



# BARGE "KIRBY 29167"

ULLAGE "HERMETIC"  
FORMERLY "SMI 30050"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 235'-09"

September 12, 2023

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 29167"

## 1 PORT ULLAGE TABLE "HERMETIC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30050"

GAUGE HEIGHT 17'-03 1/2"

N	0 FT.	N	1 FT.	N	2 FT.	N	3 FT.	N	4 FT.	N	5 FT.	N	6 FT.	N	7 FT.	N	8 FT.	N	9 FT.
0	0	0	0	0	0	0	4,709.37	0	4,352.06	0	3,993.50	0	3,634.87	0	3,276.24	0	2,917.60		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,701.96	1/4	4,344.61	1/4	3,986.02	1/4	3,627.40	1/4	3,268.77	1/4	2,910.12		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,694.55	1/2	4,337.16	1/2	3,978.55	1/2	3,619.93	1/2	3,261.30	1/2	2,902.65		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,022.90	3/4	4,687.14	3/4	4,329.70	3/4	3,971.08	3/4	3,612.45	3/4	3,253.83	3/4	2,895.17
1	1	1	1	1	1	1	5,018.42	1	4,679.73	1	4,322.23	1	3,963.61	1	3,604.98	1	3,246.36	1	2,887.70
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,013.95	1/4	4,672.32	1/4	4,314.76	1/4	3,956.14	1/4	3,597.51	1/4	3,238.88	1/4	2,880.22
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,009.47	1/2	4,664.91	1/2	4,307.29	1/2	3,948.67	1/2	3,590.04	1/2	3,231.41	1/2	2,872.74
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,003.92	3/4	4,657.47	3/4	4,299.82	3/4	3,941.20	3/4	3,582.57	3/4	3,223.94	3/4	2,865.27
2	2	2	2	2	2	2	4,998.38	2	4,650.03	2	4,292.35	2	3,933.72	2	3,575.10	2	3,216.47	2	2,857.79
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,992.83	1/4	4,642.59	1/4	4,284.88	1/4	3,926.25	1/4	3,567.63	1/4	3,209.00	1/4	2,850.32
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,987.29	1/2	4,635.15	1/2	4,277.41	1/2	3,918.78	1/2	3,560.15	1/2	3,201.53	1/2	2,842.84
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,980.68	3/4	4,627.70	3/4	4,269.94	3/4	3,911.31	3/4	3,552.68	3/4	3,194.06	3/4	2,835.37
3	3	3	3	3	3	3	4,974.06	3	4,620.25	3	4,262.47	3	3,903.84	3	3,545.21	3	3,186.58	3	2,827.89
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,967.45	1/4	4,612.80	1/4	4,254.99	1/4	3,896.37	1/4	3,537.74	1/4	3,179.11	1/4	2,820.42
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,960.84	1/2	4,605.35	1/2	4,247.52	1/2	3,888.90	1/2	3,530.27	1/2	3,171.64	1/2	2,812.94
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,953.56	3/4	4,597.90	3/4	4,240.05	3/4	3,881.42	3/4	3,522.80	3/4	3,164.17	3/4	2,805.47
4	4	4	4	4	4	4	4,946.28	4	4,590.45	4	4,232.58	4	3,873.95	4	3,515.33	4	3,156.70	4	2,797.99
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,939.00	1/4	4,583.00	1/4	4,225.11	1/4	3,866.48	1/4	3,507.85	1/4	3,149.23	1/4	2,790.52
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,931.72	1/2	4,575.55	1/2	4,217.64	1/2	3,859.01	1/2	3,500.38	1/2	3,141.76	1/2	2,783.04
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,924.31	3/4	4,568.10	3/4	4,210.17	3/4	3,851.54	3/4	3,492.91	3/4	3,134.28	3/4	2,775.56
5	5	5	5	5	5	5	4,916.89	5	4,560.65	5	4,202.69	5	3,844.07	5	3,485.44	5	3,126.81	5	2,768.09
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,909.48	1/4	4,553.20	1/4	4,195.22	1/4	3,836.60	1/4	3,477.97	1/4	3,119.34	1/4	2,760.61
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,902.06	1/2	4,545.75	1/2	4,187.75	1/2	3,829.12	1/2	3,470.50	1/2	3,111.87	1/2	2,753.14
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,894.65	3/4	4,538.30	3/4	4,180.28	3/4	3,821.65	3/4	3,463.03	3/4	3,104.40	3/4	2,745.66
6	6	6	6	6	6	6	4,887.24	6	4,530.85	6	4,172.81	6	3,814.18	6	3,455.55	6	3,096.93	6	2,738.19
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,879.82	1/4	4,523.40	1/4	4,165.34	1/4	3,806.71	1/4	3,448.08	1/4	3,089.46	1/4	2,730.71
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,872.41	1/2	4,515.95	1/2	4,157.87	1/2	3,799.24	1/2	3,440.61	1/2	3,081.98	1/2	2,723.24
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,864.99	3/4	4,508.51	3/4	4,150.39	3/4	3,791.77	3/4	3,433.14	3/4	3,074.51	3/4	2,715.76
7	7	7	7	7	7	7	4,857.58	7	4,501.06	7	4,142.92	7	3,784.30	7	3,425.67	7	3,067.04	7	2,708.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,850.17	1/4	4,493.61	1/4	4,135.45	1/4	3,776.82	1/4	3,418.20	1/4	3,059.57	1/4	2,700.81
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,842.75	1/2	4,486.16	1/2	4,127.98	1/2	3,769.35	1/2	3,410.73	1/2	3,052.10	1/2	2,693.34
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,835.34	3/4	4,478.71	3/4	4,120.51	3/4	3,761.88	3/4	3,403.25	3/4	3,044.63	3/4	2,685.86
8	8	8	8	8	8	8	4,827.93	8	4,471.26	8	4,113.04	8	3,754.41	8	3,395.78	8	3,037.16	8	2,678.38
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,820.52	1/4	4,463.81	1/4	4,105.57	1/4	3,746.94	1/4	3,388.31	1/4	3,029.68	1/4	2,670.91
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,813.11	1/2	4,456.36	1/2	4,098.09	1/2	3,739.47	1/2	3,380.84	1/2	3,022.21	1/2	2,663.43
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,805.70	3/4	4,448.91	3/4	4,090.62	3/4	3,732.00	3/4	3,373.37	3/4	3,014.74	3/4	2,655.96
9	9	9	9	9	9	9	4,798.29	9	4,441.46	9	4,083.15	9	3,724.52	9	3,365.90	9	3,007.27	9	2,648.48
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,790.88	1/4	4,434.01	1/4	4,075.68	1/4	3,717.05	1/4	3,358.43	1/4	2,999.80	1/4	2,641.01
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,783.47	1/2	4,426.56	1/2	4,068.21	1/2	3,709.58	1/2	3,350.95	1/2	2,992.33	1/2	2,633.53
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,776.06	3/4	4,419.11	3/4	4,060.74	3/4	3,702.11	3/4	3,343.48	3/4	2,984.86	3/4	2,626.06
10	10	10	10	10	10	10	4,768.65	10	4,411.66	10	4,053.27	10	3,694.64	10	3,336.01	10	2,977.38	10	2,618.58
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,761.24	1/4	4,404.21	1/4	4,045.80	1/4	3,687.17	1/4	3,328.54	1/4	2,969.91	1/4	2,611.11
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,753.83	1/2	4,396.76	1/2	4,038.32	1/2	3,679.70	1/2	3,321.07	1/2	2,962.44	1/2	2,603.63
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,746.42	3/4	4,389.31	3/4	4,030.85	3/4	3,672.23	3/4	3,313.60	3/4	2,954.97	3/4	2,596.16
11	11	11	11	11	11	11	4,739.01	11	4,381.86	11	4,023.38	11	3,664.75	11	3,306.13	11	2,947.50	11	2,588.68
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,731.60	1/4	4,374.41	1/4	4,015.91	1/4	3,657.28	1/4	3,298.66	1/4	2,940.03	1/4	2,581.20
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,724.19	1/2	4,366.96	1/2	4,008.44	1/2	3,649.81	1/2	3,291.18	1/2	2,932.56	1/2	2,573.73
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,716.78	3/4	4,359.51	3/4	4,000.97	3/4	3,642.34	3/4	3,283.71	3/4	2,925.08	3/4	2,566.25

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" GAUGE.

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

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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# BARGE "KIRBY 29167"

## 1 PORT ULLAGE TABLE "HERMETIC"

CONTAINS 1000 BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30050"

GAUGE HEIGHT 17'-03 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,558.78	0	2,199.96	0	1,841.14	0	1,482.32	0	1,123.55	0	766.87	0	410.02	0	90.34	0		0	
1/4	2,551.30	1/4	2,192.48	1/4	1,833.66	1/4	1,474.85	1/4	1,116.09	1/4	759.41	1/4	402.84	1/4	84.21	1/4		1/4	
1/2	2,543.83	1/2	2,185.01	1/2	1,826.19	1/2	1,467.37	1/2	1,108.64	1/2	751.94	1/2	395.65	1/2	78.08	1/2		1/2	
3/4	2,536.35	3/4	2,177.53	3/4	1,818.71	3/4	1,459.89	3/4	1,101.19	3/4	744.47	3/4	388.55	3/4	72.04	3/4		3/4	
1	2,528.88	1	2,170.06	1	1,811.24	1	1,452.42	1	1,093.75	1	736.99	1	381.45	1	66.00	1		1	
1/4	2,521.40	1/4	2,162.58	1/4	1,803.76	1/4	1,444.94	1/4	1,086.30	1/4	729.52	1/4	374.35	1/4	59.95	1/4		1/4	
1/2	2,513.93	1/2	2,155.11	1/2	1,796.29	1/2	1,437.47	1/2	1,078.86	1/2	722.04	1/2	367.24	1/2	53.91	1/2		1/2	
3/4	2,506.45	3/4	2,147.63	3/4	1,788.81	3/4	1,429.99	3/4	1,071.42	3/4	714.57	3/4	360.23	3/4	48.66	3/4		3/4	
2	2,498.97	2	2,140.16	2	1,781.34	2	1,422.52	2	1,063.99	2	707.09	2	353.22	2	43.40	2		2	
1/4	2,491.50	1/4	2,132.68	1/4	1,773.86	1/4	1,415.04	1/4	1,056.55	1/4	699.62	1/4	346.21	1/4	38.15	1/4		1/4	
1/2	2,484.02	1/2	2,125.20	1/2	1,766.39	1/2	1,407.57	1/2	1,049.11	1/2	692.14	1/2	339.19	1/2	32.89	1/2		1/2	
3/4	2,476.55	3/4	2,117.73	3/4	1,758.91	3/4	1,400.09	3/4	1,041.68	3/4	684.67	3/4	332.27	3/4	29.36	3/4		3/4	
3	2,469.07	3	2,110.25	3	1,751.43	3	1,392.62	3	1,034.25	3	677.19	3	325.35	3	25.83	3		3	
1/4	2,461.60	1/4	2,102.78	1/4	1,743.96	1/4	1,385.14	1/4	1,026.82	1/4	669.72	1/4	318.42	1/4	22.30	1/4		1/4	
1/2	2,454.12	1/2	2,095.30	1/2	1,736.48	1/2	1,377.66	1/2	1,019.39	1/2	662.24	1/2	311.50	1/2	18.77	1/2		1/2	
3/4	2,446.65	3/4	2,087.83	3/4	1,729.01	3/4	1,370.19	3/4	1,011.96	3/4	654.77	3/4	304.66	3/4		3/4		3/4	
4	2,439.17	4	2,080.35	4	1,721.53	4	1,362.71	4	1,004.53	4	647.29	4	297.82	4		4		4	
1/4	2,431.70	1/4	2,072.88	1/4	1,714.06	1/4	1,355.24	1/4	997.11	1/4	639.82	1/4	290.99	1/4		1/4		1/4	
1/2	2,424.22	1/2	2,065.40	1/2	1,706.58	1/2	1,347.76	1/2	989.68	1/2	632.34	1/2	284.15	1/2		1/2		1/2	
3/4	2,416.75	3/4	2,057.93	3/4	1,699.11	3/4	1,340.29	3/4	982.26	3/4	624.87	3/4	277.40	3/4		3/4		3/4	
5	2,409.27	5	2,050.45	5	1,691.63	5	1,332.81	5	974.83	5	617.39	5	270.66	5		5		5	
1/4	2,401.79	1/4	2,042.98	1/4	1,684.16	1/4	1,325.34	1/4	967.41	1/4	609.92	1/4	263.91	1/4		1/4		1/4	
1/2	2,394.32	1/2	2,035.50	1/2	1,676.68	1/2	1,317.86	1/2	959.98	1/2	602.44	1/2	257.16	1/2		1/2		1/2	
3/4	2,386.84	3/4	2,028.02	3/4	1,669.21	3/4	1,310.39	3/4	952.56	3/4	594.97	3/4	250.50	3/4		3/4		3/4	
6	2,379.37	6	2,020.55	6	1,661.73	6	1,302.91	6	945.14	6	587.49	6	243.84	6		6		6	
1/4	2,371.89	1/4	2,013.07	1/4	1,654.25	1/4	1,295.44	1/4	937.71	1/4	580.02	1/4	237.18	1/4		1/4		1/4	
1/2	2,364.42	1/2	2,005.60	1/2	1,646.78	1/2	1,287.96	1/2	930.29	1/2	572.54	1/2	230.52	1/2		1/2		1/2	
3/4	2,356.94	3/4	1,998.12	3/4	1,639.30	3/4	1,280.48	3/4	922.86	3/4	565.06	3/4	223.95	3/4		3/4		3/4	
7	2,349.47	7	1,990.65	7	1,631.83	7	1,273.01	7	915.44	7	557.59	7	217.38	7		7		7	
1/4	2,341.99	1/4	1,983.17	1/4	1,624.35	1/4	1,265.53	1/4	908.01	1/4	550.11	1/4	210.80	1/4		1/4		1/4	
1/2	2,334.52	1/2	1,975.70	1/2	1,616.88	1/2	1,258.06	1/2	900.59	1/2	542.64	1/2	204.23	1/2		1/2		1/2	
3/4	2,327.04	3/4	1,968.22	3/4	1,609.40	3/4	1,250.58	3/4	893.16	3/4	535.16	3/4	197.75	3/4		3/4		3/4	
8	2,319.57	8	1,960.75	8	1,601.93	8	1,243.11	8	885.74	8	527.69	8	191.26	8		8		8	
1/4	2,312.09	1/4	1,953.27	1/4	1,594.45	1/4	1,235.63	1/4	878.31	1/4	520.21	1/4	184.78	1/4		1/4		1/4	
1/2	2,304.61	1/2	1,945.80	1/2	1,586.98	1/2	1,228.16	1/2	870.89	1/2	512.74	1/2	178.30	1/2		1/2		1/2	
3/4	2,297.14	3/4	1,938.32	3/4	1,579.50	3/4	1,220.68	3/4	863.47	3/4	505.30	3/4	171.90	3/4		3/4		3/4	
9	2,289.66	9	1,930.84	9	1,572.03	9	1,213.21	9	856.04	9	497.85	9	165.51	9		9		9	
1/4	2,282.19	1/4	1,923.37	1/4	1,564.55	1/4	1,205.73	1/4	848.62	1/4	490.41	1/4	159.11	1/4		1/4		1/4	
1/2	2,274.71	1/2	1,915.89	1/2	1,557.07	1/2	1,198.26	1/2	841.19	1/2	482.97	1/2	152.71	1/2		1/2		1/2	
3/4	2,267.24	3/4	1,908.42	3/4	1,549.60	3/4	1,190.78	3/4	833.77	3/4	475.61	3/4	146.41	3/4		3/4		3/4	
10	2,259.76	10	1,900.94	10	1,542.12	10	1,183.30	10	826.34	10	468.24	10	140.10	10		10		10	
1/4	2,252.29	1/4	1,893.47	1/4	1,534.65	1/4	1,175.83	1/4	818.92	1/4	460.88	1/4	133.79	1/4		1/4		1/4	
1/2	2,244.81	1/2	1,885.99	1/2	1,527.17	1/2	1,168.35	1/2	811.49	1/2	453.51	1/2	127.48	1/2		1/2		1/2	
3/4	2,237.34	3/4	1,878.52	3/4	1,519.70	3/4	1,160.88	3/4	804.07	3/4	446.23	3/4	121.27	3/4		3/4		3/4	
11	2,229.86	11	1,871.04	11	1,512.22	11	1,153.40	11	796.65	11	438.96	11	115.05	11		11		11	
1/4	2,222.39	1/4	1,863.57	1/4	1,504.75	1/4	1,145.93	1/4	789.22	1/4	431.68	1/4	108.83	1/4		1/4		1/4	
1/2	2,214.91	1/2	1,856.09	1/2	1,497.27	1/2	1,138.45	1/2	781.80	1/2	424.40	1/2	102.61	1/2		1/2		1/2	
3/4	2,207.43	3/4	1,848.62	3/4	1,489.80	3/4	1,131.00	3/4	774.33	3/4	417.21	3/4	96.48	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/26/2013 SW  
RECALCULATED: 09/12/2023 CL  
PRINTED: 09/12/2023 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2023

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
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<http://www.pmacorp.net>



# BARGE "KIRBY 29167"

## 1 STBD

### ULLAGE TABLE

### "HERMETIC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30050"

GAUGE HEIGHT 17'-03 3/4"

