



BARGE "KIRBY 28749"

ULLAGE "HERMETIC"

FORMERLY "SMI 30052"

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
1 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
2 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	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	00-5/8	- 00-5/8	01-3/8	- 01-3/8	02-0/8	- 02-0/8	02-3/4	- 02-3/4	03-3/8	- 03-3/8	04-1/8	- 04-1/8
3 STBD	00-5/8	- 00-5/8	01-3/8	- 01-3/8	02-0/8	- 02-0/8	02-3/4	- 02-3/4	03-3/8	- 03-3/8	04-1/8	- 04-1/8

(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 3 PORT IS - 01-3/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 3 PORT, THE TRIM CORRECTED ULLAGE IS 3'-10 5/8"

LENGTH BETWEEN DRAFT MARKS: 235'-09"

December 5, 2023

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28749"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30052"

GAUGE HEIGHT 16'-09"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	4,856.39	0	4,500.29	0	4,142.55	0	3,784.27	0	3,425.99	0	3,067.71	0	2,709.32
1/4		1/4		1/4		1/4	4,848.99	1/4	4,492.84	1/4	4,135.09	1/4	3,776.81	1/4	3,418.53	1/4	3,060.24	1/4	2,701.85
1/2		1/2		1/2		1/2	4,841.58	1/2	4,485.40	1/2	4,127.62	1/2	3,769.34	1/2	3,411.06	1/2	3,052.78	1/2	2,694.38
3/4		3/4		3/4		3/4	4,834.17	3/4	4,477.96	3/4	4,120.16	3/4	3,761.88	3/4	3,403.60	3/4	3,045.32	3/4	2,686.91
1		1		1		1	4,826.77	1	4,470.52	1	4,112.70	1	3,754.41	1	3,396.13	1	3,037.85	1	2,679.45
1/4		1/4		1/4		1/4	4,819.36	1/4	4,463.07	1/4	4,105.23	1/4	3,746.95	1/4	3,388.67	1/4	3,030.39	1/4	2,671.98
1/2		1/2		1/2		1/2	4,811.96	1/2	4,455.63	1/2	4,097.77	1/2	3,739.49	1/2	3,381.20	1/2	3,022.92	1/2	2,664.51
3/4		3/4		3/4		3/4	4,804.55	3/4	4,448.19	3/4	4,090.30	3/4	3,732.02	3/4	3,373.74	3/4	3,015.46	3/4	2,657.04
2		2		2		2	4,797.15	2	4,440.75	2	4,082.84	2	3,724.56	2	3,366.28	2	3,007.99	2	2,649.57
1/4		1/4		1/4		1/4	4,789.75	1/4	4,433.30	1/4	4,075.37	1/4	3,717.09	1/4	3,358.81	1/4	3,000.53	1/4	2,642.10
1/2		1/2		1/2		1/2	4,782.35	1/2	4,425.86	1/2	4,067.91	1/2	3,709.63	1/2	3,351.35	1/2	2,993.07	1/2	2,634.64
3/4		3/4		3/4		3/4	4,774.94	3/4	4,418.42	3/4	4,060.45	3/4	3,702.16	3/4	3,343.88	3/4	2,985.60	3/4	2,627.17
3		3		3		3	4,767.54	3	4,410.98	3	4,052.98	3	3,694.70	3	3,336.42	3	2,978.14	3	2,619.70
1/4		1/4		1/4		1/4	4,760.14	1/4	4,403.53	1/4	4,045.52	1/4	3,687.24	1/4	3,328.95	1/4	2,970.67	1/4	2,612.23
1/2		1/2		1/2		1/2	4,752.73	1/2	4,396.09	1/2	4,038.05	1/2	3,679.77	1/2	3,321.49	1/2	2,963.21	1/2	2,604.76
3/4		3/4		3/4		3/4	4,745.33	3/4	4,388.65	3/4	4,030.59	3/4	3,672.31	3/4	3,314.03	3/4	2,955.74	3/4	2,597.30
4		4		4		4	4,737.93	4	4,381.21	4	4,023.13	4	3,664.84	4	3,306.56	4	2,948.28	4	2,589.83
1/4		1/4		1/4		1/4	4,730.53	1/4	4,373.76	1/4	4,015.66	1/4	3,657.38	1/4	3,299.10	1/4	2,940.82	1/4	2,582.36
1/2		1/2		1/2		1/2	4,723.12	1/2	4,366.32	1/2	4,008.20	1/2	3,649.92	1/2	3,291.63	1/2	2,933.35	1/2	2,574.89
3/4		3/4		3/4		3/4	4,715.72	3/4	4,358.88	3/4	4,000.73	3/4	3,642.45	3/4	3,284.17	3/4	2,925.89	3/4	2,567.42
5		5		5		5	4,708.32	5	4,351.44	5	3,993.27	5	3,634.99	5	3,276.71	5	2,918.42	5	2,559.95
1/4		1/4		1/4		1/4	4,700.92	1/4	4,343.99	1/4	3,985.80	1/4	3,627.52	1/4	3,269.24	1/4	2,910.96	1/4	2,552.49
1/2		1/2		1/2		1/2	4,693.51	1/2	4,336.55	1/2	3,978.34	1/2	3,620.06	1/2	3,261.78	1/2	2,903.49	1/2	2,545.02
3/4		3/4		3/4		3/4	4,686.11	3/4	4,329.11	3/4	3,970.88	3/4	3,612.59	3/4	3,254.31	3/4	2,896.02	3/4	2,537.55
6		6		6		6	4,678.71	6	4,321.67	6	3,963.41	6	3,605.13	6	3,246.85	6	2,888.55	6	2,530.08
1/4		1/4		1/4	5,006.74	1/4	4,671.30	1/4	4,314.21	1/4	3,955.95	1/4	3,597.67	1/4	3,239.38	1/4	2,881.09	1/4	2,522.61
1/2		1/2		1/2	5,002.27	1/2	4,663.90	1/2	4,306.75	1/2	3,948.48	1/2	3,590.20	1/2	3,231.92	1/2	2,873.62	1/2	2,515.14
3/4		3/4		3/4	4,997.79	3/4	4,656.50	3/4	4,299.29	3/4	3,941.02	3/4	3,582.74	3/4	3,224.46	3/4	2,866.15	3/4	2,507.68
7		7		7	4,993.32	7	4,649.10	7	4,291.84	7	3,933.55	7	3,575.27	7	3,216.99	7	2,858.68	7	2,500.21
1/4		1/4		1/4	4,987.78	1/4	4,641.66	1/4	4,284.37	1/4	3,926.09	1/4	3,567.81	1/4	3,209.53	1/4	2,851.21	1/4	2,492.74
1/2		1/2		1/2	4,982.24	1/2	4,634.23	1/2	4,276.91	1/2	3,918.63	1/2	3,560.34	1/2	3,202.06	1/2	2,843.75	1/2	2,485.27
3/4		3/4		3/4	4,976.70	3/4	4,626.80	3/4	4,269.44	3/4	3,911.16	3/4	3,552.88	3/4	3,194.60	3/4	2,836.28	3/4	2,477.80
8		8		8	4,971.16	8	4,619.37	8	4,261.98	8	3,903.70	8	3,545.42	8	3,187.13	8	2,828.81	8	2,470.34
1/4		1/4		1/4	4,964.56	1/4	4,611.92	1/4	4,254.52	1/4	3,896.23	1/4	3,537.95	1/4	3,179.67	1/4	2,821.34	1/4	2,462.87
1/2		1/2		1/2	4,957.95	1/2	4,604.48	1/2	4,247.05	1/2	3,888.77	1/2	3,530.49	1/2	3,172.21	1/2	2,813.87	1/2	2,455.40
3/4		3/4		3/4	4,951.35	3/4	4,597.04	3/4	4,239.59	3/4	3,881.31	3/4	3,523.02	3/4	3,164.74	3/4	2,806.40	3/4	2,447.93
9		9		9	4,944.74	9	4,589.60	9	4,232.12	9	3,873.84	9	3,515.56	9	3,157.28	9	2,798.94	9	2,440.46
1/4		1/4		1/4	4,937.47	1/4	4,582.15	1/4	4,224.66	1/4	3,866.38	1/4	3,508.10	1/4	3,149.81	1/4	2,791.47	1/4	2,432.99
1/2		1/2		1/2	4,930.19	1/2	4,574.71	1/2	4,217.19	1/2	3,858.91	1/2	3,500.63	1/2	3,142.35	1/2	2,784.00	1/2	2,425.53
3/4		3/4		3/4	4,922.92	3/4	4,567.27	3/4	4,209.73	3/4	3,851.45	3/4	3,493.17	3/4	3,134.89	3/4	2,776.53	3/4	2,418.06
10		10		10	4,915.65	10	4,559.83	10	4,202.27	10	3,843.98	10	3,485.70	10	3,127.42	10	2,769.06	10	2,410.59
1/4		1/4		1/4	4,908.24	1/4	4,552.38	1/4	4,194.80	1/4	3,836.52	1/4	3,478.24	1/4	3,119.96	1/4	2,761.60	1/4	2,403.12
1/2		1/2		1/2	4,900.83	1/2	4,544.94	1/2	4,187.34	1/2	3,829.06	1/2	3,470.77	1/2	3,112.49	1/2	2,754.13	1/2	2,395.65
3/4		3/4		3/4	4,893.43	3/4	4,537.50	3/4	4,179.87	3/4	3,821.59	3/4	3,463.31	3/4	3,105.03	3/4	2,746.66	3/4	2,388.19
11		11		11	4,886.02	11	4,530.06	11	4,172.41	11	3,814.13	11	3,455.85	11	3,097.56	11	2,739.19	11	2,380.72
1/4		1/4		1/4	4,878.61	1/4	4,522.61	1/4	4,164.95	1/4	3,806.66	1/4	3,448.38	1/4	3,090.10	1/4	2,731.72	1/4	2,373.25
1/2		1/2		1/2	4,871.21	1/2	4,515.17	1/2	4,157.48	1/2	3,799.20	1/2	3,440.92	1/2	3,082.64	1/2	2,724.25	1/2	2,365.78
3/4		3/4		3/4	4,863.80	3/4	4,507.73	3/4	4,150.02	3/4	3,791.74	3/4	3,433.45	3/4	3,075.17	3/4	2,716.79	3/4	2,358.31

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

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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BARGE "KIRBY 28749"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30052"

GAUGE HEIGHT 16'-09"

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	2,350.84	0	1,992.37	0	1,633.90	0	1,275.42	0	918.10	0	562.91	0	224.85	0		0		0	
1/4	2,343.38	1/4	1,984.90	1/4	1,626.43	1/4	1,267.96	1/4	910.68	1/4	555.65	1/4	218.49	1/4		1/4		1/4	
1/2	2,335.91	1/2	1,977.43	1/2	1,618.96	1/2	1,260.49	1/2	903.26	1/2	548.38	1/2	212.12	1/2		1/2		1/2	
3/4	2,328.44	3/4	1,969.97	3/4	1,611.49	3/4	1,253.02	3/4	895.84	3/4	541.11	3/4	205.76	3/4		3/4		3/4	
1	2,320.97	1	1,962.50	1	1,604.02	1	1,245.55	1	888.43	1	533.85	1	199.40	1		1		1	
1/4	2,313.50	1/4	1,955.03	1/4	1,596.56	1/4	1,238.08	1/4	881.01	1/4	526.58	1/4	193.12	1/4		1/4		1/4	
1/2	2,306.04	1/2	1,947.56	1/2	1,589.09	1/2	1,230.61	1/2	873.59	1/2	519.32	1/2	186.84	1/2		1/2		1/2	
3/4	2,298.57	3/4	1,940.09	3/4	1,581.62	3/4	1,223.15	3/4	866.17	3/4	512.05	3/4	180.57	3/4		3/4		3/4	
2	2,291.10	2	1,932.63	2	1,574.15	2	1,215.68	2	858.76	2	504.78	2	174.29	2		2		2	
1/4	2,283.63	1/4	1,925.16	1/4	1,566.68	1/4	1,208.21	1/4	851.34	1/4	497.55	1/4	168.10	1/4		1/4		1/4	
1/2	2,276.16	1/2	1,917.69	1/2	1,559.22	1/2	1,200.74	1/2	843.92	1/2	490.32	1/2	161.92	1/2		1/2		1/2	
3/4	2,268.69	3/4	1,910.22	3/4	1,551.75	3/4	1,193.27	3/4	836.51	3/4	483.08	3/4	155.73	3/4		3/4		3/4	
3	2,261.23	3	1,902.75	3	1,544.28	3	1,185.81	3	829.09	3	475.85	3	149.54	3		3		3	
1/4	2,253.76	1/4	1,895.28	1/4	1,536.81	1/4	1,178.34	1/4	821.67	1/4	468.69	1/4	143.44	1/4		1/4		1/4	
1/2	2,246.29	1/2	1,887.82	1/2	1,529.34	1/2	1,170.87	1/2	814.25	1/2	461.54	1/2	137.34	1/2		1/2		1/2	
3/4	2,238.82	3/4	1,880.35	3/4	1,521.87	3/4	1,163.40	3/4	806.84	3/4	454.38	3/4	131.24	3/4		3/4		3/4	
4	2,231.35	4	1,872.88	4	1,514.41	4	1,155.93	4	799.42	4	447.22	4	125.14	4		4		4	
1/4	2,223.89	1/4	1,865.41	1/4	1,506.94	1/4	1,148.46	1/4	792.00	1/4	440.16	1/4	119.13	1/4		1/4		1/4	
1/2	2,216.42	1/2	1,857.94	1/2	1,499.47	1/2	1,141.00	1/2	784.58	1/2	432.89	1/2	113.12	1/2		1/2		1/2	
3/4	2,208.95	3/4	1,850.48	3/4	1,492.00	3/4	1,133.53	3/4	777.17	3/4	425.62	3/4	107.11	3/4		3/4		3/4	
5	2,201.48	5	1,843.01	5	1,484.53	5	1,126.06	5	769.75	5	418.35	5	101.10	5		5		5	
1/4	2,194.01	1/4	1,835.54	1/4	1,477.07	1/4	1,118.61	1/4	762.29	1/4	411.16	1/4	95.17	1/4		1/4		1/4	
1/2	2,186.54	1/2	1,828.07	1/2	1,469.60	1/2	1,111.17	1/2	754.84	1/2	403.98	1/2	89.25	1/2		1/2		1/2	
3/4	2,179.08	3/4	1,820.60	3/4	1,462.13	3/4	1,103.72	3/4	747.38	3/4	396.80	3/4	83.32	3/4		3/4		3/4	
6	2,171.61	6	1,813.13	6	1,454.66	6	1,096.28	6	739.93	6	389.62	6	77.40	6		6		6	
1/4	2,164.14	1/4	1,805.67	1/4	1,447.19	1/4	1,088.84	1/4	732.46	1/4	382.52	1/4	71.56	1/4		1/4		1/4	
1/2	2,156.67	1/2	1,798.20	1/2	1,439.72	1/2	1,081.40	1/2	724.99	1/2	375.43	1/2	65.73	1/2		1/2		1/2	
3/4	2,149.20	3/4	1,790.73	3/4	1,432.26	3/4	1,073.96	3/4	717.52	3/4	368.34	3/4	59.89	3/4		3/4		3/4	
7	2,141.73	7	1,783.26	7	1,424.79	7	1,066.52	7	710.06	7	361.24	7	53.86	7		7		7	
1/4	2,134.27	1/4	1,775.79	1/4	1,417.32	1/4	1,059.09	1/4	702.59	1/4	354.24	1/4	48.61	1/4		1/4		1/4	
1/2	2,126.80	1/2	1,768.32	1/2	1,409.85	1/2	1,051.67	1/2	695.12	1/2	347.23	1/2	43.36	1/2		1/2		1/2	
3/4	2,119.33	3/4	1,760.86	3/4	1,402.38	3/4	1,044.24	3/4	687.65	3/4	340.23	3/4	38.11	3/4		3/4		3/4	
8	2,111.86	8	1,753.39	8	1,394.91	8	1,036.81	8	680.18	8	333.22	8	32.86	8		8		8	
1/4	2,104.39	1/4	1,745.92	1/4	1,387.45	1/4	1,029.38	1/4	672.72	1/4	326.30	1/4	29.33	1/4		1/4		1/4	
1/2	2,096.93	1/2	1,738.45	1/2	1,379.98	1/2	1,021.96	1/2	665.25	1/2	319.39	1/2	25.81	1/2		1/2		1/2	
3/4	2,089.46	3/4	1,730.98	3/4	1,372.51	3/4	1,014.53	3/4	657.78	3/4	312.47	3/4	22.28	3/4		3/4		3/4	
9	2,081.99	9	1,723.52	9	1,365.04	9	1,007.11	9	650.31	9	305.55	9	18.75	9		9		9	
1/4	2,074.52	1/4	1,716.05	1/4	1,357.57	1/4	999.69	1/4	642.84	1/4	298.72	1/4		1/4		1/4		1/4	
1/2	2,067.05	1/2	1,708.58	1/2	1,350.11	1/2	992.27	1/2	635.58	1/2	291.89	1/2		1/2		1/2		1/2	
3/4	2,059.58	3/4	1,701.11	3/4	1,342.64	3/4	984.85	3/4	628.31	3/4	285.06	3/4		3/4		3/4		3/4	
10	2,052.12	10	1,693.64	10	1,335.17	10	977.43	10	621.05	10	278.23	10		10		10		10	
1/4	2,044.65	1/4	1,686.17	1/4	1,327.70	1/4	970.02	1/4	613.78	1/4	271.49	1/4		1/4		1/4		1/4	
1/2	2,037.18	1/2	1,678.71	1/2	1,320.23	1/2	962.60	1/2	606.51	1/2	264.75	1/2		1/2		1/2		1/2	
3/4	2,029.71	3/4	1,671.24	3/4	1,312.76	3/4	955.18	3/4	599.25	3/4	258.01	3/4		3/4		3/4		3/4	
11	2,022.24	11	1,663.77	11	1,305.30	11	947.76	11	591.98	11	251.26	11		11		11		11	
1/4	2,014.78	1/4	1,656.30	1/4	1,297.83	1/4	940.35	1/4	584.71	1/4	244.61	1/4		1/4		1/4		1/4	
1/2	2,007.31	1/2	1,648.83	1/2	1,290.36	1/2	932.93	1/2	577.45	1/2	237.96	1/2		1/2		1/2		1/2	
3/4	1,999.84	3/4	1,641.37	3/4	1,282.89	3/4	925.51	3/4	570.18	3/4	231.30	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/03/2013 CL
 RECALCULATED: 12/05/2023 JS
 NAME CHANGE: 12/05/2023 JS

