



BARGE "KIRBY 29147"

ULLAGE TRIM TABLE

FORMERLY "SMS 30026"

	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	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8
1 STBD	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8
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	00-1/4	- 00-1/4	00-1/4	- 00-1/4
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	00-1/4	- 00-1/4	00-1/4	- 00-1/4
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 = 6'-00"
 DIFF. = 4'-00" (DOWN BY STERN)

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

December 16, 2021

**PRECISION MEASUREMENT
 & ANALYSIS, INC.**
 P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 29147"

1 PORT ULLAGE TABLE

MMC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30026"

GAUGE HEIGHT 16'-04 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	5,083.88	0	4,761.14	0	4,403.01	0	4,044.88	0	3,686.75	0	3,328.62	0	2,970.50	0	2,612.37		
1/4		1/4		1/4	5,080.77	1/4	4,753.68	1/4	4,395.55	1/4	4,037.42	1/4	3,679.29	1/4	3,321.16	1/4	2,963.04	1/4	2,604.91		
1/2		1/2		1/2	5,077.66	1/2	4,746.21	1/2	4,388.08	1/2	4,029.96	1/2	3,671.83	1/2	3,313.70	1/2	2,955.57	1/2	2,597.44		
3/4		3/4		3/4	5,074.55	3/4	4,738.75	3/4	4,380.62	3/4	4,022.50	3/4	3,664.37	3/4	3,306.24	3/4	2,948.11	3/4	2,589.98		
1		1		1	5,070.19	1	4,731.29	1	4,373.16	1	4,015.04	1	3,656.91	1	3,298.78	1	2,940.65	1	2,582.52		
1/4		1/4		1/4	5,065.84	1/4	4,723.83	1/4	4,365.70	1/4	4,007.58	1/4	3,649.45	1/4	3,291.32	1/4	2,933.19	1/4	2,575.06		
1/2		1/2		1/2	5,061.48	1/2	4,716.37	1/2	4,358.24	1/2	4,000.11	1/2	3,641.98	1/2	3,283.86	1/2	2,925.73	1/2	2,567.60		
3/4		3/4		3/4	5,057.12	3/4	4,708.91	3/4	4,350.78	3/4	3,992.65	3/4	3,634.52	3/4	3,276.40	3/4	2,918.27	3/4	2,560.14		
2		2		2	5,051.52	2	4,701.45	2	4,343.32	2	3,985.19	2	3,627.06	2	3,268.94	2	2,910.81	2	2,552.68		
1/4		1/4		1/4	5,045.92	1/4	4,693.99	1/4	4,335.86	1/4	3,977.73	1/4	3,619.60	1/4	3,261.48	1/4	2,903.35	1/4	2,545.22		
1/2		1/2		1/2	5,040.32	1/2	4,686.52	1/2	4,328.40	1/2	3,970.27	1/2	3,612.14	1/2	3,254.01	1/2	2,895.88	1/2	2,537.76		
3/4		3/4		3/4	5,034.72	3/4	4,679.06	3/4	4,320.94	3/4	3,962.81	3/4	3,604.68	3/4	3,246.55	3/4	2,888.42	3/4	2,530.30		
3		3		3	5,027.88	3	4,671.60	3	4,313.48	3	3,955.35	3	3,597.22	3	3,239.09	3	2,880.96	3	2,522.84		
1/4		1/4		1/4	5,021.04	1/4	4,664.14	1/4	4,306.02	1/4	3,947.89	1/4	3,589.76	1/4	3,231.63	1/4	2,873.50	1/4	2,515.38		
1/2		1/2		1/2	5,014.19	1/2	4,656.68	1/2	4,298.55	1/2	3,940.42	1/2	3,582.30	1/2	3,224.17	1/2	2,866.04	1/2	2,507.91		
3/4		3/4		3/4	5,007.35	3/4	4,649.22	3/4	4,291.09	3/4	3,932.96	3/4	3,574.84	3/4	3,216.71	3/4	2,858.58	3/4	2,500.45		
4		4		4	4,999.89	4	4,641.76	4	4,283.63	4	3,925.50	4	3,567.38	4	3,209.25	4	2,851.12	4	2,492.99		
1/4		1/4		1/4	4,992.43	1/4	4,634.30	1/4	4,276.17	1/4	3,918.04	1/4	3,559.92	1/4	3,201.79	1/4	2,843.66	1/4	2,485.53		
1/2		1/2		1/2	4,984.96	1/2	4,626.84	1/2	4,268.71	1/2	3,910.58	1/2	3,552.45	1/2	3,194.32	1/2	2,836.20	1/2	2,478.07		
3/4		3/4		3/4	4,977.50	3/4	4,619.38	3/4	4,261.25	3/4	3,903.12	3/4	3,544.99	3/4	3,186.86	3/4	2,828.74	3/4	2,470.61		
5		5		5	4,970.04	5	4,611.92	5	4,253.79	5	3,895.66	5	3,537.53	5	3,179.40	5	2,821.28	5	2,463.15		
