052.63	1/8	3,232.22	1/8	3,411.69
1/4	1,799.23	1/4	1,978.82	1/4	2,158.41	1/4	2,338.00	1/4	2,517.59	1/4	2,697.19	1/4	2,876.78	1/4	3,056.37	1/4	3,235.96	1/4	3,415.32
3/8	1,802.97	3/8	1,982.56	3/8	2,162.15	3/8	2,341.74	3/8	2,521.33	3/8	2,700.93	3/8	2,880.52	3/8	3,060.11	3/8	3,239.70	3/8	3,418.94
1/2	1,806.71	1/2	1,986.30	1/2	2,165.90	1/2	2,345.49	1/2	2,525.08	1/2	2,704.67	1/2	2,884.26	1/2	3,063.86	1/2	3,243.45	1/2	3,422.56
5/8	1,810.45	5/8	1,990.05	5/8	2,169.64	5/8	2,349.23	5/8	2,528.82	5/8	2,708.41	5/8	2,888.01	5/8	3,067.60	5/8	3,247.19	5/8	3,426.18
3/4	1,814.19	3/4	1,993.79	3/4	2,173.38	3/4	2,352.97	3/4	2,532.56	3/4	2,712.16	3/4	2,891.75	3/4	3,071.34	3/4	3,250.93	3/4	3,429.81
7/8	1,817.94	7/8	1,997.53	7/8	2,177.12	7/8	2,356.71	7/8	2,536.30	7/8	2,715.90	7/8	2,895.49	7/8	3,075.08	7/8	3,254.67	7/8	3,433.43
1	1,821.68	7	2,001.27	1	2,180.86	7	2,360.45	1	2,540.04	7	2,719.64	1	2,899.23	7	3,078.82	1	3,258.41	7	3,437.05
1/8	1,825.42	1/8	2,005.01	1/8	2,184.60	1/8	2,364.19	1/8	2,543.78	1/8	2,723.38	1/8	2,902.97	1/8	3,082.56	1/8	3,262.15	1/8	3,440.45
1/4	1,829.16	1/4	2,008.75	1/4	2,188.34	1/4	2,367.93	1/4	2,547.53	1/4	2,727.12	1/4	2,906.71	1/4	3,086.31	1/4	3,265.89	1/4	3,443.85
3/8	1,832.90	3/8	2,012.49	3/8	2,192.08	3/8	2,371.67	3/8	2,551.27	3/8	2,730.86	3/8	2,910.45	3/8	3,090.05	3/8	3,269.63	3/8	3,447.25
1/2	1,836.64	1/2	2,016.24	1/2	2,195.83	1/2	2,375.42	1/2	2,555.01	1/2	2,734.60	1/2	2,914.20	1/2	3,093.79	1/2	3,273.38	1/2	3,450.65
5/8	1,840.39	5/8	2,019.98	5/8	2,199.57	5/8	2,379.16	5/8	2,558.75	5/8	2,738.35	5/8	2,917.94	5/8	3,097.53	5/8	3,277.12	5/8	3,454.05
3/4	1,844.13	3/4	2,023.72	3/4	2,203.31	3/4	2,382.90	3/4	2,562.49	3/4	2,742.09	3/4	2,921.68	3/4	3,101.27	3/4	3,280.86	3/4	3,457.45
7/8	1,847.87	7/8	2,027.46	7/8	2,207.05	7/8	2,386.64	7/8	2,566.24	7/8	2,745.83	7/8	2,925.42	7/8	3,105.02	7/8	3,284.60	7/8	3,460.85
2	1,851.61	8	2,031.20	2	2,210.79	8	2,390.38	2	2,569.98	8	2,749.57	2	2,929.16	8	3,108.76	2	3,288.34	8	3,464.25