N	0 FT.	N	1 FT.	N	2 FT.	N	3 FT.	N	4 FT.	N	5 FT.	N	6 FT.	N	7 FT.	N	8 FT.	N	9 FT.	
0	0	0	0	0	0	0	4,716.10	0	4,359.01	0	4,000.66	0	3,642.21	0	3,283.75	0	2,925.30			
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,708.70	1/4	4,351.57	1/4	3,993.19	1/4	3,634.74	1/4	3,276.28	1/4	2,917.83			
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,701.29	1/2	4,344.12	1/2	3,985.73	1/2	3,627.27	1/2	3,268.82	1/2	2,910.37			
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,693.88	3/4	4,336.67	3/4	3,978.26	3/4	3,619.80	3/4	3,261.35	3/4	2,902.90			
1	1	1	1	1	1	5,022.07	1	4,686.48	1	4,329.22	1	3,970.79	1	3,612.34	1	3,253.88	1	2,895.43		
1/4	1/4	1/4	1/4	1/4	1/4	5,017.60	1/4	4,679.07	1/4	4,321.76	1/4	3,963.32	1/4	3,604.87	1/4	3,246.41	1/4	2,887.96		
1/2	1/2	1/2	1/2	1/2	1/2	5,013.12	1/2	4,671.66	1/2	4,314.30	1/2	3,955.85	1/2	3,597.40	1/2	3,238.95	1/2	2,880.48		
3/4	3/4	3/4	3/4	3/4	3/4	5,008.65	3/4	4,664.26	3/4	4,306.84	3/4	3,948.39	3/4	3,589.93	3/4	3,231.48	3/4	2,873.01		
2	2	2	2	2	2	5,003.10	2	4,656.82	2	4,299.37	2	3,940.92	2	3,582.46	2	3,224.01	2	2,865.54		
1/4	1/4	1/4	1/4	1/4	1/4	4,997.56	1/4	4,649.39	1/4	4,291.91	1/4	3,933.45	1/4	3,575.00	1/4	3,216.54	1/4	2,858.07		
1/2	1/2	1/2	1/2	1/2	1/2	4,992.02	1/2	4,641.95	1/2	4,284.44	1/2	3,925.98	1/2	3,567.53	1/2	3,209.07	1/2	2,850.60		
3/4	3/4	3/4	3/4	3/4	3/4	4,986.48	3/4	4,634.52	3/4	4,276.97	3/4	3,918.52	3/4	3,560.06	3/4	3,201.61	3/4	2,843.12		
3	3	3	3	3	3	4,979.87	3	4,627.07	3	4,269.50	3	3,911.05	3	3,552.59	3	3,194.14	3	2,835.65		
1/4	1/4	1/4	1/4	1/4	1/4	4,973.26	1/4	4,619.63	1/4	4,262.03	1/4	3,903.58	1/4	3,545.13	1/4	3,186.67	1/4	2,828.18		
1/2	1/2	1/2	1/2	1/2	1/2	4,966.65	1/2	4,612.18	1/2	4,254.57	1/2	3,896.11	1/2	3,537.66	1/2	3,179.20	1/2	2,820.71		
3/4	3/4	3/4	3/4	3/4	3/4	4,960.04	3/4	4,604.73	3/4	4,247.10	3/4	3,888.64	3/4	3,530.19	3/4	3,171.74	3/4	2,813.24		
4	4	4	4	4	4	4,952.76	4	4,597.29	4	4,239.63	4	3,881.18	4	3,522.72	4	3,164.27	4	2,805.77		
1/4	1/4	1/4	1/4	1/4	1/4	4,945.49	1/4	4,589.84	1/4	4,232.16	1/4	3,873.71	1/4	3,515.25	1/4	3,156.80	1/4	2,798.29		
1/2	1/2	1/2	1/2	1/2	1/2	4,938.21	1/2	4,582.40	1/2	4,224.70	1/2	3,866.24	1/2	3,507.79	1/2	3,149.33	1/2	2,790.82		
3/4	3/4	3/4	3/4	3/4	3/4	4,930.94	3/4	4,574.95	3/4	4,217.23	3/4	3,858.77	3/4	3,500.32	3/4	3,141.86	3/4	2,783.35		
5	5	5	5	5	5	4,923.52	5	4,567.50	5	4,209.76	5	3,851.31	5	3,492.85	5	3,134.40	5	2,775.88		
1/4	1/4	1/4	1/4	1/4	1/4	4,916.11	1/4	4,560.06	1/4	4,202.29	1/4	3,843.84	1/4	3,485.38	1/4	3,126.93	1/4	2,768.41		
1/2	1/2	1/2	1/2	1/2	1/2	4,908.70	1/2	4,552.61	1/2	4,194.82	1/2	3,836.37	1/2	3,477.92	1/2	3,119.46	1/2	2,760.93		
3/4	3/4	3/4	3/4	3/4	3/4	4,901.29	3/4	4,545.16	3/4	4,187.36	3/4	3,828.90	3/4	3,470.45	3/4	3,111.99	3/4	2,753.46		
6	6	6	6	6	6	4,893.88	6	4,537.72	6	4,179.89	6	3,821.43	6	3,462.98	6	3,104.53	6	2,745.99		
1/4	1/4	1/4	1/4	1/4	1/4	4,886.47	1/4	4,530.27	1/4	4,172.42	1/4	3,813.97	1/4	3,455.51	1/4	3,097.06	1/4	2,738.52		
1/2	1/2	1/2	1/2	1/2	1/2	4,879.06	1/2	4,522.83	1/2	4,164.95	1/2	3,806.50	1/2	3,448.04	1/2	3,089.59	1/2	2,731.05		
3/4	3/4	3/4	3/4	3/4	3/4	4,871.65	3/4	4,515.38	3/4	4,157.49	3/4	3,799.03	3/4	3,440.58	3/4	3,082.12	3/4	2,723.58		
7	7	7	7	7	7	4,864.24	7	4,507.93	7	4,150.02	7	3,791.56	7	3,433.11	7	3,074.65	7	2,716.10		
1/4	1/4	1/4	1/4	1/4	1/4	4,856.83	1/4	4,500.49	1/4	4,142.55	1/4	3,784.10	1/4	3,425.64	1/4	3,067.19	1/4	2,708.63		
1/2	1/2	1/2	1/2	1/2	1/2	4,849.42	1/2	4,493.04	1/2	4,135.08	1/2	3,776.63	1/2	3,418.17	1/2	3,059.72	1/2	2,701.16		
3/4	3/4	3/4	3/4	3/4	3/4	4,842.01	3/4	4,485.60	3/4	4,127.61	3/4	3,769.16	3/4	3,410.71	3/4	3,052.25	3/4	2,693.69		
8	8	8	8	8	8	4,834.60	8	4,478.15	8	4,120.15	8	3,761.69	8	3,403.24	8	3,044.78	8	2,686.22		
1/4	1/4	1/4	1/4	1/4	1/4	4,827.20	1/4	4,470.70	1/4	4,112.68	1/4	3,754.22	1/4	3,395.77	1/4	3,037.32	1/4	2,678.75		
1/2	1/2	1/2	1/2	1/2	1/2	4,819.79	1/2	4,463.26	1/2	4,105.21	1/2	3,746.76	1/2	3,388.30	1/2	3,029.85	1/2	2,671.27		
3/4	3/4	3/4	3/4	3/4	3/4	4,812.38	3/4	4,455.81	3/4	4,097.74	3/4	3,739.29	3/4	3,380.83	3/4	3,022.38	3/4	2,663.80		
9	9	9	9	9	9	4,804.98	9	4,448.37	9	4,090.28	9	3,731.82	9	3,373.37	9	3,014.91	9	2,656.33		
1/4	1/4	1/4	1/4	1/4	1/4	4,797.57	1/4	4,440.92	1/4	4,082.81	1/4	3,724.35	1/4	3,365.90	1/4	3,007.44	1/4	2,648.86		
1/2	1/2	1/2	1/2	1/2	1/2	4,790.16	1/2	4,433.47	1/2	4,075.34	1/2	3,716.89	1/2	3,358.43	1/2	2,999.98	1/2	2,641.39		
3/4	3/4	3/4	3/4	3/4	3/4	4,782.76	3/4	4,426.03	3/4	4,067.87	3/4	3,709.42	3/4	3,350.96	3/4	2,992.51	3/4	2,633.91		
10	10	10	10	10	10	4,775.35	10	4,418.58	10	4,060.40	10	3,701.95	10	3,343.50	10	2,985.04	10	2,626.44		
1/4	1/4	1/4	1/4	1/4	1/4	4,767.94	1/4	4,411.13	1/4	4,052.94	1/4	3,694.48	1/4	3,336.03	1/4	2,977.57	1/4	2,618.97		
1/2	1/2	1/2	1/2	1/2	1/2	4,760.54	1/2	4,403.69	1/2	4,045.47	1/2	3,687.01	1/2	3,328.56	1/2	2,970.11	1/2	2,611.50		
3/4	3/4	3/4	3/4	3/4	3/4	4,753.13	3/4	4,396.24	3/4	4,038.00	3/4	3,679.55	3/4	3,321.09	3/4	2,962.64	3/4	2,604.03		
11	11	11	11	11	11	4,745.73	11	4,388.80	11	4,030.53	11	3,672.08	11	3,313.62	11	2,955.17	11	2,596.56		
1/4	1/4	1/4	1/4	1/4	1/4	4,738.32	1/4	4,381.35	1/4	4,023.06	1/4	3,664.61	1/4	3,306.16	1/4	2,947.70	1/4	2,589.08		
1/2	1/2	1/2	1/2	1/2	1/2	4,730.91	1/2	4,373.90	1/2	4,015.60	1/2	3,657.14	1/2	3,298.69	1/2	2,940.23	1/2	2,581.61		
3/4	3/4	3/4	3/4	3/4	3/4	4,723.51	3/4	4,366.46	3/4	4,008.13	3/4	3,649.67	3/4	3,291.22	3/4	2,932.77	3/4	2,574.14		

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" GAUGE.

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

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 29167"

1 STBD

ULLAGE TABLE  
"HERMETIC"

CONTAINS 111 BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30050"

GAUGE HEIGHT 17'-03 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,566.67	0	2,208.02	0	1,849.38	0	1,490.73	0	1,132.08	0	773.92	0	417.01	0	96.43	0		0	
1/4	2,559.20	1/4	2,200.55	1/4	1,841.90	1/4	1,483.26	1/4	1,124.61	1/4	766.46	1/4	409.83	1/4	90.30	1/4		1/4	
1/2	2,551.72	1/2	2,193.08	1/2	1,834.43	1/2	1,475.79	1/2	1,117.14	1/2	758.99	1/2	402.64	1/2	84.17	1/2		1/2	
3/4	2,544.25	3/4	2,185.61	3/4	1,826.96	3/4	1,468.31	3/4	1,109.67	3/4	751.52	3/4	395.46	3/4	78.04	3/4		3/4	
1	2,536.78	1	2,178.13	1	1,819.49	1	1,460.84	1	1,102.20	1	744.05	1	388.36	1	72.00	1		1	
1/4	2,529.31	1/4	2,170.66	1/4	1,812.02	1/4	1,453.37	1/4	1,094.72	1/4	736.58	1/4	381.26	1/4	65.96	1/4		1/4	
1/2	2,521.84	1/2	2,163.19	1/2	1,804.54	1/2	1,445.90	1/2	1,087.25	1/2	729.11	1/2	374.17	1/2	59.92	1/2		1/2	
3/4	2,514.37	3/4	2,155.72	3/4	1,797.07	3/4	1,438.43	3/4	1,079.78	3/4	721.63	3/4	367.07	3/4	53.88	3/4		3/4	
2	2,506.89	2	2,148.25	2	1,789.60	2	1,430.95	2	1,072.31	2	714.16	2	360.06	2	48.63	2		2	
1/4	2,499.42	1/4	2,140.78	1/4	1,782.13	1/4	1,423.48	1/4	1,064.85	1/4	706.69	1/4	353.05	1/4	43.38	1/4		1/4	
1/2	2,491.95	1/2	2,133.30	1/2	1,774.66	1/2	1,416.01	1/2	1,057.38	1/2	699.22	1/2	346.04	1/2	38.13	1/2		1/2	
3/4	2,484.48	3/4	2,125.83	3/4	1,767.19	3/4	1,408.54	3/4	1,049.91	3/4	691.75	3/4	339.03	3/4	32.88	3/4		3/4	
3	2,477.01	3	2,118.36	3	1,759.71	3	1,401.07	3	1,042.45	3	684.28	3	332.11	3	29.35	3		3	
1/4	2,469.53	1/4	2,110.89	1/4	1,752.24	1/4	1,393.60	1/4	1,034.98	1/4	676.81	1/4	325.19	1/4	25.82	1/4		1/4	
1/2	2,462.06	1/2	2,103.42	1/2	1,744.77	1/2	1,386.12	1/2	1,027.52	1/2	669.33	1/2	318.27	1/2	22.29	1/2		1/2	
3/4	2,454.59	3/4	2,095.94	3/4	1,737.30	3/4	1,378.65	3/4	1,020.05	3/4	661.86	3/4	311.35	3/4	18.76	3/4		3/4	
4	2,447.12	4	2,088.47	4	1,729.83	4	1,371.18	4	1,012.59	4	654.39	4	304.51	4		4		4	
1/4	2,439.65	1/4	2,081.00	1/4	1,722.35	1/4	1,363.71	1/4	1,005.13	1/4	646.92	1/4	297.68	1/4		1/4		1/4	
1/2	2,432.18	1/2	2,073.53	1/2	1,714.88	1/2	1,356.24	1/2	997.67	1/2	639.45	1/2	290.85	1/2		1/2		1/2	
3/4	2,424.70	3/4	2,066.06	3/4	1,707.41	3/4	1,348.76	3/4	990.21	3/4	631.98	3/4	284.02	3/4		3/4		3/4	
5	2,417.23	5	2,058.59	5	1,699.94	5	1,341.29	5	982.75	5	624.51	5	277.27	5		5		5	
1/4	2,409.76	1/4	2,051.11	1/4	1,692.47	1/4	1,333.82	1/4	975.30	1/4	617.03	1/4	270.53	1/4		1/4		1/4	
1/2	2,402.29	1/2	2,043.64	1/2	1,685.00	1/2	1,326.35	1/2	967.84	1/2	609.56	1/2	263.78	1/2		1/2		1/2	
3/4	2,394.82	3/4	2,036.17	3/4	1,677.52	3/4	1,318.88	3/4	960.38	3/4	602.09	3/4	257.04	3/4		3/4		3/4	
6	2,387.34	6	2,028.70	6	1,670.05	6	1,311.41	6	952.92	6	594.62	6	250.38	6		6		6	
1/4	2,379.87	1/4	2,021.23	1/4	1,662.58	1/4	1,303.93	1/4	945.46	1/4	587.15	1/4	243.72	1/4		1/4		1/4	
1/2	2,372.40	1/2	2,013.75	1/2	1,655.11	1/2	1,296.46	1/2	938.01	1/2	579.68	1/2	237.07	1/2		1/2		1/2	
3/4	2,364.93	3/4	2,006.28	3/4	1,647.64	3/4	1,288.99	3/4	930.55	3/4	572.20	3/4	230.41	3/4		3/4		3/4	
7	2,357.46	7	1,998.81	7	1,640.16	7	1,281.52	7	923.09	7	564.74	7	223.84	7		7		7	
1/4	2,349.99	1/4	1,991.34	1/4	1,632.69	1/4	1,274.05	1/4	915.63	1/4	557.27	1/4	217.27	1/4		1/4		1/4	
1/2	2,342.51	1/2	1,983.87	1/2	1,625.22	1/2	1,266.57	1/2	908.18	1/2	549.81	1/2	210.70	1/2		1/2		1/2	
3/4	2,335.04	3/4	1,976.40	3/4	1,617.75	3/4	1,259.10	3/4	900.72	3/4	542.34	3/4	204.13	3/4		3/4		3/4	
8	2,327.57	8	1,968.92	8	1,610.28	8	1,251.63	8	893.26	8	534.88	8	197.65	8		8		8	
1/4	2,320.10	1/4	1,961.45	1/4	1,602.81	1/4	1,244.16	1/4	885.80	1/4	527.41	1/4	191.17	1/4		1/4		1/4	
1/2	2,312.63	1/2	1,953.98	1/2	1,595.33	1/2	1,236.69	1/2	878.34	1/2	519.95	1/2	184.69	1/2		1/2		1/2	
3/4	2,305.16	3/4	1,946.51	3/4	1,587.86	3/4	1,229.22	3/4	870.89	3/4	512.48	3/4	178.21	3/4		3/4		3/4	
9	2,297.68	9	1,939.04	9	1,580.39	9	1,221.74	9	863.43	9	505.05	9	171.82	9		9		9	
1/4	2,290.21	1/4	1,931.57	1/4	1,572.92	1/4	1,214.27	1/4	855.97	1/4	497.61	1/4	165.43	1/4		1/4		1/4	
1/2	2,282.74	1/2	1,924.09	1/2	1,565.45	1/2	1,206.80	1/2	848.51	1/2	490.17	1/2	159.03	1/2		1/2		1/2	
3/4	2,275.27	3/4	1,916.62	3/4	1,557.98	3/4	1,199.33	3/4	841.06	3/4	482.74	3/4	152.64	3/4		3/4		3/4	
10	2,267.80	10	1,909.15	10	1,550.50	10	1,191.86	10	833.60	10	475.38	10	146.34	10		10		10	
1/4	2,260.32	1/4	1,901.68	1/4	1,543.03	1/4	1,184.39	1/4	826.14	1/4	468.02	1/4	140.03	1/4		1/4		1/4	
1/2	2,252.85	1/2	1,894.21	1/2	1,535.56	1/2	1,176.91	1/2	818.68	1/2	460.65	1/2	133.73	1/2		1/2		1/2	
3/4	2,245.38	3/4	1,886.73	3/4	1,528.09	3/4	1,169.44	3/4	811.22	3/4	453.29	3/4	127.42	3/4		3/4		3/4	
11	2,237.91	11	1,879.26	11	1,520.62	11	1,161.97	11	803.77	11	446.02	11	121.21	11		11		11	
1/4	2,230.44	1/4	1,871.79	1/4	1,513.14	1/4	1,154.50	1/4	796.31	1/4	438.75	1/4	114.99	1/4		1/4		1/4	
1/2	2,222.97	1/2	1,864.32	1/2	1,505.67	1/2	1,147.03	1/2	788.85	1/2	431.47	1/2	108.77	1/2		1/2		1/2	
3/4	2,215.49	3/4	1,856.85	3/4	1,498.20	3/4	1,139.55	3/4	781.39	3/4	424.20	3/4	102.56	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/26/2013 SW  
RECALCULATED: 09/12/2023 CL  
PRINTED: 09/12/2023 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2023

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "KIRBY 29167"

## 2 PORT ULLAGE TABLE "HERMETIC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30050"

GAUGE HEIGHT 17'-03 1/2"