1/4		1/4		1/4	4,962.58	1/4	4,604.46	1/4	4,246.33	1/4	3,888.20	1/4	3,530.07	1/4	3,171.94	1/4	2,813.82	1/4	2,455.69		
1/2		1/2		1/2	4,955.12	1/2	4,596.99	1/2	4,238.86	1/2	3,880.74	1/2	3,522.61	1/2	3,164.48	1/2	2,806.35	1/2	2,448.22		
3/4		3/4		3/4	4,947.66	3/4	4,589.53	3/4	4,231.40	3/4	3,873.28	3/4	3,515.15	3/4	3,157.02	3/4	2,798.89	3/4	2,440.76		
6		6		6	4,940.20	6	4,582.07	6	4,223.94	6	3,865.82	6	3,507.69	6	3,149.56	6	2,791.43	6	2,433.30		
1/4		1/4		1/4	4,932.74	1/4	4,574.61	1/4	4,216.48	1/4	3,858.36	1/4	3,500.23	1/4	3,142.10	1/4	2,783.97	1/4	2,425.84		
1/2		1/2		1/2	4,925.28	1/2	4,567.15	1/2	4,209.02	1/2	3,850.89	1/2	3,492.76	1/2	3,134.64	1/2	2,776.51	1/2	2,418.38		
3/4		3/4		3/4	4,917.82	3/4	4,559.69	3/4	4,201.56	3/4	3,843.43	3/4	3,485.30	3/4	3,127.18	3/4	2,769.05	3/4	2,410.92		
7		7		7	4,910.36	7	4,552.23	7	4,194.10	7	3,835.97	7	3,477.84	7	3,119.72	7	2,761.59	7	2,403.46		
1/4		1/4		1/4	4,902.90	1/4	4,544.77	1/4	4,186.64	1/4	3,828.51	1/4	3,470.38	1/4	3,112.26	1/4	2,754.13	1/4	2,396.00		
1/2		1/2		1/2	4,895.43	1/2	4,537.30	1/2	4,179.18	1/2	3,821.05	1/2	3,462.92	1/2	3,104.79	1/2	2,746.66	1/2	2,388.54		
3/4		3/4		3/4	4,887.97	3/4	4,529.84	3/4	4,171.72	3/4	3,813.59	3/4	3,455.46	3/4	3,097.33	3/4	2,739.20	3/4	2,381.08		
8		8		8	4,880.51	8	4,522.38	8	4,164.26	8	3,806.13	8	3,448.00	8	3,089.87	8	2,731.74	8	2,373.62		
1/4		1/4		1/4	4,873.05	1/4	4,514.92	1/4	4,156.80	1/4	3,798.67	1/4	3,440.54	1/4	3,082.41	1/4	2,724.28	1/4	2,366.16		
1/2		1/2		1/2	4,865.59	1/2	4,507.46	1/2	4,149.33	1/2	3,791.20	1/2	3,433.08	1/2	3,074.95	1/2	2,716.82	1/2	2,358.69		
3/4		3/4		3/4	4,858.13	3/4	4,500.00	3/4	4,141.87	3/4	3,783.74	3/4	3,425.62	3/4	3,067.49	3/4	2,709.36	3/4	2,351.23		
9		9		9	4,850.67	9	4,492.54	9	4,134.41	9	3,776.28	9	3,418.16	9	3,060.03	9	2,701.90	9	2,343.77		
1/4		1/4		1/4	4,843.21	1/4	4,485.08	1/4	4,126.95	1/4	3,768.82	1/4	3,410.70	1/4	3,052.57	1/4	2,694.44	1/4	2,336.31		
1/2		1/2		1/2	4,835.74	1/2	4,477.62	1/2	4,119.49	1/2	3,761.36	1/2	3,403.23	1/2	3,045.10	1/2	2,686.98	1/2	2,328.85		
3/4		3/4		3/4	5,096.95	3/4	4,828.28	3/4	4,470.16	3/4	4,112.03	3/4	3,753.90	3/4	3,395.77	3/4	3,037.64	3/4	2,321.39		
10		10		10	5,096.33	10	4,820.82	10	4,462.70	10	4,104.57	10	3,746.44	10	3,388.31	10	3,030.18	10	2,313.93		
1/4		1/4		1/4	5,095.71	1/4	4,813.36	1/4	4,455.24	1/4	4,097.11	1/4	3,738.98	1/4	3,380.85	1/4	3,022.72	1/4	2,664.60	1/4	2,306.47
1/2		1/2		1/2	5,095.08	1/2	4,805.90	1/2	4,447.77	1/2	4,089.64	1/2	3,731.52	1/2	3,373.39	1/2	3,015.26	1/2	2,657.13	1/2	2,299.00
3/4		3/4		3/4	5,094.46	3/4	4,798.44	3/4	4,440.31	3/4	4,082.18	3/4	3,724.06	3/4	3,365.93	3/4	3,007.80	3/4	2,649.67	3/4	2,291.54
11		11		11	5,092.59	11	4,790.98	11	4,432.85	11	4,074.72	11	3,716.60	11	3,358.47	11	3,000.34	11	2,642.21	11	2,284.08
1/4		1/4		1/4	5,090.73	1/4	4,783.52	1/4	4,425.39	1/4	4,067.26	1/4	3,709.14	1/4	3,351.01	1/4	2,992.88	1/4	2,634.75	1/4	2,276.62
1/2		1/2		1/2	5,088.86	1/2	4,776.06	1/2	4,417.93	1/2	4,059.80	1/2	3,701.67	1/2	3,343.54	1/2	2,985.42	1/2	2,627.29	1/2	2,269.16
3/4		3/4		3/4	5,086.99	3/4	4,768.60	3/4	4,410.47	3/4	4,052.34	3/4	3,694.21	3/4	3,336.08	3/4	2,977.96	3/4	2,619.83	3/4	2,261.70