1/8	1,855.35	1/8	2,034.94	1/8	2,214.53	1/8	2,394.12	1/8	2,573.72	1/8	2,753.31	1/8	2,932.90	1/8	3,112.50	1/8	3,292.08	1/8	3,467.43
1/4	1,859.09	1/4	2,038.68	1/4	2,218.27	1/4	2,397.87	1/4	2,577.46	1/4	2,757.05	1/4	2,936.64	1/4	3,116.24	1/4	3,295.83	1/4	3,470.61
3/8	1,862.83	3/8	2,042.42	3/8	2,222.01	3/8	2,401.61	3/8	2,581.20	3/8	2,760.79	3/8	2,940.38	3/8	3,119.98	3/8	3,299.57	3/8	3,473.79
1/2	1,866.58	1/2	2,046.17	1/2	2,225.76	1/2	2,405.35	1/2	2,584.94	1/2	2,764.54	1/2	2,944.13	1/2	3,123.72	1/2	3,303.31	1/2	3,476.97
5/8	1,870.32	5/8	2,049.91	5/8	2,229.50	5/8	2,409.09	5/8	2,588.69	5/8	2,768.28	5/8	2,947.87	5/8	3,127.46	5/8	3,307.05	5/8	3,480.15
3/4	1,874.06	3/4	2,053.65	3/4	2,233.24	3/4	2,412.84	3/4	2,592.43	3/4	2,772.02	3/4	2,951.61	3/4	3,131.20	3/4	3,310.80	3/4	3,483.33
7/8	1,877.80	7/8	2,057.39	7/8	2,236.98	7/8	2,416.58	7/8	2,596.17	7/8	2,775.76	7/8	2,955.35	7/8	3,134.94	7/8	3,314.54	7/8	3,486.51
3	1,881.54	9	2,061.13	3	2,240.72	9	2,420.32	3	2,599.91	9	2,779.50	3	2,959.09	9	3,138.68	3	3,318.28	9	3,489.69
1/8	1,885.28	1/8	2,064.87	1/8	2,244.46	1/8	2,424.06	1/8	2,603.65	1/8	2,783.24	1/8	2,962.83	1/8	3,142.42	1/8	3,322.02	1/8	3,492.65
1/4	1,889.02	1/4	2,068.61	1/4	2,248.21	1/4	2,427.81	1/4	2,607.39	1/4	2,786.98	1/4	2,966.57	1/4	3,146.16	1/4	3,325.76	1/4	3,495.61
3/8	1,892.76	3/8	2,072.35	3/8	2,251.95	3/8	2,431.55	3/8	2,611.13	3/8	2,790.72	3/8	2,970.31	3/8	3,149.91	3/8	3,329.50	3/8	3,498.56
1/2	1,896.51	1/2	2,076.10	1/2	2,255.69	1/2	2,435.29	1/2	2,614.88	1/2	2,794.47	1/2	2,974.06	1/2	3,153.65	1/2	3,333.24	1/2	3,501.52
5/8	1,900.25	5/8	2,079.84	5/8	2,259.43	5/8	2,439.03	5/8	2,618.62	5/8	2,798.21	5/8	2,977.80	5/8	3,157.39	5/8	3,336.99	5/8	3,504.48
3/4	1,903.99	3/4	2,083.58	3/4	2,263.17	3/4	2,442.77	3/4	2,622.36	3/4	2,801.95	3/4	2,981.54	3/4	3,161.13	3/4	3,340.73	3/4	3,507.44
7/8	1,907.73	7/8	2,087.32	7/8	2,266.92	7/8	2,446.52	7/8	2,626.10	7/8	2,805.69	7/8	2,985.28	7/8	3,164.88	7/8	3,344.47	7/8	3,510.39
4	1,911.47	10	2,091.06	4	2,270.66	10	2,450.26	4	2,629.84	10	2,809.43	4	2,989.02	10	3,168.62	4	3,348.21	10	3,513.35