N	0 FT.	N	1 FT.	N	2 FT.	N	3 FT.	N	4 FT.	N	5 FT.	N	6 FT.	N	7 FT.	N	8 FT.	N	9 FT.
0	0	0	0	0	0	0	4,763.17	0	4,405.69	0	4,046.96	0	3,688.15	0	3,329.35	0	2,970.54		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,755.75	1/4	4,398.23	1/4	4,039.48	1/4	3,680.68	1/4	3,321.87	1/4	2,963.06		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,748.34	1/2	4,390.78	1/2	4,032.00	1/2	3,673.20	1/2	3,314.40	1/2	2,955.58		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,076.85	3/4	4,740.93	3/4	4,383.31	3/4	4,024.53	3/4	3,665.72	3/4	3,306.92	3/4	2,948.10
1	1	1	1	1	1	1	5,072.37	1	4,733.51	1	4,375.84	1	4,017.05	1	3,658.25	1	3,299.44	1	2,940.63
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,067.89	1/4	4,726.10	1/4	4,368.38	1/4	4,009.58	1/4	3,650.77	1/4	3,291.97	1/4	2,933.15
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,063.41	1/2	4,718.69	1/2	4,360.91	1/2	4,002.10	1/2	3,643.30	1/2	3,284.49	1/2	2,925.67
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,057.87	3/4	4,711.24	3/4	4,353.43	3/4	3,994.63	3/4	3,635.82	3/4	3,277.02	3/4	2,918.19
2	2	2	2	2	2	2	5,052.32	2	4,703.80	2	4,345.96	2	3,987.15	2	3,628.35	2	3,269.54	2	2,910.71
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,046.77	1/4	4,696.36	1/4	4,338.48	1/4	3,979.68	1/4	3,620.87	1/4	3,262.07	1/4	2,903.23
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,041.22	1/2	4,688.91	1/2	4,331.01	1/2	3,972.20	1/2	3,613.40	1/2	3,254.59	1/2	2,895.75
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,034.61	3/4	4,681.46	3/4	4,323.53	3/4	3,964.73	3/4	3,605.92	3/4	3,247.12	3/4	2,888.27
3	3	3	3	3	3	3	5,027.99	3	4,674.01	3	4,316.06	3	3,957.25	3	3,598.45	3	3,239.64	3	2,880.79
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,021.38	1/4	4,666.55	1/4	4,308.58	1/4	3,949.78	1/4	3,590.97	1/4	3,232.17	1/4	2,873.31
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,014.76	1/2	4,659.10	1/2	4,301.11	1/2	3,942.30	1/2	3,583.50	1/2	3,224.69	1/2	2,865.83
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,007.48	3/4	4,651.65	3/4	4,293.63	3/4	3,934.83	3/4	3,576.02	3/4	3,217.22	3/4	2,858.36
4	4	4	4	4	4	4	5,000.20	4	4,644.19	4	4,286.16	4	3,927.35	4	3,568.55	4	3,209.74	4	2,850.88
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,992.91	1/4	4,636.74	1/4	4,278.68	1/4	3,919.88	1/4	3,561.07	1/4	3,202.27	1/4	2,843.40
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,985.63	1/2	4,629.29	1/2	4,271.21	1/2	3,912.40	1/2	3,553.60	1/2	3,194.79	1/2	2,835.92
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,978.21	3/4	4,621.83	3/4	4,263.73	3/4	3,904.93	3/4	3,546.12	3/4	3,187.32	3/4	2,828.44
5	5	5	5	5	5	5	4,970.79	5	4,614.38	5	4,256.26	5	3,897.45	5	3,538.65	5	3,179.84	5	2,820.96
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,963.38	1/4	4,606.93	1/4	4,248.78	1/4	3,889.98	1/4	3,531.17	1/4	3,172.37	1/4	2,813.48
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,955.96	1/2	4,599.47	1/2	4,241.31	1/2	3,882.50	1/2	3,523.70	1/2	3,164.89	1/2	2,806.00
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,948.54	3/4	4,592.02	3/4	4,233.83	3/4	3,875.03	3/4	3,516.22	3/4	3,157.42	3/4	2,798.52
6	6	6	6	6	6	6	4,941.12	6	4,584.57	6	4,226.36	6	3,867.55	6	3,508.75	6	3,149.94	6	2,791.04
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,933.71	1/4	4,577.11	1/4	4,218.88	1/4	3,860.08	1/4	3,501.27	1/4	3,142.47	1/4	2,783.56
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,926.29	1/2	4,569.66	1/2	4,211.41	1/2	3,852.60	1/2	3,493.80	1/2	3,134.99	1/2	2,776.09
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,918.87	3/4	4,562.21	3/4	4,203.93	3/4	3,845.13	3/4	3,486.32	3/4	3,127.52	3/4	2,768.61
7	7	7	7	7	7	7	4,911.45	7	4,554.75	7	4,196.46	7	3,837.65	7	3,478.85	7	3,120.04	7	2,761.13
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,904.03	1/4	4,547.30	1/4	4,188.98	1/4	3,830.18	1/4	3,471.37	1/4	3,112.57	1/4	2,753.65
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,896.62	1/2	4,539.85	1/2	4,181.51	1/2	3,822.70	1/2	3,463.90	1/2	3,105.09	1/2	2,746.17
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,889.20	3/4	4,532.39	3/4	4,174.03	3/4	3,815.23	3/4	3,456.42	3/4	3,097.62	3/4	2,738.69
8	8	8	8	8	8	8	4,881.79	8	4,524.94	8	4,166.56	8	3,807.75	8	3,448.95	8	3,090.14	8	2,731.21
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,874.37	1/4	4,517.49	1/4	4,159.08	1/4	3,800.28	1/4	3,441.47	1/4	3,082.67	1/4	2,723.73
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,866.96	1/2	4,510.03	1/2	4,151.61	1/2	3,792.80	1/2	3,434.00	1/2	3,075.19	1/2	2,716.25
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,859.54	3/4	4,502.58	3/4	4,144.13	3/4	3,785.33	3/4	3,426.52	3/4	3,067.72	3/4	2,708.77
9	9	9	9	9	9	9	4,852.13	9	4,495.13	9	4,136.66	9	3,777.85	9	3,419.05	9	3,060.24	9	2,701.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,844.72	1/4	4,487.67	1/4	4,129.18	1/4	3,770.38	1/4	3,411.57	1/4	3,052.77	1/4	2,693.82
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,837.30	1/2	4,480.22	1/2	4,121.71	1/2	3,762.90	1/2	3,404.10	1/2	3,045.29	1/2	2,686.34
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,829.89	3/4	4,472.77	3/4	4,114.23	3/4	3,755.43	3/4	3,396.62	3/4	3,037.82	3/4	2,678.86
10	10	10	10	10	10	10	4,822.48	10	4,465.31	10	4,106.76	10	3,747.95	10	3,389.15	10	3,030.34	10	2,671.38
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,815.06	1/4	4,457.86	1/4	4,099.28	1/4	3,740.48	1/4	3,381.67	1/4	3,022.87	1/4	2,663.90
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,807.65	1/2	4,450.41	1/2	4,091.81	1/2	3,733.00	1/2	3,374.20	1/2	3,015.39	1/2	2,656.42
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,800.24	3/4	4,442.95	3/4	4,084.33	3/4	3,725.53	3/4	3,366.72	3/4	3,007.92	3/4	2,648.94
11	11	11	11	11	11	11	4,792.82	11	4,435.50	11	4,076.86	11	3,718.05	11	3,359.25	11	3,000.44	11	2,641.46
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,785.41	1/4	4,428.05	1/4	4,069.38	1/4	3,710.58	1/4	3,351.77	1/4	2,992.97	1/4	2,633.98
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,777.99	1/2	4,420.59	1/2	4,061.91	1/2	3,703.10	1/2	3,344.30	1/2	2,985.49	1/2	2,626.50
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,770.58	3/4	4,413.14	3/4	4,054.43	3/4	3,695.63	3/4	3,336.82	3/4	2,978.01	3/4	2,619.02

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" GAUGE.

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

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

Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "KIRBY 29167"

## 2 PORT ULLAGE TABLE "HERMETIC"

CONTAINS 111 BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30050"

GAUGE HEIGHT 17'-03 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,611.55	0	2,252.55	0	1,893.55	0	1,534.55	0	1,175.98	0	830.78	0	471.95	0	112.96	0		0	
1/4	2,604.07	1/4	2,245.07	1/4	1,886.07	1/4	1,527.08	1/4	1,168.72	1/4	823.38	1/4	464.47	1/4	105.48	1/4		1/4	
1/2	2,596.59	1/2	2,237.59	1/2	1,878.59	1/2	1,519.60	1/2	1,161.45	1/2	815.98	1/2	456.99	1/2	98.00	1/2		1/2	
3/4	2,589.11	3/4	2,230.11	3/4	1,871.11	3/4	1,512.12	3/4	1,154.25	3/4	808.50	3/4	449.51	3/4	90.52	3/4		3/4	
1	2,581.63	1	2,222.63	1	1,863.64	1	1,504.64	1	1,147.06	1	801.02	1	442.03	1	83.04	1		1	
1/4	2,574.15	1/4	2,215.15	1/4	1,856.16	1/4	1,497.16	1/4	1,139.86	1/4	793.54	1/4	434.55	1/4	75.57	1/4		1/4	
1/2	2,566.67	1/2	2,207.67	1/2	1,848.68	1/2	1,489.68	1/2	1,132.66	1/2	786.06	1/2	427.07	1/2	68.09	1/2		1/2	
3/4	2,559.19	3/4	2,200.19	3/4	1,841.20	3/4	1,482.20	3/4	1,125.48	3/4	778.58	3/4	419.60	3/4	61.31	3/4		3/4	
2	2,551.71	2	2,192.72	2	1,833.72	2	1,474.72	2	1,118.29	2	771.10	2	412.12	2	54.53	2		2	
1/4	2,544.23	1/4	2,185.24	1/4	1,826.24	1/4	1,467.24	1/4	1,111.11	1/4	763.62	1/4	404.64	1/4	47.75	1/4		1/4	
1/2	2,536.75	1/2	2,177.76	1/2	1,818.76	1/2	1,459.76	1/2	1,103.92	1/2	756.15	1/2	397.16	1/2	40.98	1/2		1/2	
3/4	2,529.28	3/4	2,170.28	3/4	1,811.28	3/4	1,452.28	3/4	1,096.74	3/4	748.67	3/4	389.68	3/4	35.83	3/4		3/4	
3	2,521.80	3	2,162.80	3	1,803.80	3	1,444.81	3	1,089.56	3	741.19	3	382.20	3	30.69	3		3	
1/4	2,514.32	1/4	2,155.32	1/4	1,796.32	1/4	1,437.33	1/4	1,082.37	1/4	733.71	1/4	374.72	1/4	25.55	1/4		1/4	
1/2	2,506.84	1/2	2,147.84	1/2	1,788.84	1/2	1,429.85	1/2	1,075.19	1/2	726.23	1/2	367.24	1/2	20.41	1/2		1/2	
3/4	2,499.36	3/4	2,140.36	3/4	1,781.37	3/4	1,422.37	3/4	1,068.01	3/4	718.75	3/4	359.76	3/4		3/4		3/4	
4	2,491.88	4	2,132.88	4	1,773.89	4	1,414.89	4	1,060.84	4	711.27	4	352.28	4		4		4	
1/4	2,484.40	1/4	2,125.40	1/4	1,766.41	1/4	1,407.41	1/4	1,053.66	1/4	703.79	1/4	344.81	1/4		1/4		1/4	
1/2	2,476.92	1/2	2,117.92	1/2	1,758.93	1/2	1,399.93	1/2	1,046.48	1/2	696.31	1/2	337.33	1/2		1/2		1/2	
3/4	2,469.44	3/4	2,110.45	3/4	1,751.45	3/4	1,392.45	3/4	1,039.31	3/4	688.84	3/4	329.85	3/4		3/4		3/4	
5	2,461.96	5	2,102.97	5	1,743.97	5	1,384.97	5	1,032.13	5	681.36	5	322.37	5		5		5	
1/4	2,454.48	1/4	2,095.49	1/4	1,736.49	1/4	1,377.49	1/4	1,024.96	1/4	673.88	1/4	314.89	1/4		1/4		1/4	
1/2	2,447.01	1/2	2,088.01	1/2	1,729.01	1/2	1,370.01	1/2	1,017.78	1/2	666.40	1/2	307.41	1/2		1/2		1/2	
3/4	2,439.53	3/4	2,080.53	3/4	1,721.53	3/4	1,362.54	3/4	1,010.61	3/4	658.92	3/4	299.93	3/4		3/4		3/4	
6	2,432.05	6	2,073.05	6	1,714.05	6	1,355.06	6	1,003.43	6	651.44	6	292.45	6		6		6	
1/4	2,424.57	1/4	2,065.57	1/4	1,706.57	1/4	1,347.58	1/4	996.26	1/4	643.96	1/4	284.97	1/4		1/4		1/4	
1/2	2,417.09	1/2	2,058.09	1/2	1,699.10	1/2	1,340.10	1/2	989.08	1/2	636.48	1/2	277.50	1/2		1/2		1/2	
3/4	2,409.61	3/4	2,050.61	3/4	1,691.62	3/4	1,332.62	3/4	981.91	3/4	629.00	3/4	270.02	3/4		3/4		3/4	
7	2,402.13	7	2,043.13	7	1,684.14	7	1,325.14	7	974.73	7	621.53	7	262.54	7		7		7	
1/4	2,394.65	1/4	2,035.65	1/4	1,676.66	1/4	1,317.66	1/4	967.56	1/4	614.05	1/4	255.06	1/4		1/4		1/4	
1/2	2,387.17	1/2	2,028.18	1/2	1,669.18	1/2	1,310.18	1/2	960.38	1/2	606.57	1/2	247.58	1/2		1/2		1/2	
3/4	2,379.69	3/4	2,020.70	3/4	1,661.70	3/4	1,302.70	3/4	953.21	3/4	599.09	3/4	240.10	3/4		3/4		3/4	
8	2,372.21	8	2,013.22	8	1,654.22	8	1,295.22	8	946.03	8	591.61	8	232.62	8		8		8	
1/4	2,364.74	1/4	2,005.74	1/4	1,646.74	1/4	1,287.74	1/4	938.86	1/4	584.13	1/4	225.14	1/4		1/4		1/4	
1/2	2,357.26	1/2	1,998.26	1/2	1,639.26	1/2	1,280.27	1/2	931.68	1/2	576.65	1/2	217.66	1/2		1/2		1/2	
3/4	2,349.78	3/4	1,990.78	3/4	1,631.78	3/4	1,272.79	3/4	924.51	3/4	569.17	3/4	210.19	3/4		3/4		3/4	
9	2,342.30	9	1,983.30	9	1,624.30	9	1,265.31	9	917.33	9	561.69	9	202.71	9		9		9	
1/4	2,334.82	1/4	1,975.82	1/4	1,616.83	1/4	1,257.83	1/4	910.16	1/4	554.22	1/4	195.23	1/4		1/4		1/4	
1/2	2,327.34	1/2	1,968.34	1/2	1,609.35	1/2	1,250.35	1/2	902.98	1/2	546.74	1/2	187.75	1/2		1/2		1/2	
3/4	2,319.86	3/4	1,960.86	3/4	1,601.87	3/4	1,242.87	3/4	895.81	3/4	539.26	3/4	180.27	3/4		3/4		3/4	
10	2,312.38	10	1,953.38	10	1,594.39	10	1,235.39	10	888.63	10	531.78	10	172.79	10		10		10	
1/4	2,304.90	1/4	1,945.91	1/4	1,586.91	1/4	1,227.91	1/4	881.46	1/4	524.30	1/4	165.31	1/4		1/4		1/4	
1/2	2,297.42	1/2	1,938.43	1/2	1,579.43	1/2	1,220.43	1/2	874.28	1/2	516.82	1/2	157.83	1/2		1/2		1/2	
3/4	2,289.94	3/4	1,930.95	3/4	1,571.95	3/4	1,212.95	3/4	867.11	3/4	509.34	3/4	150.35	3/4		3/4		3/4	
11	2,282.46	11	1,923.47	11	1,564.47	11	1,205.47	11	859.93	11	501.86	11	142.88	11		11		11	
1/4	2,274.99	1/4	1,915.99	1/4	1,556.99	1/4	1,198.00	1/4	852.76	1/4	494.38	1/4	135.40	1/4		1/4		1/4	
1/2	2,267.51	1/2	1,908.51	1/2	1,549.51	1/2	1,190.52	1/2	845.58	1/2	486.91	1/2	127.92	1/2		1/2		1/2	
3/4	2,260.03	3/4	1,901.03	3/4	1,542.03	3/4	1,183.25	3/4	838.18	3/4	479.43	3/4	120.44	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/26/2013 SW  
RECALCULATED: 09/12/2023 CL  
PRINTED: 09/12/2023 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2023

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
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<http://www.pmacorp.net>



# BARGE "KIRBY 29167"

## 2 STBD

### ULLAGE TABLE

### "HERMETIC"

### GAUGE HEIGHT 17'-04"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30050"

N	0 FT.	N	1 FT.	N	2 FT.	N	3 FT.	N	4 FT.	N	5 FT.	N	6 FT.	N	7 FT.	N	8 FT.	N	9 FT.
0	0	0	0	0	0	0	0	0	4,794.23	0	4,436.65	0	4,077.78	0	3,718.81	0	3,359.83	0	3,000.85
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,786.81	1/4	4,429.19	1/4	4,070.31	1/4	3,711.33	1/4	3,352.35	1/4	2,993.36
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,779.39	1/2	4,421.73	1/2	4,062.83	1/2	3,703.85	1/2	3,344.87	1/2	2,985.88
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,771.97	3/4	4,414.28	3/4	4,055.35	3/4	3,696.37	3/4	3,337.39	3/4	2,978.39
1	1	1	1	1	1	1	1	1	4,764.56	1	4,406.82	1	4,047.87	1	3,688.89	1	3,329.91	1	2,970.90
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,093.24	1/4	4,757.14	1/4	4,399.35	1/4	4,040.39	1/4	3,681.41	1/4	3,322.44
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,088.75	1/2	4,749.72	1/2	4,391.88	1/2	4,032.91	1/2	3,673.93	1/2	3,314.96
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,084.27	3/4	4,742.31	3/4	4,384.40	3/4	4,025.43	3/4	3,666.46	3/4	3,307.48
2	2	2	2	2	2	2	2	2	5,079.79	2	4,734.89	2	4,376.93	2	4,017.96	2	3,658.98	2	3,300.00
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,074.24	1/4	4,727.44	1/4	4,369.45	1/4	4,010.48	1/4	3,651.50	1/4	3,292.52
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,068.69	1/2	4,719.99	1/2	4,361.98	1/2	4,003.00	1/2	3,644.02	1/2	3,285.04
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,063.14	3/4	4,712.55	3/4	4,354.50	3/4	3,995.52	3/4	3,636.54	3/4	3,277.56
3	3	3	3	3	3	3	3	3	5,057.59	3	4,705.10	3	4,347.02	3	3,988.04	3	3,629.06	3	3,270.08
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,050.97	1/4	4,697.64	1/4	4,339.54	1/4	3,980.56	1/4	3,621.58	1/4	3,262.61
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,044.35	1/2	4,690.19	1/2	4,332.06	1/2	3,973.08	1/2	3,614.11	1/2	3,255.13
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,037.73	3/4	4,682.73	3/4	4,324.58	3/4	3,965.60	3/4	3,606.63	3/4	3,247.65
4	4	4	4	4	4	4	4	4	5,031.11	4	4,675.27	4	4,317.10	4	3,958.13	4	3,599.15	4	3,240.17
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,023.82	1/4	4,667.82	1/4	4,309.62	1/4	3,950.65	1/4	3,591.67	1/4	3,232.69
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,016.54	1/2	4,660.36	1/2	4,302.15	1/2	3,943.17	1/2	3,584.19	1/2	3,225.21
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,009.25	3/4	4,652.90	3/4	4,294.67	3/4	3,935.69	3/4	3,576.71	3/4	3,217.73
5	5	5	5	5	5	5	5	5	5,001.96	5	4,645.45	5	4,287.19	5	3,928.21	5	3,569.23	5	3,210.26
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,994.54	1/4	4,637.99	1/4	4,279.71	1/4	3,920.73	1/4	3,561.75	1/4	3,202.78
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,987.12	1/2	4,630.53	1/2	4,272.23	1/2	3,913.25	1/2	3,554.28	1/2	3,195.30
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,979.70	3/4	4,623.07	3/4	4,264.75	3/4	3,905.77	3/4	3,546.80	3/4	3,187.82
6	6	6	6	6	6	6	6	6	4,972.28	6	4,615.62	6	4,257.27	6	3,898.30	6	3,539.32	6	3,180.34
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,964.85	1/4	4,608.16	1/4	4,249.79	1/4	3,890.82	1/4	3,531.84	1/4	3,172.86
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,957.43	1/2	4,600.70	1/2	4,242.32	1/2	3,883.34	1/2	3,524.36	1/2	3,165.38
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,950.01	3/4	4,593.25	3/4	4,234.84	3/4	3,875.86	3/4	3,516.88	3/4	3,157.90
7	7	7	7	7	7	7	7	7	4,942.59	7	4,585.79	7	4,227.36	7	3,868.38	7	3,509.40	7	3,150.43
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,935.17	1/4	4,578.33	1/4	4,219.88	1/4	3,860.90	1/4	3,501.92	1/4	3,142.95
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,927.75	1/2	4,570.88	1/2	4,212.40	1/2	3,853.42	1/2	3,494.45	1/2	3,135.47
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,920.33	3/4	4,563.42	3/4	4,204.92	3/4	3,845.94	3/4	3,486.97	3/4	3,127.99
8	8	8	8	8	8	8	8	8	4,912.91	8	4,555.96	8	4,197.44	8	3,838.47	8	3,479.49	8	3,120.51
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,905.49	1/4	4,548.50	1/4	4,189.97	1/4	3,830.99	1/4	3,472.01	1/4	3,113.03
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,898.07	1/2	4,541.05	1/2	4,182.49	1/2	3,823.51	1/2	3,464.53	1/2	3,105.55
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,890.65	3/4	4,533.59	3/4	4,175.01	3/4	3,816.03	3/4	3,457.05	3/4	3,098.07
9	9	9	9	9	9	9	9	9	4,883.23	9	4,526.13	9	4,167.53	9	3,808.55	9	3,449.57	9	3,090.60
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,875.81	1/4	4,518.68	1/4	4,160.05	1/4	3,801.07	1/4	3,442.10	1/4	3,083.12
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,868.40	1/2	4,511.22	1/2	4,152.57	1/2	3,793.59	1/2	3,434.62	1/2	3,075.64
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,860.98	3/4	4,503.76	3/4	4,145.09	3/4	3,786.12	3/4	3,427.14	3/4	3,068.16
10	10	10	10	10	10	10	10	10	4,853.56	10	4,496.30	10	4,137.61	10	3,778.64	10	3,419.66	10	3,060.68
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,846.15	1/4	4,488.85	1/4	4,130.14	1/4	3,771.16	1/4	3,412.18	1/4	3,053.20
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,838.73	1/2	4,481.39	1/2	4,122.66	1/2	3,763.68	1/2	3,404.70	1/2	3,045.72
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,831.31	3/4	4,473.93	3/4	4,115.18	3/4	3,756.20	3/4	3,397.22	3/4	3,038.25
11	11	11	11	11	11	11	11	11	4,823.89	11	4,466.48	11	4,107.70	11	3,748.72	11	3,389.74	11	3,030.77
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,816.48	1/4	4,459.02	1/4	4,100.22	1/4	3,741.24	1/4	3,382.27	1/4	3,023.29
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,809.06	1/2	4,451.56	1/2	4,092.74	1/2	3,733.76	1/2	3,374.79	1/2	3,015.81
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,801.64	3/4	4,444.11	3/4	4,085.26	3/4	3,726.29	3/4	3,367.31	3/4	3,008.33

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" GAUGE.