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF THREADS ON "MMC" VALVE
 GAUGE POINT: (MMC) LOCATED 12'-06" OFF CENTERLINE AND 44'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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 Pearland, Texas 77588
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BARGE "KIRBY 29147"

1 PORT ULLAGE TABLE MMC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30026"

GAUGE HEIGHT 16'-04 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	2,254.24	0	1,896.11	0	1,537.98	0	1,179.86	0	821.73	0	463.88	0	127.14	0		0		0	
1/4	2,246.78	1/4	1,888.65	1/4	1,530.52	1/4	1,172.39	1/4	814.26	1/4	456.48	1/4	120.48	1/4		1/4		1/4	
1/2	2,239.32	1/2	1,881.19	1/2	1,523.06	1/2	1,164.93	1/2	806.80	1/2	449.07	1/2	113.83	1/2		1/2		1/2	
3/4	2,231.86	3/4	1,873.73	3/4	1,515.60	3/4	1,157.47	3/4	799.34	3/4	441.67	3/4	107.17	3/4		3/4		3/4	
1	2,224.40	1	1,866.27	1	1,508.14	1	1,150.01	1	791.88	1	434.39	1	100.64	1		1		1	
1/4	2,216.94	1/4	1,858.81	1/4	1,500.68	1/4	1,142.55	1/4	784.42	1/4	427.11	1/4	94.10	1/4		1/4		1/4	
1/2	2,209.47	1/2	1,851.34	1/2	1,493.22	1/2	1,135.09	1/2	776.96	1/2	419.83	1/2	87.57	1/2		1/2		1/2	
3/4	2,202.01	3/4	1,843.88	3/4	1,485.76	3/4	1,127.63	3/4	769.50	3/4	412.55	3/4	81.04	3/4		3/4		3/4	
2	2,194.55	2	1,836.42	2	1,478.30	2	1,120.17	2	762.04	2	405.27	2	74.50	2		2		2	
1/4	2,187.09	1/4	1,828.96	1/4	1,470.83	1/4	1,112.70	1/4	754.58	1/4	397.99	1/4	67.97	1/4		1/4		1/4	
1/2	2,179.63	1/2	1,821.50	1/2	1,463.37	1/2	1,105.24	1/2	747.12	1/2	390.71	1/2	61.43	1/2		1/2		1/2	
3/4	2,172.17	3/4	1,814.04	3/4	1,455.91	3/4	1,097.78	3/4	739.66	3/4	383.43	3/4	54.90	3/4		3/4		3/4	
3	2,164.71	3	1,806.58	3	1,448.45	3	1,090.32	3	732.20	3	376.27	3	49.22	3		3		3	
1/4	2,157.25	1/4	1,799.12	1/4	1,440.99	1/4	1,082.86	1/4	724.73	1/4	369.12	1/4	43.55	1/4		1/4		1/4	
1/2	2,149.78	1/2	1,791.66	1/2	1,433.53	1/2	1,075.40	1/2	717.27	1/2	361.96	1/2	37.87	1/2		1/2		1/2	
3/4	2,142.32	3/4	1,784.20	3/4	1,426.07	3/4	1,067.94	3/4	709.81	3/4	354.81	3/4	32.20	3/4		3/4		3/4	
4	2,134.86	4	1,776.74	4	1,418.61	4	1,060.48	4	702.35	4	347.65	4	27.99	4		4		4	
1/4	2,127.40	1/4	1,769.28	1/4	1,411.14	1/4	1,053.02	1/4	694.89	1/4	340.50	1/4	23.78	1/4		1/4		1/4	
1/2	2,119.94	1/2	1,761.81	1/2	1,403.68	1/2	1,045.56	1/2	687.43	1/2	333.34	1/2	19.57	1/2		1/2		1/2	
3/4	2,112.48	3/4	1,754.35	3/4	1,396.22	3/4	1,038.10	3/4	679.97	3/4	326.19	3/4	15.36	3/4		3/4		3/4	
5	2,105.02	5	1,746.89	5	1,388.76	5	1,030.64	5	672.51	5	319.16	5		5		5		5	
1/4	2,097.56	1/4	1,739.43	1/4	1,381.30	1/4	1,023.17	1/4	665.04	1/4	312.13	1/4		1/4		1/4		1/4	
1/2	2,090.10	1/2	1,731.97	1/2	1,373.84	1/2	1,015.71	1/2	657.58	1/2	305.10	1/2		1/2		1/2		1/2	
3/4	2,082.64	3/4	1,724.51	3/4	1,366.38	3/4	1,008.25	3/4	650.12	3/4	298.07	3/4		3/4		3/4		3/4	
6	2,075.18	6	1,717.05	6	1,358.92	6	1,000.79	6	642.66	6	291.04	6		6		6		6	
1/4	2,067.72	1/4	1,709.58	1/4	1,351.46	1/4	993.33	1/4	635.20	1/4	284.00	1/4		1/4		1/4		1/4	
1/2	2,060.25	1/2	1,702.12	1/2	1,344.00	1/2	985.87	1/2	627.74	1/2	276.97	1/2		1/2		1/2		1/2	
3/4	2,052.79	3/4	1,694.66	3/4	1,336.54	3/4	978.41	3/4	620.28	3/4	269.94	3/4		3/4		3/4		3/4	
7	2,045.33	7	1,687.20	7	1,329.08	7	970.95	7	612.82	7	263.03	7		7		7		7	
1/4	2,037.87	1/4	1,679.74	1/4	1,321.61	1/4	963.48	1/4	605.36	1/4	256.13	1/4		1/4		1/4		1/4	
1/2	2,030.41	1/2	1,672.28	1/2	1,314.15	1/2	956.02	1/2	597.90	1/2	249.22	1/2		1/2		1/2		1/2	
3/4	2,022.95	3/4	1,664.82	3/4	1,306.69	3/4	948.56	3/4	590.44	3/4	242.32	3/4		3/4		3/4		3/4	
8	2,015.49	8	1,657.36	8	1,299.23	8	941.10	8	582.98	8	235.41	8		8		8		8	
1/4	2,008.03	1/4	1,649.90	1/4	1,291.77	1/4	933.64	1/4	575.51	1/4	228.50	1/4		1/4		1/4		1/4	
1/2	2,000.56	1/2	1,642.44	1/2	1,284.31	1/2	926.18	1/2	568.05	1/2	221.60	1/2		1/2		1/2		1/2	
3/4	1,993.10	3/4	1,634.98	3/4	1,276.85	3/4	918.72	3/4	560.59	3/4	214.69	3/4		3/4		3/4		3/4	
9	1,985.64	9	1,627.52	9	1,269.39	9	911.26	9	553.13	9	207.91	9		9		9		9	
1/4	1,978.18	1/4	1,620.05	1/4	1,261.92	1/4	903.80	1/4	545.67	1/4	201.12	1/4		1/4		1/4		1/4	
1/2	1,970.72	1/2	1,612.59	1/2	1,254.46	1/2	896.34	1/2	538.21	1/2	194.34	1/2		1/2		1/2		1/2	
3/4	1,963.26	3/4	1,605.13	3/4	1,247.00	3/4	888.88	3/4	530.75	3/4	187.56	3/4		3/4		3/4		3/4	
10	1,955.80	10	1,597.67	10	1,239.54	10	881.42	10	523.29	10	180.78	10		10		10		10	
1/4	1,948.34	1/4	1,590.21	1/4	1,232.08	1/4	873.95	1/4	515.82	1/4	173.99	1/4		1/4		1/4		1/4	
1/2	1,940.88	1/2	1,582.75	1/2	1,224.62	1/2	866.49	1/2	508.36	1/2	167.21	1/2		1/2		1/2		1/2	
3/4	1,933.42	3/4	1,575.29	3/4	1,217.16	3/4	859.03	3/4	500.90	3/4	160.43	3/4		3/4		3/4		3/4	
11	1,925.96	11	1,567.83	11	1,209.70	11	851.57	11	493.50	11	153.77	11		11		11		11	
1/4	1,918.50	1/4	1,560.36	1/4	1,202.24	1/4	844.11	1/4	486.09	1/4	147.11	1/4		1/4		1/4		1/4	
1/2	1,911.03	1/2	1,552.90	1/2	1,194.78	1/2	836.65	1/2	478.69	1/2	140.46	1/2		1/2		1/2		1/2	
3/4	1,903.57	3/4	1,545.44	3/4	1,187.32	3/4	829.19	3/4	471.29	3/4	133.80	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/25/2011 INSP
RECALCULATED: 12/16/2021 PMA
NAME CHANGE: 12/16/2021 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2021

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



BARGE "KIRBY 29147"

1 STBD ULLAGE TABLE

MMC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30026"