1/8	1,915.21	1/8	2,094.80	1/8	2,274.40	1/8	2,454.00	1/8	2,633.58	1/8	2,813.17	1/8	2,992.76	1/8	3,172.36	1/8	3,351.95	1/8	3,516.21
1/4	1,918.95	1/4	2,098.55	1/4	2,278.14	1/4	2,457.74	1/4	2,637.32	1/4	2,816.91	1/4	2,996.51	1/4	3,176.10	1/4	3,355.69	1/4	3,519.08
3/8	1,922.69	3/8	2,102.29	3/8	2,281.88	3/8	2,461.48	3/8	2,641.06	3/8	2,820.65	3/8	3,000.25	3/8	3,179.84	3/8	3,359.43	3/8	3,521.94
1/2	1,926.44	1/2	2,106.03	1/2	2,285.62	1/2	2,465.22	1/2	2,644.81	1/2	2,824.40	1/2	3,003.99	1/2	3,183.58	1/2	3,363.18	1/2	3,524.80
5/8	1,930.18	5/8	2,109.77	5/8	2,289.37	5/8	2,468.96	5/8	2,648.55	5/8	2,828.14	5/8	3,007.73	5/8	3,187.33	5/8	3,366.92	5/8	3,527.67
3/4	1,933.92	3/4	2,113.51	3/4	2,293.11	3/4	2,472.70	3/4	2,652.29	3/4	2,831.88	3/4	3,011.48	3/4	3,191.07	3/4	3,370.66	3/4	3,530.53
7/8	1,937.66	7/8	2,117.26	7/8	2,296.85	7/8	2,476.44	7/8	2,656.03	7/8	2,835.62	7/8	3,015.22	7/8	3,194.81	7/8	3,374.40	7/8	3,533.40
5	1,941.40	11	2,121.00	5	2,300.59	11	2,480.18	5	2,659.77	11	2,839.36	5	3,018.96	11	3,198.55	5	3,378.14	11	3,536.26
1/8	1,945.14	1/8	2,124.74	1/8	2,304.33	1/8	2,483.92	1/8	2,663.51	1/8	2,843.10	1/8	3,022.70	1/8	3,202.29	1/8	3,381.88	1/8	3,538.65
1/4	1,948.89	1/4	2,128.48	1/4	2,308.07	1/4	2,487.66	1/4	2,667.25	1/4	2,846.85	1/4	3,026.44	1/4	3,206.03	1/4	3,385.62	1/4	3,541.04
3/8	1,952.63	3/8	2,132.22	3/8	2,311.81	3/8	2,491.40	3/8	2,670.99	3/8	2,850.59	3/8	3,030.18	3/8	3,209.77	3/8	3,389.36	3/8	3,543.43
1/2	1,956.37	1/2	2,135.96	1/2	2,315.56	1/2	2,495.14	1/2	2,674.74	1/2	2,854.33	1/2	3,033.92	1/2	3,213.52	1/2	3,393.11	1/2	3,545.82
5/8	1,960.11	5/8	2,139.71	5/8	2,319.30	5/8	2,498.89	5/8	2,678.48	5/8	2,858.07	5/8	3,037.67	5/8	3,217.26	5/8	3,396.85	5/8	3,548.21
3/4	1,963.85	3/4	2,143.45	3/4	2,323.04	3/4	2,502.63	3/4	2,682.22	3/4	2,861.82	3/4	3,041.41	3/4	3,221.00	3/4	3,400.59	3/4	3,550.60
7/8	1,967.60	7/8	2,147.19	7/8	2,326.78	7/8	2,506.37	7/8	2,685.96	7/8	2,865.56	7/8	3,045.15	7/8	3,224.74	7/8	3,404.33	7/8	3,552.99