CANCELS AND SUPERCEDES
 ALL PRIOR TO 12/2023

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

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BARGE "KIRBY 28749"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30052"

GAUGE HEIGHT 16'-09 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.		
0		0		0		0	4,872.79	0	4,516.76	0	4,159.08	0	3,800.80	0	3,442.53	0	3,084.25	0	2,725.88		
1/4		1/4		1/4		1/4	4,865.38	1/4	4,509.32	1/4	4,151.62	1/4	3,793.34	1/4	3,435.06	1/4	3,076.78	1/4	2,718.41		
1/2		1/2		1/2		1/2	4,857.98	1/2	4,501.88	1/2	4,144.15	1/2	3,785.87	1/2	3,427.60	1/2	3,069.32	1/2	2,710.94		
3/4		3/4		3/4		3/4	4,850.57	3/4	4,494.43	3/4	4,136.69	3/4	3,778.41	3/4	3,420.13	3/4	3,061.86	3/4	2,703.47		
1		1		1		1	4,843.16	1	4,486.99	1	4,129.22	1	3,770.95	1	3,412.67	1	3,054.39	1	2,696.01		
1/4		1/4		1/4		1/4	4,835.76	1/4	4,479.55	1/4	4,121.76	1/4	3,763.48	1/4	3,405.21	1/4	3,046.93	1/4	2,688.54		
1/2		1/2		1/2		1/2	4,828.35	1/2	4,472.11	1/2	4,114.29	1/2	3,756.02	1/2	3,397.74	1/2	3,039.46	1/2	2,681.07		
3/4		3/4		3/4		3/4	4,820.95	3/4	4,464.67	3/4	4,106.83	3/4	3,748.55	3/4	3,390.28	3/4	3,032.00	3/4	2,673.60		
2		2		2		2	4,813.54	2	4,457.22	2	4,099.37	2	3,741.09	2	3,382.81	2	3,024.54	2	2,666.13		
1/4		1/4		1/4		1/4	4,806.14	1/4	4,449.78	1/4	4,091.90	1/4	3,733.63	1/4	3,375.35	1/4	3,017.07	1/4	2,658.67		
1/2		1/2		1/2		1/2	4,798.73	1/2	4,442.34	1/2	4,084.44	1/2	3,726.16	1/2	3,367.88	1/2	3,009.61	1/2	2,651.20		
3/4		3/4		3/4		3/4	4,791.33	3/4	4,434.90	3/4	4,076.97	3/4	3,718.70	3/4	3,360.42	3/4	3,002.14	3/4	2,643.73		
3		3		3		3	4,783.93	3	4,427.45	3	4,069.51	3	3,711.23	3	3,352.96	3	2,994.68	3	2,636.26		
1/4		1/4		1/4		1/4	4,776.53	1/4	4,420.01	1/4	4,062.05	1/4	3,703.77	1/4	3,345.49	1/4	2,987.22	1/4	2,628.79		
1/2		1/2		1/2		1/2	4,769.12	1/2	4,412.57	1/2	4,054.58	1/2	3,696.31	1/2	3,338.03	1/2	2,979.75	1/2	2,621.33		
3/4		3/4		3/4		3/4	4,761.72	3/4	4,405.13	3/4	4,047.12	3/4	3,688.84	3/4	3,330.56	3/4	2,972.29	3/4	2,613.86		
4		4		4		4	4,754.32	4	4,397.68	4	4,039.65	4	3,681.38	4	3,323.10	4	2,964.82	4	2,606.39		
1/4		1/4		1/4		1/4	4,746.92	1/4	4,390.24	1/4	4,032.19	1/4	3,673.91	1/4	3,315.64	1/4	2,957.36	1/4	2,598.92		
1/2		1/2		1/2		1/2	4,739.51	1/2	4,382.80	1/2	4,024.73	1/2	3,666.45	1/2	3,308.17	1/2	2,949.90	1/2	2,591.45		
3/4		3/4		3/4		3/4	4,732.11	3/4	4,375.36	3/4	4,017.26	3/4	3,658.98	3/4	3,300.71	3/4	2,942.43	3/4	2,583.98		
5		5		5		5	4,724.71	5	4,367.91	5	4,009.80	5	3,651.52	5	3,293.24	5	2,934.97	5	2,576.52		
1/4		1/4		1/4		1/4	4,717.31	1/4	4,360.47	1/4	4,002.33	1/4	3,644.06	1/4	3,285.78	1/4	2,927.50	1/4	2,569.05		
1/2		1/2		1/2		1/2	4,709.90	1/2	4,353.03	1/2	3,994.87	1/2	3,636.59	1/2	3,278.32	1/2	2,920.04	1/2	2,561.58		
3/4		3/4		3/4		3/4	4,702.50	3/4	4,345.59	3/4	3,987.40	3/4	3,629.13	3/4	3,270.85	3/4	2,912.57	3/4	2,554.11		
6		6		6		6	4,695.10	6	4,338.14	6	3,979.94	6	3,621.66	6	3,263.39	6	2,905.11	6	2,546.64		
1/4		1/4		1/4		1/4	4,687.70	1/4	4,330.70	1/4	3,972.48	1/4	3,614.20	1/4	3,255.92	1/4	2,897.64	1/4	2,539.18		
1/2		1/2		1/2		1/2	4,680.29	1/2	4,323.26	1/2	3,965.01	1/2	3,606.74	1/2	3,248.46	1/2	2,890.18	1/2	2,531.71		
3/4		3/4		3/4		3/4	5,008.32	3/4	4,672.89	3/4	4,315.80	3/4	3,957.55	3/4	3,240.99	3/4	2,882.71	3/4	2,524.24		
7		7		7		7	5,003.85	7	4,665.49	7	4,308.35	7	3,950.08	7	3,591.81	7	3,233.53	7	2,875.24	7	2,516.77
1/4		1/4		1/4		1/4	4,999.37	1/4	4,658.09	1/4	4,300.89	1/4	3,942.62	1/4	3,584.34	1/4	3,226.07	1/4	2,867.77	1/4	2,509.30
1/2		1/2		1/2		1/2	4,994.90	1/2	4,650.68	1/2	4,293.43	1/2	3,935.16	1/2	3,576.88	1/2	3,218.60	1/2	2,860.30	1/2	2,501.84
3/4		3/4		3/4		3/4	4,989.36	3/4	4,643.25	3/4	4,285.97	3/4	3,927.69	3/4	3,569.42	3/4	3,211.14	3/4	2,852.84	3/4	2,494.37
8		8		8		8	4,983.82	8	4,635.82	8	4,278.50	8	3,920.23	8	3,561.95	8	3,203.67	8	2,845.37	8	2,486.90
1/4		1/4		1/4		1/4	4,978.28	1/4	4,628.39	1/4	4,271.04	1/4	3,912.76	1/4	3,554.49	1/4	3,196.21	1/4	2,837.90	1/4	2,479.43
1/2		1/2		1/2		1/2	4,972.74	1/2	4,620.96	1/2	4,263.58	1/2	3,905.30	1/2	3,547.02	1/2	3,188.75	1/2	2,830.43	1/2	2,471.96
3/4		3/4		3/4		3/4	4,966.14	3/4	4,613.51	3/4	4,256.11	3/4	3,897.84	3/4	3,539.56	3/4	3,181.28	3/4	2,822.96	3/4	2,464.49
9		9		9		9	4,959.53	9	4,606.07	9	4,248.65	9	3,890.37	9	3,532.09	9	3,173.82	9	2,815.50	9	2,457.03
1/4		1/4		1/4		1/4	4,952.93	1/4	4,598.63	1/4	4,241.18	1/4	3,882.91	1/4	3,524.63	1/4	3,166.35	1/4	2,808.03	1/4	2,449.56
1/2		1/2		1/2		1/2	4,946.32	1/2	4,591.19	1/2	4,233.72	1/2	3,875.44	1/2	3,517.17	1/2	3,158.89	1/2	2,800.56	1/2	2,442.09
3/4		3/4		3/4		3/4	4,939.05	3/4	4,583.74	3/4	4,226.26	3/4	3,867.98	3/4	3,509.70	3/4	3,151.43	3/4	2,793.09	3/4	2,434.62
10		10		10		10	4,931.78	10	4,576.30	10	4,218.79	10	3,860.52	10	3,502.24	10	3,143.96	10	2,785.62	10	2,427.15
1/4		1/4		1/4		1/4	4,924.50	1/4	4,568.86	1/4	4,211.33	1/4	3,853.05	1/4	3,494.77	1/4	3,136.50	1/4	2,778.16	1/4	2,419.69
1/2		1/2		1/2		1/2	4,917.23	1/2	4,561.42	1/2	4,203.86	1/2	3,845.59	1/2	3,487.31	1/2	3,129.03	1/2	2,770.69	1/2	2,412.22
3/4		3/4		3/4		3/4	4,909.82	3/4	4,553.97	3/4	4,196.40	3/4	3,838.12	3/4	3,479.85	3/4	3,121.57	3/4	2,763.22	3/4	2,404.75
11		11		11		11	4,902.42	11	4,546.53	11	4,188.94	11	3,830.66	11	3,472.38	11	3,114.11	11	2,755.75	11	2,397.28
1/4		1/4		1/4		1/4	4,895.01	1/4	4,539.09	1/4	4,181.47	1/4	3,823.19	1/4	3,464.92	1/4	3,106.64	1/4	2,748.28	1/4	2,389.81
1/2		1/2		1/2		1/2	4,887.60	1/2	4,531.65	1/2	4,174.01	1/2	3,815.73	1/2	3,457.45	1/2	3,099.18	1/2	2,740.81	1/2	2,382.35
3/4		3/4		3/4		3/4	4,880.20	3/4	4,524.20	3/4	4,166.54	3/4	3,808.27	3/4	3,449.99	3/4	3,091.71	3/4	2,733.35	3/4	2,374.88

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

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28749"

1 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30052"