GAUGE HEIGHT 16'-04 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	5,080.77	0	4,753.68	0	4,395.55	0	4,037.42	0	3,679.29	0	3,321.16	0	2,963.04	0	2,604.91
1/4		1/4		1/4	5,077.66	1/4	4,746.21	1/4	4,388.08	1/4	4,029.96	1/4	3,671.83	1/4	3,313.70	1/4	2,955.57	1/4	2,597.44
1/2		1/2		1/2	5,074.55	1/2	4,738.75	1/2	4,380.62	1/2	4,022.50	1/2	3,664.37	1/2	3,306.24	1/2	2,948.11	1/2	2,589.98
3/4		3/4		3/4	5,070.19	3/4	4,731.29	3/4	4,373.16	3/4	4,015.04	3/4	3,656.91	3/4	3,298.78	3/4	2,940.65	3/4	2,582.52
1		1		1	5,065.84	1	4,723.83	1	4,365.70	1	4,007.58	1	3,649.45	1	3,291.32	1	2,933.19	1	2,575.06
1/4		1/4		1/4	5,061.48	1/4	4,716.37	1/4	4,358.24	1/4	4,000.11	1/4	3,641.98	1/4	3,283.86	1/4	2,925.73	1/4	2,567.60
1/2		1/2		1/2	5,057.12	1/2	4,708.91	1/2	4,350.78	1/2	3,992.65	1/2	3,634.52	1/2	3,276.40	1/2	2,918.27	1/2	2,560.14
3/4		3/4		3/4	5,051.52	3/4	4,701.45	3/4	4,343.32	3/4	3,985.19	3/4	3,627.06	3/4	3,268.94	3/4	2,910.81	3/4	2,552.68
2		2		2	5,045.92	2	4,693.99	2	4,335.86	2	3,977.73	2	3,619.60	2	3,261.48	2	2,903.35	2	2,545.22
1/4		1/4		1/4	5,040.32	1/4	4,686.52	1/4	4,328.40	1/4	3,970.27	1/4	3,612.14	1/4	3,254.01	1/4	2,895.88	1/4	2,537.76
1/2		1/2		1/2	5,034.72	1/2	4,679.06	1/2	4,320.94	1/2	3,962.81	1/2	3,604.68	1/2	3,246.55	1/2	2,888.42	1/2	2,530.30
3/4		3/4		3/4	5,027.88	3/4	4,671.60	3/4	4,313.48	3/4	3,955.35	3/4	3,597.22	3/4	3,239.09	3/4	2,880.96	3/4	2,522.84
3		3		3	5,021.04	3	4,664.14	3	4,306.02	3	3,947.89	3	3,589.76	3	3,231.63	3	2,873.50	3	2,515.38
1/4		1/4		1/4	5,014.19	1/4	4,656.68	1/4	4,298.55	1/4	3,940.42	1/4	3,582.30	1/4	3,224.17	1/4	2,866.04	1/4	2,507.91
1/2		1/2		1/2	5,007.35	1/2	4,649.22	1/2	4,291.09	1/2	3,932.96	1/2	3,574.84	1/2	3,216.71	1/2	2,858.58	1/2	2,500.45
3/4		3/4		3/4	4,999.89	3/4	4,641.76	3/4	4,283.63	3/4	3,925.50	3/4	3,567.38	3/4	3,209.25	3/4	2,851.12	3/4	2,492.99
4		4		4	4,992.43	4	4,634.30	4	4,276.17	4	3,918.04	4	3,559.92	4	3,201.79	4	2,843.66	4	2,485.53
1/4		1/4		1/4	4,984.96	1/4	4,626.84	1/4	4,268.71	1/4	3,910.58	1/4	3,552.45	1/4	3,194.32	1/4	2,836.20	1/4	2,478.07
1/2		1/2		1/2	4,977.50	1/2	4,619.38	1/2	4,261.25	1/2	3,903.12	1/2	3,544.99	1/2	3,186.86	1/2	2,828.74	1/2	2,470.61
3/4		3/4		3/4	4,970.04	3/4	4,611.92	3/4	4,253.79	3/4	3,895.66	3/4	3,537.53	3/4	3,179.40	3/4	2,821.28	3/4	2,463.15
5		5		5	4,962.58	5	4,604.46	5	4,246.33	5	3,888.20	5	3,530.07	5	3,171.94	5	2,813.82	5	2,455.69
1/4		1/4		1/4	4,955.12	1/4	4,596.99	1/4	4,238.86	1/4	3,880.74	1/4	3,522.61	1/4	3,164.48	1/4	2,806.35	1/4	2,448.22
1/2		1/2		1/2	4,947.66	1/2	4,589.53	1/2	4,231.40	1/2	3,873.28	1/2	3,515.15	1/2	3,157.02	1/2	2,798.89	1/2	2,440.76
3/4		3/4		3/4	4,940.20	3/4	4,582.07	3/4	4,223.94	3/4	3,865.82	3/4	3,507.69	3/4	3,149.56	3/4	2,791.43	3/4	2,433.30
6		6		6	4,932.74	6	4,574.61	6	4,216.48	6	3,858.36	6	3,500.23	6	3,142.10	6	2,783.97	6	2,425.84
1/4		1/4		1/4	4,925.28	1/4	4,567.15	1/4	4,209.02	1/4	3,850.89	1/4	3,492.76	1/4	3,134.64	1/4	2,776.51	1/4	2,418.38
1/2		1/2		1/2	4,917.82	1/2	4,559.69	1/2	4,201.56	1/2	3,843.43	1/2	3,485.30	1/2	3,127.18	1/2	2,769.05	1/2	2,410.92
3/4		3/4		3/4	4,910.36	3/4	4,552.23	3/4	4,194.10	3/4	3,835.97	3/4	3,477.84	3/4	3,119.72	3/4	2,761.59	3/4	2,403.46
7		7		7	4,902.90	7	4,544.77	7	4,186.64	7	3,828.51	7	3,470.38	7	3,112.26	7	2,754.13	7	2,396.00
1/4		1/4		1/4	4,895.43	1/4	4,537.30	1/4	4,179.18	1/4	3,821.05	1/4	3,462.92	1/4	3,104.79	1/4	2,746.66	1/4	2,388.54
1/2		1/2		1/2	4,887.97	1/2	4,529.84	1/2	4,171.72	1/2	3,813.59	1/2	3,455.46	1/2	3,097.33	1/2	2,739.20	1/2	2,381.08
3/4		3/4		3/4	4,880.51	3/4	4,522.38	3/4	4,164.26	3/4	3,806.13	3/4	3,448.00	3/4	3,089.87	3/4	2,731.74	3/4	2,373.62
8		8		8	4,873.05	8	4,514.92	8	4,156.80	8	3,798.67	8	3,440.54	8	3,082.41	8	2,724.28	8	2,366.16
1/4		1/4		1/4	4,865.59	1/4	4,507.46	1/4	4,149.33	1/4	3,791.20	1/4	3,433.08	1/4	3,074.95	1/4	2,716.82	1/4	2,358.69
1/2		1/2		1/2	4,858.13	1/2	4,500.00	1/2	4,141.87	1/2	3,783.74	1/2	3,425.62	1/2	3,067.49	1/2	2,709.36	1/2	2,351.23
3/4		3/4		3/4	4,850.67	3/4	4,492.54	3/4	4,134.41	3/4	3,776.28	3/4	3,418.16	3/4	3,060.03	3/4	2,701.90	3/4	2,343.77
9		9		9	4,843.21	9	4,485.08	9	4,126.95	9	3,768.82	9	3,410.70	9	3,052.57	9	2,694.44	9	2,336.31
1/4		1/4		1/4	4,835.74	1/4	4,477.62	1/4	4,119.49	1/4	3,761.36	1/4	3,403.23	1/4	3,045.10	1/4	2,686.98	1/4	2,328.85
1/2		1/2		1/2	5,096.95	1/2	4,828.28	1/2	4,470.16	1/2	4,112.03	1/2	3,753.90	1/2	3,395.77	1/2	3,037.64	1/2	2,679.52
3/4		3/4		3/4	5,096.33	3/4	4,820.82	3/4	4,462.70	3/4	4,104.57	3/4	3,746.44	3/4	3,388.31	3/4	3,030.18	3/4	2,672.06
10		10		10	5,095.71	10	4,813.36	10	4,455.24	10	4,097.11	10	3,738.98	10	3,380.85	10	3,022.72	10	2,664.60
1/4		1/4		1/4	5,095.08	1/4	4,805.90	1/4	4,447.77	1/4	4,089.64	1/4	3,731.52	1/4	3,373.39	1/4	3,015.26	1/4	2,657.13
1/2		1/2		1/2	5,094.46	1/2	4,798.44	1/2	4,440.31	1/2	4,082.18	1/2	3,724.06	1/2	3,365.93	1/2	3,007.80	1/2	2,649.67
3/4		3/4		3/4	5,092.59	3/4	4,790.98	3/4	4,432.85	3/4	4,074.72	3/4	3,716.60	3/4	3,358.47	3/4	3,000.34	3/4	2,642.21
11		11		11	5,090.73	11	4,783.52	11	4,425.39	11	4,067.26	11	3,709.14	11	3,351.01	11	2,992.88	11	2,634.75
1/4		1/4		1/4	5,088.86	1/4	4,776.06	1/4	4,417.93	1/4	4,059.80	1/4	3,701.67	1/4	3,343.54	1/4	2,985.42	1/4	2,627.29
1/2		1/2		1/2	5,086.99	1/2	4,768.60	1/2	4,410.47	1/2	4,052.34	1/2	3,694.21	1/2	3,336.08	1/2	2,977.96	1/2	2,619.83
3/4		3/4		3/4	5,083.88	3/4	4,761.14	3/4	4,403.01	3/4	4,044.88	3/4	3,686.75	3/4	3,328.62	3/4	2,970.50	3/4	2,612.37