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BARGE "KIRBY 29149"

3 STBD

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30028"

GAUGE HEIGHT 15'-09"

IN	10 FT.	IN	10 FT.	IN	11 FT.	IN	11 FT.	IN	12 FT.	IN	12 FT.	IN	13 FT.	IN	13 FT.	IN	14 FT.	IN	14 FT.
0	3,555.38	6	3,665.76	0	3,775.92	6	3,886.08	0	3,996.24	6	4,106.40	0	4,216.56	6	4,326.72	0	4,436.88	6	4,508.76
1/8	3,557.70	1/8	3,668.05	1/8	3,778.21	1/8	3,888.37	1/8	3,998.53	1/8	4,108.69	1/8	4,218.85	1/8	4,329.01	1/8	4,439.17	1/8	4,508.95
1/4	3,560.02	1/4	3,670.35	1/4	3,780.51	1/4	3,890.67	1/4	4,000.83	1/4	4,110.99	1/4	4,221.15	1/4	4,331.31	1/4	4,441.47	1/4	4,509.15
3/8	3,562.35	3/8	3,672.64	3/8	3,782.80	3/8	3,892.96	3/8	4,003.12	3/8	4,113.28	3/8	4,223.44	3/8	4,333.60	3/8	4,443.76	3/8	4,509.34
1/2	3,564.67	1/2	3,674.94	1/2	3,785.10	1/2	3,895.26	1/2	4,005.42	1/2	4,115.58	1/2	4,225.74	1/2	4,335.90	1/2	4,446.06	1/2	4,509.53
5/8	3,566.99	5/8	3,677.23	5/8	3,787.39	5/8	3,897.55	5/8	4,007.71	5/8	4,117.87	5/8	4,228.03	5/8	4,338.19	5/8	4,448.35	5/8	4,509.73
3/4	3,569.31	3/4	3,679.53	3/4	3,789.69	3/4	3,899.85	3/4	4,010.01	3/4	4,120.17	3/4	4,230.33	3/4	4,340.49	3/4	4,450.65	3/4	4,509.92
7/8	3,571.64	7/8	3,681.82	7/8	3,791.98	7/8	3,902.14	7/8	4,012.30	7/8	4,122.46	7/8	4,232.62	7/8	4,342.78	7/8	4,452.94	7/8	4,510.12
1	3,573.96	7	3,684.12	1	3,794.28	7	3,904.44	1	4,014.60	7	4,124.76	1	4,234.92	7	4,345.08	1	4,455.24	7	4,510.31
1/8	3,576.25	1/8	3,686.41	1/8	3,796.57	1/8	3,906.73	1/8	4,016.89	1/8	4,127.05	1/8	4,237.21	1/8	4,347.37	1/8	4,457.34	1/8	
1/4	3,578.55	1/4	3,688.71	1/4	3,798.87	1/4	3,909.03	1/4	4,019.19	1/4	4,129.35	1/4	4,239.51	1/4	4,349.67	1/4	4,459.44	1/4	
3/8	3,580.84	3/8	3,691.00	3/8	3,801.16	3/8	3,911.32	3/8	4,021.48	3/8	4,131.64	3/8	4,241.80	3/8	4,351.96	3/8	4,461.55	3/8	
1/2	3,583.14	1/2	3,693.30	1/2	3,803.46	1/2	3,913.62	1/2	4,023.78	1/2	4,133.94	1/2	4,244.10	1/2	4,354.26	1/2	4,463.65	1/2	
5/8	3,585.43	5/8	3,695.59	5/8	3,805.75	5/8	3,915.91	5/8	4,026.07	5/8	4,136.23	5/8	4,246.39	5/8	4,356.55	5/8	4,465.75	5/8	