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

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>





# BARGE "KIRBY 29167"

2 STBD

ULLAGE TABLE  
"HERMETIC"

GAUGE HEIGHT 17'-04"

CONTAINS 110,000 GALLONS OF 42 U.S. GALLONS

FORMERLY "SMI 30050"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	2,641.67	0	2,282.50	0	1,923.34	0	1,564.17	0	1,205.01	0	846.28	0	487.14	0	127.98	0		0	
1/4	2,634.18	1/4	2,275.02	1/4	1,915.85	1/4	1,556.69	1/4	1,197.52	1/4	838.81	1/4	479.66	1/4	120.50	1/4		1/4	
1/2	2,626.70	1/2	2,267.54	1/2	1,908.37	1/2	1,549.21	1/2	1,190.04	1/2	831.33	1/2	472.17	1/2	113.01	1/2		1/2	
3/4	2,619.22	3/4	2,260.05	3/4	1,900.89	3/4	1,541.72	3/4	1,182.56	3/4	823.85	3/4	464.69	3/4	105.53	3/4		3/4	
1	2,611.74	1	2,252.57	1	1,893.41	1	1,534.24	1	1,175.08	1	816.37	1	457.21	1	98.05	1		1	
1/4	2,604.25	1/4	2,245.09	1/4	1,885.92	1/4	1,526.76	1/4	1,167.59	1/4	808.89	1/4	449.73	1/4	90.57	1/4		1/4	
1/2	2,596.77	1/2	2,237.61	1/2	1,878.44	1/2	1,519.28	1/2	1,160.11	1/2	801.40	1/2	442.24	1/2	83.08	1/2		1/2	
3/4	2,589.29	3/4	2,230.12	3/4	1,870.96	3/4	1,511.79	3/4	1,152.63	3/4	793.92	3/4	434.76	3/4	75.60	3/4		3/4	
2	2,581.81	2	2,222.64	2	1,863.48	2	1,504.31	2	1,145.15	2	786.44	2	427.28	2	68.12	2		2	
1/4	2,574.32	1/4	2,215.16	1/4	1,855.99	1/4	1,496.83	1/4	1,137.67	1/4	778.96	1/4	419.80	1/4	61.34	1/4		1/4	
1/2	2,566.84	1/2	2,207.68	1/2	1,848.51	1/2	1,489.35	1/2	1,130.19	1/2	771.47	1/2	412.31	1/2	54.56	1/2		1/2	
3/4	2,559.36	3/4	2,200.19	3/4	1,841.03	3/4	1,481.86	3/4	1,122.71	3/4	763.99	3/4	404.83	3/4	47.78	3/4		3/4	
3	2,551.88	3	2,192.71	3	1,833.55	3	1,474.38	3	1,115.23	3	756.51	3	397.35	3	41.00	3		3	
1/4	2,544.39	1/4	2,185.23	1/4	1,826.06	1/4	1,466.90	1/4	1,107.76	1/4	749.03	1/4	389.87	1/4	35.85	1/4		1/4	
1/2	2,536.91	1/2	2,177.75	1/2	1,818.58	1/2	1,459.42	1/2	1,100.28	1/2	741.54	1/2	382.38	1/2	30.71	1/2		1/2	
3/4	2,529.43	3/4	2,170.26	3/4	1,811.10	3/4	1,451.93	3/4	1,092.80	3/4	734.06	3/4	374.90	3/4	25.56	3/4		3/4	
4	2,521.94	4	2,162.78	4	1,803.62	4	1,444.45	4	1,085.32	4	726.58	4	367.42	4	20.42	4		4	
1/4	2,514.46	1/4	2,155.30	1/4	1,796.13	1/4	1,436.97	1/4	1,077.85	1/4	719.10	1/4	359.94	1/4		1/4		1/4	
1/2	2,506.98	1/2	2,147.81	1/2	1,788.65	1/2	1,429.49	1/2	1,070.38	1/2	711.61	1/2	352.45	1/2		1/2		1/2	
3/4	2,499.50	3/4	2,140.33	3/4	1,781.17	3/4	1,422.00	3/4	1,062.91	3/4	704.13	3/4	344.97	3/4		3/4		3/4	
5	2,492.01	5	2,132.85	5	1,773.68	5	1,414.52	5	1,055.44	5	696.65	5	337.49	5		5		5	
1/4	2,484.53	1/4	2,125.37	1/4	1,766.20	1/4	1,407.04	1/4	1,047.97	1/4	689.17	1/4	330.01	1/4		1/4		1/4	
1/2	2,477.05	1/2	2,117.88	1/2	1,758.72	1/2	1,399.55	1/2	1,040.50	1/2	681.68	1/2	322.52	1/2		1/2		1/2	
3/4	2,469.57	3/4	2,110.40	3/4	1,751.24	3/4	1,392.07	3/4	1,033.03	3/4	674.20	3/4	315.04	3/4		3/4		3/4	
6	2,462.08	6	2,102.92	6	1,743.75	6	1,384.59	6	1,025.56	6	666.72	6	307.56	6		6		6	
1/4	2,454.60	1/4	2,095.44	1/4	1,736.27	1/4	1,377.11	1/4	1,018.09	1/4	659.24	1/4	300.08	1/4		1/4		1/4	
1/2	2,447.12	1/2	2,087.95	1/2	1,728.79	1/2	1,369.62	1/2	1,010.62	1/2	651.75	1/2	292.59	1/2		1/2		1/2	
3/4	2,439.64	3/4	2,080.47	3/4	1,721.31	3/4	1,362.14	3/4	1,003.15	3/4	644.27	3/4	285.11	3/4		3/4		3/4	
7	2,432.15	7	2,072.99	7	1,713.82	7	1,354.66	7	995.68	7	636.79	7	277.63	7		7		7	
1/4	2,424.67	1/4	2,065.51	1/4	1,706.34	1/4	1,347.18	1/4	988.21	1/4	629.31	1/4	270.15	1/4		1/4		1/4	
1/2	2,417.19	1/2	2,058.02	1/2	1,698.86	1/2	1,339.69	1/2	980.74	1/2	621.82	1/2	262.66	1/2		1/2		1/2	
3/4	2,409.71	3/4	2,050.54	3/4	1,691.38	3/4	1,332.21	3/4	973.27	3/4	614.34	3/4	255.18	3/4		3/4		3/4	
8	2,402.22	8	2,043.06	8	1,683.89	8	1,324.73	8	965.80	8	606.86	8	247.70	8		8		8	
1/4	2,394.74	1/4	2,035.58	1/4	1,676.41	1/4	1,317.25	1/4	958.33	1/4	599.38	1/4	240.22	1/4		1/4		1/4	
1/2	2,387.26	1/2	2,028.09	1/2	1,668.93	1/2	1,309.76	1/2	950.86	1/2	591.89	1/2	232.73	1/2		1/2		1/2	
3/4	2,379.78	3/4	2,020.61	3/4	1,661.45	3/4	1,302.28	3/4	943.39	3/4	584.41	3/4	225.25	3/4		3/4		3/4	
9	2,372.29	9	2,013.13	9	1,653.96	9	1,294.80	9	935.92	9	576.93	9	217.77	9		9		9	
1/4	2,364.81	1/4	2,005.65	1/4	1,646.48	1/4	1,287.32	1/4	928.45	1/4	569.45	1/4	210.29	1/4		1/4		1/4	
1/2	2,357.33	1/2	1,998.16	1/2	1,639.00	1/2	1,279.83	1/2	920.98	1/2	561.96	1/2	202.80	1/2		1/2		1/2	
3/4	2,349.84	3/4	1,990.68	3/4	1,631.52	3/4	1,272.35	3/4	913.51	3/4	554.48	3/4	195.32	3/4		3/4		3/4	
10	2,342.36	10	1,983.20	10	1,624.03	10	1,264.87	10	906.04	10	547.00	10	187.84	10		10		10	
1/4	2,334.88	1/4	1,975.71	1/4	1,616.55	1/4	1,257.39	1/4	898.57	1/4	539.52	1/4	180.36	1/4		1/4		1/4	
1/2	2,327.40	1/2	1,968.23	1/2	1,609.07	1/2	1,249.90	1/2	891.10	1/2	532.03	1/2	172.87	1/2		1/2		1/2	
3/4	2,319.91	3/4	1,960.75	3/4	1,601.58	3/4	1,242.42	3/4	883.63	3/4	524.55	3/4	165.39	3/4		3/4		3/4	
11	2,312.43	11	1,953.27	11	1,594.10	11	1,234.94	11	876.16	11	517.07	11	157.91	11		11		11	
1/4	2,304.95	1/4	1,945.78	1/4	1,586.62	1/4	1,227.45	1/4	868.69	1/4	509.59	1/4	150.43	1/4		1/4		1/4	
1/2	2,297.47	1/2	1,938.30	1/2	1,579.14	1/2	1,219.97	1/2	861.22	1/2	502.10	1/2	142.94	1/2		1/2		1/2	
3/4	2,289.98	3/4	1,930.82	3/4	1,571.65	3/4	1,212.49	3/4	853.75	3/4	494.62	3/4	135.46	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/26/2013 SW  
RECALCULATED: 09/12/2023 CL  
PRINTED: 09/12/2023 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2023

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



# BARGE "KIRBY 29167"

## 3 PORT

### ULLAGE TABLE

#### "HERMETIC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30050"

GAUGE HEIGHT 17'-04"

	0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.
0	0	0	0	0	4,301.13	4,082.86	3,863.71	3,644.49	3,325.56	2,969.14
1/4	1/4	1/4	1/4	1/4	4,296.61	4,078.30	3,859.14	3,639.93	3,318.15	2,961.71
1/2	1/2	1/2	1/2	1/2	4,292.08	4,073.75	3,854.58	3,635.36	3,310.75	2,954.28
3/4	3/4	3/4	3/4	3/4	4,287.56	4,069.20	3,850.01	3,630.79	3,303.34	2,946.85
1	1	1	1	1	4,283.03	4,064.65	3,845.44	3,626.23	3,295.93	2,939.41
1/4	1/4	1/4	1/4	1/4	4,476.57	4,278.51	4,060.08	3,840.87	3,621.66	2,931.98
1/2	1/2	1/2	1/2	1/2	4,474.72	4,273.98	4,055.52	3,836.31	3,617.09	2,924.55
3/4	3/4	3/4	3/4	3/4	4,472.87	4,269.46	4,050.95	3,831.74	3,612.52	2,917.12
2	2	2	2	2	4,471.02	4,264.93	4,046.39	3,827.17	3,607.96	2,909.69
1/4	1/4	1/4	1/4	1/4	4,468.36	4,260.38	4,041.82	3,822.61	3,603.39	2,902.25
1/2	1/2	1/2	1/2	1/2	4,465.70	4,255.84	4,037.26	3,818.04	3,598.82	2,894.82
3/4	3/4	3/4	3/4	3/4	4,463.03	4,251.29	4,032.69	3,813.47	3,594.26	2,887.39
3	3	3	3	3	4,460.37	4,246.75	4,028.12	3,808.91	3,589.69	2,879.96
1/4	1/4	1/4	1/4	1/4	4,456.64	4,242.19	4,023.55	3,804.34	3,585.12	2,872.53
1/2	1/2	1/2	1/2	1/2	4,452.91	4,237.64	4,018.99	3,799.77	3,576.23	2,865.09
3/4	3/4	3/4	3/4	3/4	4,449.18	4,233.09	4,014.42	3,795.20	3,569.50	2,857.66
4	4	4	4	4	4,445.45	4,228.54	4,009.85	3,790.64	3,562.77	2,850.23
1/4	1/4	1/4	1/4	1/4	4,441.06	4,223.98	4,005.29	3,786.07	3,555.34	2,842.80
1/2	1/2	1/2	1/2	1/2	4,436.66	4,219.43	4,000.72	3,781.50	3,547.92	2,835.37
3/4	3/4	3/4	3/4	3/4	4,432.27	4,214.88	3,996.15	3,776.94	3,540.49	2,827.93
5	5	5	5	5	4,427.87	4,210.33	3,991.59	3,772.37	3,533.06	2,820.50
1/4	1/4	1/4	1/4	1/4	4,423.35	4,205.77	3,987.02	3,767.80	3,525.64	2,813.07
1/2	1/2	1/2	1/2	1/2	4,418.82	4,201.22	3,982.45	3,763.24	3,518.22	2,805.64
3/4	3/4	3/4	3/4	3/4	4,414.29	4,196.67	3,977.88	3,758.67	3,510.80	2,798.21
6	6	6	6	6	4,409.76	4,192.12	3,973.32	3,754.10	3,503.38	2,790.77
1/4	1/4	1/4	1/4	1/4	4,405.23	4,187.56	3,968.75	3,749.53	3,495.97	2,783.34
1/2	1/2	1/2	1/2	1/2	4,400.71	4,183.01	3,964.18	3,744.97	3,488.56	2,775.91
3/4	3/4	3/4	3/4	3/4	4,396.18	4,178.46	3,959.62	3,740.40	3,481.15	2,768.48
7	7	7	7	7	4,391.65	4,173.91	3,955.05	3,735.83	3,473.73	2,761.05
1/4	1/4	1/4	1/4	1/4	4,387.12	4,169.35	3,950.48	3,731.27	3,466.33	2,753.61
1/2	1/2	1/2	1/2	1/2	4,382.59	4,164.80	3,945.92	3,726.70	3,458.92	2,746.18
3/4	3/4	3/4	3/4	3/4	4,378.07	4,160.25	3,941.35	3,722.13	3,451.51	2,738.75
8	8	8	8	8	4,373.54	4,155.70	3,936.78	3,717.57	3,444.10	2,731.32
1/4	1/4	1/4	1/4	1/4	4,369.01	4,151.14	3,932.21	3,713.00	3,436.69	2,723.89
1/2	1/2	1/2	1/2	1/2	4,364.49	4,146.59	3,927.65	3,708.43	3,429.28	2,716.45
3/4	3/4	3/4	3/4	3/4	4,359.96	4,142.04	3,923.08	3,703.86	3,421.87	2,709.02
9	9	9	9	9	4,355.44	4,137.49	3,918.51	3,699.30	3,414.47	2,701.59
1/4	1/4	1/4	1/4	1/4	4,350.91	4,132.93	3,913.95	3,694.73	3,407.06	2,694.16
1/2	1/2	1/2	1/2	1/2	4,346.38	4,128.38	3,909.38	3,690.16	3,399.65	2,686.73
3/4	3/4	3/4	3/4	3/4	4,341.86	4,123.83	3,904.81	3,685.60	3,392.24	2,679.29
10	10	10	10	10	4,337.33	4,119.28	3,900.25	3,681.03	3,384.83	2,671.86
1/4	1/4	1/4	1/4	1/4	4,332.81	4,114.72	3,895.68	3,676.46	3,377.42	2,664.43
1/2	1/2	1/2	1/2	1/2	4,328.28	4,110.17	3,891.11	3,671.90	3,370.01	2,657.00
3/4	3/4	3/4	3/4	3/4	4,323.76	4,105.62	3,886.54	3,667.33	3,362.61	2,649.57
11	11	11	11	11	4,319.23	4,101.07	3,881.98	3,662.76	3,355.20	2,642.13
1/4	1/4	1/4	1/4	1/4	4,314.71	4,096.51	3,877.41	3,658.19	3,347.79	2,634.70
1/2	1/2	1/2	1/2	1/2	4,310.18	4,091.96	3,872.84	3,653.63	3,340.38	2,627.27
3/4	3/4	3/4	3/4	3/4	4,305.66	4,087.41	3,868.28	3,649.06	3,332.97	2,619.84

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" GAUGE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>





# BARGE "KIRBY 29167"

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

GRADES OF 42 U.S. GALLONS

FORMERLY "SMI 30050"