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF THREADS ON "MMC" VALVE
 GAUGE POINT: (MMC) LOCATED 12'-06" OFF CENTERLINE AND 44'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 29147"

1 STBD ULLAGE TABLE MMC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30026"

GAUGE HEIGHT 16'-04 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	2,246.78	0	1,888.65	0	1,530.52	0	1,172.39	0	814.26	0	456.48	0	120.48	0		0		0	
1/4	2,239.32	1/4	1,881.19	1/4	1,523.06	1/4	1,164.93	1/4	806.80	1/4	449.07	1/4	113.83	1/4		1/4		1/4	
1/2	2,231.86	1/2	1,873.73	1/2	1,515.60	1/2	1,157.47	1/2	799.34	1/2	441.67	1/2	107.17	1/2		1/2		1/2	
3/4	2,224.40	3/4	1,866.27	3/4	1,508.14	3/4	1,150.01	3/4	791.88	3/4	434.39	3/4	100.64	3/4		3/4		3/4	
1	2,216.94	1	1,858.81	1	1,500.68	1	1,142.55	1	784.42	1	427.11	1	94.10	1		1		1	
1/4	2,209.47	1/4	1,851.34	1/4	1,493.22	1/4	1,135.09	1/4	776.96	1/4	419.83	1/4	87.57	1/4		1/4		1/4	
1/2	2,202.01	1/2	1,843.88	1/2	1,485.76	1/2	1,127.63	1/2	769.50	1/2	412.55	1/2	81.04	1/2		1/2		1/2	
3/4	2,194.55	3/4	1,836.42	3/4	1,478.30	3/4	1,120.17	3/4	762.04	3/4	405.27	3/4	74.50	3/4		3/4		3/4	
2	2,187.09	2	1,828.96	2	1,470.83	2	1,112.70	2	754.58	2	397.99	2	67.97	2		2		2	
1/4	2,179.63	1/4	1,821.50	1/4	1,463.37	1/4	1,105.24	1/4	747.12	1/4	390.71	1/4	61.43	1/4		1/4		1/4	
1/2	2,172.17	1/2	1,814.04	1/2	1,455.91	1/2	1,097.78	1/2	739.66	1/2	383.43	1/2	54.90	1/2		1/2		1/2	
3/4	2,164.71	3/4	1,806.58	3/4	1,448.45	3/4	1,090.32	3/4	732.20	3/4	376.27	3/4	48.22	3/4		3/4		3/4	
3	2,157.25	3	1,799.12	3	1,440.99	3	1,082.86	3	724.73	3	369.12	3	43.55	3		3		3	
1/4	2,149.78	1/4	1,791.66	1/4	1,433.53	1/4	1,075.40	1/4	717.27	1/4	361.96	1/4	37.87	1/4		1/4		1/4	
1/2	2,142.32	1/2	1,784.20	1/2	1,426.07	1/2	1,067.94	1/2	709.81	1/2	354.81	1/2	32.20	1/2		1/2		1/2	
3/4	2,134.86	3/4	1,776.74	3/4	1,418.61	3/4	1,060.48	3/4	702.35	3/4	347.65	3/4	27.99	3/4		3/4		3/4	
4	2,127.40	4	1,769.28	4	1,411.14	4	1,053.02	4	694.89	4	340.50	4	23.78	4		4		4	
1/4	2,119.94	1/4	1,761.81	1/4	1,403.68	1/4	1,045.56	1/4	687.43	1/4	333.34	1/4	19.57	1/4		1/4		1/4	
1/2	2,112.48	1/2	1,754.35	1/2	1,396.22	1/2	1,038.10	1/2	679.97	1/2	326.19	1/2	15.36	1/2		1/2		1/2	
3/4	2,105.02	3/4	1,746.89	3/4	1,388.76	3/4	1,030.64	3/4	672.51	3/4	319.16	3/4		3/4		3/4		3/4	
5	2,097.56	5	1,739.43	5	1,381.30	5	1,023.17	5	665.04	5	312.13	5		5		5		5	
1/4	2,090.10	1/4	1,731.97	1/4	1,373.84	1/4	1,015.71	1/4	657.58	1/4	305.10	1/4		1/4		1/4		1/4	
1/2	2,082.64	1/2	1,724.51	1/2	1,366.38	1/2	1,008.25	1/2	650.12	1/2	298.07	1/2		1/2		1/2		1/2	
3/4	2,075.18	3/4	1,717.05	3/4	1,358.92	3/4	1,000.79	3/4	642.66	3/4	291.04	3/4		3/4		3/4		3/4	
6	2,067.72	6	1,709.58	6	1,351.46	6	993.33	6	635.20	6	284.00	6		6		6		6	
1/4	2,060.25	1/4	1,702.12	1/4	1,344.00	1/4	985.87	1/4	627.74	1/4	276.97	1/4		1/4		1/4		1/4	
1/2	2,052.79	1/2	1,694.66	1/2	1,336.54	1/2	978.41	1/2	620.28	1/2	269.94	1/2		1/2		1/2		1/2	
3/4	2,045.33	3/4	1,687.20	3/4	1,329.08	3/4	970.95	3/4	612.82	3/4	263.03	3/4		3/4		3/4		3/4	
7	2,037.87	7	1,679.74	7	1,321.61	7	963.48	7	605.36	7	256.13	7		7		7		7	
1/4	2,030.41	1/4	1,672.28	1/4	1,314.15	1/4	956.02	1/4	597.90	1/4	249.22	1/4		1/4		1/4		1/4	
1/2	2,022.95	1/2	1,664.82	1/2	1,306.69	1/2	948.56	1/2	590.44	1/2	242.32	1/2		1/2		1/2		1/2	
3/4	2,015.49	3/4	1,657.36	3/4	1,299.23	3/4	941.10	3/4	582.98	3/4	235.41	3/4		3/4		3/4		3/4	
8	2,008.03	8	1,649.90	8	1,291.77	8	933.64	8	575.51	8	228.50	8		8		8		8	
1/4	2,000.56	1/4	1,642.44	1/4	1,284.31	1/4	926.18	1/4	568.05	1/4	221.60	1/4		1/4		1/4		1/4	
1/2	1,993.10	1/2	1,634.98	1/2	1,276.85	1/2	918.72	1/2	560.59	1/2	214.69	1/2		1/2		1/2		1/2	
3/4	1,985.64	3/4	1,627.52	3/4	1,269.39	3/4	911.26	3/4	553.13	3/4	207.91	3/4		3/4		3/4		3/4	
9	1,978.18	9	1,620.05	9	1,261.92	9	903.80	9	545.67	9	201.12	9		9		9		9	
1/4	1,970.72	1/4	1,612.59	1/4	1,254.46	1/4	896.34	1/4	538.21	1/4	194.34	1/4		1/4		1/4		1/4	
1/2	1,963.26	1/2	1,605.13	1/2	1,247.00	1/2	888.88	1/2	530.75	1/2	187.56	1/2		1/2		1/2		1/2	
3/4	1,955.80	3/4	1,597.67	3/4	1,239.54	3/4	881.42	3/4	523.29	3/4	180.78	3/4		3/4		3/4		3/4	
10	1,948.34	10	1,590.21	10	1,232.08	10	873.95	10	515.82	10	173.99	10		10		10		10	
1/4	1,940.88	1/4	1,582.75	1/4	1,224.62	1/4	866.49	1/4	508.36	1/4	167.21	1/4		1/4		1/4		1/4	
1/2	1,933.42	1/2	1,575.29	1/2	1,217.16	1/2	859.03	1/2	500.90	1/2	160.43	1/2		1/2		1/2		1/2	
3/4	1,925.96	3/4	1,567.83	3/4	1,209.70	3/4	851.57	3/4	493.50	3/4	153.77	3/4		3/4		3/4		3/4	
11	1,918.50	11	1,560.36	11	1,202.24	11	844.11	11	486.09	11	147.11	11		11		11		11	
1/4	1,911.03	1/4	1,552.90	1/4	1,194.78	1/4	836.65	1/4	478.69	1/4	140.46	1/4		1/4		1/4		1/4	
1/2	1,903.57	1/2	1,545.44	1/2	1,187.32	1/2	829.19	1/2	471.29	1/2	133.80	1/2		1/2		1/2		1/2	
3/4	1,896.11	3/4	1,537.98	3/4	1,179.86	3/4	821.73	3/4	463.88	3/4	127.14	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/25/2011 INSP
RECALCULATED: 12/16/2021 PMA
NAME CHANGE: 12/16/2021 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2021