3/4	3,587.73	3/4	3,697.89	3/4	3,808.05	3/4	3,918.21	3/4	4,028.37	3/4	4,138.53	3/4	4,248.69	3/4	4,358.85	3/4	4,467.85	3/4	
7/8	3,590.02	7/8	3,700.18	7/8	3,810.34	7/8	3,920.50	7/8	4,030.66	7/8	4,140.82	7/8	4,250.98	7/8	4,361.14	7/8	4,469.96	7/8	
2	3,592.32	8	3,702.48	2	3,812.64	8	3,922.80	2	4,032.96	8	4,143.12	2	4,253.28	8	4,363.44	2	4,472.06	8	
1/8	3,594.61	1/8	3,704.77	1/8	3,814.93	1/8	3,925.09	1/8	4,035.25	1/8	4,145.41	1/8	4,255.57	1/8	4,365.73	1/8	4,473.78	1/8	
1/4	3,596.91	1/4	3,707.07	1/4	3,817.23	1/4	3,927.39	1/4	4,037.55	1/4	4,147.71	1/4	4,257.87	1/4	4,368.03	1/4	4,475.50	1/4	
3/8	3,599.20	3/8	3,709.36	3/8	3,819.52	3/8	3,929.68	3/8	4,039.84	3/8	4,150.00	3/8	4,260.16	3/8	4,370.32	3/8	4,477.22	3/8	
1/2	3,601.50	1/2	3,711.66	1/2	3,821.82	1/2	3,931.98	1/2	4,042.14	1/2	4,152.30	1/2	4,262.46	1/2	4,372.62	1/2	4,478.94	1/2	
5/8	3,603.79	5/8	3,713.95	5/8	3,824.11	5/8	3,934.27	5/8	4,044.43	5/8	4,154.59	5/8	4,264.75	5/8	4,374.91	5/8	4,480.67	5/8	
3/4	3,606.09	3/4	3,716.25	3/4	3,826.41	3/4	3,936.57	3/4	4,046.73	3/4	4,156.89	3/4	4,267.05	3/4	4,377.21	3/4	4,482.39	3/4	
7/8	3,608.38	7/8	3,718.54	7/8	3,828.70	7/8	3,938.86	7/8	4,049.02	7/8	4,159.18	7/8	4,269.34	7/8	4,379.50	7/8	4,484.11	7/8	
3	3,610.68	9	3,720.84	3	3,831.00	9	3,941.16	3	4,051.32	9	4,161.48	3	4,271.64	9	4,381.80	3	4,485.83	9	
1/8	3,612.97	1/8	3,723.13	1/8	3,833.29	1/8	3,943.45	1/8	4,053.61	1/8	4,163.77	1/8	4,273.93	1/8	4,384.09	1/8	4,487.17	1/8	
1/4	3,615.27	1/4	3,725.43	1/4	3,835.59	1/4	3,945.75	1/4	4,055.91	1/4	4,166.07	1/4	4,276.23	1/4	4,386.39	1/4	4,488.51	1/4	
3/8	3,617.56	3/8	3,727.72	3/8	3,837.88	3/8	3,948.04	3/8	4,058.20	3/8	4,168.36	3/8	4,278.52	3/8	4,388.68	3/8	4,489.85	3/8	
1/2	3,619.86	1/2	3,730.02	1/2	3,840.18	1/2	3,950.34	1/2	4,060.50	1/2	4,170.66	1/2	4,280.82	1/2	4,390.98	1/2	4,491.18	1/2	
5/8	3,622.15	5/8	3,732.31	5/8	3,842.47	5/8	3,952.63	5/8	4,062.79	5/8	4,172.95	5/8	4,283.11	5/8	4,393.27	5/8	4,492.52	5/8	
3/4	3,624.45	3/4	3,734.61	3/4	3,844.77	3/4	3,954.93	3/4	4,065.09	3/4	4,175.25	3/4	4,285.41	3/4	4,395.57	3/4	4,493.86	3/4	