N	10 FT.	N	11 FT.	N	12 FT.	N	13 FT.	N	14 FT.	N	15 FT.	N	16 FT.	N	17 FT.	N	18 FT.	N	19 FT.
0	2,612.41	0	2,256.52	0	1,902.42	0	1,545.40	0	1,188.31	0	841.80	0	484.74	0	127.49	0		0	
1/4	2,604.97	1/4	2,249.14	1/4	1,895.00	1/4	1,537.96	1/4	1,181.03	1/4	834.41	1/4	477.30	1/4	120.04	1/4		1/4	
1/2	2,597.53	1/2	2,241.75	1/2	1,887.58	1/2	1,530.52	1/2	1,173.74	1/2	827.03	1/2	469.86	1/2	112.59	1/2		1/2	
3/4	2,590.09	3/4	2,234.37	3/4	1,880.16	3/4	1,523.08	3/4	1,166.46	3/4	819.65	3/4	462.42	3/4	105.14	3/4		3/4	
1	2,582.66	1	2,226.99	1	1,872.73	1	1,515.64	1	1,159.18	1	812.26	1	454.97	1	97.69	1		1	
1/4	2,575.22	1/4	2,219.61	1/4	1,865.29	1/4	1,508.20	1/4	1,151.95	1/4	804.82	1/4	447.53	1/4	90.24	1/4		1/4	
1/2	2,567.78	1/2	2,212.24	1/2	1,857.85	1/2	1,500.76	1/2	1,144.72	1/2	797.37	1/2	440.09	1/2	82.78	1/2		1/2	
3/4	2,560.34	3/4	2,204.86	3/4	1,850.41	3/4	1,493.32	3/4	1,137.49	3/4	789.93	3/4	432.65	3/4	75.33	3/4		3/4	
2	2,552.90	2	2,197.48	2	1,842.98	2	1,485.88	2	1,130.26	2	782.49	2	425.20	2	67.88	2		2	
1/4	2,545.46	1/4	2,190.11	1/4	1,835.54	1/4	1,478.44	1/4	1,123.04	1/4	775.04	1/4	417.76	1/4	61.12	1/4		1/4	
1/2	2,538.02	1/2	2,182.73	1/2	1,828.10	1/2	1,471.01	1/2	1,115.82	1/2	767.60	1/2	410.32	1/2	54.36	1/2		1/2	
3/4	2,530.58	3/4	2,175.35	3/4	1,820.66	3/4	1,463.57	3/4	1,108.60	3/4	760.16	3/4	402.88	3/4	47.61	3/4		3/4	
3	2,523.14	3	2,167.98	3	1,813.22	3	1,456.13	3	1,101.38	3	752.71	3	395.44	3	40.85	3		3	
1/4	2,515.70	1/4	2,160.60	1/4	1,805.78	1/4	1,448.69	1/4	1,094.17	1/4	745.27	1/4	387.99	1/4	35.72	1/4		1/4	
1/2	2,508.26	1/2	2,153.22	1/2	1,798.34	1/2	1,441.25	1/2	1,086.95	1/2	737.83	1/2	380.55	1/2	30.60	1/2		1/2	
3/4	2,500.83	3/4	2,145.85	3/4	1,790.90	3/4	1,433.81	3/4	1,079.73	3/4	730.38	3/4	373.11	3/4	25.47	3/4		3/4	
4	2,493.39	4	2,138.47	4	1,783.46	4	1,426.37	4	1,072.52	4	722.94	4	365.67	4	20.35	4		4	
1/4	2,485.98	1/4	2,131.10	1/4	1,776.02	1/4	1,418.93	1/4	1,065.30	1/4	715.49	1/4	358.22	1/4		1/4		1/4	
1/2	2,478.57	1/2	2,123.72	1/2	1,768.58	1/2	1,411.49	1/2	1,058.09	1/2	708.05	1/2	350.78	1/2		1/2		1/2	
3/4	2,471.16	3/4	2,116.34	3/4	1,761.14	3/4	1,404.05	3/4	1,050.88	3/4	700.61	3/4	343.34	3/4		3/4		3/4	
5	2,463.74	5	2,108.97	5	1,753.70	5	1,396.61	5	1,043.67	5	693.16	5	335.90	5		5		5	
1/4	2,456.34	1/4	2,101.59	1/4	1,746.26	1/4	1,389.17	1/4	1,036.46	1/4	685.72	1/4	328.46	1/4		1/4		1/4	
1/2	2,448.94	1/2	2,094.21	1/2	1,738.82	1/2	1,381.73	1/2	1,029.25	1/2	678.28	1/2	321.01	1/2		1/2		1/2	
3/4	2,441.54	3/4	2,086.84	3/4	1,731.38	3/4	1,374.29	3/4	1,022.04	3/4	670.83	3/4	313.57	3/4		3/4		3/4	
6	2,434.14	6	2,079.46	6	1,723.94	6	1,366.85	6	1,014.83	6	663.39	6	306.13	6		6		6	
1/4	2,426.74	1/4	2,072.08	1/4	1,716.51	1/4	1,359.41	1/4	1,007.62	1/4	655.95	1/4	298.69	1/4		1/4		1/4	
1/2	2,419.34	1/2	2,064.71	1/2	1,709.07	1/2	1,351.97	1/2	1,000.41	1/2	648.50	1/2	291.24	1/2		1/2		1/2	
3/4	2,411.94	3/4	2,057.33	3/4	1,701.63	3/4	1,344.54	3/4	993.20	3/4	641.06	3/4	283.80	3/4		3/4		3/4	
7	2,404.54	7	2,049.95	7	1,694.19	7	1,337.10	7	985.99	7	633.62	7	276.36	7		7		7	
1/4	2,397.14	1/4	2,042.58	1/4	1,686.75	1/4	1,329.66	1/4	978.78	1/4	626.17	1/4	268.92	1/4		1/4		1/4	
1/2	2,389.74	1/2	2,035.20	1/2	1,679.31	1/2	1,322.22	1/2	971.57	1/2	618.73	1/2	261.48	1/2		1/2		1/2	
3/4	2,382.33	3/4	2,027.82	3/4	1,671.87	3/4	1,314.78	3/4	964.36	3/4	611.28	3/4	254.03	3/4		3/4		3/4	
8	2,374.93	8	2,020.45	8	1,664.43	8	1,307.34	8	957.15	8	603.84	8	246.59	8		8		8	
1/4	2,367.53	1/4	2,013.07	1/4	1,656.99	1/4	1,299.90	1/4	949.94	1/4	596.40	1/4	239.15	1/4		1/4		1/4	
1/2	2,360.13	1/2	2,005.69	1/2	1,649.55	1/2	1,292.46	1/2	942.73	1/2	588.95	1/2	231.70	1/2		1/2		1/2	
3/4	2,352.73	3/4	1,998.32	3/4	1,642.11	3/4	1,285.02	3/4	935.52	3/4	581.51	3/4	224.26	3/4		3/4		3/4	
9	2,345.33	9	1,990.94	9	1,634.67	9	1,277.58	9	928.31	9	574.07	9	216.82	9		9		9	
1/4	2,337.93	1/4	1,983.57	1/4	1,627.23	1/4	1,270.14	1/4	921.11	1/4	566.62	1/4	209.37	1/4		1/4		1/4	
1/2	2,330.53	1/2	1,976.19	1/2	1,619.79	1/2	1,262.70	1/2	913.90	1/2	559.18	1/2	201.93	1/2		1/2		1/2	
3/4	2,323.13	3/4	1,968.81	3/4	1,612.35	3/4	1,255.26	3/4	906.69	3/4	551.74	3/4	194.49	3/4		3/4		3/4	
10	2,315.73	10	1,961.44	10	1,604.91	10	1,247.82	10	899.48	10	544.29	10	187.04	10		10		10	
1/4	2,308.33	1/4	1,954.06	1/4	1,597.48	1/4	1,240.38	1/4	892.27	1/4	536.85	1/4	179.60	1/4		1/4		1/4	
1/2	2,300.93	1/2	1,946.68	1/2	1,590.04	1/2	1,232.94	1/2	885.06	1/2	529.40	1/2	172.16	1/2		1/2		1/2	
3/4	2,293.52	3/4	1,939.31	3/4	1,582.60	3/4	1,225.51	3/4	877.85	3/4	521.96	3/4	164.71	3/4		3/4		3/4	
11	2,286.12	11	1,931.93	11	1,575.16	11	1,218.07	11	870.64	11	514.52	11	157.27	11		11		11	
1/4	2,278.72	1/4	1,924.55	1/4	1,567.72	1/4	1,210.63	1/4	863.43	1/4	507.07	1/4	149.82	1/4		1/4		1/4	
1/2	2,271.32	1/2	1,917.18	1/2	1,560.28	1/2	1,203.19	1/2	856.22	1/2	499.63	1/2	142.38	1/2		1/2		1/2	
3/4	2,263.92	3/4	1,909.80	3/4	1,552.84	3/4	1,195.75	3/4	849.01	3/4	492.19	3/4	134.93	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/26/2013 SW  
 RECALCULATED: 09/12/2023 CL  
 PRINTED: 09/12/2023 CL

CANCELS AND SUPERCEDES  
 ALL PRIOR TO 09/2023

PRECISION MEASUREMENT  
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 P.O. Box 2092  
 Pearland, Texas 77588  
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# BARGE "KIRBY 29167"

3 STBD

ULLAGE TABLE

"HERMETIC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30050"

GAUGE HEIGHT 17'-03 1/2"

N	0 FT.	N	1 FT.	N	2 FT.	N	3 FT.	N	4 FT.	N	5 FT.	N	6 FT.	N	7 FT.	N	8 FT.	N	9 FT.
0		0		0		0		0	4,313.53	0	4,095.23	0	3,876.09	0	3,656.91	0	3,331.86	0	2,974.61
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,309.01	1/4	4,090.68	1/4	3,871.53	1/4	3,652.34	1/4	3,324.44	1/4	2,967.17
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,304.48	1/2	4,086.13	1/2	3,866.96	1/2	3,647.78	1/2	3,317.01	1/2	2,959.72
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,497.99	3/4	4,299.96	3/4	4,081.57	3/4	3,862.39	3/4	3,643.21	3/4	3,309.59
1		1		1		1		1	4,496.15	1	4,295.43	1	4,077.00	1	3,857.83	1	3,638.64	1	3,302.16
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,494.30	1/4	4,290.91	1/4	4,072.44	1/4	3,853.26	1/4	3,634.08	1/4	3,294.74
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,492.45	1/2	4,286.38	1/2	4,067.88	1/2	3,848.69	1/2	3,629.51	1/2	3,287.31
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,489.79	3/4	4,281.84	3/4	4,063.31	3/4	3,844.13	3/4	3,624.95	3/4	3,279.87
2		2		2		2		2	4,487.12	2	4,277.29	2	4,058.74	2	3,839.56	2	3,620.38	2	3,272.43
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,484.46	1/4	4,272.75	1/4	4,054.18	1/4	3,835.00	1/4	3,615.81	1/4	3,264.99
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,481.80	1/2	4,268.20	1/2	4,049.61	1/2	3,830.43	1/2	3,611.25	1/2	3,257.55
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,478.07	3/4	4,263.65	3/4	4,045.05	3/4	3,825.86	3/4	3,606.52	3/4	3,250.10
3		3		3		3		3	4,474.34	3	4,259.10	3	4,040.48	3	3,821.30	3	3,597.79	3	3,242.66
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,470.61	1/4	4,254.55	1/4	4,035.91	1/4	3,816.73	1/4	3,591.06	1/4	3,235.21
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,466.88	1/2	4,250.00	1/2	4,031.35	1/2	3,812.16	1/2	3,584.33	1/2	3,227.77
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,462.48	3/4	4,245.44	3/4	4,026.78	3/4	3,807.60	3/4	3,576.90	3/4	3,220.32
4		4		4		4		4	4,458.09	4	4,240.89	4	4,022.21	4	3,803.03	4	3,569.47	4	3,212.88
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,453.69	1/4	4,236.34	1/4	4,017.65	1/4	3,798.47	1/4	3,562.04	1/4	3,205.43
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,449.30	1/2	4,231.79	1/2	4,013.08	1/2	3,793.90	1/2	3,554.61	1/2	3,197.98
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,444.77	3/4	4,227.24	3/4	4,008.52	3/4	3,789.33	3/4	3,547.18	3/4	3,190.54
5		5		5		5		5	4,440.25	5	4,222.68	5	4,003.95	5	3,784.77	5	3,539.76	5	3,183.09
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,435.72	1/4	4,218.13	1/4	3,999.38	1/4	3,780.20	1/4	3,532.33	1/4	3,175.65
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,431.19	1/2	4,213.58	1/2	3,994.82	1/2	3,775.63	1/2	3,524.91	1/2	3,168.20
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,426.66	3/4	4,209.03	3/4	3,990.25	3/4	3,771.07	3/4	3,517.48	3/4	3,160.76
6		6		6		6		6	4,422.14	6	4,204.48	6	3,985.68	6	3,766.50	6	3,510.06	6	3,153.31
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,417.61	1/4	4,199.93	1/4	3,981.12	1/4	3,761.93	1/4	3,502.63	1/4	3,145.87
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,413.08	1/2	4,195.37	1/2	3,976.55	1/2	3,757.37	1/2	3,495.21	1/2	3,138.42
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,408.56	3/4	4,190.82	3/4	3,971.98	3/4	3,752.80	3/4	3,487.78	3/4	3,130.97
7		7		7		7		7	4,404.03	7	4,186.27	7	3,967.42	7	3,748.24	7	3,480.36	7	3,123.53
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,399.50	1/4	4,181.72	1/4	3,962.85	1/4	3,743.67	1/4	3,472.93	1/4	3,116.08
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,394.97	1/2	4,177.17	1/2	3,958.29	1/2	3,739.10	1/2	3,465.51	1/2	3,108.64
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,390.45	3/4	4,172.61	3/4	3,953.72	3/4	3,734.54	3/4	3,458.08	3/4	3,101.19
8		8		8		8		8	4,385.92	8	4,168.06	8	3,949.15	8	3,729.97	8	3,450.66	8	3,093.75
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,381.40	1/4	4,163.51	1/4	3,944.59	1/4	3,725.40	1/4	3,443.23	1/4	3,086.30
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,376.87	1/2	4,158.96	1/2	3,940.02	1/2	3,720.84	1/2	3,435.81	1/2	3,078.86
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,372.35	3/4	4,154.41	3/4	3,935.45	3/4	3,716.27	3/4	3,428.38	3/4	3,071.41
9		9		9		9		9	4,367.82	9	4,149.86	9	3,930.89	9	3,711.71	9	3,420.96	9	3,063.96
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,363.30	1/4	4,145.30	1/4	3,926.32	1/4	3,707.14	1/4	3,413.53	1/4	3,056.52
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,358.77	1/2	4,140.75	1/2	3,921.76	1/2	3,702.57	1/2	3,406.11	1/2	3,049.07
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,354.25	3/4	4,136.20	3/4	3,917.19	3/4	3,698.01	3/4	3,398.68	3/4	3,041.63
10		10		10		10		10	4,349.73	10	4,131.65	10	3,912.62	10	3,693.44	10	3,391.26	10	3,034.18
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,345.20	1/4	4,127.10	1/4	3,908.06	1/4	3,688.87	1/4	3,383.83	1/4	3,026.74
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,340.68	1/2	4,122.55	1/2	3,903.49	1/2	3,684.31	1/2	3,376.41	1/2	3,019.29
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,336.15	3/4	4,117.99	3/4	3,898.92	3/4	3,679.74	3/4	3,368.98	3/4	3,011.84
11		11		11		11		11	4,331.63	11	4,113.44	11	3,894.36	11	3,675.18	11	3,361.56	11	3,004.40
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,327.10	1/4	4,108.89	1/4	3,889.79	1/4	3,670.61	1/4	3,354.14	1/4	2,996.95
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,322.58	1/2	4,104.34	1/2	3,885.23	1/2	3,666.04	1/2	3,346.71	1/2	2,989.51
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,318.06	3/4	4,099.79	3/4	3,880.66	3/4	3,661.48	3/4	3,339.29	3/4	2,982.06

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" GAUGE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

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





# BARGE "KIRBY 29167"

## 3 STBD

### ULLAGE TABLE "HERMETIC"

GRADES 100-1000 BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30050"

GAUGE HEIGHT 17'-03 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,617.08	0	2,259.22	0	1,901.36	0	1,543.49	0	1,185.63	0	828.31	0	470.46	0	112.61	0		0	
1/4	2,609.63	1/4	2,251.77	1/4	1,893.90	1/4	1,536.04	1/4	1,178.17	1/4	820.86	1/4	463.01	1/4	105.15	1/4		1/4	
1/2	2,602.17	1/2	2,244.31	1/2	1,886.45	1/2	1,528.58	1/2	1,170.72	1/2	813.41	1/2	455.55	1/2	97.70	1/2		1/2	
3/4	2,594.72	3/4	2,236.85	3/4	1,878.99	3/4	1,521.13	3/4	1,163.26	3/4	805.95	3/4	448.10	3/4	90.24	3/4		3/4	
1	2,587.26	1	2,229.40	1	1,871.53	1	1,513.67	1	1,155.81	1	798.49	1	440.64	1	82.79	1		1	
1/4	2,579.81	1/4	2,221.94	1/4	1,864.08	1/4	1,506.22	1/4	1,148.35	1/4	791.04	1/4	433.18	1/4	75.33	1/4		1/4	
1/2	2,572.35	1/2	2,214.49	1/2	1,856.62	1/2	1,498.76	1/2	1,140.90	1/2	783.58	1/2	425.73	1/2	67.88	1/2		1/2	
3/4	2,564.90	3/4	2,207.03	3/4	1,849.17	3/4	1,491.30	3/4	1,133.45	3/4	776.13	3/4	418.27	3/4	61.12	3/4		3/4	
2	2,557.44	2	2,199.58	2	1,841.71	2	1,483.85	2	1,126.00	2	768.67	2	410.82	2	54.36	2		2	
1/4	2,549.99	1/4	2,192.12	1/4	1,834.26	1/4	1,476.39	1/4	1,118.55	1/4	761.22	1/4	403.36	1/4	47.61	1/4		1/4	
1/2	2,542.53	1/2	2,184.67	1/2	1,826.80	1/2	1,468.94	1/2	1,111.10	1/2	753.76	1/2	395.91	1/2	40.85	1/2		1/2	
3/4	2,535.07	3/4	2,177.21	3/4	1,819.35	3/4	1,461.48	3/4	1,103.65	3/4	746.31	3/4	388.45	3/4	35.72	3/4		3/4	
3	2,527.62	3	2,169.75	3	1,811.89	3	1,454.03	3	1,096.20	3	738.85	3	381.00	3	30.60	3		3	
1/4	2,520.16	1/4	2,162.30	1/4	1,804.44	1/4	1,446.57	1/4	1,088.75	1/4	731.40	1/4	373.54	1/4	25.47	1/4		1/4	
1/2	2,512.71	1/2	2,154.84	1/2	1,796.98	1/2	1,439.12	1/2	1,081.31	1/2	723.94	1/2	366.09	1/2	20.35	1/2		1/2	
3/4	2,505.25	3/4	2,147.39	3/4	1,789.52	3/4	1,431.66	3/4	1,073.86	3/4	716.49	3/4	358.63	3/4		3/4		3/4	
4	2,497.80	4	2,139.93	4	1,782.07	4	1,424.20	4	1,066.42	4	709.03	4	351.18	4		4		4	
1/4	2,490.34	1/4	2,132.48	1/4	1,774.61	1/4	1,416.75	1/4	1,058.98	1/4	701.58	1/4	343.72	1/4		1/4		1/4	
1/2	2,482.89	1/2	2,125.02	1/2	1,767.16	1/2	1,409.29	1/2	1,051.54	1/2	694.12	1/2	336.27	1/2		1/2		1/2	
3/4	2,475.43	3/4	2,117.57	3/4	1,759.70	3/4	1,401.84	3/4	1,044.10	3/4	686.66	3/4	328.81	3/4		3/4		3/4	
5	2,467.97	5	2,110.11	5	1,752.25	5	1,394.38	5	1,036.66	5	679.21	5	321.36	5		5		5	
1/4	2,460.52	1/4	2,102.66	1/4	1,744.79	1/4	1,386.93	1/4	1,029.22	1/4	671.75	1/4	313.90	1/4		1/4		1/4	
1/2	2,453.06	1/2	2,095.20	1/2	1,737.34	1/2	1,379.47	1/2	1,021.78	1/2	664.30	1/2	306.44	1/2		1/2		1/2	
3/4	2,445.61	3/4	2,087.74	3/4	1,729.88	3/4	1,372.02	3/4	1,014.34	3/4	656.84	3/4	298.99	3/4		3/4		3/4	
6	2,438.15	6	2,080.29	6	1,722.42	6	1,364.56	6	1,006.90	6	649.39	6	291.53	6		6		6	
1/4	2,430.70	1/4	2,072.83	1/4	1,714.97	1/4	1,357.11	1/4	999.46	1/4	641.93	1/4	284.08	1/4		1/4		1/4	
1/2	2,423.24	1/2	2,065.38	1/2	1,707.51	1/2	1,349.65	1/2	992.02	1/2	634.48	1/2	276.62	1/2		1/2		1/2	
3/4	2,415.79	3/4	2,057.92	3/4	1,700.06	3/4	1,342.19	3/4	984.58	3/4	627.02	3/4	269.17	3/4		3/4		3/4	
7	2,408.33	7	2,050.47	7	1,692.60	7	1,334.74	7	977.14	7	619.57	7	261.71	7		7		7	
1/4	2,400.88	1/4	2,043.01	1/4	1,685.15	1/4	1,327.28	1/4	969.69	1/4	612.11	1/4	254.26	1/4		1/4		1/4	
1/2	2,393.42	1/2	2,035.56	1/2	1,677.69	1/2	1,319.83	1/2	962.25	1/2	604.66	1/2	246.80	1/2		1/2		1/2	
3/4	2,385.96	3/4	2,028.10	3/4	1,670.24	3/4	1,312.37	3/4	954.81	3/4	597.20	3/4	239.35	3/4		3/4		3/4	
8	2,378.51	8	2,020.64	8	1,662.78	8	1,304.92	8	947.37	8	589.75	8	231.89	8		8		8	
1/4	2,371.05	1/4	2,013.19	1/4	1,655.33	1/4	1,297.46	1/4	939.93	1/4	582.29	1/4	224.44	1/4		1/4		1/4	
1/2	2,363.60	1/2	2,005.73	1/2	1,647.87	1/2	1,290.01	1/2	932.49	1/2	574.84	1/2	216.98	1/2		1/2		1/2	
3/4	2,356.14	3/4	1,998.28	3/4	1,640.41	3/4	1,282.55	3/4	925.05	3/4	567.38	3/4	209.53	3/4		3/4		3/4	
9	2,348.69	9	1,990.82	9	1,632.96	9	1,275.09	9	917.61	9	559.92	9	202.07	9		9		9	
1/4	2,341.23	1/4	1,983.37	1/4	1,625.50	1/4	1,267.64	1/4	910.17	1/4	552.47	1/4	194.62	1/4		1/4		1/4	
1/2	2,333.78	1/2	1,975.91	1/2	1,618.05	1/2	1,260.18	1/2	902.73	1/2	545.01	1/2	187.16	1/2		1/2		1/2	
3/4	2,326.32	3/4	1,968.46	3/4	1,610.59	3/4	1,252.73	3/4	895.29	3/4	537.56	3/4	179.70	3/4		3/4		3/4	
10	2,318.86	10	1,961.00	10	1,603.14	10	1,245.27	10	887.85	10	530.10	10	172.25	10		10		10	
1/4	2,311.41	1/4	1,953.55	1/4	1,595.68	1/4	1,237.82	1/4	880.41	1/4	522.65	1/4	164.79	1/4		1/4		1/4	
1/2	2,303.95	1/2	1,946.09	1/2	1,588.23	1/2	1,230.36	1/2	872.97	1/2	515.19	1/2	157.34	1/2		1/2		1/2	
3/4	2,296.50	3/4	1,938.63	3/4	1,580.77	3/4	1,222.91	3/4	865.53	3/4	507.74	3/4	149.88	3/4		3/4		3/4	
11	2,289.04	11	1,931.18	11	1,573.31	11	1,215.45	11	858.09	11	500.28	11	142.43	11		11		11	
1/4	2,281.59	1/4	1,923.72	1/4	1,565.86	1/4	1,208.00	1/4	850.65	1/4	492.83	1/4	134.97	1/4		1/4		1/4	
1/2	2,274.13	1/2	1,916.27	1/2	1,558.40	1/2	1,200.54	1/2	843.21	1/2	485.37	1/2	127.52	1/2		1/2		1/2	
3/4	2,266.68	3/4	1,908.81	3/4	1,550.95	3/4	1,193.08	3/4	835.76	3/4	477.92	3/4	120.06	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/26/2013 SW  
RECALCULATED: 09/12/2023 CL  
PRINTED: 09/12/2023 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2023