GAUGE HEIGHT 16'-09 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	2,367.41	0	2,008.94	0	1,650.47	0	1,292.00	0	933.71	0	577.38	0	237.96	0		0		0	
1/4	2,359.94	1/4	2,001.47	1/4	1,643.00	1/4	1,284.54	1/4	926.26	1/4	570.12	1/4	231.30	1/4		1/4		1/4	
1/2	2,352.47	1/2	1,994.00	1/2	1,635.54	1/2	1,277.07	1/2	918.80	1/2	562.85	1/2	224.85	1/2		1/2		1/2	
3/4	2,345.01	3/4	1,986.54	3/4	1,628.07	3/4	1,269.60	3/4	911.35	3/4	555.59	3/4	218.49	3/4		3/4		3/4	
1	2,337.54	1	1,979.07	1	1,620.60	1	1,262.13	1	903.90	1	548.33	1	212.12	1		1		1	
1/4	2,330.07	1/4	1,971.60	1/4	1,613.13	1/4	1,254.66	1/4	896.44	1/4	541.07	1/4	205.76	1/4		1/4		1/4	
1/2	2,322.60	1/2	1,964.13	1/2	1,605.66	1/2	1,247.19	1/2	888.99	1/2	533.81	1/2	199.39	1/2		1/2		1/2	
3/4	2,315.13	3/4	1,956.66	3/4	1,598.20	3/4	1,239.73	3/4	881.53	3/4	526.55	3/4	193.12	3/4		3/4		3/4	
2	2,307.66	2	1,949.20	2	1,590.73	2	1,232.26	2	874.08	2	519.29	2	186.84	2		2		2	
1/4	2,300.20	1/4	1,941.73	1/4	1,583.26	1/4	1,224.79	1/4	866.62	1/4	512.03	1/4	180.57	1/4		1/4		1/4	
1/2	2,292.73	1/2	1,934.26	1/2	1,575.79	1/2	1,217.32	1/2	859.17	1/2	504.77	1/2	174.29	1/2		1/2		1/2	
3/4	2,285.26	3/4	1,926.79	3/4	1,568.32	3/4	1,209.85	3/4	851.72	3/4	497.54	3/4	168.10	3/4		3/4		3/4	
3	2,277.79	3	1,919.32	3	1,560.85	3	1,202.39	3	844.26	3	490.31	3	161.91	3		3		3	
1/4	2,270.32	1/4	1,911.86	1/4	1,553.39	1/4	1,194.92	1/4	836.81	1/4	483.08	1/4	155.73	1/4		1/4		1/4	
1/2	2,262.86	1/2	1,904.39	1/2	1,545.92	1/2	1,187.45	1/2	829.35	1/2	475.85	1/2	149.54	1/2		1/2		1/2	
3/4	2,255.39	3/4	1,896.92	3/4	1,538.45	3/4	1,179.98	3/4	821.90	3/4	468.69	3/4	143.44	3/4		3/4		3/4	
4	2,247.92	4	1,889.45	4	1,530.98	4	1,172.51	4	814.44	4	461.53	4	137.34	4		4		4	
1/4	2,240.45	1/4	1,881.98	1/4	1,523.51	1/4	1,165.05	1/4	806.99	1/4	454.38	1/4	131.24	1/4		1/4		1/4	
1/2	2,232.98	1/2	1,874.52	1/2	1,516.05	1/2	1,157.58	1/2	799.54	1/2	447.22	1/2	125.14	1/2		1/2		1/2	
3/4	2,225.52	3/4	1,867.05	3/4	1,508.58	3/4	1,150.11	3/4	792.08	3/4	440.15	3/4	119.13	3/4		3/4		3/4	
5	2,218.05	5	1,859.58	5	1,501.11	5	1,142.64	5	784.63	5	432.88	5	113.12	5		5		5	
1/4	2,210.58	1/4	1,852.11	1/4	1,493.64	1/4	1,135.17	1/4	777.17	1/4	425.61	1/4	107.10	1/4		1/4		1/4	
1/2	2,203.11	1/2	1,844.64	1/2	1,486.17	1/2	1,127.71	1/2	769.72	1/2	418.34	1/2	101.09	1/2		1/2		1/2	
3/4	2,195.64	3/4	1,837.17	3/4	1,478.71	3/4	1,120.24	3/4	762.26	3/4	411.16	3/4	95.17	3/4		3/4		3/4	
6	2,188.18	6	1,829.71	6	1,471.24	6	1,112.77	6	754.79	6	403.98	6	89.24	6		6		6	
1/4	2,180.71	1/4	1,822.24	1/4	1,463.77	1/4	1,105.30	1/4	747.33	1/4	396.80	1/4	83.32	1/4		1/4		1/4	
1/2	2,173.24	1/2	1,814.77	1/2	1,456.30	1/2	1,097.83	1/2	739.86	1/2	389.62	1/2	77.40	1/2		1/2		1/2	
3/4	2,165.77	3/4	1,807.30	3/4	1,448.83	3/4	1,090.36	3/4	732.39	3/4	382.52	3/4	71.56	3/4		3/4		3/4	
7	2,158.30	7	1,799.83	7	1,441.37	7	1,082.90	7	724.93	7	375.43	7	65.73	7		7		7	
1/4	2,150.83	1/4	1,792.37	1/4	1,433.90	1/4	1,075.43	1/4	717.46	1/4	368.33	1/4	59.89	1/4		1/4		1/4	
1/2	2,143.37	1/2	1,784.90	1/2	1,426.43	1/2	1,067.96	1/2	709.99	1/2	361.24	1/2	53.85	1/2		1/2		1/2	
3/4	2,135.90	3/4	1,777.43	3/4	1,418.96	3/4	1,060.50	3/4	702.52	3/4	354.24	3/4	48.60	3/4		3/4		3/4	
8	2,128.43	8	1,769.96	8	1,411.49	8	1,053.03	8	695.05	8	347.23	8	43.36	8		8		8	
1/4	2,120.96	1/4	1,762.49	1/4	1,404.02	1/4	1,045.57	1/4	687.59	1/4	340.22	1/4	38.11	1/4		1/4		1/4	
1/2	2,113.49	1/2	1,755.03	1/2	1,396.56	1/2	1,038.11	1/2	680.12	1/2	333.22	1/2	32.86	1/2		1/2		1/2	
3/4	2,106.03	3/4	1,747.56	3/4	1,389.09	3/4	1,030.65	3/4	672.65	3/4	326.30	3/4	29.33	3/4		3/4		3/4	
9	2,098.56	9	1,740.09	9	1,381.62	9	1,023.18	9	665.18	9	319.38	9	25.80	9		9		9	
1/4	2,091.09	1/4	1,732.62	1/4	1,374.15	1/4	1,015.72	1/4	657.72	1/4	312.46	1/4	22.28	1/4		1/4		1/4	
1/2	2,083.62	1/2	1,725.15	1/2	1,366.68	1/2	1,008.26	1/2	650.25	1/2	305.55	1/2	18.75	1/2		1/2		1/2	
3/4	2,076.15	3/4	1,717.68	3/4	1,359.22	3/4	1,000.81	3/4	642.78	3/4	298.71	3/4		3/4		3/4		3/4	
10	2,068.69	10	1,710.22	10	1,351.75	10	993.35	10	635.51	10	291.89	10		10		10		10	
1/4	2,061.22	1/4	1,702.75	1/4	1,344.28	1/4	985.89	1/4	628.25	1/4	285.06	1/4		1/4		1/4		1/4	
1/2	2,053.75	1/2	1,695.28	1/2	1,336.81	1/2	978.44	1/2	620.98	1/2	278.23	1/2		1/2		1/2		1/2	
3/4	2,046.28	3/4	1,687.81	3/4	1,329.34	3/4	970.98	3/4	613.71	3/4	271.49	3/4		3/4		3/4		3/4	
11	2,038.81	11	1,680.34	11	1,321.88	11	963.53	11	606.45	11	264.75	11		11		11		11	
1/4	2,031.35	1/4	1,672.88	1/4	1,314.41	1/4	956.07	1/4	599.18	1/4	258.00	1/4		1/4		1/4		1/4	
1/2	2,023.88	1/2	1,665.41	1/2	1,306.94	1/2	948.62	1/2	591.92	1/2	251.26	1/2		1/2		1/2		1/2	
3/4	2,016.41	3/4	1,657.94	3/4	1,299.47	3/4	941.17	3/4	584.65	3/4	244.61	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/03/2013 CL
RECALCULATED: 12/05/2023 JS
NAME CHANGE: 12/05/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

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BARGE "KIRBY 28749"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30052"

GAUGE HEIGHT 16'-09 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	4,925.37	0	4,568.56	0	4,210.11	0	3,851.09	0	3,492.07	0	3,133.04	0	2,773.92
1/4		1/4		1/4		1/4	4,917.94	1/4	4,561.10	1/4	4,202.63	1/4	3,843.61	1/4	3,484.59	1/4	3,125.56	1/4	2,766.44
1/2		1/2		1/2		1/2	4,910.52	1/2	4,553.64	1/2	4,195.15	1/2	3,836.13	1/2	3,477.11	1/2	3,118.09	1/2	2,758.95
3/4		3/4		3/4		3/4	4,903.10	3/4	4,546.19	3/4	4,187.67	3/4	3,828.65	3/4	3,469.63	3/4	3,110.61	3/4	2,751.47
1		1		1		1	4,895.68	1	4,538.73	1	4,180.19	1	3,821.17	1	3,462.15	1	3,103.13	1	2,743.99
1/4		1/4		1/4		1/4	4,888.26	1/4	4,531.27	1/4	4,172.71	1/4	3,813.69	1/4	3,454.67	1/4	3,095.65	1/4	2,736.50
1/2		1/2		1/2		1/2	4,880.84	1/2	4,523.81	1/2	4,165.23	1/2	3,806.21	1/2	3,447.19	1/2	3,088.17	1/2	2,729.02
3/4		3/4		3/4		3/4	4,873.42	3/4	4,516.35	3/4	4,157.75	3/4	3,798.73	3/4	3,439.71	3/4	3,080.69	3/4	2,721.53
2		2		2		2	4,866.00	2	4,508.90	2	4,150.27	2	3,791.25	2	3,432.23	2	3,073.21	2	2,714.05
1/4		1/4		1/4		1/4	4,858.58	1/4	4,501.44	1/4	4,142.79	1/4	3,783.77	1/4	3,424.75	1/4	3,065.73	1/4	2,706.57
1/2		1/2		1/2		1/2	4,851.16	1/2	4,493.98	1/2	4,135.31	1/2	3,776.29	1/2	3,417.27	1/2	3,058.25	1/2	2,699.08
3/4		3/4		3/4		3/4	4,843.74	3/4	4,486.52	3/4	4,127.83	3/4	3,768.81	3/4	3,409.79	3/4	3,050.77	3/4	2,691.60
3		3		3		3	4,836.32	3	4,479.06	3	4,120.35	3	3,761.33	3	3,402.31	3	3,043.29	3	2,684.12
1/4		1/4		1/4		1/4	4,828.91	1/4	4,471.61	1/4	4,112.87	1/4	3,753.85	1/4	3,394.83	1/4	3,035.81	1/4	2,676.63
1/2		1/2		1/2		1/2	4,821.49	1/2	4,464.15	1/2	4,105.39	1/2	3,746.37	1/2	3,387.35	1/2	3,028.33	1/2	2,669.15
3/4		3/4		3/4		3/4	4,814.07	3/4	4,456.69	3/4	4,097.91	3/4	3,738.89	3/4	3,379.87	3/4	3,020.85	3/4	2,661.67
4		4		4		4	4,806.65	4	4,449.23	4	4,090.43	4	3,731.41	4	3,372.39	4	3,013.37	4	2,654.18
1/4		1/4		1/4		1/4	4,799.23	1/4	4,441.77	1/4	4,082.95	1/4	3,723.93	1/4	3,364.91	1/4	3,005.89	1/4	2,646.70
1/2		1/2		1/2		1/2	4,791.82	1/2	4,434.32	1/2	4,075.47	1/2	3,716.45	1/2	3,357.43	1/2	2,998.41	1/2	2,639.21
3/4		3/4		3/4		3/4	4,784.40	3/4	4,426.86	3/4	4,067.99	3/4	3,708.97	3/4	3,349.95	3/4	2,990.93	3/4	2,631.73
5		5		5		5	4,776.98	5	4,419.40	5	4,060.51	5	3,701.49	5	3,342.47	5	2,983.45	5	2,624.25
1/4		1/4		1/4		1/4	4,769.56	1/4	4,411.94	1/4	4,053.04	1/4	3,694.01	1/4	3,334.99	1/4	2,975.97	1/4	2,616.76
1/2		1/2		1/2		1/2	4,762.14	1/2	4,404.48	1/2	4,045.56	1/2	3,686.53	1/2	3,327.51	1/2	2,968.49	1/2	2,609.28
3/4		3/4		3/4		3/4	4,754.73	3/4	4,397.03	3/4	4,038.08	3/4	3,679.06	3/4	3,320.03	3/4	2,961.01	3/4	2,601.80
6		6		6		6	4,747.31	6	4,389.57	6	4,030.60	6	3,671.58	6	3,312.55	6	2,953.53	6	2,594.31
1/4		1/4		1/4		1/4	4,739.89	1/4	4,382.11	1/4	4,023.12	1/4	3,664.10	1/4	3,305.08	1/4	2,946.04	1/4	2,586.83
1/2		1/2		1/2		1/2	5,068.60	1/2	4,732.47	1/2	4,374.64	1/2	4,015.64	1/2	3,656.62	1/2	3,297.60	1/2	2,938.56
3/4		3/4		3/4		3/4	5,064.12	3/4	4,725.05	3/4	4,367.17	3/4	4,008.16	3/4	3,649.14	3/4	3,290.12	3/4	2,931.08
7		7		7		7	5,059.64	7	4,717.64	7	4,359.69	7	4,000.68	7	3,641.66	7	3,282.64	7	2,923.59
1/4		1/4		1/4		1/4	5,055.15	1/4	4,710.22	1/4	4,352.22	1/4	3,993.20	1/4	3,634.18	1/4	3,275.16	1/4	2,916.11
1/2		1/2		1/2		1/2	5,049.60	1/2	4,702.77	1/2	4,344.74	1/2	3,985.72	1/2	3,626.70	1/2	3,267.68	1/2	2,908.62
3/4		3/4		3/4		3/4	5,044.05	3/4	4,695.32	3/4	4,337.26	3/4	3,978.24	3/4	3,619.22	3/4	3,260.20	3/4	2,901.14
8		8		8		8	5,038.50	8	4,687.87	8	4,329.78	8	3,970.76	8	3,611.74	8	3,252.72	8	2,893.66
1/4		1/4		1/4		1/4	5,032.95	1/4	4,680.43	1/4	4,322.30	1/4	3,963.28	1/4	3,604.26	1/4	3,245.24	1/4	2,886.17
1/2		1/2		1/2		1/2	5,026.33	1/2	4,672.97	1/2	4,314.82	1/2	3,955.80	1/2	3,596.78	1/2	3,237.76	1/2	2,878.69
3/4		3/4		3/4		3/4	5,019.71	3/4	4,665.51	3/4	4,307.34	3/4	3,948.32	3/4	3,589.30	3/4	3,230.28	3/4	2,871.21
9		9		9		9	5,013.09	9	4,658.05	9	4,299.86	9	3,940.84	9	3,581.82	9	3,222.80	9	2,863.72
1/4		1/4		1/4		1/4	5,006.47	1/4	4,650.60	1/4	4,292.38	1/4	3,933.36	1/4	3,574.34	1/4	3,215.32	1/4	2,856.24
1/2		1/2		1/2		1/2	4,999.19	1/2	4,643.14	1/2	4,284.90	1/2	3,925.88	1/2	3,566.86	1/2	3,207.84	1/2	2,848.76
3/4		3/4		3/4		3/4	4,991.90	3/4	4,635.68	3/4	4,277.42	3/4	3,918.40	3/4	3,559.38	3/4	3,200.36	3/4	2,841.27
10		10		10		10	4,984.61	10	4,628.22	10	4,269.94	10	3,910.92	10	3,551.90	10	3,192.88	10	2,833.79
1/4		1/4		1/4		1/4	4,977.32	1/4	4,620.76	1/4	4,262.46	1/4	3,903.44	1/4	3,544.42	1/4	3,185.40	1/4	2,826.30
1/2		1/2		1/2		1/2	4,969.90	1/2	4,613.31	1/2	4,254.98	1/2	3,895.96	1/2	3,536.94	1/2	3,177.92	1/2	2,818.82
3/4		3/4		3/4		3/4	4,962.48	3/4	4,605.85	3/4	4,247.50	3/4	3,888.48	3/4	3,529.46	3/4	3,170.44	3/4	2,811.34
11		11		11		11	4,955.05	11	4,598.39	11	4,240.03	11	3,881.00	11	3,521.98	11	3,162.96	11	2,803.85
1/4		1/4		1/4		1/4	4,947.63	1/4	4,590.93	1/4	4,232.55	1/4	3,873.52	1/4	3,514.50	1/4	3,155.48	1/4	2,796.37
1/2		1/2		1/2		1/2	4,940.21	1/2	4,583.47	1/2	4,225.07	1/2	3,866.05	1/2	3,507.02	1/2	3,148.00	1/2	2,788.89
3/4		3/4		3/4		3/4	4,932.79	3/4	4,576.02	3/4	4,217.59	3/4	3,858.57	3/4	3,499.54	3/4	3,140.52	3/4	2,781.40