7/8	3,626.74	7/8	3,736.90	7/8	3,847.06	7/8	3,957.22	7/8	4,067.38	7/8	4,177.54	7/8	4,287.70	7/8	4,397.86	7/8	4,495.20	7/8	
4	3,629.04	10	3,739.20	4	3,849.36	10	3,959.52	4	4,069.68	10	4,179.84	4	4,290.00	10	4,400.16	4	4,496.54	10	
1/8	3,631.33	1/8	3,741.49	1/8	3,851.65	1/8	3,961.81	1/8	4,071.97	1/8	4,182.13	1/8	4,292.29	1/8	4,402.45	1/8	4,497.50	1/8	
1/4	3,633.63	1/4	3,743.79	1/4	3,853.95	1/4	3,964.11	1/4	4,074.27	1/4	4,184.43	1/4	4,294.59	1/4	4,404.75	1/4	4,498.45	1/4	
3/8	3,635.92	3/8	3,746.08	3/8	3,856.24	3/8	3,966.40	3/8	4,076.56	3/8	4,186.72	3/8	4,296.88	3/8	4,407.04	3/8	4,499.41	3/8	
1/2	3,638.22	1/2	3,748.38	1/2	3,858.54	1/2	3,968.70	1/2	4,078.86	1/2	4,189.02	1/2	4,299.18	1/2	4,409.34	1/2	4,500.36	1/2	
5/8	3,640.51	5/8	3,750.67	5/8	3,860.83	5/8	3,970.99	5/8	4,081.15	5/8	4,191.31	5/8	4,301.47	5/8	4,411.63	5/8	4,501.32	5/8	
3/4	3,642.81	3/4	3,752.97	3/4	3,863.13	3/4	3,973.29	3/4	4,083.45	3/4	4,193.61	3/4	4,303.77	3/4	4,413.93	3/4	4,502.28	3/4	
7/8	3,645.10	7/8	3,755.26	7/8	3,865.42	7/8	3,975.58	7/8	4,085.74	7/8	4,195.90	7/8	4,306.06	7/8	4,416.22	7/8	4,503.23	7/8	
5	3,647.40	11	3,757.56	5	3,867.72	11	3,977.88	5	4,088.04	11	4,198.20	5	4,308.36	11	4,418.52	5	4,504.19	11	
1/8	3,649.69	1/8	3,759.85	1/8	3,870.01	1/8	3,980.17	1/8	4,090.33	1/8	4,200.49	1/8	4,310.65	1/8	4,420.81	1/8	4,504.76	1/8	
1/4	3,651.99	1/4	3,762.15	1/4	3,872.31	1/4	3,982.47	1/4	4,092.63	1/4	4,202.79	1/4	4,312.95	1/4	4,423.11	1/4	4,505.33	1/4	
3/8	3,654.28	3/8	3,764.44	3/8	3,874.60	3/8	3,984.76	3/8	4,094.92	3/8	4,205.08	3/8	4,315.24	3/8	4,425.40	3/8	4,505.90	3/8	
1/2	3,656.58	1/2	3,766.74	1/2	3,876.90	1/2	3,987.06	1/2	4,097.22	1/2	4,207.38	1/2	4,317.54	1/2	4,427.70	1/2	4,506.47	1/2	
5/8	3,658.87	5/8	3,769.03	5/8	3,879.19	5/8	3,989.35	5/8	4,099.51	5/8	4,209.67	5/8	4,319.83	5/8	4,429.99	5/8	4,507.05	5/8	
3/4	3,661.17	3/4	3,771.33	3/4	3,881.49	3/4	3,991.65	3/4	4,101.81	3/4	4,211.97	3/4	4,322.13	3/4	4,432.29	3/4	4,507.62	3/4	
7/8	3,663.46	7/8	3,773.62	7/8	3,883.78	7/8	3,993.94	7/8	4,104.10	7/8	4,214.26	7/8	4,324.42	7/8	4,434.58	7/8	4,508.19	7/8	