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



# BARGE "KIRBY 29167"

INNAGE "HERMETIC"  
FORMERLY "SMI 30050"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 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"

LENGTH BETWEEN DRAFT MARKS: 235'-09"

September 12, 2023

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 29167"

# 1 PORT INNAGE TABLE "HERMETIC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30050"

GAUGE HEIGHT 17'-03 1/2"

	0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.
0	18.77	311.50	662.24	1,019.39	1,377.66	1,736.48	2,095.30	2,454.12	2,812.94	3,171.64
1/4	22.30	318.42	669.72	1,026.82	1,385.14	1,743.96	2,102.78	2,461.60	2,820.42	3,179.11
1/2	25.83	325.35	677.19	1,034.25	1,392.62	1,751.43	2,110.25	2,469.07	2,827.89	3,186.58
3/4	29.36	332.27	684.67	1,041.68	1,400.09	1,758.91	2,117.73	2,476.55	2,835.37	3,194.06
1	32.89	339.19	692.14	1,049.11	1,407.57	1,766.39	2,125.20	2,484.02	2,842.84	3,201.53
1/4	38.15	346.21	699.62	1,056.55	1,415.04	1,773.86	2,132.68	2,491.50	2,850.32	3,209.00
1/2	43.40	353.22	707.09	1,063.99	1,422.52	1,781.34	2,140.16	2,498.97	2,857.79	3,216.47
3/4	48.66	360.23	714.57	1,071.42	1,429.99	1,788.81	2,147.63	2,506.45	2,865.27	3,223.94
2	53.91	367.24	722.04	1,078.86	1,437.47	1,796.29	2,155.11	2,513.93	2,872.74	3,231.41
1/4	59.95	374.35	729.52	1,086.30	1,444.94	1,803.76	2,162.58	2,521.40	2,880.22	3,238.88
1/2	66.00	381.45	736.99	1,093.75	1,452.42	1,811.24	2,170.06	2,528.88	2,887.70	3,246.36
3/4	72.04	388.55	744.47	1,101.19	1,459.89	1,818.71	2,177.53	2,536.35	2,895.17	3,253.83
3	78.08	395.65	751.94	1,108.64	1,467.37	1,826.19	2,185.01	2,543.83	2,902.65	3,261.30
1/4	84.21	402.84	759.41	1,116.09	1,474.85	1,833.66	2,192.48	2,551.30	2,910.12	3,268.77
1/2	90.34	410.02	766.87	1,123.55	1,482.32	1,841.14	2,199.96	2,558.78	2,917.60	3,276.24
3/4	96.48	417.21	774.33	1,131.00	1,489.80	1,848.62	2,207.43	2,566.25	2,925.08	3,283.71
4	102.61	424.40	781.80	1,138.45	1,497.27	1,856.09	2,214.91	2,573.73	2,932.56	3,291.18
1/4	108.83	431.68	789.22	1,145.93	1,504.75	1,863.57	2,222.39	2,581.20	2,940.03	3,298.65
1/2	115.05	438.96	796.65	1,153.40	1,512.22	1,871.04	2,229.86	2,588.68	2,947.50	3,306.13
3/4	121.27	446.23	804.07	1,160.88	1,519.70	1,878.52	2,237.34	2,596.15	2,954.97	3,313.60
5	127.48	453.51	811.49	1,168.35	1,527.17	1,885.99	2,244.81	2,603.63	2,962.44	3,321.07
1/4	133.79	460.88	818.92	1,175.83	1,534.65	1,893.47	2,252.29	2,611.11	2,969.91	3,328.54
1/2	140.10	468.24	826.34	1,183.30	1,542.12	1,900.94	2,259.76	2,618.58	2,977.38	3,336.01
3/4	146.41	475.61	833.77	1,190.78	1,549.60	1,908.42	2,267.24	2,626.06	2,984.86	3,343.48
6	152.71	482.97	841.19	1,198.26	1,557.07	1,915.89	2,274.71	2,633.53	2,992.33	3,350.95
1/4	159.11	490.41	848.62	1,205.73	1,564.55	1,923.37	2,282.19	2,641.01	2,999.80	3,358.43
1/2	165.51	497.85	856.04	1,213.21	1,572.03	1,930.84	2,289.66	2,648.48	3,007.27	3,365.90
3/4	171.90	505.30	863.47	1,220.68	1,579.50	1,938.32	2,297.14	2,655.96	3,014.74	3,373.37
7	178.30	512.74	870.89	1,228.16	1,586.98	1,945.80	2,304.61	2,663.43	3,022.21	3,380.84
1/4	184.78	520.21	878.31	1,235.63	1,594.45	1,953.27	2,312.09	2,670.91	3,029.68	3,388.31
1/2	191.26	527.69	885.74	1,243.11	1,601.93	1,960.75	2,319.57	2,678.38	3,037.16	3,395.78
3/4	197.75	535.16	893.16	1,250.58	1,609.40	1,968.22	2,327.04	2,685.86	3,044.63	3,403.25
8	204.23	542.64	900.59	1,258.06	1,616.88	1,975.70	2,334.52	2,693.34	3,052.10	3,410.73
1/4	210.80	550.11	908.01	1,265.53	1,624.35	1,983.17	2,341.99	2,700.81	3,059.57	3,418.20
1/2	217.38	557.59	915.44	1,273.01	1,631.83	1,990.65	2,349.47	2,708.29	3,067.04	3,425.67
3/4	223.95	565.06	922.86	1,280.48	1,639.30	1,998.12	2,356.94	2,715.76	3,074.51	3,433.14
9	230.52	572.54	930.29	1,287.96	1,646.78	2,005.60	2,364.42	2,723.24	3,081.98	3,440.61
1/4	237.18	580.02	937.71	1,295.44	1,654.25	2,013.07	2,371.89	2,730.71	3,089.46	3,448.08
1/2	243.84	587.49	945.13	1,302.91	1,661.73	2,020.55	2,379.37	2,738.19	3,096.93	3,455.55
3/4	250.50	594.97	952.56	1,310.39	1,669.21	2,028.02	2,386.84	2,745.66	3,104.40	3,463.03
10	257.16	602.44	959.98	1,317.86	1,676.68	2,035.50	2,394.32	2,753.14	3,111.87	3,470.50
1/4	263.91	609.92	967.41	1,325.34	1,684.16	2,042.98	2,401.79	2,760.61	3,119.34	3,477.97
1/2	270.66	617.39	974.83	1,332.81	1,691.63	2,050.45	2,409.27	2,768.09	3,126.81	3,485.44
3/4	277.40	624.87	982.26	1,340.29	1,699.11	2,057.93	2,416.75	2,775.56	3,134.28	3,492.91
11	284.15	632.34	989.68	1,347.76	1,706.58	2,065.40	2,424.22	2,783.04	3,141.76	3,500.38
1/4	290.99	639.82	997.11	1,355.24	1,714.06	2,072.88	2,431.70	2,790.52	3,149.23	3,507.85
1/2	297.82	647.29	1,004.53	1,362.71	1,721.53	2,080.35	2,439.17	2,797.99	3,156.70	3,515.33
3/4	304.66	654.77	1,011.96	1,370.19	1,729.01	2,087.83	2,446.65	2,805.47	3,164.17	3,522.80

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN WITH "HERMETIC" GAUGE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

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# BARGE "KIRBY 29167"

## 1 PORT INNAGE TABLE "HERMETIC"

CONTAINS 30.47 CUBIC METERS OR 850.0 GALLONS OF 42 U.S. GALLONS

FORMERLY "SMI 30050"

GAUGE HEIGHT 17'-03 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,530.27	0	3,888.90	0	4,247.52	0	4,605.35	0	4,960.84	0		0		0		0		0	
1/4	3,537.74	1/4	3,896.37	1/4	4,254.99	1/4	4,612.80	1/4	4,967.45	1/4		1/4		1/4		1/4		1/4	
1/2	3,545.21	1/2	3,903.84	1/2	4,262.47	1/2	4,620.25	1/2	4,974.06	1/2		1/2		1/2		1/2		1/2	
3/4	3,552.68	3/4	3,911.31	3/4	4,269.94	3/4	4,627.70	3/4	4,980.68	3/4		3/4		3/4		3/4		3/4	
1	3,560.15	1	3,918.78	1	4,277.41	1	4,635.15	1	4,987.29	1		1		1		1		1	
1/4	3,567.63	1/4	3,926.25	1/4	4,284.88	1/4	4,642.59	1/4	4,992.83	1/4		1/4		1/4		1/4		1/4	
1/2	3,575.10	1/2	3,933.72	1/2	4,292.35	1/2	4,650.03	1/2	4,998.38	1/2		1/2		1/2		1/2		1/2	
3/4	3,582.57	3/4	3,941.20	3/4	4,299.82	3/4	4,657.47	3/4	5,003.92	3/4		3/4		3/4		3/4		3/4	
2	3,590.04	2	3,948.67	2	4,307.29	2	4,664.91	2	5,009.47	2		2		2		2		2	
1/4	3,597.51	1/4	3,956.14	1/4	4,314.76	1/4	4,672.32	1/4	5,013.95	1/4		1/4		1/4		1/4		1/4	
1/2	3,604.98	1/2	3,963.61	1/2	4,322.23	1/2	4,679.73	1/2	5,018.42	1/2		1/2		1/2		1/2		1/2	
3/4	3,612.45	3/4	3,971.08	3/4	4,329.69	3/4	4,687.14	3/4	5,022.90	3/4		3/4		3/4		3/4		3/4	
3	3,619.93	3	3,978.55	3	4,337.16	3	4,694.55	3		3		3		3		3		3	
1/4	3,627.40	1/4	3,986.02	1/4	4,344.61	1/4	4,701.96	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,634.87	1/2	3,993.50	1/2	4,352.06	1/2	4,709.37	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,642.34	3/4	4,000.97	3/4	4,359.51	3/4	4,716.78	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,649.81	4	4,008.44	4	4,366.96	4	4,724.19	4		4		4		4		4		4	
1/4	3,657.28	1/4	4,015.91	1/4	4,374.41	1/4	4,731.60	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,664.75	1/2	4,023.38	1/2	4,381.86	1/2	4,739.01	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,672.22	3/4	4,030.85	3/4	4,389.31	3/4	4,746.42	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,679.70	5	4,038.32	5	4,396.76	5	4,753.83	5		5		5		5		5		5	
1/4	3,687.17	1/4	4,045.79	1/4	4,404.21	1/4	4,761.24	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,694.64	1/2	4,053.27	1/2	4,411.66	1/2	4,768.65	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,702.11	3/4	4,060.74	3/4	4,419.11	3/4	4,776.06	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,709.58	6	4,068.21	6	4,426.56	6	4,783.47	6		6		6		6		6		6	
1/4	3,717.05	1/4	4,075.68	1/4	4,434.01	1/4	4,790.88	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,724.52	1/2	4,083.15	1/2	4,441.46	1/2	4,798.29	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,732.00	3/4	4,090.62	3/4	4,448.91	3/4	4,805.70	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,739.47	7	4,098.09	7	4,456.36	7	4,813.11	7		7		7		7		7		7	
1/4	3,746.94	1/4	4,105.57	1/4	4,463.81	1/4	4,820.52	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,754.41	1/2	4,113.04	1/2	4,471.26	1/2	4,827.93	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,761.88	3/4	4,120.51	3/4	4,478.71	3/4	4,835.34	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,769.35	8	4,127.98	8	4,486.16	8	4,842.75	8		8		8		8		8		8	
1/4	3,776.82	1/4	4,135.45	1/4	4,493.61	1/4	4,850.17	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,784.30	1/2	4,142.92	1/2	4,501.06	1/2	4,857.58	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,791.77	3/4	4,150.39	3/4	4,508.51	3/4	4,864.99	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,799.24	9	4,157.87	9	4,515.95	9	4,872.41	9		9		9		9		9		9	
1/4	3,806.71	1/4	4,165.34	1/4	4,523.40	1/4	4,879.82	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,814.18	1/2	4,172.81	1/2	4,530.85	1/2	4,887.24	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,821.65	3/4	4,180.28	3/4	4,538.30	3/4	4,894.65	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,829.12	10	4,187.75	10	4,545.75	10	4,902.06	10		10		10		10		10		10	
1/4	3,836.60	1/4	4,195.22	1/4	4,553.20	1/4	4,909.48	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,844.07	1/2	4,202.69	1/2	4,560.65	1/2	4,916.89	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,851.54	3/4	4,210.17	3/4	4,568.10	3/4	4,924.31	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,859.01	11	4,217.64	11	4,575.55	11	4,931.72	11		11		11		11		11		11	
1/4	3,866.48	1/4	4,225.11	1/4	4,583.00	1/4	4,939.00	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,873.95	1/2	4,232.58	1/2	4,590.45	1/2	4,946.28	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,881.42	3/4	4,240.05	3/4	4,597.90	3/4	4,953.56	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/26/2013 SW  
RECALCULATED: 09/12/2023 CL  
PRINTED: 09/12/2023 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2023

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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







# BARGE "KIRBY 29167"

## 1 STBD INNAGE TABLE "HERMETIC"

CONTAINS 111 BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30050"

GAUGE HEIGHT 17'-03 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,530.19	0	3,888.64	0	4,247.10	0	4,604.73	0	4,960.04	0		0		0		0		0	
1/4	3,537.66	1/4	3,896.11	1/4	4,254.57	1/4	4,612.18	1/4	4,966.65	1/4		1/4		1/4		1/4		1/4	
1/2	3,545.13	1/2	3,903.58	1/2	4,262.03	1/2	4,619.63	1/2	4,973.26	1/2		1/2		1/2		1/2		1/2	
3/4	3,552.59	3/4	3,911.05	3/4	4,269.50	3/4	4,627.07	3/4	4,979.87	3/4		3/4		3/4		3/4		3/4	
1	3,560.06	1	3,918.52	1	4,276.97	1	4,634.52	1	4,986.48	1		1		1		1		1	
1/4	3,567.53	1/4	3,925.98	1/4	4,284.44	1/4	4,641.95	1/4	4,992.02	1/4		1/4		1/4		1/4		1/4	
1/2	3,575.00	1/2	3,933.45	1/2	4,291.91	1/2	4,649.39	1/2	4,997.56	1/2		1/2		1/2		1/2		1/2	
3/4	3,582.46	3/4	3,940.92	3/4	4,299.37	3/4	4,656.82	3/4	5,003.10	3/4		3/4		3/4		3/4		3/4	
2	3,589.93	2	3,948.39	2	4,306.84	2	4,664.26	2	5,008.65	2		2		2		2		2	
1/4	3,597.40	1/4	3,955.85	1/4	4,314.30	1/4	4,671.66	1/4	5,013.12	1/4		1/4		1/4		1/4		1/4	
1/2	3,604.87	1/2	3,963.32	1/2	4,321.76	1/2	4,679.07	1/2	5,017.60	1/2		1/2		1/2		1/2		1/2	
3/4	3,612.34	3/4	3,970.79	3/4	4,329.22	3/4	4,686.48	3/4	5,022.07	3/4		3/4		3/4		3/4		3/4	
3	3,619.80	3	3,978.26	3	4,336.67	3	4,693.88	3		3		3		3		3		3	
1/4	3,627.27	1/4	3,985.73	1/4	4,344.12	1/4	4,701.29	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,634.74	1/2	3,993.19	1/2	4,351.57	1/2	4,708.69	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,642.21	3/4	4,000.66	3/4	4,359.01	3/4	4,716.10	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,649.67	4	4,008.13	4	4,366.46	4	4,723.51	4		4		4		4		4		4	
1/4	3,657.14	1/4	4,015.60	1/4	4,373.90	1/4	4,730.91	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,664.61	1/2	4,023.06	1/2	4,381.35	1/2	4,738.32	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,672.08	3/4	4,030.53	3/4	4,388.80	3/4	4,745.73	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,679.55	5	4,038.00	5	4,396.24	5	4,753.13	5		5		5		5		5		5	
1/4	3,687.01	1/4	4,045.47	1/4	4,403.69	1/4	4,760.54	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,694.48	1/2	4,052.94	1/2	4,411.13	1/2	4,767.94	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,701.95	3/4	4,060.40	3/4	4,418.58	3/4	4,775.35	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,709.42	6	4,067.87	6	4,426.03	6	4,782.76	6		6		6		6		6		6	
1/4	3,716.89	1/4	4,075.34	1/4	4,433.47	1/4	4,790.16	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,724.35	1/2	4,082.81	1/2	4,440.92	1/2	4,797.57	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,731.82	3/4	4,090.28	3/4	4,448.37	3/4	4,804.98	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,739.29	7	4,097.74	7	4,455.81	7	4,812.38	7		7		7		7		7		7	
1/4	3,746.76	1/4	4,105.21	1/4	4,463.26	1/4	4,819.79	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,754.22	1/2	4,112.68	1/2	4,470.70	1/2	4,827.20	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,761.69	3/4	4,120.15	3/4	4,478.15	3/4	4,834.60	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,769.16	8	4,127.61	8	4,485.60	8	4,842.01	8		8		8		8		8		8	
1/4	3,776.63	1/4	4,135.08	1/4	4,493.04	1/4	4,849.42	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,784.10	1/2	4,142.55	1/2	4,500.49	1/2	4,856.83	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,791.56	3/4	4,150.02	3/4	4,507.93	3/4	4,864.24	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,799.03	9	4,157.49	9	4,515.38	9	4,871.65	9		9		9		9		9		9	
1/4	3,806.50	1/4	4,164.95	1/4	4,522.83	1/4	4,879.06	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,813.97	1/2	4,172.42	1/2	4,530.27	1/2	4,886.47	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,821.43	3/4	4,179.89	3/4	4,537.72	3/4	4,893.88	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,828.90	10	4,187.36	10	4,545.16	10	4,901.29	10		10		10		10		10		10	
1/4	3,836.37	1/4	4,194.82	1/4	4,552.61	1/4	4,908.70	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,843.84	1/2	4,202.29	1/2	4,560.06	1/2	4,916.11	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,851.31	3/4	4,209.76	3/4	4,567.50	3/4	4,923.52	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,858.77	11	4,217.23	11	4,574.95	11	4,930.93	11		11		11		11		11		11	
1/4	3,866.24	1/4	4,224.70	1/4	4,582.40	1/4	4,938.21	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,873.71	1/2	4,232.16	1/2	4,589.84	1/2	4,945.49	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,881.18	3/4	4,239.63	3/4	4,597.29	3/4	4,952.76	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/26/2013 SW  
RECALCULATED: 09/12/2023 CL  
PRINTED: 09/12/2023 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2023