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 DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 28749"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30052"

GAUGE HEIGHT 16'-09 1/4"

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	2,414.71	0	2,055.49	0	1,696.28	0	1,337.07	0	985.54	0	635.05	0	279.48	0		0			
1/4	2,407.22	1/4	2,048.01	1/4	1,688.80	1/4	1,329.58	1/4	978.36	1/4	627.76	1/4	272.20	1/4		1/4			
1/2	2,399.74	1/2	2,040.53	1/2	1,681.31	1/2	1,322.10	1/2	971.18	1/2	620.48	1/2	264.92	1/2		1/2			
3/4	2,392.26	3/4	2,033.04	3/4	1,673.83	3/4	1,314.62	3/4	964.00	3/4	613.20	3/4	257.64	3/4		3/4			
1	2,384.77	1	2,025.56	1	1,666.35	1	1,307.13	1	956.82	1	605.92	1	250.36	1		1			
1/4	2,377.29	1/4	2,018.08	1/4	1,658.86	1/4	1,299.65	1/4	949.64	1/4	598.64	1/4	243.08	1/4		1/4			
1/2	2,369.81	1/2	2,010.59	1/2	1,651.38	1/2	1,292.17	1/2	942.46	1/2	591.36	1/2	235.79	1/2		1/2			
3/4	2,362.32	3/4	2,003.11	3/4	1,643.90	3/4	1,284.68	3/4	935.28	3/4	584.08	3/4	228.51	3/4		3/4			
2	2,354.84	2	1,995.63	2	1,636.41	2	1,277.20	2	928.10	2	576.80	2	221.23	2		2			
1/4	2,347.35	1/4	1,988.14	1/4	1,628.93	1/4	1,269.72	1/4	920.92	1/4	569.51	1/4	213.95	1/4		1/4			
1/2	2,339.87	1/2	1,980.66	1/2	1,621.45	1/2	1,262.23	1/2	913.74	1/2	562.23	1/2	206.67	1/2		1/2			
3/4	2,332.39	3/4	1,973.17	3/4	1,613.96	3/4	1,254.75	3/4	906.56	3/4	554.95	3/4	199.39	3/4		3/4			
3	2,324.90	3	1,965.69	3	1,606.48	3	1,247.27	3	899.38	3	547.67	3	192.11	3		3			
1/4	2,317.42	1/4	1,958.21	1/4	1,598.99	1/4	1,239.78	1/4	892.21	1/4	540.39	1/4	184.83	1/4		1/4			
1/2	2,309.94	1/2	1,950.72	1/2	1,591.51	1/2	1,232.30	1/2	885.03	1/2	533.11	1/2	177.54	1/2		1/2			
3/4	2,302.45	3/4	1,943.24	3/4	1,584.03	3/4	1,224.81	3/4	877.85	3/4	525.83	3/4	170.26	3/4		3/4			
4	2,294.97	4	1,935.76	4	1,576.54	4	1,217.33	4	870.67	4	518.55	4	162.98	4		4			
1/4	2,287.49	1/4	1,928.27	1/4	1,569.06	1/4	1,209.85	1/4	863.49	1/4	511.26	1/4	155.70	1/4		1/4			
1/2	2,280.00	1/2	1,920.79	1/2	1,561.58	1/2	1,202.36	1/2	856.31	1/2	503.98	1/2	148.42	1/2		1/2			
3/4	2,272.52	3/4	1,913.31	3/4	1,554.09	3/4	1,194.88	3/4	849.13	3/4	496.50	3/4	141.14	3/4		3/4			
5	2,265.03	5	1,905.82	5	1,546.61	5	1,187.40	5	841.95	5	489.02	5	133.86	5		5			
1/4	2,257.55	1/4	1,898.34	1/4	1,539.13	1/4	1,179.91	1/4	834.77	1/4	481.53	1/4	126.58	1/4		1/4			
1/2	2,250.07	1/2	1,890.85	1/2	1,531.64	1/2	1,172.64	1/2	827.36	1/2	474.05	1/2	119.30	1/2		1/2			
3/4	2,242.58	3/4	1,883.37	3/4	1,524.16	3/4	1,165.37	3/4	819.96	3/4	466.57	3/4	112.01	3/4		3/4			
6	2,235.10	6	1,875.89	6	1,516.67	6	1,158.10	6	812.55	6	459.08	6	104.73	6		6			
1/4	2,227.62	1/4	1,868.40	1/4	1,509.19	1/4	1,150.83	1/4	805.14	1/4	451.60	1/4	97.45	1/4		1/4			
1/2	2,220.13	1/2	1,860.92	1/2	1,501.71	1/2	1,143.63	1/2	797.66	1/2	444.12	1/2	90.17	1/2		1/2			
3/4	2,212.65	3/4	1,853.44	3/4	1,494.22	3/4	1,136.43	3/4	790.17	3/4	436.63	3/4	82.89	3/4		3/4			
7	2,205.17	7	1,845.95	7	1,486.74	7	1,129.23	7	782.69	7	429.15	7	75.61	7		7			
1/4	2,197.68	1/4	1,838.47	1/4	1,479.26	1/4	1,122.02	1/4	775.21	1/4	421.67	1/4	68.12	1/4		1/4			
1/2	2,190.20	1/2	1,830.99	1/2	1,471.77	1/2	1,114.83	1/2	767.72	1/2	414.18	1/2	61.34	1/2		1/2			
3/4	2,182.72	3/4	1,823.50	3/4	1,464.29	3/4	1,107.64	3/4	760.24	3/4	406.70	3/4	54.56	3/4		3/4			
8	2,175.23	8	1,816.02	8	1,456.81	8	1,100.45	8	752.76	8	399.22	8	47.78	8		8			
1/4	2,167.75	1/4	1,808.54	1/4	1,449.32	1/4	1,093.26	1/4	745.27	1/4	391.73	1/4	41.00	1/4		1/4			
1/2	2,160.26	1/2	1,801.05	1/2	1,441.84	1/2	1,086.08	1/2	737.79	1/2	384.25	1/2	35.85	1/2		1/2			
3/4	2,152.78	3/4	1,793.57	3/4	1,434.36	3/4	1,078.89	3/4	730.31	3/4	376.77	3/4	30.71	3/4		3/4			
9	2,145.30	9	1,786.08	9	1,426.87	9	1,071.70	9	722.82	9	369.28	9	25.56	9		9			
1/4	2,137.81	1/4	1,778.60	1/4	1,419.39	1/4	1,064.52	1/4	715.34	1/4	361.80	1/4	20.42	1/4		1/4			
1/2	2,130.33	1/2	1,771.12	1/2	1,411.90	1/2	1,057.34	1/2	707.86	1/2	354.32	1/2		1/2		1/2			
3/4	2,122.85	3/4	1,763.63	3/4	1,404.42	3/4	1,050.15	3/4	700.58	3/4	346.83	3/4		3/4		3/4			
10	2,115.36	10	1,756.15	10	1,396.94	10	1,042.97	10	693.29	10	339.35	10		10		10			
1/4	2,107.88	1/4	1,748.67	1/4	1,389.45	1/4	1,035.79	1/4	686.01	1/4	331.87	1/4		1/4		1/4			
1/2	2,100.40	1/2	1,741.18	1/2	1,381.97	1/2	1,028.61	1/2	678.73	1/2	324.38	1/2		1/2		1/2			
3/4	2,092.91	3/4	1,733.70	3/4	1,374.49	3/4	1,021.43	3/4	671.45	3/4	316.90	3/4		3/4		3/4			
11	2,085.43	11	1,726.22	11	1,367.00	11	1,014.25	11	664.17	11	309.42	11		11		11			
1/4	2,077.94	1/4	1,718.73	1/4	1,359.52	1/4	1,007.07	1/4	656.89	1/4	301.93	1/4		1/4		1/4			
1/2	2,070.46	1/2	1,711.25	1/2	1,352.04	1/2	999.90	1/2	649.61	1/2	294.45	1/2		1/2		1/2			
3/4	2,062.98	3/4	1,703.76	3/4	1,344.55	3/4	992.72	3/4	642.33	3/4	286.96	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/03/2013 CL
 RECALCULATED: 12/05/2023 JS
 NAME CHANGE: 12/05/2023 JS

CANCELS AND SUPERCEDES
 ALL PRIOR TO 12/2023

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588
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BARGE "KIRBY 28749"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30052"

GAUGE HEIGHT 16'-08 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	4,924.44	0	4,567.56	0	4,209.07	0	3,850.05	0	3,491.03	0	3,132.01	0	2,772.87
1/4		1/4		1/4		1/4	4,917.02	1/4	4,560.11	1/4	4,201.59	1/4	3,842.57	1/4	3,483.55	1/4	3,124.53	1/4	2,765.39
1/2		1/2		1/2		1/2	4,909.60	1/2	4,552.65	1/2	4,194.11	1/2	3,835.09	1/2	3,476.07	1/2	3,117.05	1/2	2,757.91
3/4		3/4		3/4		3/4	4,902.18	3/4	4,545.19	3/4	4,186.63	3/4	3,827.61	3/4	3,468.59	3/4	3,109.57	3/4	2,750.42
1		1		1		1	4,894.76	1	4,537.73	1	4,179.15	1	3,820.13	1	3,461.11	1	3,102.09	1	2,742.94
1/4		1/4		1/4		1/4	4,887.34	1/4	4,530.27	1/4	4,171.67	1/4	3,812.65	1/4	3,453.63	1/4	3,094.61	1/4	2,735.45
1/2		1/2		1/2		1/2	4,879.92	1/2	4,522.82	1/2	4,164.19	1/2	3,805.17	1/2	3,446.15	1/2	3,087.13	1/2	2,727.97
3/4		3/4		3/4		3/4	4,872.50	3/4	4,515.36	3/4	4,156.71	3/4	3,797.69	3/4	3,438.67	3/4	3,079.65	3/4	2,720.49
2		2		2		2	4,865.08	2	4,507.90	2	4,149.23	2	3,790.21	2	3,431.19	2	3,072.17	2	2,713.00
1/4		1/4		1/4		1/4	4,857.66	1/4	4,500.44	1/4	4,141.75	1/4	3,782.73	1/4	3,423.71	1/4	3,064.69	1/4	2,705.52
1/2		1/2		1/2		1/2	4,850.25	1/2	4,492.98	1/2	4,134.27	1/2	3,775.25	1/2	3,416.23	1/2	3,057.21	1/2	2,698.04
3/4		3/4		3/4		3/4	4,842.83	3/4	4,485.53	3/4	4,126.79	3/4	3,767.77	3/4	3,408.75	3/4	3,049.73	3/4	2,690.55
3		3		3		3	4,835.41	3	4,478.07	3	4,119.31	3	3,760.29	3	3,401.27	3	3,042.25	3	2,683.07
1/4		1/4		1/4		1/4	4,827.99	1/4	4,470.61	1/4	4,111.83	1/4	3,752.81	1/4	3,393.79	1/4	3,034.77	1/4	2,675.59
1/2		1/2		1/2		1/2	4,820.57	1/2	4,463.15	1/2	4,104.35	1/2	3,745.33	1/2	3,386.31	1/2	3,027.29	1/2	2,668.10
3/4		3/4		3/4		3/4	4,813.16	3/4	4,455.70	3/4	4,096.87	3/4	3,737.85	3/4	3,378.83	3/4	3,019.81	3/4	2,660.62
4		4		4		4	4,805.74	4	4,448.24	4	4,089.39	4	3,730.37	4	3,371.35	4	3,012.33	4	2,653.14
1/4		1/4		1/4		1/4	4,798.32	1/4	4,440.78	1/4	4,081.92	1/4	3,722.89	1/4	3,363.87	1/4	3,004.85	1/4	2,645.65
1/2		1/2		1/2		1/2	4,790.90	1/2	4,433.32	1/2	4,074.44	1/2	3,715.41	1/2	3,356.39	1/2	2,997.37	1/2	2,638.17
3/4		3/4		3/4		3/4	4,783.48	3/4	4,425.86	3/4	4,066.96	3/4	3,707.94	3/4	3,348.91	3/4	2,989.89	3/4	2,630.68
5		5		5		5	4,776.06	5	4,418.41	5	4,059.48	5	3,700.46	5	3,341.43	5	2,982.41	5	2,623.20
1/4		1/4		1/4		1/4	4,768.65	1/4	4,410.95	1/4	4,052.00	1/4	3,692.98	1/4	3,333.95	1/4	2,974.93	1/4	2,615.72
1/2		1/2		1/2		1/2	4,761.23	1/2	4,403.49	1/2	4,044.52	1/2	3,685.50	1/2	3,326.48	1/2	2,967.45	1/2	2,608.23
3/4		3/4		3/4		3/4	4,753.81	3/4	4,396.03	3/4	4,037.04	3/4	3,678.02	3/4	3,319.00	3/4	2,959.96	3/4	2,600.75
6		6		6	5,082.53	6	4,746.39	6	4,388.56	6	4,029.56	6	3,670.54	6	3,311.52	6	2,952.48	6	2,593.27
1/4		1/4		1/4	5,078.05	1/4	4,738.97	1/4	4,381.09	1/4	4,022.08	1/4	3,663.06	1/4	3,304.04	1/4	2,945.00	1/4	2,585.78
1/2		1/2		1/2	5,073.57	1/2	4,731.56	1/2	4,373.61	1/2	4,014.60	1/2	3,655.58	1/2	3,296.56	1/2	2,937.51	1/2	2,578.30
3/4		3/4		3/4	5,069.08	3/4	4,724.14	3/4	4,366.14	3/4	4,007.12	3/4	3,648.10	3/4	3,289.08	3/4	2,930.03	3/4	2,570.82
7		7		7	5,063.53	7	4,716.69	7	4,358.66	7	3,999.64	7	3,640.62	7	3,281.60	7	2,922.54	7	2,563.33
1/4		1/4		1/4	5,057.98	1/4	4,709.24	1/4	4,351.18	1/4	3,992.16	1/4	3,633.14	1/4	3,274.12	1/4	2,915.06	1/4	2,555.85
1/2		1/2		1/2	5,052.43	1/2	4,701.80	1/2	4,343.70	1/2	3,984.68	1/2	3,625.66	1/2	3,266.64	1/2	2,907.58	1/2	2,548.36
3/4		3/4		3/4	5,046.88	3/4	4,694.35	3/4	4,336.22	3/4	3,977.20	3/4	3,618.18	3/4	3,259.16	3/4	2,900.09	3/4	2,540.88
8		8		8	5,040.26	8	4,686.89	8	4,328.74	8	3,969.72	8	3,610.70	8	3,251.68	8	2,892.61	8	2,533.40
1/4		1/4		1/4	5,033.64	1/4	4,679.43	1/4	4,321.26	1/4	3,962.24	1/4	3,603.22	1/4	3,244.20	1/4	2,885.13	1/4	2,525.91
1/2		1/2		1/2	5,027.02	1/2	4,671.97	1/2	4,313.78	1/2	3,954.76	1/2	3,595.74	1/2	3,236.72	1/2	2,877.64	1/2	2,518.43
3/4		3/4		3/4	5,020.40	3/4	4,664.52	3/4	4,306.30	3/4	3,947.28	3/4	3,588.26	3/4	3,229.24	3/4	2,870.16	3/4	2,510.95
9		9		9	5,013.11	9	4,657.06	9	4,298.82	9	3,939.80	9	3,580.78	9	3,221.76	9	2,862.68	9	2,503.46
1/4		1/4		1/4	5,005.82	1/4	4,649.60	1/4	4,291.34	1/4	3,932.32	1/4	3,573.30	1/4	3,214.28	1/4	2,855.19	1/4	2,495.98
1/2		1/2		1/2	4,998.53	1/2	4,642.14	1/2	4,283.86	1/2	3,924.84	1/2	3,565.82	1/2	3,206.80	1/2	2,847.71	1/2	2,488.50
3/4		3/4		3/4	4,991.24	3/4	4,634.69	3/4	4,276.38	3/4	3,917.36	3/4	3,558.34	3/4	3,199.32	3/4	2,840.23	3/4	2,481.01
10		10		10	4,983.82	10	4,627.23	10	4,268.91	10	3,909.88	10	3,550.86	10	3,191.84	10	2,832.74	10	2,473.53
1/4		1/4		1/4	4,976.40	1/4	4,619.77	1/4	4,261.43	1/4	3,902.40	1/4	3,543.38	1/4	3,184.36	1/4	2,825.26	1/4	2,466.05
1/2		1/2		1/2	4,968.98	1/2	4,612.31	1/2	4,253.95	1/2	3,894.93	1/2	3,535.90	1/2	3,176.88	1/2	2,817.77	1/2	2,458.56
3/4		3/4		3/4	4,961.55	3/4	4,604.85	3/4	4,246.47	3/4	3,887.45	3/4	3,528.42	3/4	3,169.40	3/4	2,810.29	3/4	2,451.08
11		11		11	4,954.13	11	4,597.40	11	4,238.99	11	3,879.97	11	3,520.95	11	3,161.92	11	2,802.81	11	2,443.59
1/4		1/4		1/4	4,946.71	1/4	4,589.94	1/4	4,231.51	1/4	3,872.49	1/4	3,513.47	1/4	3,154.44	1/4	2,795.32	1/4	2,436.11
1/2		1/2		1/2	4,939.29	1/2	4,582.48	1/2	4,224.03	1/2	3,865.01	1/2	3,505.99	1/2	3,146.96	1/2	2,787.84	1/2	2,428.63
3/4		3/4		3/4	4,931.87	3/4	4,575.02	3/4	4,216.55	3/4	3,857.53	3/4	3,498.51	3/4	3,139.49	3/4	2,780.36	3/4	2,421.14