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



BARGE "KIRBY 29147"

2 PORT ULLAGE TABLE

MMC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30026"

GAUGE HEIGHT 16'-05 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0	5,139.37	0	4,825.64	0	4,466.55	0	4,107.46	0	3,748.37	0	3,389.28	0	3,030.20	0	2,671.11		
1/4	1/4	1/4	1/4	1/4	5,137.49	1/4	4,818.16	1/4	4,459.07	1/4	4,099.98	1/4	3,740.89	1/4	3,381.80	1/4	3,022.72	1/4	2,663.63		
1/2	1/2	1/2	1/2	1/2	5,134.37	1/2	4,810.68	1/2	4,451.59	1/2	4,092.50	1/2	3,733.41	1/2	3,374.32	1/2	3,015.24	1/2	2,656.15		
3/4	3/4	3/4	3/4	3/4	5,131.25	3/4	4,803.20	3/4	4,444.11	3/4	4,085.02	3/4	3,725.93	3/4	3,366.84	3/4	3,007.76	3/4	2,648.67		
1	1	1	1	1	5,128.12	1	4,795.71	1	4,436.62	1	4,077.54	1	3,718.45	1	3,359.36	1	3,000.27	1	2,641.18		
1/4	1/4	1/4	1/4	1/4	5,125.00	1/4	4,788.23	1/4	4,429.14	1/4	4,070.06	1/4	3,710.97	1/4	3,351.88	1/4	2,992.79	1/4	2,633.70		
1/2	1/2	1/2	1/2	1/2	5,120.63	1/2	4,780.75	1/2	4,421.66	1/2	4,062.58	1/2	3,703.49	1/2	3,344.40	1/2	2,985.31	1/2	2,626.22		
3/4	3/4	3/4	3/4	3/4	5,116.26	3/4	4,773.27	3/4	4,414.18	3/4	4,055.10	3/4	3,696.01	3/4	3,336.92	3/4	2,977.83	3/4	2,618.74		
2	2	2	2	2	5,111.88	2	4,765.79	2	4,406.70	2	4,047.61	2	3,688.52	2	3,329.44	2	2,970.35	2	2,611.26		
1/4	1/4	1/4	1/4	1/4	5,107.51	1/4	4,758.31	1/4	4,399.22	1/4	4,040.13	1/4	3,681.04	1/4	3,321.96	1/4	2,962.87	1/4	2,603.78		
1/2	1/2	1/2	1/2	1/2	5,101.89	1/2	4,750.83	1/2	4,391.74	1/2	4,032.65	1/2	3,673.56	1/2	3,314.48	1/2	2,955.39	1/2	2,596.30		
3/4	3/4	3/4	3/4	3/4	5,096.27	3/4	4,743.35	3/4	4,384.26	3/4	4,025.17	3/4	3,666.08	3/4	3,307.00	3/4	2,947.91	3/4	2,588.82		
3	3	3	3	3	5,090.65	3	4,735.86	3	4,375.78	3	4,017.69	3	3,658.60	3	3,299.51	3	2,940.42	3	2,581.34		
1/4	1/4	1/4	1/4	1/4	5,085.03	1/4	4,728.38	1/4	4,369.30	1/4	4,010.21	1/4	3,651.12	1/4	3,292.03	1/4	2,932.94	1/4	2,573.86		
1/2	1/2	1/2	1/2	1/2	5,078.16	1/2	4,720.90	1/2	4,361.82	1/2	4,002.73	1/2	3,643.64	1/2	3,284.55	1/2	2,925.46	1/2	2,566.38		
3/4	3/4	3/4	3/4	3/4	5,071.29	3/4	4,713.42	3/4	4,354.34	3/4	3,995.25	3/4	3,636.16	3/4	3,277.07	3/4	2,917.98	3/4	2,558.90		
4	4	4	4	4	5,064.42	4	4,705.94	4	4,346.85	4	3,987.76	4	3,628.68	4	3,269.59	4	2,910.50	4	2,551.41		
1/4	1/4	1/4	1/4	1/4	5,057.55	1/4	4,698.46	1/4	4,339.37	1/4	3,980.28	1/4	3,621.20	1/4	3,262.11	1/4	2,903.02	1/4	2,543.93		
1/2	1/2	1/2	1/2	1/2	5,050.07	1/2	4,690.98	1/2	4,331.89	1/2	3,972.80	1/2	3,613.72	1/2	3,254.63	1/2	2,895.54	1/2	2,536.45		
3/4	3/4	3/4	3/4	3/4	5,042.59	3/4	4,683.50	3/4	4,324.41	3/4	3,965.32	3/4	3,606.24	3/4	3,247.15	3/4	2,888.06	3/4	2,528.97		
5	5	5	5	5	5,035.10	5	4,676.02	5	4,316.93	5	3,957.84	5	3,598.75	5	3,239.66	5	2,880.58	5	2,521.49		
1/4	1/4	1/4	1/4	1/4	5,027.62	1/4	4,668.54	1/4	4,309.45	1/4	3,950.36	1/4	3,591.27	1/4	3,232.18	1/4	2,873.10	1/4	2,514.01		
1/2	1/2	1/2	1/2	1/2	5,020.14	1/2	4,661.06	1/2	4,301.97	1/2	3,942.88	1/2	3,583.79	1/2	3,224.70	1/2	2,865.62	1/2	2,506.53		