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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





# BARGE "KIRBY 29167"

## 2 PORT INNAGE TABLE "HERMETIC"

CONTAINS 111 BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30050"

GAUGE HEIGHT 17'-03 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,583.50	0	3,942.30	0	4,301.11	0	4,659.10	0	5,014.76	0		0		0		0		0	
1/4	3,590.97	1/4	3,949.78	1/4	4,308.58	1/4	4,666.55	1/4	5,021.38	1/4		1/4		1/4		1/4		1/4	
1/2	3,598.45	1/2	3,957.25	1/2	4,316.06	1/2	4,674.01	1/2	5,027.99	1/2		1/2		1/2		1/2		1/2	
3/4	3,605.92	3/4	3,964.73	3/4	4,323.53	3/4	4,681.46	3/4	5,034.61	3/4		3/4		3/4		3/4		3/4	
1	3,613.40	1	3,972.20	1	4,331.01	1	4,688.91	1	5,041.22	1		1		1		1		1	
1/4	3,620.87	1/4	3,979.68	1/4	4,338.48	1/4	4,696.36	1/4	5,046.77	1/4		1/4		1/4		1/4		1/4	
1/2	3,628.35	1/2	3,987.15	1/2	4,345.96	1/2	4,703.80	1/2	5,052.32	1/2		1/2		1/2		1/2		1/2	
3/4	3,635.82	3/4	3,994.63	3/4	4,353.43	3/4	4,711.24	3/4	5,057.87	3/4		3/4		3/4		3/4		3/4	
2	3,643.30	2	4,002.10	2	4,360.91	2	4,718.69	2	5,063.41	2		2		2		2		2	
1/4	3,650.77	1/4	4,009.58	1/4	4,368.38	1/4	4,726.10	1/4	5,067.89	1/4		1/4		1/4		1/4		1/4	
1/2	3,658.25	1/2	4,017.05	1/2	4,375.84	1/2	4,733.51	1/2	5,072.37	1/2		1/2		1/2		1/2		1/2	
3/4	3,665.72	3/4	4,024.53	3/4	4,383.31	3/4	4,740.93	3/4	5,076.85	3/4		3/4		3/4		3/4		3/4	
3	3,673.20	3	4,032.00	3	4,390.78	3	4,748.34	3		3		3		3		3		3	
1/4	3,680.68	1/4	4,039.48	1/4	4,398.23	1/4	4,755.75	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,688.15	1/2	4,046.96	1/2	4,405.69	1/2	4,763.17	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,695.63	3/4	4,054.43	3/4	4,413.14	3/4	4,770.58	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,703.10	4	4,061.91	4	4,420.59	4	4,777.99	4		4		4		4		4		4	
1/4	3,710.58	1/4	4,069.38	1/4	4,428.05	1/4	4,785.41	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,718.05	1/2	4,076.86	1/2	4,435.50	1/2	4,792.82	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,725.53	3/4	4,084.33	3/4	4,442.95	3/4	4,800.24	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,733.00	5	4,091.81	5	4,450.41	5	4,807.65	5		5		5		5		5		5	
1/4	3,740.48	1/4	4,099.28	1/4	4,457.86	1/4	4,815.06	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,747.95	1/2	4,106.76	1/2	4,465.31	1/2	4,822.48	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,755.43	3/4	4,114.23	3/4	4,472.77	3/4	4,829.89	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,762.90	6	4,121.71	6	4,480.22	6	4,837.30	6		6		6		6		6		6	
1/4	3,770.38	1/4	4,129.18	1/4	4,487.67	1/4	4,844.72	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,777.85	1/2	4,136.66	1/2	4,495.13	1/2	4,852.13	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,785.33	3/4	4,144.13	3/4	4,502.58	3/4	4,859.54	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,792.80	7	4,151.61	7	4,510.03	7	4,866.96	7		7		7		7		7		7	
1/4	3,800.28	1/4	4,159.08	1/4	4,517.49	1/4	4,874.37	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,807.75	1/2	4,166.56	1/2	4,524.94	1/2	4,881.79	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,815.23	3/4	4,174.03	3/4	4,532.39	3/4	4,889.20	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,822.70	8	4,181.51	8	4,539.85	8	4,896.62	8		8		8		8		8		8	
1/4	3,830.18	1/4	4,188.98	1/4	4,547.30	1/4	4,904.03	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,837.65	1/2	4,196.46	1/2	4,554.75	1/2	4,911.45	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,845.13	3/4	4,203.93	3/4	4,562.21	3/4	4,918.87	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,852.60	9	4,211.41	9	4,569.66	9	4,926.29	9		9		9		9		9		9	
1/4	3,860.08	1/4	4,218.88	1/4	4,577.11	1/4	4,933.71	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,867.55	1/2	4,226.36	1/2	4,584.57	1/2	4,941.12	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,875.03	3/4	4,233.83	3/4	4,592.02	3/4	4,948.54	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,882.50	10	4,241.31	10	4,599.47	10	4,955.96	10		10		10		10		10		10	
1/4	3,889.98	1/4	4,248.78	1/4	4,606.93	1/4	4,963.38	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,897.45	1/2	4,256.26	1/2	4,614.38	1/2	4,970.79	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,904.93	3/4	4,263.73	3/4	4,621.83	3/4	4,978.21	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,912.40	11	4,271.21	11	4,629.29	11	4,985.63	11		11		11		11		11		11	
1/4	3,919.88	1/4	4,278.68	1/4	4,636.74	1/4	4,992.91	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,927.35	1/2	4,286.16	1/2	4,644.19	1/2	5,000.20	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,934.83	3/4	4,293.63	3/4	4,651.65	3/4	5,007.48	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/26/2013 SW  
RECALCULATED: 09/12/2023 CL  
PRINTED: 09/12/2023 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2023

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





# BARGE "KIRBY 29167"

**2 STBD  
INNAGE TABLE  
"HERMETIC"  
GAUGE HEIGHT 17'-04"**

CONTAINS 111 BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30050"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,599.15	0	3,958.13	0	4,317.10	0	4,675.27	0	5,031.11	0		0		0		0		0	
1/4	3,606.63	1/4	3,965.60	1/4	4,324.58	1/4	4,682.73	1/4	5,037.73	1/4		1/4		1/4		1/4		1/4	
1/2	3,614.11	1/2	3,973.08	1/2	4,332.06	1/2	4,690.19	1/2	5,044.35	1/2		1/2		1/2		1/2		1/2	
3/4	3,621.58	3/4	3,980.56	3/4	4,339.54	3/4	4,697.64	3/4	5,050.97	3/4		3/4		3/4		3/4		3/4	
1	3,629.06	1	3,988.04	1	4,347.02	1	4,705.10	1	5,057.59	1		1		1		1		1	
1/4	3,636.54	1/4	3,995.52	1/4	4,354.50	1/4	4,712.55	1/4	5,063.14	1/4		1/4		1/4		1/4		1/4	
1/2	3,644.02	1/2	4,003.00	1/2	4,361.98	1/2	4,719.99	1/2	5,068.69	1/2		1/2		1/2		1/2		1/2	
3/4	3,651.50	3/4	4,010.48	3/4	4,369.45	3/4	4,727.44	3/4	5,074.24	3/4		3/4		3/4		3/4		3/4	
2	3,658.98	2	4,017.96	2	4,376.93	2	4,734.89	2	5,079.79	2		2		2		2		2	
1/4	3,666.46	1/4	4,025.43	1/4	4,384.40	1/4	4,742.31	1/4	5,084.27	1/4		1/4		1/4		1/4		1/4	
1/2	3,673.93	1/2	4,032.91	1/2	4,391.88	1/2	4,749.72	1/2	5,088.75	1/2		1/2		1/2		1/2		1/2	
3/4	3,681.41	3/4	4,040.39	3/4	4,399.35	3/4	4,757.14	3/4	5,093.24	3/4		3/4		3/4		3/4		3/4	
3	3,688.89	3	4,047.87	3	4,406.82	3	4,764.56	3		3		3		3		3		3	
1/4	3,696.37	1/4	4,055.35	1/4	4,414.28	1/4	4,771.97	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,703.85	1/2	4,062.83	1/2	4,421.73	1/2	4,779.39	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,711.33	3/4	4,070.31	3/4	4,429.19	3/4	4,786.81	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,718.81	4	4,077.78	4	4,436.65	4	4,794.23	4		4		4		4		4		4	
1/4	3,726.29	1/4	4,085.26	1/4	4,444.11	1/4	4,801.64	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,733.76	1/2	4,092.74	1/2	4,451.56	1/2	4,809.06	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,741.24	3/4	4,100.22	3/4	4,459.02	3/4	4,816.48	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,748.72	5	4,107.70	5	4,466.48	5	4,823.89	5		5		5		5		5		5	
1/4	3,756.20	1/4	4,115.18	1/4	4,473.93	1/4	4,831.31	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,763.68	1/2	4,122.66	1/2	4,481.39	1/2	4,838.73	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,771.16	3/4	4,130.14	3/4	4,488.85	3/4	4,846.15	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,778.64	6	4,137.61	6	4,496.30	6	4,853.56	6		6		6		6		6		6	
1/4	3,786.12	1/4	4,145.09	1/4	4,503.76	1/4	4,860.98	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,793.59	1/2	4,152.57	1/2	4,511.22	1/2	4,868.40	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,801.07	3/4	4,160.05	3/4	4,518.68	3/4	4,875.81	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,808.55	7	4,167.53	7	4,526.13	7	4,883.23	7		7		7		7		7		7	
1/4	3,816.03	1/4	4,175.01	1/4	4,533.59	1/4	4,890.65	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,823.51	1/2	4,182.49	1/2	4,541.05	1/2	4,898.07	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,830.99	3/4	4,189.97	3/4	4,548.50	3/4	4,905.49	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,838.47	8	4,197.44	8	4,555.96	8	4,912.91	8		8		8		8		8		8	
1/4	3,845.94	1/4	4,204.92	1/4	4,563.42	1/4	4,920.33	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,853.42	1/2	4,212.40	1/2	4,570.87	1/2	4,927.75	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,860.90	3/4	4,219.88	3/4	4,578.33	3/4	4,935.17	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,868.38	9	4,227.36	9	4,585.79	9	4,942.59	9		9		9		9		9		9	
1/4	3,875.86	1/4	4,234.84	1/4	4,593.25	1/4	4,950.01	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,883.34	1/2	4,242.32	1/2	4,600.70	1/2	4,957.43	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,890.82	3/4	4,249.79	3/4	4,608.16	3/4	4,964.85	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,898.30	10	4,257.27	10	4,615.62	10	4,972.27	10		10		10		10		10		10	
1/4	3,905.77	1/4	4,264.75	1/4	4,623.07	1/4	4,979.70	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,913.25	1/2	4,272.23	1/2	4,630.53	1/2	4,987.12	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,920.73	3/4	4,279.71	3/4	4,637.99	3/4	4,994.54	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,928.21	11	4,287.19	11	4,645.45	11	5,001.96	11		11		11		11		11		11	
1/4	3,935.69	1/4	4,294.67	1/4	4,652.90	1/4	5,009.25	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,943.17	1/2	4,302.15	1/2	4,660.36	1/2	5,016.54	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,950.65	3/4	4,309.62	3/4	4,667.82	3/4	5,023.82	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/26/2013 SW  
RECALCULATED: 09/12/2023 CL  
PRINTED: 09/12/2023 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2023

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





# BARGE "KIRBY 29167"

## 3 PORT INNAGE TABLE "HERMETIC" GAUGE HEIGHT 17'-04"

CONTAINS 30 BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30050"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,562.77	0	3,790.64	0	4,009.85	0	4,228.54	0	4,445.45	0		0		0		0		0	
1/4	3,569.50	1/4	3,795.20	1/4	4,014.42	1/4	4,233.09	1/4	4,449.18	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,576.23	1/2	3,799.77	1/2	4,018.99	1/2	4,237.64	1/2	4,452.91	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,582.96	3/4	3,804.34	3/4	4,023.55	3/4	4,242.19	3/4	4,456.64	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	3,589.69	1	3,808.91	1	4,028.12	1	4,246.75	1	4,460.37	1	1	1	1	1	1	1	1	1	1
1/4	3,594.26	1/4	3,813.47	1/4	4,032.69	1/4	4,251.29	1/4	4,463.03	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,598.82	1/2	3,818.04	1/2	4,037.26	1/2	4,255.84	1/2	4,465.69	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,603.39	3/4	3,822.61	3/4	4,041.82	3/4	4,260.38	3/4	4,468.36	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	3,607.96	2	3,827.17	2	4,046.39	2	4,264.93	2	4,471.02	2	2	2	2	2	2	2	2	2	2
1/4	3,612.52	1/4	3,831.74	1/4	4,050.95	1/4	4,269.46	1/4	4,472.87	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,617.09	1/2	3,836.31	1/2	4,055.52	1/2	4,273.98	1/2	4,474.72	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,621.66	3/4	3,840.87	3/4	4,060.08	3/4	4,278.51	3/4	4,476.57	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3,626.23	3	3,845.44	3	4,064.65	3	4,283.03	3		3	3	3	3	3	3	3	3	3	3
1/4	3,630.79	1/4	3,850.01	1/4	4,069.20	1/4	4,287.56	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,635.36	1/2	3,854.58	1/2	4,073.75	1/2	4,292.08	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,639.93	3/4	3,859.14	3/4	4,078.30	3/4	4,296.61	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	3,644.49	4	3,863.71	4	4,082.86	4	4,301.13	4	4	4	4	4	4	4	4	4	4	4	4
1/4	3,649.06	1/4	3,868.28	1/4	4,087.41	1/4	4,305.66	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,653.63	1/2	3,872.84	1/2	4,091.96	1/2	4,310.18	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,658.19	3/4	3,877.41	3/4	4,096.51	3/4	4,314.71	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	3,662.76	5	3,881.98	5	4,101.07	5	4,319.23	5	5	5	5	5	5	5	5	5	5	5	5
1/4	3,667.33	1/4	3,886.54	1/4	4,105.62	1/4	4,323.76	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,671.90	1/2	3,891.11	1/2	4,110.17	1/2	4,328.28	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,676.46	3/4	3,895.68	3/4	4,114.72	3/4	4,332.81	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	3,681.03	6	3,900.25	6	4,119.28	6	4,337.33	6	6	6	6	6	6	6	6	6	6	6	6
1/4	3,685.60	1/4	3,904.81	1/4	4,123.83	1/4	4,341.86	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,690.16	1/2	3,909.38	1/2	4,128.38	1/2	4,346.38	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,694.73	3/4	3,913.95	3/4	4,132.93	3/4	4,350.91	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	3,699.30	7	3,918.51	7	4,137.49	7	4,355.44	7	7	7	7	7	7	7	7	7	7	7	7
1/4	3,703.86	1/4	3,923.08	1/4	4,142.04	1/4	4,359.96	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,708.43	1/2	3,927.65	1/2	4,146.59	1/2	4,364.49	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,713.00	3/4	3,932.21	3/4	4,151.14	3/4	4,369.01	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	3,717.57	8	3,936.78	8	4,155.70	8	4,373.54	8	8	8	8	8	8	8	8	8	8	8	8
1/4	3,722.13	1/4	3,941.35	1/4	4,160.25	1/4	4,378.07	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,726.70	1/2	3,945.92	1/2	4,164.80	1/2	4,382.59	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,731.27	3/4	3,950.48	3/4	4,169.35	3/4	4,387.12	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	3,735.83	9	3,955.05	9	4,173.91	9	4,391.65	9	9	9	9	9	9	9	9	9	9	9	9
1/4	3,740.40	1/4	3,959.62	1/4	4,178.46	1/4	4,396.18	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,744.97	1/2	3,964.18	1/2	4,183.01	1/2	4,400.71	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,749.53	3/4	3,968.75	3/4	4,187.56	3/4	4,405.23	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	3,754.10	10	3,973.32	10	4,192.12	10	4,409.76	10	10	10	10	10	10	10	10	10	10	10	10
1/4	3,758.67	1/4	3,977.88	1/4	4,196.67	1/4	4,414.29	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,763.24	1/2	3,982.45	1/2	4,201.22	1/2	4,418.82	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,767.80	3/4	3,987.02	3/4	4,205.77	3/4	4,423.35	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	3,772.37	11	3,991.59	11	4,210.33	11	4,427.87	11	11	11	11	11	11	11	11	11	11	11	11
1/4	3,776.94	1/4	3,996.15	1/4	4,214.88	1/4	4,432.27	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,781.50	1/2	4,000.72	1/2	4,219.43	1/2	4,436.66	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,786.07	3/4	4,005.29	3/4	4,223.98	3/4	4,441.06	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/26/2013 SW  
RECALCULATED: 09/12/2023 CL  
PRINTED: 09/12/2023 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2023

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
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# BARGE "KIRBY 29167"

## 3 STBD

### INNAGE TABLE

### "HERMETIC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30050"

GAUGE HEIGHT 17'-03 1/2"