STRAPPED: 09/08/2011 INSP.
RECALCULATED: 11/23/2021 PMA

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

Pearland, Texas 77588

<http://www.pmacorp.net>

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2021



BARGE "KIRBY 29149"

SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

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	415	0	983	0	1,583	0	2,129	0		0		0		0		0	
1/4	5	1/4	426	1/4	996	1/4	1,595	1/4	2,139	1/4		1/4		1/4		1/4		1/4	
1/2	10	1/2	437	1/2	1,008	1/2	1,608	1/2	2,149	1/2		1/2		1/2		1/2		1/2	
3/4	15	3/4	448	3/4	1,021	3/4	1,620	3/4	2,159	3/4		3/4		3/4		3/4		3/4	
1	20	1	459	1	1,033	1	1,632	1	2,169	1		1		1		1		1	
1/4	26	1/4	470	1/4	1,046	1/4	1,644	1/4	2,179	1/4		1/4		1/4		1/4		1/4	
1/2	33	1/2	481	1/2	1,058	1/2	1,656	1/2	2,188	1/2		1/2		1/2		1/2		1/2	
3/4	39	3/4	492	3/4	1,071	3/4	1,668	3/4	2,198	3/4		3/4		3/4		3/4		3/4	
2	45	2	503	2	1,083	2	1,680	2	2,207	2		2		2		2		2	
1/4	52	1/4	515	1/4	1,096	1/4	1,692	1/4	2,217	1/4		1/4		1/4		1/4		1/4	
1/2	60	1/2	526	1/2	1,108	1/2	1,704	1/2	2,226	1/2		1/2		1/2		1/2		1/2	
3/4	67	3/4	538	3/4	1,121	3/4	1,716	3/4	2,235	3/4		3/4		3/4		3/4		3/4	
3	74	3	549	3	1,134	3	1,728	3	2,244	3		3		3		3		3	
1/4	82	1/4	561	1/4	1,146	1/4	1,740	1/4	2,253	1/4		1/4		1/4		1/4		1/4	
1/2	89	1/2	572	1/2	1,159	1/2	1,752	1/2	2,262	1/2		1/2		1/2		1/2		1/2	
3/4	97	3/4	584	3/4	1,171	3/4	1,764	3/4	2,271	3/4		3/4		3/4		3/4		3/4	
4	105	4	595	4	1,184	4	1,776	4	2,280	4		4		4		4		4	
1/4	113	1/4	607	1/4	1,196	1/4	1,788	1/4	2,288	1/4		1/4		1/4		1/4		1/4	
1/2	122	1/2	619	1/2	1,209	1/2	1,799	1/2	2,296	1/2		1/2		1/2		1/2		1/2	
3/4	130	3/4	630	3/4	1,222	3/4	1,811	3/4	2,305	3/4		3/4		3/4		3/4		3/4	
5	138	5	642	5	1,234	5	1,823	5	2,313	5		5		5		5		5	
1/4	147	1/4	654	1/4	1,247	1/4	1,834	1/4	2,321	1/4		1/4		1/4		1/4		1/4	
1/2	156	1/2	666	1/2	1,259	1/2	1,846	1/2	2,329	1/2		1/2		1/2		1/2		1/2	
3/4	165	3/4	678	3/4	1,272	3/4	1,857	3/4	2,336	3/4		3/4		3/4		3/4		3/4	
6	174	6	690	6	1,284	6	1,869	6	2,344	6		6		6		6		6	
1/4	183	1/4	702	1/4	1,297	1/4	1,880	1/4	2,351	1/4		1/4		1/4		1/4		1/4	
1/2	192	1/2	714	1/2	1,310	1/2	1,892	1/2	2,358	1/2		1/2		1/2		1/2		1/2	
3/4	201	3/4	726	3/4	1,322	3/4	1,903	3/4	2,366	3/4		3/4		3/4		3/4		3/4	
7	211	7	738	7	1,335	7	1,915	7	2,373	7		7		7		7		7	
1/4	220	1/4	750	1/4	1,347	1/4	1,926	1/4	2,379	1/4		1/4		1/4		1/4		1/4	
1/2	230	1/2	762	1/2	1,360	1/2	1,937	1/2	2,385	1/2		1/2		1/2		1/2		1/2	
3/4	239	3/4	774	3/4	1,372	3/4	1,948	3/4	2,392	3/4		3/4		3/4		3/4		3/4	
8	249	8	786	8	1,385	8	1,959	8	2,398	8		8		8		8		8	
1/4	259	1/4	798	1/4	1,397	1/4	1,970	1/4	2,403	1/4		1/4		1/4		1/4		1/4	
1/2	269	1/2	810	1/2	1,410	1/2	1,981	1/2	2,408	1/2		1/2		1/2		1/2		1/2	
3/4	279	3/4	823	3/4	1,422	3/4	1,992	3/4	2,413	3/4		3/4		3/4		3/4		3/4	
9	289	9	835	9	1,435	9	2,003	9	2,418	9		9		9		9		9	
1/4	299	1/4	847	1/4	1,447	1/4	2,014	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	309	1/2	859	1/2	1,460	1/2	2,025	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	319	3/4	872	3/4	1,472	3/4	2,036	3/4		3/4		3/4		3/4		3/4		3/4	
10	330	10	884	10	1,484	10	2,046	10		10		10		10		10		10	
1/4	340	1/4	896	1/4	1,497	1/4	2,057	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	351	1/2	909	1/2	1,509	1/2	2,067	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	361	3/4	921	3/4	1,522	3/4	2,078	3/4		3/4		3/4		3/4		3/4		3/4	
11	372	11	934	11	1,534	11	2,088	11		11		11		11		11		11	
1/4	382	1/4	946	1/4	1,546	1/4	2,099	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	393	1/2	958	1/2	1,559	1/2	2,109	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	404	3/4	971	3/4	1,571	3/4	2,119	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.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT "MMC" VALVE

STRAPPED: 10/13/2021 JS
COMPUTED: 10/13/2021 CL
PRINTED: 10/13/2021 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2021