3/4	3/4	3/4	3/4	3/4	5,012.66	3/4	4,653.58	3/4	4,294.49	3/4	3,935.40	3/4	3,576.31	3/4	3,217.22	3/4	2,858.14	3/4	2,499.05		
6	6	6	6	6	5,005.18	6	4,646.09	6	4,287.00	6	3,927.92	6	3,568.83	6	3,209.74	6	2,850.65	6	2,491.56		
1/4	1/4	1/4	1/4	1/4	4,997.70	1/4	4,638.61	1/4	4,279.52	1/4	3,920.44	1/4	3,561.35	1/4	3,202.26	1/4	2,843.17	1/4	2,484.08		
1/2	1/2	1/2	1/2	1/2	4,990.22	1/2	4,631.13	1/2	4,272.04	1/2	3,912.96	1/2	3,553.87	1/2	3,194.78	1/2	2,835.69	1/2	2,476.60		
3/4	3/4	3/4	3/4	3/4	4,982.74	3/4	4,623.65	3/4	4,264.56	3/4	3,905.48	3/4	3,546.39	3/4	3,187.30	3/4	2,828.21	3/4	2,469.12		
7	7	7	7	7	4,975.26	7	4,616.17	7	4,257.08	7	3,897.99	7	3,538.90	7	3,179.82	7	2,820.73	7	2,461.64		
1/4	1/4	1/4	1/4	1/4	4,967.78	1/4	4,608.69	1/4	4,249.60	1/4	3,890.51	1/4	3,531.42	1/4	3,172.34	1/4	2,813.25	1/4	2,454.16		
1/2	1/2	1/2	1/2	1/2	4,960.30	1/2	4,601.21	1/2	4,242.12	1/2	3,883.03	1/2	3,523.94	1/2	3,164.86	1/2	2,805.77	1/2	2,446.68		
3/4	3/4	3/4	3/4	3/4	4,952.82	3/4	4,593.73	3/4	4,234.64	3/4	3,875.55	3/4	3,516.46	3/4	3,157.38	3/4	2,798.29	3/4	2,439.20		
8	8	8	8	8	4,945.33	8	4,586.24	8	4,227.16	8	3,868.07	8	3,508.98	8	3,149.89	8	2,790.80	8	2,431.72		
1/4	1/4	1/4	1/4	1/4	4,937.85	1/4	4,578.76	1/4	4,219.68	1/4	3,860.59	1/4	3,501.50	1/4	3,142.41	1/4	2,783.32	1/4	2,424.24		
1/2	1/2	1/2	1/2	1/2	4,930.37	1/2	4,571.28	1/2	4,212.20	1/2	3,853.11	1/2	3,494.02	1/2	3,134.93	1/2	2,775.84	1/2	2,416.76		
3/4	3/4	3/4	3/4	3/4	4,922.89	3/4	4,563.80	3/4	4,204.72	3/4	3,845.63	3/4	3,486.54	3/4	3,127.45	3/4	2,768.36	3/4	2,409.28		
9	9	9	9	9	4,915.41	9	4,556.32	9	4,197.23	9	3,838.14	9	3,479.06	9	3,119.97	9	2,760.88	9	2,401.79		
1/4	1/4	1/4	1/4	1/4	4,907.93	1/4	4,548.84	1/4	4,189.75	1/4	3,830.66	1/4	3,471.58	1/4	3,112.49	1/4	2,753.40	1/4	2,394.31		
1/2	1/2	1/2	1/2	1/2	4,900.45	1/2	4,541.36	1/2	4,182.27	1/2	3,823.18	1/2	3,464.10	1/2	3,105.01	1/2	2,745.92	1/2	2,386.83		
3/4	3/4	3/4	3/4	3/4	4,892.97	3/4	4,533.88	3/4	4,174.79	3/4	3,815.70	3/4	3,456.62	3/4	3,097.53	3/4	2,738.44	3/4	2,379.35		
10	10	10	10	10	4,885.48	10	4,526.40	10	4,167.31	10	3,808.22	10	3,449.13	10	3,090.04	10	2,730.96	10	2,371.87		
1/4	1/4	1/4	1/4	1/4	5,147.49	1/4	4,878.00	1/4	4,518.92	1/4	4,159.83	1/4	3,800.74	1/4	3,441.65	1/4	3,082.56	1/4	2,723.48	1/4	2,364.39
1/2	1/2	1/2	1/2	1/2	5,146.87	1/2	4,870.52	1/2	4,511.44	1/2	4,152.35	1/2	3,793.26	1/2	3,434.17	1/2	3,075.08	1/2	2,716.00	1/2	2,356.91
3/4	3/4	3/4	3/4	3/4	5,146.24	3/4	4,863.04	3/4	4,503.96	3/4	4,144.87	3/4	3,785.78	3/4	3,426.69	3/4	3,067.60	3/4	2,708.52	3/4	2,349.43
11	11	11	11	11	5,145.62	11	4,855.56	11	4,496.47	11	4,137.38	11	3,778.30	11	3,419.21	11	3,060.12	11	2,701.03	11	2,341.94
1/4	1/4	1/4	1/4	1/4	5,144.99	1/4	4,848.08	1/4	4,488.99	1/4	4,129.90	1/4	3,770.82	1/4	3,411.73	1/4	3,052.64	1/4	2,693.55	1/4	2,334.46
1/2	1/2	1/2	1/2	1/2	5,143.12	1/2	4,840.60	1/2	4,481.51	1/2	4,122.42	1/2	3,763.34	1/2	3,404.25	1/2	3,045.16	1/2	2,686.07	1/2	2,326.98
3/4	3/4	3/4	3/4	3/4	5,141.24	3/4	4,833.12	3/4	4,474.03	3/4	4,114.94	3/4	3,755.86	3/4	3,396.77	3/4	3,037.68	3/4	2,678.59	3/4	2,319.50