N	0 FT.	N	1 FT.	N	2 FT.	N	3 FT.	N	4 FT.	N	5 FT.	N	6 FT.	N	7 FT.	N	8 FT.	N	9 FT.
0	20.35	0	366.09	0	723.94	0	1,081.31	0	1,439.12	0	1,796.98	0	2,154.84	0	2,512.71	0	2,870.34	0	3,227.77
1/4	25.47	1/4	373.54	1/4	731.40	1/4	1,088.75	1/4	1,446.57	1/4	1,804.44	1/4	2,162.30	1/4	2,520.16	1/4	2,877.79	1/4	3,235.21
1/2	30.60	1/2	381.00	1/2	738.85	1/2	1,096.20	1/2	1,454.03	1/2	1,811.89	1/2	2,169.75	1/2	2,527.62	1/2	2,885.24	1/2	3,242.66
3/4	35.72	3/4	388.45	3/4	746.31	3/4	1,103.65	3/4	1,461.48	3/4	1,819.35	3/4	2,177.21	3/4	2,535.07	3/4	2,892.68	3/4	3,250.10
1	40.85	1	395.91	1	753.76	1	1,111.10	1	1,468.94	1	1,826.80	1	2,184.67	1	2,542.53	1	2,900.13	1	3,257.55
1/4	47.61	1/4	403.36	1/4	761.22	1/4	1,118.55	1/4	1,476.39	1/4	1,834.26	1/4	2,192.12	1/4	2,549.99	1/4	2,907.58	1/4	3,264.99
1/2	54.36	1/2	410.82	1/2	768.67	1/2	1,126.00	1/2	1,483.85	1/2	1,841.71	1/2	2,199.58	1/2	2,557.44	1/2	2,915.03	1/2	3,272.43
3/4	61.12	3/4	418.27	3/4	776.13	3/4	1,133.45	3/4	1,491.30	3/4	1,849.17	3/4	2,207.03	3/4	2,564.90	3/4	2,922.48	3/4	3,279.87
2	67.88	2	425.73	2	783.58	2	1,140.90	2	1,498.76	2	1,856.62	2	2,214.49	2	2,572.35	2	2,929.93	2	3,287.31
1/4	75.33	1/4	433.18	1/4	791.04	1/4	1,148.35	1/4	1,506.22	1/4	1,864.08	1/4	2,221.94	1/4	2,579.81	1/4	2,937.37	1/4	3,294.74
1/2	82.79	1/2	440.64	1/2	798.49	1/2	1,155.81	1/2	1,513.67	1/2	1,871.53	1/2	2,229.40	1/2	2,587.26	1/2	2,944.82	1/2	3,302.16
3/4	90.24	3/4	448.10	3/4	805.95	3/4	1,163.26	3/4	1,521.13	3/4	1,878.99	3/4	2,236.85	3/4	2,594.72	3/4	2,952.27	3/4	3,309.59
3	97.70	3	455.55	3	813.41	3	1,170.72	3	1,528.58	3	1,886.45	3	2,244.31	3	2,602.17	3	2,959.72	3	3,317.01
1/4	105.15	1/4	463.01	1/4	820.86	1/4	1,178.17	1/4	1,536.04	1/4	1,893.90	1/4	2,251.77	1/4	2,609.63	1/4	2,967.17	1/4	3,324.44
1/2	112.61	1/2	470.46	1/2	828.31	1/2	1,185.63	1/2	1,543.49	1/2	1,901.36	1/2	2,259.22	1/2	2,617.08	1/2	2,974.61	1/2	3,331.86
3/4	120.06	3/4	477.92	3/4	835.76	3/4	1,193.08	3/4	1,550.95	3/4	1,908.81	3/4	2,266.68	3/4	2,624.54	3/4	2,982.06	3/4	3,339.29
4	127.52	4	485.37	4	843.21	4	1,200.54	4	1,558.40	4	1,916.27	4	2,274.13	4	2,631.99	4	2,989.51	4	3,346.71
1/4	134.97	1/4	492.83	1/4	850.65	1/4	1,208.00	1/4	1,565.86	1/4	1,923.72	1/4	2,281.59	1/4	2,639.44	1/4	2,996.95	1/4	3,354.14
1/2	142.43	1/2	500.28	1/2	858.09	1/2	1,215.45	1/2	1,573.31	1/2	1,931.18	1/2	2,289.04	1/2	2,646.89	1/2	3,004.40	1/2	3,361.56
3/4	149.88	3/4	507.74	3/4	865.53	3/4	1,222.91	3/4	1,580.77	3/4	1,938.63	3/4	2,296.50	3/4	2,654.34	3/4	3,011.84	3/4	3,368.99
5	157.34	5	515.19	5	872.97	5	1,230.36	5	1,588.23	5	1,946.09	5	2,303.95	5	2,661.79	5	3,019.29	5	3,376.41
1/4	164.79	1/4	522.65	1/4	880.41	1/4	1,237.82	1/4	1,595.68	1/4	1,953.55	1/4	2,311.41	1/4	2,669.24	1/4	3,026.74	1/4	3,383.83
1/2	172.25	1/2	530.10	1/2	887.85	1/2	1,245.27	1/2	1,603.14	1/2	1,961.00	1/2	2,318.86	1/2	2,676.68	1/2	3,034.18	1/2	3,391.26
3/4	179.70	3/4	537.56	3/4	895.29	3/4	1,252.73	3/4	1,610.59	3/4	1,968.46	3/4	2,326.32	3/4	2,684.13	3/4	3,041.63	3/4	3,398.68
6	187.16	6	545.01	6	902.73	6	1,260.18	6	1,618.05	6	1,975.91	6	2,333.78	6	2,691.58	6	3,049.07	6	3,406.11
1/4	194.62	1/4	552.47	1/4	910.17	1/4	1,267.64	1/4	1,625.50	1/4	1,983.37	1/4	2,341.23	1/4	2,699.03	1/4	3,056.52	1/4	3,413.53
1/2	202.07	1/2	559.92	1/2	917.61	1/2	1,275.09	1/2	1,632.96	1/2	1,990.82	1/2	2,348.69	1/2	2,706.48	1/2	3,063.96	1/2	3,420.96
3/4	209.53	3/4	567.38	3/4	925.05	3/4	1,282.55	3/4	1,640.41	3/4	1,998.28	3/4	2,356.14	3/4	2,713.92	3/4	3,071.41	3/4	3,428.38
7	216.98	7	574.84	7	932.49	7	1,290.01	7	1,647.87	7	2,005.73	7	2,363.60	7	2,721.37	7	3,078.86	7	3,435.81
1/4	224.44	1/4	582.29	1/4	939.93	1/4	1,297.46	1/4	1,655.33	1/4	2,013.19	1/4	2,371.05	1/4	2,728.82	1/4	3,086.30	1/4	3,443.23
1/2	231.89	1/2	589.75	1/2	947.37	1/2	1,304.92	1/2	1,662.78	1/2	2,020.64	1/2	2,378.51	1/2	2,736.27	1/2	3,093.75	1/2	3,450.66
3/4	239.35	3/4	597.20	3/4	954.81	3/4	1,312.37	3/4	1,670.24	3/4	2,028.10	3/4	2,385.96	3/4	2,743.72	3/4	3,101.19	3/4	3,458.08
8	246.80	8	604.66	8	962.25	8	1,319.83	8	1,677.69	8	2,035.56	8	2,393.42	8	2,751.17	8	3,108.64	8	3,465.51
1/4	254.26	1/4	612.11	1/4	969.69	1/4	1,327.28	1/4	1,685.15	1/4	2,043.01	1/4	2,400.88	1/4	2,758.61	1/4	3,116.08	1/4	3,472.93
1/2	261.71	1/2	619.57	1/2	977.14	1/2	1,334.74	1/2	1,692.60	1/2	2,050.47	1/2	2,408.33	1/2	2,766.06	1/2	3,123.53	1/2	3,480.36
3/4	269.17	3/4	627.02	3/4	984.58	3/4	1,342.19	3/4	1,700.06	3/4	2,057.92	3/4	2,415.79	3/4	2,773.51	3/4	3,130.97	3/4	3,487.78
9	276.62	9	634.48	9	992.02	9	1,349.65	9	1,707.51	9	2,065.38	9	2,423.24	9	2,780.96	9	3,138.42	9	3,495.21
1/4	284.08	1/4	641.93	1/4	999.46	1/4	1,357.11	1/4	1,714.97	1/4	2,072.83	1/4	2,430.70	1/4	2,788.41	1/4	3,145.87	1/4	3,502.63
1/2	291.53	1/2	649.39	1/2	1,006.90	1/2	1,364.56	1/2	1,722.42	1/2	2,080.29	1/2	2,438.15	1/2	2,795.86	1/2	3,153.31	1/2	3,510.06
3/4	298.99	3/4	656.84	3/4	1,014.34	3/4	1,372.02	3/4	1,729.88	3/4	2,087.74	3/4	2,445.61	3/4	2,803.30	3/4	3,160.76	3/4	3,517.48
10	306.44	10	664.30	10	1,021.78	10	1,379.47	10	1,737.34	10	2,095.20	10	2,453.06	10	2,810.75	10	3,168.20	10	3,524.91
1/4	313.90	1/4	671.75	1/4	1,029.22	1/4	1,386.93	1/4	1,744.79	1/4	2,102.66	1/4	2,460.52	1/4	2,818.20	1/4	3,175.65	1/4	3,532.33
1/2	321.36	1/2	679.21	1/2	1,036.66	1/2	1,394.38	1/2	1,752.25	1/2	2,110.11	1/2	2,467.97	1/2	2,825.65	1/2	3,183.09	1/2	3,539.76
3/4	328.81	3/4	686.67	3/4	1,044.10	3/4	1,401.84	3/4	1,759.70	3/4	2,117.57	3/4	2,475.43	3/4	2,833.10	3/4	3,190.54	3/4	3,547.18
11	336.27	11	694.12	11	1,051.54	11	1,409.29	11	1,767.16	11	2,125.02	11	2,482.89	11	2,840.55	11	3,197.98	11	3,554.61
1/4	343.72	1/4	701.58	1/4	1,058.98	1/4	1,416.75	1/4	1,774.61	1/4	2,132.48	1/4	2,490.34	1/4	2,847.99	1/4	3,205.43	1/4	3,562.04
1/2	351.18	1/2	709.03	1/2	1,066.42	1/2	1,424.20	1/2	1,782.07	1/2	2,139.93	1/2	2,497.80	1/2	2,855.44	1/2	3,212.88	1/2	3,569.47
3/4	358.63	3/4	716.49	3/4	1,073.86	3/4	1,431.66	3/4	1,789.52	3/4	2,147.39	3/4	2,505.25	3/4	2,862.89	3/4	3,220.32	3/4	3,576.90

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN WITH "HERMETIC" GAUGE.

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

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 29167"

## 3 STBD INNAGE TABLE "HERMETIC"

CONTAINS 111 BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30050"

GAUGE HEIGHT 17'-03 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,584.33	0	3,812.16	0	4,031.35	0	4,250.00	0	4,466.88	0		0		0		0		0	
1/4	3,591.06	1/4	3,816.73	1/4	4,035.91	1/4	4,254.55	1/4	4,470.61	1/4		1/4		1/4		1/4		1/4	
1/2	3,597.79	1/2	3,821.30	1/2	4,040.48	1/2	4,259.10	1/2	4,474.34	1/2		1/2		1/2		1/2		1/2	
3/4	3,604.52	3/4	3,825.86	3/4	4,045.05	3/4	4,263.65	3/4	4,478.07	3/4		3/4		3/4		3/4		3/4	
1	3,611.25	1	3,830.43	1	4,049.61	1	4,268.20	1	4,481.80	1		1		1		1		1	
1/4	3,615.81	1/4	3,835.00	1/4	4,054.18	1/4	4,272.75	1/4	4,484.46	1/4		1/4		1/4		1/4		1/4	
1/2	3,620.38	1/2	3,839.56	1/2	4,058.74	1/2	4,277.29	1/2	4,487.12	1/2		1/2		1/2		1/2		1/2	
3/4	3,624.95	3/4	3,844.13	3/4	4,063.31	3/4	4,281.84	3/4	4,489.79	3/4		3/4		3/4		3/4		3/4	
2	3,629.51	2	3,848.69	2	4,067.88	2	4,286.38	2	4,492.45	2		2		2		2		2	
1/4	3,634.08	1/4	3,853.26	1/4	4,072.44	1/4	4,290.91	1/4	4,494.30	1/4		1/4		1/4		1/4		1/4	
1/2	3,638.64	1/2	3,857.83	1/2	4,077.00	1/2	4,295.43	1/2	4,496.15	1/2		1/2		1/2		1/2		1/2	
3/4	3,643.21	3/4	3,862.39	3/4	4,081.57	3/4	4,299.96	3/4	4,497.99	3/4		3/4		3/4		3/4		3/4	
3	3,647.78	3	3,866.96	3	4,086.13	3	4,304.48	3		3		3		3		3		3	
1/4	3,652.34	1/4	3,871.53	1/4	4,090.68	1/4	4,309.01	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,656.91	1/2	3,876.09	1/2	4,095.23	1/2	4,313.53	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,661.48	3/4	3,880.66	3/4	4,099.79	3/4	4,318.06	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,666.04	4	3,885.23	4	4,104.34	4	4,322.58	4		4		4		4		4		4	
1/4	3,670.61	1/4	3,889.79	1/4	4,108.89	1/4	4,327.10	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,675.18	1/2	3,894.36	1/2	4,113.44	1/2	4,331.63	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,679.74	3/4	3,898.92	3/4	4,117.99	3/4	4,336.15	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,684.31	5	3,903.49	5	4,122.55	5	4,340.68	5		5		5		5		5		5	
1/4	3,688.87	1/4	3,908.06	1/4	4,127.10	1/4	4,345.20	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,693.44	1/2	3,912.62	1/2	4,131.65	1/2	4,349.73	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,698.01	3/4	3,917.19	3/4	4,136.20	3/4	4,354.25	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,702.57	6	3,921.76	6	4,140.75	6	4,358.77	6		6		6		6		6		6	
1/4	3,707.14	1/4	3,926.32	1/4	4,145.30	1/4	4,363.30	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,711.71	1/2	3,930.89	1/2	4,149.86	1/2	4,367.82	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,716.27	3/4	3,935.45	3/4	4,154.41	3/4	4,372.35	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,720.84	7	3,940.02	7	4,158.96	7	4,376.87	7		7		7		7		7		7	
1/4	3,725.40	1/4	3,944.59	1/4	4,163.51	1/4	4,381.40	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,729.97	1/2	3,949.15	1/2	4,168.06	1/2	4,385.92	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,734.54	3/4	3,953.72	3/4	4,172.61	3/4	4,390.45	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,739.10	8	3,958.29	8	4,177.17	8	4,394.97	8		8		8		8		8		8	
1/4	3,743.67	1/4	3,962.85	1/4	4,181.72	1/4	4,399.50	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,748.24	1/2	3,967.42	1/2	4,186.27	1/2	4,404.03	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,752.80	3/4	3,971.98	3/4	4,190.82	3/4	4,408.56	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,757.37	9	3,976.55	9	4,195.37	9	4,413.08	9		9		9		9		9		9	
1/4	3,761.94	1/4	3,981.12	1/4	4,199.93	1/4	4,417.61	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,766.50	1/2	3,985.68	1/2	4,204.48	1/2	4,422.14	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,771.07	3/4	3,990.25	3/4	4,209.03	3/4	4,426.66	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,775.63	10	3,994.82	10	4,213.58	10	4,431.19	10		10		10		10		10		10	
1/4	3,780.20	1/4	3,999.38	1/4	4,218.13	1/4	4,435.72	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,784.77	1/2	4,003.95	1/2	4,222.68	1/2	4,440.25	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,789.33	3/4	4,008.52	3/4	4,227.24	3/4	4,444.77	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,793.90	11	4,013.08	11	4,231.79	11	4,449.30	11		11		11		11		11		11	
1/4	3,798.47	1/4	4,017.65	1/4	4,236.34	1/4	4,453.69	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,803.03	1/2	4,022.21	1/2	4,240.89	1/2	4,458.09	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,807.60	3/4	4,026.78	3/4	4,245.44	3/4	4,462.48	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/26/2013 SW  
RECALCULATED: 09/12/2023 CL  
PRINTED: 09/12/2023 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2023

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "KIRBY 29167"

# FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "SMI 30050"

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

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

STRAPPED: 09/11/2023 CL  
CALCULATED: 09/12/2023 CL  
PRINTED: 09/12/2023 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2023

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 29167"

# SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "SMI 30050"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	5	1/4	442	1/4	1,027	1/4	1,642	1/4	2,202	1/4		1/4		1/4		1/4		1/4	
1/2	11	1/2	453	1/2	1,040	1/2	1,655	1/2	2,212	1/2		1/2		1/2		1/2		1/2	
3/4	16	3/4	464	3/4	1,053	3/4	1,667	3/4	2,222	3/4		3/4		3/4		3/4		3/4	
1	21	1	475	1	1,065	1	1,680	1	2,232	1		1		1		1		1	
1/4	28	1/4	487	1/4	1,078	1/4	1,692	1/4	2,242	1/4		1/4		1/4		1/4		1/4	
1/2	35	1/2	498	1/2	1,091	1/2	1,705	1/2	2,252	1/2		1/2		1/2		1/2		1/2	
3/4	41	3/4	510	3/4	1,104	3/4	1,717	3/4	2,262	3/4		3/4		3/4		3/4		3/4	
2	48	2	522	2	1,117	2	1,729	2	2,272	2		2		2		2		2	
1/4	55	1/4	533	1/4	1,130	1/4	1,742	1/4	2,282	1/4		1/4		1/4		1/4		1/4	
1/2	63	1/2	545	1/2	1,143	1/2	1,754	1/2	2,291	1/2		1/2		1/2		1/2		1/2	
3/4	70	3/4	557	3/4	1,156	3/4	1,766	3/4	2,301	3/4		3/4		3/4		3/4		3/4	
3	78	3	568	3	1,168	3	1,779	3	2,310	3		3		3		3		3	
1/4	86	1/4	580	1/4	1,181	1/4	1,791	1/4	2,319	1/4		1/4		1/4		1/4		1/4	
1/2	94	1/2	592	1/2	1,194	1/2	1,803	1/2	2,328	1/2		1/2		1/2		1/2		1/2	
3/4	102	3/4	604	3/4	1,207	3/4	1,815	3/4	2,338	3/4		3/4		3/4		3/4		3/4	
4	110	4	616	4	1,220	4	1,827	4	2,347	4		4		4		4		4	
1/4	119	1/4	628	1/4	1,233	1/4	1,839	1/4	2,355	1/4		1/4		1/4		1/4		1/4	
1/2	128	1/2	640	1/2	1,246	1/2	1,852	1/2	2,364	1/2		1/2		1/2		1/2		1/2	
3/4	136	3/4	652	3/4	1,259	3/4	1,864	3/4	2,373	3/4		3/4		3/4		3/4		3/4	
5	145	5	664	5	1,272	5	1,876	5	2,381	5		5		5		5		5	
1/4	154	1/4	676	1/4	1,284	1/4	1,887	1/4	2,390	1/4		1/4		1/4		1/4		1/4	
1/2	163	1/2	689	1/2	1,297	1/2	1,899	1/2	2,398	1/2		1/2		1/2		1/2		1/2	
3/4	172	3/4	701	3/4	1,310	3/4	1,911	3/4	2,406	3/4		3/4		3/4		3/4		3/4	
6	181	6	713	6	1,323	6	1,923	6	2,414	6		6		6		6		6	
1/4	191	1/4	725	1/4	1,336	1/4	1,935	1/4	2,421	1/4		1/4		1/4		1/4		1/4	
1/2	200	1/2	738	1/2	1,349	1/2	1,947	1/2	2,429	1/2		1/2		1/2		1/2		1/2	
3/4	210	3/4	750	3/4	1,362	3/4	1,958	3/4	2,436	3/4		3/4		3/4		3/4		3/4	
7	220	7	762	7	1,375	7	1,970	7	2,444	7		7		7		7		7	
1/4	229	1/4	775	1/4	1,388	1/4	1,982	1/4	2,450	1/4		1/4		1/4		1/4		1/4	
1/2	239	1/2	787	1/2	1,400	1/2	1,993	1/2	2,457	1/2		1/2		1/2		1/2		1/2	
3/4	249	3/4	799	3/4	1,413	3/4	2,005	3/4	2,464	3/4		3/4		3/4		3/4		3/4	
8	259	8	812	8	1,426	8	2,016	8	2,470	8		8		8		8		8	
1/4	270	1/4	824	1/4	1,439	1/4	2,027	1/4	2,476	1/4		1/4		1/4		1/4		1/4	
1/2	280	1/2	837	1/2	1,452	1/2	2,039	1/2	2,481	1/2		1/2		1/2		1/2		1/2	
3/4	290	3/4	849	3/4	1,464	3/4	2,050	3/4	2,486	3/4		3/4		3/4		3/4		3/4	
9	300	9	862	9	1,477	9	2,061	9	2,492	9		9		9		9		9	
1/4	311	1/4	875	1/4	1,490	1/4	2,072	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	321	1/2	887	1/2	1,503	1/2	2,084	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	332	3/4	900	3/4	1,516	3/4	2,095	3/4		3/4		3/4		3/4		3/4		3/4	
10	343	10	912	10	1,528	10	2,106	10		10		10		10		10		10	
1/4	353	1/4	925	1/4	1,541	1/4	2,117	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	364	1/2	938	1/2	1,554	1/2	2,127	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	375	3/4	951	3/4	1,566	3/4	2,138	3/4		3/4		3/4		3/4		3/4		3/4	
11	386	11	963	11	1,579	11	2,149	11		11		11		11		11		11	
1/4	397	1/4	976	1/4	1,592	1/4	2,160	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	408	1/2	989	1/2	1,604	1/2	2,170	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	419	3/4	1,002	3/4	1,617	3/4	2,181	3/4		3/4		3/4		3/4		3/4		3/4	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
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