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 29149"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

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	101	0	258	0	414	0	515	0		0		0		0		0	
1/4	1	1/4	104	1/4	261	1/4	417	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1	1/2	107	1/2	264	1/2	420	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2	3/4	110	3/4	268	3/4	423	3/4		3/4		3/4		3/4		3/4		3/4	
1	3	1	113	1	271	1	426	1	1	1	1	1	1	1	1	1	1	1	1
1/4	4	1/4	116	1/4	275	1/4	429	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	5	1/2	119	1/2	278	1/2	432	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	6	3/4	122	3/4	281	3/4	434	3/4		3/4		3/4		3/4		3/4		3/4	
2	7	2	125	2	285	2	437	2	2	2	2	2	2	2	2	2	2	2	2
1/4	9	1/4	128	1/4	288	1/4	440	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	10	1/2	131	1/2	292	1/2	443	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	12	3/4	134	3/4	295	3/4	445	3/4		3/4		3/4		3/4		3/4		3/4	
3	13	3	138	3	298	3	448	3	3	3	3	3	3	3	3	3	3	3	3
1/4	15	1/4	141	1/4	302	1/4	451	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	17	1/2	144	1/2	305	1/2	453	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	19	3/4	147	3/4	309	3/4	456	3/4		3/4		3/4		3/4		3/4		3/4	
4	21	4	150	4	312	4	459	4	4	4	4	4	4	4	4	4	4	4	4
1/4	22	1/4	154	1/4	315	1/4	461	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	24	1/2	157	1/2	319	1/2	464	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	26	3/4	160	3/4	322	3/4	466	3/4		3/4		3/4		3/4		3/4		3/4	
5	28	5	163	5	325	5	469	5	5	5	5	5	5	5	5	5	5	5	5
1/4	31	1/4	167	1/4	329	1/4	471	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	33	1/2	170	1/2	332	1/2	473	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	35	3/4	173	3/4	335	3/4	476	3/4		3/4		3/4		3/4		3/4		3/4	
6	37	6	176	6	339	6	478	6	6	6	6	6	6	6	6	6	6	6	6
1/4	39	1/4	180	1/4	342	1/4	480	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	42	1/2	183	1/2	345	1/2	482	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	44	3/4	186	3/4	349	3/4	484	3/4		3/4		3/4		3/4		3/4		3/4	
7	47	7	190	7	352	7	487	7	7	7	7	7	7	7	7	7	7	7	7
1/4	49	1/4	193	1/4	355	1/4	489	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	51	1/2	196	1/2	358	1/2	491	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	54	3/4	200	3/4	362	3/4	493	3/4		3/4		3/4		3/4		3/4		3/4	
8	56	8	203	8	365	8	495	8	8	8	8	8	8	8	8	8	8	8	8
1/4	59	1/4	207	1/4	368	1/4	496	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	62	1/2	210	1/2	371	1/2	498	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	64	3/4	213	3/4	374	3/4	500	3/4		3/4		3/4		3/4		3/4		3/4	
9	67	9	217	9	378	9	502	9	9	9	9	9	9	9	9	9	9	9	9
1/4	70	1/4	220	1/4	381	1/4	503	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	72	1/2	223	1/2	384	1/2	505	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	75	3/4	227	3/4	387	3/4	506	3/4		3/4		3/4		3/4		3/4		3/4	
10	78	10	230	10	390	10	508	10	10	10	10	10	10	10	10	10	10	10	10
1/4	81	1/4	234	1/4	393	1/4	509	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	83	1/2	237	1/2	396	1/2	510	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	86	3/4	240	3/4	399	3/4	511	3/4		3/4		3/4		3/4		3/4		3/4	
11	89	11	244	11	402	11	512	11	11	11	11	11	11	11	11	11	11	11	11
1/4	92	1/4	247	1/4	405	1/4	513	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	95	1/2	251	1/2	408	1/2	514	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	98	3/4	254	3/4	411	3/4	514	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.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES

STRAPPED: 10/13/2021 JS
COMPUTED: 10/13/2021 CL
PRINTED: 10/13/2021 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2021

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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