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 DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

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BARGE "KIRBY 28749"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30052"

GAUGE HEIGHT 16'-08 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	2,413.66	0	2,054.45	0	1,695.23	0	1,336.02	0	977.01	0	620.49	0	264.92	0		0		0	
1/4	2,406.18	1/4	2,046.96	1/4	1,687.75	1/4	1,328.54	1/4	969.54	1/4	613.21	1/4	257.64	1/4		1/4		1/4	
1/2	2,398.69	1/2	2,039.48	1/2	1,680.27	1/2	1,321.05	1/2	962.07	1/2	605.92	1/2	250.36	1/2		1/2		1/2	
3/4	2,391.21	3/4	2,032.00	3/4	1,672.78	3/4	1,313.57	3/4	954.60	3/4	598.64	3/4	243.08	3/4		3/4		3/4	
1	2,383.73	1	2,024.51	1	1,665.30	1	1,306.09	1	947.13	1	591.36	1	235.80	1		1		1	
1/4	2,376.24	1/4	2,017.03	1/4	1,657.82	1/4	1,298.60	1/4	939.66	1/4	584.08	1/4	228.52	1/4		1/4		1/4	
1/2	2,368.76	1/2	2,009.55	1/2	1,650.33	1/2	1,291.12	1/2	932.19	1/2	576.80	1/2	221.24	1/2		1/2		1/2	
3/4	2,361.27	3/4	2,002.06	3/4	1,642.85	3/4	1,283.64	3/4	924.72	3/4	569.52	3/4	213.96	3/4		3/4		3/4	
2	2,353.79	2	1,994.58	2	1,635.37	2	1,276.15	2	917.25	2	562.24	2	206.67	2		2		2	
1/4	2,346.31	1/4	1,987.09	1/4	1,627.88	1/4	1,268.67	1/4	909.77	1/4	554.96	1/4	199.39	1/4		1/4		1/4	
1/2	2,338.82	1/2	1,979.61	1/2	1,620.40	1/2	1,261.19	1/2	902.30	1/2	547.68	1/2	192.11	1/2		1/2		1/2	
3/4	2,331.34	3/4	1,972.13	3/4	1,612.91	3/4	1,253.70	3/4	894.83	3/4	540.39	3/4	184.83	3/4		3/4		3/4	
3	2,323.86	3	1,964.64	3	1,605.43	3	1,246.22	3	887.36	3	533.11	3	177.55	3		3		3	
1/4	2,316.37	1/4	1,957.16	1/4	1,597.95	1/4	1,238.73	1/4	879.89	1/4	525.83	1/4	170.27	1/4		1/4		1/4	
1/2	2,308.89	1/2	1,949.68	1/2	1,590.46	1/2	1,231.25	1/2	872.42	1/2	518.55	1/2	162.99	1/2		1/2		1/2	
3/4	2,301.41	3/4	1,942.19	3/4	1,582.98	3/4	1,223.77	3/4	864.95	3/4	511.27	3/4	155.71	3/4		3/4		3/4	
4	2,293.92	4	1,934.71	4	1,575.50	4	1,216.28	4	857.48	4	503.99	4	148.42	4		4		4	
1/4	2,286.44	1/4	1,927.23	1/4	1,568.01	1/4	1,208.80	1/4	850.01	1/4	496.50	1/4	141.14	1/4		1/4		1/4	
1/2	2,278.96	1/2	1,919.74	1/2	1,560.53	1/2	1,201.32	1/2	842.54	1/2	489.02	1/2	133.86	1/2		1/2		1/2	
3/4	2,271.47	3/4	1,912.26	3/4	1,553.05	3/4	1,193.83	3/4	835.07	3/4	481.54	3/4	126.58	3/4		3/4		3/4	
5	2,263.99	5	1,904.78	5	1,545.56	5	1,186.35	5	827.59	5	474.05	5	119.30	5		5		5	
1/4	2,256.50	1/4	1,897.29	1/4	1,538.08	1/4	1,178.87	1/4	820.11	1/4	466.57	1/4	112.02	1/4		1/4		1/4	
1/2	2,249.02	1/2	1,889.81	1/2	1,530.60	1/2	1,171.38	1/2	812.63	1/2	459.09	1/2	104.74	1/2		1/2		1/2	
3/4	2,241.54	3/4	1,882.32	3/4	1,523.11	3/4	1,163.90	3/4	805.15	3/4	451.60	3/4	97.46	3/4		3/4		3/4	
6	2,234.05	6	1,874.84	6	1,515.63	6	1,156.42	6	797.66	6	444.12	6	90.17	6		6		6	
1/4	2,226.57	1/4	1,867.36	1/4	1,508.14	1/4	1,148.93	1/4	790.18	1/4	436.64	1/4	82.89	1/4		1/4		1/4	
1/2	2,219.09	1/2	1,859.87	1/2	1,500.66	1/2	1,141.45	1/2	782.70	1/2	429.15	1/2	75.61	1/2		1/2		1/2	
3/4	2,211.60	3/4	1,852.39	3/4	1,493.18	3/4	1,133.96	3/4	775.21	3/4	421.67	3/4	68.13	3/4		3/4		3/4	
7	2,204.12	7	1,844.91	7	1,485.69	7	1,126.49	7	767.73	7	414.19	7	61.35	7		7		7	
1/4	2,196.64	1/4	1,837.42	1/4	1,478.21	1/4	1,119.01	1/4	760.25	1/4	406.70	1/4	54.57	1/4		1/4		1/4	
1/2	2,189.15	1/2	1,829.94	1/2	1,470.73	1/2	1,111.53	1/2	752.76	1/2	399.22	1/2	47.78	1/2		1/2		1/2	
3/4	2,181.67	3/4	1,822.46	3/4	1,463.24	3/4	1,104.05	3/4	745.28	3/4	391.74	3/4	41.00	3/4		3/4		3/4	
8	2,174.18	8	1,814.97	8	1,455.76	8	1,096.57	8	737.80	8	384.25	8	35.86	8		8		8	
1/4	2,166.70	1/4	1,807.49	1/4	1,448.28	1/4	1,089.09	1/4	730.31	1/4	376.77	1/4	30.71	1/4		1/4		1/4	
1/2	2,159.22	1/2	1,800.00	1/2	1,440.79	1/2	1,081.61	1/2	722.83	1/2	369.29	1/2	25.57	1/2		1/2		1/2	
3/4	2,151.73	3/4	1,792.52	3/4	1,433.31	3/4	1,074.14	3/4	715.34	3/4	361.80	3/4	20.42	3/4		3/4		3/4	
9	2,144.25	9	1,785.04	9	1,425.82	9	1,066.66	9	707.86	9	354.32	9		9		9		9	
1/4	2,136.77	1/4	1,777.55	1/4	1,418.34	1/4	1,059.19	1/4	700.58	1/4	346.84	1/4		1/4		1/4		1/4	
1/2	2,129.28	1/2	1,770.07	1/2	1,410.86	1/2	1,051.72	1/2	693.30	1/2	339.35	1/2		1/2		1/2		1/2	
3/4	2,121.80	3/4	1,762.59	3/4	1,403.37	3/4	1,044.25	3/4	686.02	3/4	331.86	3/4		3/4		3/4		3/4	
10	2,114.32	10	1,755.10	10	1,395.89	10	1,036.78	10	678.74	10	324.39	10		10		10		10	
1/4	2,106.83	1/4	1,747.62	1/4	1,388.41	1/4	1,029.31	1/4	671.46	1/4	316.90	1/4		1/4		1/4		1/4	
1/2	2,099.35	1/2	1,740.14	1/2	1,380.92	1/2	1,021.83	1/2	664.17	1/2	309.42	1/2		1/2		1/2		1/2	
3/4	2,091.87	3/4	1,732.65	3/4	1,373.44	3/4	1,014.36	3/4	656.89	3/4	301.94	3/4		3/4		3/4		3/4	
11	2,084.38	11	1,725.17	11	1,365.96	11	1,006.89	11	649.61	11	294.45	11		11		11		11	
1/4	2,076.90	1/4	1,717.69	1/4	1,358.47	1/4	999.42	1/4	642.33	1/4	286.97	1/4		1/4		1/4		1/4	
1/2	2,069.41	1/2	1,710.20	1/2	1,350.99	1/2	991.95	1/2	635.05	1/2	279.49	1/2		1/2		1/2		1/2	
3/4	2,061.93	3/4	1,702.72	3/4	1,343.51	3/4	984.48	3/4	627.77	3/4	272.20	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/03/2013 CL
RECALCULATED: 12/05/2023 JS
NAME CHANGE: 12/05/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 28749"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30052"

GAUGE HEIGHT 16'-09 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	4,080.34	0	3,945.41	0	3,809.35	0	3,672.90	0	3,476.85	0	3,120.93	0	2,764.29
1/4		1/4		1/4		1/4	4,077.53	1/4	3,942.58	1/4	3,806.51	1/4	3,670.06	1/4	3,469.44	1/4	3,113.50	1/4	2,756.86
1/2		1/2		1/2		1/2	4,074.73	1/2	3,939.75	1/2	3,803.67	1/2	3,667.22	1/2	3,462.03	1/2	3,106.07	1/2	2,749.43
3/4		3/4		3/4		3/4	4,071.92	3/4	3,936.92	3/4	3,800.82	3/4	3,664.37	3/4	3,454.62	3/4	3,098.64	3/4	2,742.00
1		1		1		1	4,069.12	1	3,934.10	1	3,797.98	1	3,661.53	1	3,447.22	1	3,091.21	1	2,734.57
1/4		1/4		1/4		1/4	4,066.32	1/4	3,931.27	1/4	3,795.14	1/4	3,658.69	1/4	3,439.81	1/4	3,083.78	1/4	2,727.14
1/2		1/2		1/2		1/2	4,063.51	1/2	3,928.44	1/2	3,792.29	1/2	3,655.84	1/2	3,432.40	1/2	3,076.36	1/2	2,719.71
3/4		3/4		3/4		3/4	4,060.71	3/4	3,925.61	3/4	3,789.45	3/4	3,653.00	3/4	3,424.99	3/4	3,068.93	3/4	2,712.27
2		2		2		2	4,057.91	2	3,922.78	2	3,786.61	2	3,650.16	2	3,417.59	2	3,061.50	2	2,704.84
1/4		1/4		1/4		1/4	4,055.11	1/4	3,919.95	1/4	3,783.77	1/4	3,647.32	1/4	3,410.18	1/4	3,054.07	1/4	2,697.41
1/2		1/2		1/2		1/2	4,052.31	1/2	3,917.13	1/2	3,780.92	1/2	3,644.47	1/2	3,402.77	1/2	3,046.64	1/2	2,689.98
3/4		3/4		3/4		3/4	4,049.51	3/4	3,914.30	3/4	3,778.08	3/4	3,641.63	3/4	3,395.36	3/4	3,039.21	3/4	2,682.55
3		3		3		3	4,046.71	3	3,911.47	3	3,775.24	3	3,638.79	3	3,387.95	3	3,031.78	3	2,675.12
1/4		1/4		1/4		1/4	4,043.91	1/4	3,908.64	1/4	3,772.40	1/4	3,635.95	1/4	3,380.55	1/4	3,024.36	1/4	2,667.69
1/2		1/2		1/2		1/2	4,041.10	1/2	3,905.81	1/2	3,769.55	1/2	3,633.10	1/2	3,373.14	1/2	3,016.93	1/2	2,660.26
3/4		3/4		3/4		3/4	4,038.30	3/4	3,902.99	3/4	3,766.71	3/4	3,630.26	3/4	3,365.73	3/4	3,009.50	3/4	2,652.83
4		4		4		4	4,035.50	4	3,900.16	4	3,763.87	4	3,627.42	4	3,358.32	4	3,002.07	4	2,645.39
1/4		1/4		1/4		1/4	4,032.70	1/4	3,897.33	1/4	3,761.02	1/4	3,624.58	1/4	3,350.92	1/4	2,994.64	1/4	2,637.96
1/2		1/2		1/2		1/2	4,029.90	1/2	3,894.50	1/2	3,758.18	1/2	3,621.73	1/2	3,343.51	1/2	2,987.21	1/2	2,630.53
3/4		3/4		3/4		3/4	4,027.10	3/4	3,891.67	3/4	3,755.34	3/4	3,618.89	3/4	3,336.10	3/4	2,979.78	3/4	2,623.10
5		5		5		5	4,024.30	5	3,888.84	5	3,752.50	5	3,616.05	5	3,328.69	5	2,972.36	5	2,615.67
1/4		1/4		1/4		1/4	4,021.50	1/4	3,886.02	1/4	3,749.65	1/4	3,613.20	1/4	3,321.29	1/4	2,964.93	1/4	2,608.24
1/2		1/2		1/2		1/2	4,018.70	1/2	3,883.19	1/2	3,746.81	1/2	3,610.36	1/2	3,313.88	1/2	2,957.50	1/2	2,600.81
3/4		3/4		3/4		3/4	4,015.90	3/4	3,880.36	3/4	3,743.97	3/4	3,607.52	3/4	3,306.47	3/4	2,950.07	3/4	2,593.37
6		6		6		6	4,013.10	6	3,877.53	6	3,741.13	6	3,604.68	6	3,299.06	6	2,942.64	6	2,585.94
1/4		1/4		1/4		1/4	4,010.29	1/4	3,874.70	1/4	3,738.28	1/4	3,601.83	1/4	3,291.65	1/4	2,935.21	1/4	2,578.50
1/2		1/2		1/2		1/2	4,007.49	1/2	3,871.88	1/2	3,735.44	1/2	3,598.99	1/2	3,284.25	1/2	2,927.78	1/2	2,571.06
3/4		3/4		3/4		3/4	4,119.99	3/4	4,004.69	3/4	3,869.04	3/4	3,732.60	3/4	3,596.15	3/4	3,276.84	3/4	2,920.35
7		7		7		7	4,119.87	7	4,001.89	7	3,866.20	7	3,729.75	7	3,593.31	7	3,269.43	7	2,912.91
1/4		1/4		1/4		1/4	4,119.74	1/4	3,999.09	1/4	3,863.36	1/4	3,726.91	1/4	3,590.46	1/4	3,262.02	1/4	2,905.48
1/2		1/2		1/2		1/2	4,119.62	1/2	3,996.29	1/2	3,860.52	1/2	3,724.07	1/2	3,587.62	1/2	3,254.62	1/2	2,898.05
3/4		3/4		3/4		3/4	4,118.68	3/4	3,993.47	3/4	3,857.68	3/4	3,721.23	3/4	3,584.78	3/4	3,247.19	3/4	2,890.62
8		8		8		8	4,117.74	8	3,990.65	8	3,854.83	8	3,718.38	8	3,581.93	8	3,239.77	8	2,883.19
1/4		1/4		1/4		1/4	4,116.80	1/4	3,987.82	1/4	3,851.99	1/4	3,715.54	1/4	3,579.09	1/4	3,232.35	1/4	2,875.76
1/2		1/2		1/2		1/2	4,115.86	1/2	3,985.00	1/2	3,849.15	1/2	3,712.70	1/2	3,576.25	1/2	3,224.93	1/2	2,868.33
3/4		3/4		3/4		3/4	4,113.85	3/4	3,982.18	3/4	3,846.31	3/4	3,709.86	3/4	3,569.95	3/4	3,217.50	3/4	2,860.90
9		9		9		9	4,111.85	9	3,979.35	9	3,843.46	9	3,707.01	9	3,563.65	9	3,210.07	9	2,853.47
1/4		1/4		1/4		1/4	4,109.84	1/4	3,976.52	1/4	3,840.62	1/4	3,704.17	1/4	3,557.36	1/4	3,202.64	1/4	2,846.03
1/2		1/2		1/2		1/2	4,107.84	1/2	3,973.69	1/2	3,837.78	1/2	3,701.33	1/2	3,551.06	1/2	3,195.21	1/2	2,838.60
3/4		3/4		3/4		3/4	4,105.17	3/4	3,970.86	3/4	3,834.93	3/4	3,698.49	3/4	3,543.63	3/4	3,187.78	3/4	2,831.17
10		10		10		10	4,102.50	10	3,968.03	10	3,832.09	10	3,695.64	10	3,536.21	10	3,180.35	10	2,823.74
1/4		1/4		1/4		1/4	4,099.83	1/4	3,965.21	1/4	3,829.25	1/4	3,692.80	1/4	3,528.78	1/4	3,172.93	1/4	2,816.31
1/2		1/2		1/2		1/2	4,097.16	1/2	3,962.38	1/2	3,826.41	1/2	3,689.96	1/2	3,521.35	1/2	3,165.50	1/2	2,808.88
3/4		3/4		3/4		3/4	4,094.35	3/4	3,959.55	3/4	3,823.56	3/4	3,687.11	3/4	3,513.93	3/4	3,158.07	3/4	2,801.45
11		11		11		11	4,091.55	11	3,956.72	11	3,820.72	11	3,684.27	11	3,506.51	11	3,150.64	11	2,794.02
1/4		1/4		1/4		1/4	4,088.75	1/4	3,953.89	1/4	3,817.88	1/4	3,681.43	1/4	3,499.09	1/4	3,143.21	1/4	2,786.59
1/2		1/2		1/2		1/2	4,085.94	1/2	3,951.06	1/2	3,815.04	1/2	3,678.59	1/2	3,491.67	1/2	3,135.78	1/2	2,779.15
3/4		3/4		3/4		3/4	4,083.14	3/4	3,948.24	3/4	3,812.19	3/4	3,675.74	3/4	3,484.26	3/4	3,128.35	3/4	2,771.72

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 DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 56'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28749"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30052"

GAUGE HEIGHT 16'-09 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	2,407.76	0	2,053.17	0	1,697.58	0	1,340.53	0	989.01	0	638.95	0	285.57	0		0		0	
1/4	2,400.36	1/4	2,045.80	1/4	1,690.14	1/4	1,333.09	1/4	981.80	1/4	631.71	1/4	278.13	1/4		1/4		1/4	
1/2	2,392.96	1/2	2,038.42	1/2	1,682.70	1/2	1,325.65	1/2	974.59	1/2	624.47	1/2	270.89	1/2		1/2		1/2	
3/4	2,385.56	3/4	2,031.05	3/4	1,675.26	3/4	1,318.21	3/4	967.38	3/4	617.23	3/4	263.65	3/4		3/4		3/4	
1	2,378.16	1	2,023.67	1	1,667.82	1	1,310.77	1	960.17	1	609.99	1	256.41	1		1		1	
1/4	2,370.76	1/4	2,016.30	1/4	1,660.38	1/4	1,303.34	1/4	952.96	1/4	602.75	1/4	249.17	1/4		1/4		1/4	
1/2	2,363.36	1/2	2,008.92	1/2	1,652.95	1/2	1,295.90	1/2	945.75	1/2	595.51	1/2	241.93	1/2		1/2		1/2	
3/4	2,355.96	3/4	2,001.54	3/4	1,645.51	3/4	1,288.46	3/4	938.55	3/4	588.27	3/4	234.69	3/4		3/4		3/4	
2	2,348.56	2	1,994.17	2	1,638.07	2	1,281.02	2	931.34	2	581.02	2	227.45	2		2		2	
1/4	2,341.16	1/4	1,986.79	1/4	1,630.63	1/4	1,273.58	1/4	924.13	1/4	573.78	1/4	220.21	1/4		1/4		1/4	
1/2	2,333.76	1/2	1,979.42	1/2	1,623.19	1/2	1,266.14	1/2	916.92	1/2	566.54	1/2	212.97	1/2		1/2		1/2	
3/4	2,326.36	3/4	1,972.04	3/4	1,615.75	3/4	1,258.71	3/4	909.71	3/4	559.30	3/4	205.73	3/4		3/4		3/4	
3	2,318.96	3	1,964.67	3	1,608.31	3	1,251.27	3	902.50	3	552.06	3	198.48	3		3		3	
1/4	2,311.56	1/4	1,957.29	1/4	1,600.88	1/4	1,243.83	1/4	895.29	1/4	544.82	1/4	191.24	1/4		1/4		1/4	
1/2	2,304.16	1/2	1,949.92	1/2	1,593.44	1/2	1,236.39	1/2	888.08	1/2	537.58	1/2	184.00	1/2		1/2		1/2	
3/4	2,296.76	3/4	1,942.54	3/4	1,586.00	3/4	1,228.95	3/4	880.88	3/4	530.34	3/4	176.76	3/4		3/4		3/4	
4	2,289.36	4	1,935.16	4	1,578.56	4	1,221.51	4	873.67	4	523.10	4	169.52	4		4		4	
1/4	2,281.96	1/4	1,927.79	1/4	1,571.12	1/4	1,214.07	1/4	866.46	1/4	515.86	1/4	162.28	1/4		1/4		1/4	
1/2	2,274.56	1/2	1,920.41	1/2	1,563.68	1/2	1,206.64	1/2	859.25	1/2	508.61	1/2	155.04	1/2		1/2		1/2	
3/4	2,267.16	3/4	1,913.04	3/4	1,556.25	3/4	1,199.20	3/4	852.04	3/4	501.37	3/4	147.79	3/4		3/4		3/4	
5	2,259.76	5	1,905.66	5	1,548.81	5	1,191.76	5	844.83	5	493.93	5	140.55	5		5		5	
1/4	2,252.36	1/4	1,898.29	1/4	1,541.37	1/4	1,184.32	1/4	837.62	1/4	486.49	1/4	133.31	1/4		1/4		1/4	
1/2	2,244.96	1/2	1,890.91	1/2	1,533.93	1/2	1,176.88	1/2	830.41	1/2	479.04	1/2	126.06	1/2		1/2		1/2	
3/4	2,237.56	3/4	1,883.49	3/4	1,526.49	3/4	1,169.60	3/4	823.03	3/4	471.60	3/4	118.82	3/4		3/4		3/4	
6	2,230.20	6	1,876.07	6	1,519.05	6	1,162.32	6	815.65	6	464.16	6	111.57	6		6		6	
1/4	2,222.82	1/4	1,868.65	1/4	1,511.61	1/4	1,155.04	1/4	808.26	1/4	456.72	1/4	104.32	1/4		1/4		1/4	
1/2	2,215.44	1/2	1,861.22	1/2	1,504.18	1/2	1,147.76	1/2	800.88	1/2	449.28	1/2	97.08	1/2		1/2		1/2	
3/4	2,208.06	3/4	1,853.79	3/4	1,496.74	3/4	1,140.53	3/4	793.44	3/4	441.84	3/4	89.83	3/4		3/4		3/4	
7	2,200.69	7	1,846.35	7	1,489.30	7	1,133.30	7	785.99	7	434.40	7	82.58	7		7		7	
1/4	2,193.31	1/4	1,838.91	1/4	1,481.86	1/4	1,126.07	1/4	778.55	1/4	426.95	1/4	75.32	1/4		1/4		1/4	
1/2	2,185.93	1/2	1,831.47	1/2	1,474.42	1/2	1,118.85	1/2	771.11	1/2	419.51	1/2	67.87	1/2		1/2		1/2	
3/4	2,178.56	3/4	1,824.03	3/4	1,466.98	3/4	1,111.63	3/4	763.67	3/4	412.07	3/4	61.12	3/4		3/4		3/4	
8	2,171.18	8	1,816.59	8	1,459.54	8	1,104.41	8	756.22	8	404.63	8	54.36	8		8		8	
1/4	2,163.81	1/4	1,809.15	1/4	1,452.11	1/4	1,097.19	1/4	748.78	1/4	397.19	1/4	47.60	1/4		1/4		1/4	
1/2	2,156.43	1/2	1,801.72	1/2	1,444.67	1/2	1,089.97	1/2	741.34	1/2	389.75	1/2	40.85	1/2		1/2		1/2	
3/4	2,149.06	3/4	1,794.28	3/4	1,437.23	3/4	1,082.75	3/4	733.89	3/4	382.31	3/4	35.72	3/4		3/4		3/4	
9	2,141.68	9	1,786.84	9	1,429.79	9	1,075.54	9	726.45	9	374.86	9	30.60	9		9		9	
1/4	2,134.31	1/4	1,779.40	1/4	1,422.35	1/4	1,068.32	1/4	719.01	1/4	367.42	1/4	25.47	1/4		1/4		1/4	
1/2	2,126.93	1/2	1,771.96	1/2	1,414.91	1/2	1,061.10	1/2	711.57	1/2	359.98	1/2	20.35	1/2		1/2		1/2	
3/4	2,119.55	3/4	1,764.52	3/4	1,407.48	3/4	1,053.89	3/4	704.12	3/4	352.54	3/4		3/4		3/4		3/4	
10	2,112.18	10	1,757.08	10	1,400.04	10	1,046.68	10	696.88	10	345.10	10		10		10		10	
1/4	2,104.80	1/4	1,749.65	1/4	1,392.60	1/4	1,039.47	1/4	689.64	1/4	337.66	1/4		1/4		1/4		1/4	
1/2	2,097.43	1/2	1,742.21	1/2	1,385.16	1/2	1,032.26	1/2	682.40	1/2	330.22	1/2		1/2		1/2		1/2	
3/4	2,090.05	3/4	1,734.77	3/4	1,377.72	3/4	1,025.05	3/4	675.16	3/4	322.78	3/4		3/4		3/4		3/4	
11	2,082.68	11	1,727.33	11	1,370.28	11	1,017.84	11	667.92	11	315.33	11		11		11		11	
1/4	2,075.30	1/4	1,719.89	1/4	1,362.84	1/4	1,010.63	1/4	660.68	1/4	307.89	1/4		1/4		1/4		1/4	
1/2	2,067.93	1/2	1,712.45	1/2	1,355.41	1/2	1,003.43	1/2	653.44	1/2	300.45	1/2		1/2		1/2		1/2	
3/4	2,060.55	3/4	1,705.02	3/4	1,347.97	3/4	996.22	3/4	646.19	3/4	293.01	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/03/2013 CL
RECALCULATED: 12/05/2023 JS
NAME CHANGE: 12/05/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

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BARGE "KIRBY 28749"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30052"

GAUGE HEIGHT 16'-09 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.		
0		0		0		0	4,098.88	0	3,963.98	0	3,827.96	0	3,691.57	0	3,490.92	0	3,134.19	0	2,776.78		
1/4		1/4		1/4		1/4	4,096.08	1/4	3,961.15	1/4	3,825.12	1/4	3,688.73	1/4	3,483.49	1/4	3,126.75	1/4	2,769.33		
1/2		1/2		1/2		1/2	4,093.27	1/2	3,958.33	1/2	3,822.28	1/2	3,685.88	1/2	3,476.07	1/2	3,119.30	1/2	2,761.88		
3/4		3/4		3/4		3/4	4,090.47	3/4	3,955.50	3/4	3,819.44	3/4	3,683.04	3/4	3,468.65	3/4	3,111.86	3/4	2,754.44		
1		1		1		1	4,087.67	1	3,952.67	1	3,816.60	1	3,680.20	1	3,461.22	1	3,104.42	1	2,746.99		
1/4		1/4		1/4		1/4	4,084.87	1/4	3,949.85	1/4	3,813.76	1/4	3,677.36	1/4	3,453.80	1/4	3,096.97	1/4	2,739.54		
1/2		1/2		1/2		1/2	4,082.07	1/2	3,947.02	1/2	3,810.92	1/2	3,674.52	1/2	3,446.37	1/2	3,089.53	1/2	2,732.09		
3/4		3/4		3/4		3/4	4,079.26	3/4	3,944.19	3/4	3,808.07	3/4	3,671.68	3/4	3,438.95	3/4	3,082.08	3/4	2,724.65		
2		2		2		2	4,076.46	2	3,941.37	2	3,805.23	2	3,668.84	2	3,431.53	2	3,074.64	2	2,717.20		
1/4		1/4		1/4		1/4	4,073.66	1/4	3,938.54	1/4	3,802.39	1/4	3,665.99	1/4	3,424.10	1/4	3,067.19	1/4	2,709.75		
1/2		1/2		1/2		1/2	4,070.86	1/2	3,935.71	1/2	3,799.55	1/2	3,663.15	1/2	3,416.68	1/2	3,059.75	1/2	2,702.31		
3/4		3/4		3/4		3/4	4,068.06	3/4	3,932.88	3/4	3,796.71	3/4	3,660.31	3/4	3,409.25	3/4	3,052.30	3/4	2,694.86		
3		3		3		3	4,065.26	3	3,930.06	3	3,793.87	3	3,657.47	3	3,401.83	3	3,044.86	3	2,687.41		
1/4		1/4		1/4		1/4	4,062.46	1/4	3,927.23	1/4	3,791.02	1/4	3,654.63	1/4	3,394.41	1/4	3,037.41	1/4	2,679.96		
1/2		1/2		1/2		1/2	4,059.66	1/2	3,924.40	1/2	3,788.18	1/2	3,651.79	1/2	3,386.98	1/2	3,029.97	1/2	2,672.52		
3/4		3/4		3/4		3/4	4,056.87	3/4	3,921.58	3/4	3,785.34	3/4	3,648.94	3/4	3,379.56	3/4	3,022.52	3/4	2,665.07		
4		4		4		4	4,054.07	4	3,918.75	4	3,782.50	4	3,646.10	4	3,372.13	4	3,015.08	4	2,657.62		
1/4		1/4		1/4		1/4	4,051.27	1/4	3,915.92	1/4	3,779.66	1/4	3,643.26	1/4	3,364.71	1/4	3,007.63	1/4	2,650.17		
1/2		1/2		1/2		1/2	4,048.47	1/2	3,913.09	1/2	3,776.82	1/2	3,640.42	1/2	3,357.29	1/2	3,000.19	1/2	2,642.73		
3/4		3/4		3/4		3/4	4,045.67	3/4	3,910.27	3/4	3,773.97	3/4	3,637.58	3/4	3,349.86	3/4	2,992.74	3/4	2,635.28		
5		5		5		5	4,042.87	5	3,907.44	5	3,771.13	5	3,634.74	5	3,342.44	5	2,985.30	5	2,627.83		
1/4		1/4		1/4		1/4	4,040.07	1/4	3,904.61	1/4	3,768.29	1/4	3,631.89	1/4	3,335.01	1/4	2,977.86	1/4	2,620.38		
1/2		1/2		1/2		1/2	4,037.27	1/2	3,901.79	1/2	3,765.45	1/2	3,629.05	1/2	3,327.59	1/2	2,970.41	1/2	2,612.93		
3/4		3/4		3/4		3/4	4,034.47	3/4	3,898.96	3/4	3,762.61	3/4	3,626.21	3/4	3,320.17	3/4	2,962.96	3/4	2,605.48		
6		6		6		6	4,031.67	6	3,896.13	6	3,759.77	6	3,623.37	6	3,312.74	6	2,955.52	6	2,598.02		
1/4		1/4		1/4		1/4	4,028.87	1/4	3,893.30	1/4	3,756.92	1/4	3,620.53	1/4	3,305.32	1/4	2,948.07	1/4	2,590.57		
1/2		1/2		1/2		1/2	4,141.32	1/2	4,026.07	1/2	3,890.47	1/2	3,754.08	1/2	3,297.89	1/2	2,940.62	1/2	2,583.11		
3/4		3/4		3/4		3/4	4,141.20	3/4	4,023.27	3/4	3,887.63	3/4	3,751.24	3/4	3,290.47	3/4	2,933.17	3/4	2,575.66		
7		7		7		7	4,141.07	7	4,020.47	7	3,884.79	7	3,748.40	7	3,283.05	7	2,925.73	7	2,568.20		
1/4		1/4		1/4		1/4	4,140.95	1/4	4,017.67	1/4	3,881.96	1/4	3,745.56	1/4	3,275.62	1/4	2,918.28	1/4	2,560.75		
1/2		1/2		1/2		1/2	4,140.01	1/2	4,014.85	1/2	3,879.11	1/2	3,742.72	1/2	3,268.18	1/2	2,910.83	1/2	2,553.29		
3/4		3/4		3/4		3/4	4,139.07	3/4	4,012.03	3/4	3,876.27	3/4	3,739.88	3/4	3,260.74	3/4	2,903.38	3/4	2,545.84		
8		8		8		8	4,138.13	8	4,009.21	8	3,873.43	8	3,737.03	8	3,253.30	8	2,895.94	8	2,538.39		
1/4		1/4		1/4		1/4	4,137.19	1/4	4,006.39	1/4	3,870.59	1/4	3,734.19	1/4	3,245.86	1/4	2,888.49	1/4	2,530.93		
1/2		1/2		1/2		1/2	4,135.19	1/2	4,003.56	1/2	3,867.75	1/2	3,731.35	1/2	3,238.42	1/2	2,881.04	1/2	2,523.48		
3/4		3/4		3/4		3/4	4,133.18	3/4	4,000.73	3/4	3,864.91	3/4	3,728.51	3/4	3,230.98	3/4	2,873.60	3/4	2,516.02		
9		9		9		9	4,131.18	9	3,997.91	9	3,862.06	9	3,725.67	9	3,223.53	9	2,866.15	9	2,508.57		
1/4		1/4		1/4		1/4	4,129.17	1/4	3,995.08	1/4	3,859.22	1/4	3,722.83	1/4	3,216.09	1/4	2,858.70	1/4	2,501.11		
1/2		1/2		1/2		1/2	4,126.50	1/2	3,992.25	1/2	3,856.38	1/2	3,719.98	1/2	3,208.64	1/2	2,851.25	1/2	2,493.66		
3/4		3/4		3/4		3/4	4,123.83	3/4	3,989.43	3/4	3,853.54	3/4	3,717.14	3/4	3,201.20	3/4	2,843.81	3/4	2,486.20		
10		10		10		10	4,121.16	10	3,986.60	10	3,850.70	10	3,714.30	10	3,550.32	10	3,193.75	10	2,836.36	10	2,478.75
1/4		1/4		1/4		1/4	4,118.49	1/4	3,983.77	1/4	3,847.86	1/4	3,711.46	1/4	3,542.89	1/4	3,186.31	1/4	2,828.91	1/4	2,471.29
1/2		1/2		1/2		1/2	4,115.69	1/2	3,980.94	1/2	3,845.01	1/2	3,708.62	1/2	3,535.46	1/2	3,178.86	1/2	2,821.46	1/2	2,463.84
3/4		3/4		3/4		3/4	4,112.89	3/4	3,978.12	3/4	3,842.17	3/4	3,705.78	3/4	3,528.04	3/4	3,171.42	3/4	2,814.02	3/4	2,456.38
11		11		11		11	4,110.09	11	3,975.29	11	3,839.33	11	3,702.93	11	3,520.61	11	3,163.97	11	2,806.57	11	2,448.93
1/4		1/4		1/4		1/4	4,107.28	1/4	3,972.46	1/4	3,836.49	1/4	3,700.09	1/4	3,513.19	1/4	3,156.53	1/4	2,799.12	1/4	2,441.48
1/2		1/2		1/2		1/2	4,104.48	1/2	3,969.64	1/2	3,833.65	1/2	3,697.25	1/2	3,505.77	1/2	3,149.08	1/2	2,791.67	1/2	2,434.02
3/4		3/4		3/4		3/4	4,101.68	3/4	3,966.81	3/4	3,830.81	3/4	3,694.41	3/4	3,498.34	3/4	3,141.64	3/4	2,784.23	3/4	2,426.57

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 DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 56'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 28749"

**3 STBD
ULLAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30052"

GAUGE HEIGHT 16'-09 1/4"

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	2,419.11	0	2,061.29	0	1,703.47	0	1,345.65	0	988.04	0	632.58	0	278.40	0		0		0	
1/4	2,411.66	1/4	2,053.84	1/4	1,696.02	1/4	1,338.19	1/4	980.60	1/4	625.33	1/4	271.14	1/4		1/4		1/4	
1/2	2,404.20	1/2	2,046.38	1/2	1,688.56	1/2	1,330.74	1/2	973.16	1/2	618.07	1/2	263.89	1/2		1/2		1/2	
3/4	2,396.75	3/4	2,038.93	3/4	1,681.11	3/4	1,323.29	3/4	965.73	3/4	610.82	3/4	256.64	3/4		3/4		3/4	
1	2,389.29	1	2,031.47	1	1,673.65	1	1,315.83	1	958.29	1	603.57	1	249.39	1		1		1	
1/4	2,381.84	1/4	2,024.02	1/4	1,666.20	1/4	1,308.38	1/4	950.85	1/4	596.32	1/4	242.13	1/4		1/4		1/4	
1/2	2,374.38	1/2	2,016.56	1/2	1,658.74	1/2	1,300.92	1/2	943.41	1/2	589.06	1/2	234.88	1/2		1/2		1/2	
3/4	2,366.93	3/4	2,009.11	3/4	1,651.29	3/4	1,293.47	3/4	935.97	3/4	581.81	3/4	227.63	3/4		3/4		3/4	
2	2,359.48	2	2,001.65	2	1,643.83	2	1,286.01	2	928.53	2	574.56	2	220.37	2		2		2	
1/4	2,352.02	1/4	1,994.20	1/4	1,636.38	1/4	1,278.56	1/4	921.09	1/4	567.30	1/4	213.12	1/4		1/4		1/4	
1/2	2,344.57	1/2	1,986.75	1/2	1,628.92	1/2	1,271.10	1/2	913.65	1/2	560.05	1/2	205.87	1/2		1/2		1/2	
3/4	2,337.11	3/4	1,979.29	3/4	1,621.47	3/4	1,263.65	3/4	906.21	3/4	552.80	3/4	198.62	3/4		3/4		3/4	
3	2,329.66	3	1,971.84	3	1,614.02	3	1,256.19	3	898.77	3	545.55	3	191.36	3		3		3	
1/4	2,322.20	1/4	1,964.38	1/4	1,606.56	1/4	1,248.74	1/4	891.33	1/4	538.29	1/4	184.11	1/4		1/4		1/4	
1/2	2,314.75	1/2	1,956.93	1/2	1,599.11	1/2	1,241.29	1/2	883.89	1/2	531.04	1/2	176.86	1/2		1/2		1/2	
3/4	2,307.29	3/4	1,949.47	3/4	1,591.65	3/4	1,233.83	3/4	876.45	3/4	523.79	3/4	169.60	3/4		3/4		3/4	
4	2,299.84	4	1,942.02	4	1,584.20	4	1,226.38	4	869.01	4	516.54	4	162.35	4		4		4	
1/4	2,292.38	1/4	1,934.56	1/4	1,576.74	1/4	1,218.92	1/4	861.58	1/4	509.28	1/4	155.10	1/4		1/4		1/4	
1/2	2,284.93	1/2	1,927.11	1/2	1,569.29	1/2	1,211.47	1/2	854.14	1/2	502.03	1/2	147.85	1/2		1/2		1/2	
3/4	2,277.47	3/4	1,919.65	3/4	1,561.83	3/4	1,204.01	3/4	846.70	3/4	494.58	3/4	140.59	3/4		3/4		3/4	
5	2,270.02	5	1,912.20	5	1,554.38	5	1,196.56	5	839.26	5	487.12	5	133.34	5		5		5	
1/4	2,262.57	1/4	1,904.74	1/4	1,546.92	1/4	1,189.10	1/4	831.82	1/4	479.67	1/4	126.09	1/4		1/4		1/4	
1/2	2,255.11	1/2	1,897.29	1/2	1,539.47	1/2	1,181.65	1/2	824.37	1/2	472.21	1/2	118.83	1/2		1/2		1/2	
3/4	2,247.66	3/4	1,889.84	3/4	1,532.01	3/4	1,174.19	3/4	816.92	3/4	464.76	3/4	111.58	3/4		3/4		3/4	
6	2,240.20	6	1,882.38	6	1,524.56	6	1,166.74	6	809.47	6	457.30	6	104.33	6		6		6	
1/4	2,232.75	1/4	1,874.93	1/4	1,517.11	1/4	1,159.28	1/4	802.02	1/4	449.85	1/4	97.08	1/4		1/4		1/4	
1/2	2,225.29	1/2	1,867.47	1/2	1,509.65	1/2	1,151.83	1/2	794.56	1/2	442.39	1/2	89.82	1/2		1/2		1/2	
3/4	2,217.84	3/4	1,860.02	3/4	1,502.20	3/4	1,144.38	3/4	787.11	3/4	434.94	3/4	82.57	3/4		3/4		3/4	
7	2,210.38	7	1,852.56	7	1,494.74	7	1,136.92	7	779.65	7	427.49	7	75.32	7		7		7	
1/4	2,202.93	1/4	1,845.11	1/4	1,487.29	1/4	1,129.47	1/4	772.20	1/4	420.03	1/4	67.86	1/4		1/4		1/4	
1/2	2,195.47	1/2	1,837.65	1/2	1,479.83	1/2	1,122.02	1/2	764.74	1/2	412.58	1/2	61.11	1/2		1/2		1/2	
3/4	2,188.02	3/4	1,830.20	3/4	1,472.38	3/4	1,114.57	3/4	757.29	3/4	405.12	3/4	54.35	3/4		3/4		3/4	
8	2,180.56	8	1,822.74	8	1,464.92	8	1,107.12	8	749.83	8	397.67	8	47.60	8		8		8	
1/4	2,173.11	1/4	1,815.29	1/4	1,457.47	1/4	1,099.67	1/4	742.38	1/4	390.21	1/4	40.84	1/4		1/4		1/4	
1/2	2,165.66	1/2	1,807.83	1/2	1,450.01	1/2	1,092.22	1/2	734.93	1/2	382.76	1/2	35.72	1/2		1/2		1/2	
3/4	2,158.20	3/4	1,800.38	3/4	1,442.56	3/4	1,084.78	3/4	727.47	3/4	375.30	3/4	30.59	3/4		3/4		3/4	
9	2,150.75	9	1,792.93	9	1,435.10	9	1,077.33	9	720.02	9	367.85	9	25.47	9		9		9	
1/4	2,143.29	1/4	1,785.47	1/4	1,427.65	1/4	1,069.88	1/4	712.56	1/4	360.40	1/4	20.34	1/4		1/4		1/4	
1/2	2,135.84	1/2	1,778.02	1/2	1,420.20	1/2	1,062.44	1/2	705.11	1/2	352.94	1/2	20.35	1/2		1/2		1/2	
3/4	2,128.38	3/4	1,770.56	3/4	1,412.74	3/4	1,055.00	3/4	697.86	3/4	345.49	3/4		3/4		3/4		3/4	
10	2,120.93	10	1,763.11	10	1,405.29	10	1,047.56	10	690.60	10	338.03	10		10		10		10	
1/4	2,113.47	1/4	1,755.65	1/4	1,397.83	1/4	1,040.12	1/4	683.35	1/4	330.58	1/4		1/4		1/4		1/4	
1/2	2,106.02	1/2	1,748.20	1/2	1,390.38	1/2	1,032.68	1/2	676.10	1/2	323.12	1/2		1/2		1/2		1/2	
3/4	2,098.56	3/4	1,740.74	3/4	1,382.92	3/4	1,025.24	3/4	668.84	3/4	315.67	3/4		3/4		3/4		3/4	
11	2,091.11	11	1,733.29	11	1,375.47	11	1,017.80	11	661.59	11	308.22	11		11		11		11	
1/4	2,083.65	1/4	1,725.83	1/4	1,368.01	1/4	1,010.36	1/4	654.34	1/4	300.76	1/4		1/4		1/4		1/4	
1/2	2,076.20	1/2	1,718.38	1/2	1,360.56	1/2	1,002.92	1/2	647.09	1/2	293.31	1/2		1/2		1/2		1/2	
3/4	2,068.75	3/4	1,710.92	3/4	1,353.10	3/4	995.48	3/4	639.83	3/4	285.85	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/03/2013 CL
RECALCULATED: 12/05/2023 JS
NAME CHANGE: 12/05/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 28749"

PORT SLOP TANK INNAGE TABLE

FORMERLY: SMI 30052

CAPACITIES GIVEN IN WHOLE GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	1,231	0	2,461	0	3,692	0	4,922	0		0		0		0		0	
1/4	26	1/4	1,256	1/4	2,487	1/4	3,717	1/4	4,948	1/4		1/4		1/4		1/4		1/4	
1/2	51	1/2	1,282	1/2	2,512	1/2	3,743	1/2	4,973	1/2		1/2		1/2		1/2		1/2	
3/4	77	3/4	1,307	3/4	2,538	3/4	3,769	3/4	4,999	3/4		3/4		3/4		3/4		3/4	
1	103	1	1,333	1	2,564	1	3,794	1	5,025	1		1		1		1		1	
1/4	128	1/4	1,359	1/4	2,589	1/4	3,820	1/4	5,050	1/4		1/4		1/4		1/4		1/4	
1/2	154	1/2	1,384	1/2	2,615	1/2	3,845	1/2	5,076	1/2		1/2		1/2		1/2		1/2	
3/4	179	3/4	1,410	3/4	2,641	3/4	3,871	3/4	5,102	3/4		3/4		3/4		3/4		3/4	
2	205	2	1,436	2	2,666	2	3,897	2	5,127	2		2		2		2		2	
1/4	231	1/4	1,461	1/4	2,692	1/4	3,922	1/4	5,153	1/4		1/4		1/4		1/4		1/4	
1/2	256	1/2	1,487	1/2	2,717	1/2	3,948	1/2	5,179	1/2		1/2		1/2		1/2		1/2	
3/4	282	3/4	1,513	3/4	2,743	3/4	3,974	3/4	5,204	3/4		3/4		3/4		3/4		3/4	
3	308	3	1,538	3	2,769	3	3,999	3	5,230	3		3		3		3		3	
1/4	333	1/4	1,564	1/4	2,794	1/4	4,025	1/4	5,255	1/4		1/4		1/4		1/4		1/4	
1/2	359	1/2	1,589	1/2	2,820	1/2	4,051	1/2	5,281	1/2		1/2		1/2		1/2		1/2	
3/4	385	3/4	1,615	3/4	2,846	3/4	4,076	3/4	5,307	3/4		3/4		3/4		3/4		3/4	
4	410	4	1,641	4	2,871	4	4,102	4	5,332	4		4		4		4		4	
1/4	436	1/4	1,666	1/4	2,897	1/4	4,127	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	461	1/2	1,692	1/2	2,923	1/2	4,153	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	487	3/4	1,718	3/4	2,948	3/4	4,179	3/4		3/4		3/4		3/4		3/4		3/4	
5	513	5	1,743	5	2,974	5	4,204	5		5		5		5		5		5	
1/4	538	1/4	1,769	1/4	2,999	1/4	4,230	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	564	1/2	1,795	1/2	3,025	1/2	4,256	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	590	3/4	1,820	3/4	3,051	3/4	4,281	3/4		3/4		3/4		3/4		3/4		3/4	
6	615	6	1,846	6	3,076	6	4,307	6		6		6		6		6		6	
1/4	641	1/4	1,871	1/4	3,102	1/4	4,333	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	667	1/2	1,897	1/2	3,128	1/2	4,358	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	692	3/4	1,923	3/4	3,153	3/4	4,384	3/4		3/4		3/4		3/4		3/4		3/4	
7	718	7	1,948	7	3,179	7	4,409	7		7		7		7		7		7	
1/4	743	1/4	1,974	1/4	3,205	1/4	4,435	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	769	1/2	2,000	1/2	3,230	1/2	4,461	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	795	3/4	2,025	3/4	3,256	3/4	4,486	3/4		3/4		3/4		3/4		3/4		3/4	
8	820	8	2,051	8	3,281	8	4,512	8		8		8		8		8		8	
1/4	846	1/4	2,077	1/4	3,307	1/4	4,538	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	872	1/2	2,102	1/2	3,333	1/2	4,563	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	897	3/4	2,128	3/4	3,358	3/4	4,589	3/4		3/4		3/4		3/4		3/4		3/4	
9	923	9	2,153	9	3,384	9	4,615	9		9		9		9		9		9	
1/4	949	1/4	2,179	1/4	3,410	1/4	4,640	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	974	1/2	2,205	1/2	3,435	1/2	4,666	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,000	3/4	2,230	3/4	3,461	3/4	4,691	3/4		3/4		3/4		3/4		3/4		3/4	
10	1,025	10	2,256	10	3,487	10	4,717	10		10		10		10		10		10	
1/4	1,051	1/4	2,282	1/4	3,512	1/4	4,743	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,077	1/2	2,307	1/2	3,538	1/2	4,768	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,102	3/4	2,333	3/4	3,563	3/4	4,794	3/4		3/4		3/4		3/4		3/4		3/4	
11	1,128	11	2,359	11	3,589	11	4,820	11		11		11		11		11		11	
1/4	1,154	1/4	2,384	1/4	3,615	1/4	4,845	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,179	1/2	2,410	1/2	3,640	1/2	4,871	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,205	3/4	2,435	3/4	3,666	3/4	4,897	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: 12/01/2023 JS
CALCULATED: 12/04/2023 CL
PRINTED: 12/04/2023 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2023

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 28749"

STBD SLOP TANK INNAGE TABLE

FORMERLY: SMI 30052

CAPACITIES GIVEN IN WHOLE GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	1,231	0	2,461	0	3,692	0	4,922	0		0		0		0		0	
1/4	26	1/4	1,256	1/4	2,487	1/4	3,717	1/4	4,948	1/4		1/4		1/4		1/4		1/4	
1/2	51	1/2	1,282	1/2	2,512	1/2	3,743	1/2	4,973	1/2		1/2		1/2		1/2		1/2	
3/4	77	3/4	1,307	3/4	2,538	3/4	3,769	3/4	4,999	3/4		3/4		3/4		3/4		3/4	
1	103	1	1,333	1	2,564	1	3,794	1	5,025	1		1		1		1		1	
1/4	128	1/4	1,359	1/4	2,589	1/4	3,820	1/4	5,050	1/4		1/4		1/4		1/4		1/4	
1/2	154	1/2	1,384	1/2	2,615	1/2	3,845	1/2	5,076	1/2		1/2		1/2		1/2		1/2	
3/4	179	3/4	1,410	3/4	2,641	3/4	3,871	3/4	5,102	3/4		3/4		3/4		3/4		3/4	
2	205	2	1,436	2	2,666	2	3,897	2	5,127	2		2		2		2		2	
1/4	231	1/4	1,461	1/4	2,692	1/4	3,922	1/4	5,153	1/4		1/4		1/4		1/4		1/4	
1/2	256	1/2	1,487	1/2	2,717	1/2	3,948	1/2	5,179	1/2		1/2		1/2		1/2		1/2	
3/4	282	3/4	1,513	3/4	2,743	3/4	3,974	3/4	5,204	3/4		3/4		3/4		3/4		3/4	
3	308	3	1,538	3	2,769	3	3,999	3	5,230	3		3		3		3		3	
1/4	333	1/4	1,564	1/4	2,794	1/4	4,025	1/4	5,255	1/4		1/4		1/4		1/4		1/4	
1/2	359	1/2	1,589	1/2	2,820	1/2	4,051	1/2	5,281	1/2		1/2		1/2		1/2		1/2	
3/4	385	3/4	1,615	3/4	2,846	3/4	4,076	3/4	5,307	3/4		3/4		3/4		3/4		3/4	
4	410	4	1,641	4	2,871	4	4,102	4	5,332	4		4		4		4		4	
1/4	436	1/4	1,666	1/4	2,897	1/4	4,127	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	461	1/2	1,692	1/2	2,923	1/2	4,153	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	487	3/4	1,718	3/4	2,948	3/4	4,179	3/4		3/4		3/4		3/4		3/4		3/4	
5	513	5	1,743	5	2,974	5	4,204	5		5		5		5		5		5	
1/4	538	1/4	1,769	1/4	2,999	1/4	4,230	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	564	1/2	1,795	1/2	3,025	1/2	4,256	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	590	3/4	1,820	3/4	3,051	3/4	4,281	3/4		3/4		3/4		3/4		3/4		3/4	
6	615	6	1,846	6	3,076	6	4,307	6		6		6		6		6		6	
1/4	641	1/4	1,871	1/4	3,102	1/4	4,333	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	667	1/2	1,897	1/2	3,128	1/2	4,358	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	692	3/4	1,923	3/4	3,153	3/4	4,384	3/4		3/4		3/4		3/4		3/4		3/4	
7	718	7	1,948	7	3,179	7	4,409	7		7		7		7		7		7	
1/4	743	1/4	1,974	1/4	3,205	1/4	4,435	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	769	1/2	2,000	1/2	3,230	1/2	4,461	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	795	3/4	2,025	3/4	3,256	3/4	4,486	3/4		3/4		3/4		3/4		3/4		3/4	
8	820	8	2,051	8	3,281	8	4,512	8		8		8		8		8		8	
1/4	846	1/4	2,077	1/4	3,307	1/4	4,538	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	872	1/2	2,102	1/2	3,333	1/2	4,563	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	897	3/4	2,128	3/4	3,358	3/4	4,589	3/4		3/4		3/4		3/4		3/4		3/4	
9	923	9	2,153	9	3,384	9	4,615	9		9		9		9		9		9	
1/4	949	1/4	2,179	1/4	3,410	1/4	4,640	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	974	1/2	2,205	1/2	3,435	1/2	4,666	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,000	3/4	2,230	3/4	3,461	3/4	4,691	3/4		3/4		3/4		3/4		3/4		3/4	
10	1,025	10	2,256	10	3,487	10	4,717	10		10		10		10		10		10	
1/4	1,051	1/4	2,282	1/4	3,512	1/4	4,743	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,077	1/2	2,307	1/2	3,538	1/2	4,768	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,102	3/4	2,333	3/4	3,563	3/4	4,794	3/4		3/4		3/4		3/4		3/4		3/4	
11	1,128	11	2,359	11	3,589	11	4,820	11		11		11		11		11		11	
1/4	1,154	1/4	2,384	1/4	3,615	1/4	4,845	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,179	1/2	2,410	1/2	3,640	1/2	4,871	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,205	3/4	2,435	3/4	3,666	3/4	4,897	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: 12/01/2023 JS
CALCULATED: 12/04/2023 CL
PRINTED: 12/04/2023 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2023

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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