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF THREADS ON "MMC" VALVE
 GAUGE POINT: (MMC) LOCATED 12'-06" 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 29147"

2 PORT ULLAGE TABLE MMC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30026"

GAUGE HEIGHT 16'-05 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	2,312.02	0	1,952.93	0	1,593.84	0	1,234.76	0	875.67	0	516.58	0	157.49	0		0		0	
1/4	2,304.54	1/4	1,945.45	1/4	1,586.36	1/4	1,227.28	1/4	868.19	1/4	509.10	1/4	150.01	1/4	1/4	1/4		1/4	1/4
1/2	2,297.06	1/2	1,937.97	1/2	1,578.88	1/2	1,219.80	1/2	860.71	1/2	501.62	1/2	142.53	1/2	1/2	1/2		1/2	1/2
3/4	2,289.58	3/4	1,930.49	3/4	1,571.40	3/4	1,212.32	3/4	853.23	3/4	494.14	3/4	135.05	3/4	3/4	3/4		3/4	3/4
1	2,282.10	1	1,923.01	1	1,563.92	1	1,204.83	1	845.74	1	486.66	1	127.57	1	1	1		1	1
1/4	2,274.62	1/4	1,915.53	1/4	1,556.44	1/4	1,197.35	1/4	838.26	1/4	479.18	1/4	120.09	1/4	1/4	1/4		1/4	1/4
1/2	2,267.14	1/2	1,908.05	1/2	1,548.96	1/2	1,189.87	1/2	830.78	1/2	471.70	1/2	112.61	1/2	1/2	1/2		1/2	1/2
3/4	2,259.66	3/4	1,900.57	3/4	1,541.48	3/4	1,182.39	3/4	823.30	3/4	464.22	3/4	105.13	3/4	3/4	3/4		3/4	3/4
2	2,252.17	2	1,893.08	2	1,534.00	2	1,174.91	2	815.82	2	456.73	2	97.64	2	2	2		2	2
1/4	2,244.69	1/4	1,885.60	1/4	1,526.52	1/4	1,167.43	1/4	808.34	1/4	449.25	1/4	90.16	1/4	1/4	1/4		1/4	1/4
1/2	2,237.21	1/2	1,878.12	1/2	1,519.04	1/2	1,159.95	1/2	800.86	1/2	441.77	1/2	82.68	1/2	1/2	1/2		1/2	1/2
3/4	2,229.73	3/4	1,870.64	3/4	1,511.56	3/4	1,152.47	3/4	793.38	3/4	434.29	3/4	75.20	3/4	3/4	3/4		3/4	3/4
3	2,222.25	3	1,863.16	3	1,504.07	3	1,144.98	3	785.90	3	426.81	3	67.72	3	3	3		3	3
1/4	2,214.77	1/4	1,855.68	1/4	1,496.59	1/4	1,137.50	1/4	778.42	1/4	419.33	1/4	60.24	1/4	1/4	1/4		1/4	1/4
1/2	2,207.29	1/2	1,848.20	1/2	1,489.11	1/2	1,130.02	1/2	770.94	1/2	411.85	1/2	53.68	1/2	1/2	1/2		1/2	1/2
3/4	2,199.81	3/4	1,840.72	3/4	1,481.63	3/4	1,122.54	3/4	763.46	3/4	404.37	3/4	47.13	3/4	3/4	3/4		3/4	3/4
4	2,192.32	4	1,833.24	4	1,474.15	4	1,115.06	4	755.97	4	396.88	4	40.57	4	4	4		4	4
1/4	2,184.84	1/4	1,825.76	1/4	1,466.67	1/4	1,107.58	1/4	748.49	1/4	389.40	1/4	34.01	1/4	1/4	1/4		1/4	1/4
1/2	2,177.36	1/2	1,818.28	1/2	1,459.19	1/2	1,100.10	1/2	741.01	1/2	381.92	1/2	29.33	1/2	1/2	1/2		1/2	1/2
3/4	2,169.88	3/4	1,810.80	3/4	1,451.71	3/4	1,092.62	3/4	733.53	3/4	374.44	3/4	24.64	3/4	3/4	3/4		3/4	3/4
5	2,162.40	5	1,803.31	5	1,444.22	5	1,085.14	5	726.05	5	366.96	5	19.96	5	5	5		5	5
1/4	2,154.92	1/4	1,795.83	1/4	1,436.74	1/4	1,077.66	1/4	718.57	1/4	359.48	1/4	15.27	1/4	1/4	1/4		1/4	1/4
1/2	2,147.44	1/2	1,788.35	1/2	1,429.26	1/2	1,070.18	1/2	711.09	1/2	352.00	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,139.96	3/4	1,780.87	3/4	1,421.78	3/4	1,062.70	3/4	703.61	3/4	344.52	3/4		3/4	3/4	3/4		3/4	3/4
6	2,132.48	6	1,773.39	6	1,414.30	6	1,055.21	6	696.12	6	337.04	6	6	6	6	6		6	6
1/4	2,125.00	1/4	1,765.91	1/4	1,406.82	1/4	1,047.73	1/4	688.64	1/4	329.56	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,117.52	1/2	1,758.43	1/2	1,399.34	1/2	1,040.25	1/2	681.16	1/2	322.08	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,110.04	3/4	1,750.95	3/4	1,391.86	3/4	1,032.77	3/4	673.68	3/4	314.60	3/4		3/4	3/4	3/4		3/4	3/4
7	2,102.55	7	1,743.46	7	1,384.38	7	1,025.29	7	666.20	7	307.11	7	7	7	7	7		7	7
1/4	2,095.07	1/4	1,735.98	1/4	1,376.90	1/4	1,017.81	1/4	658.72	1/4	299.63	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,087.59	1/2	1,728.50	1/2	1,369.42	1/2	1,010.33	1/2	651.24	1/2	292.15	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,080.11	3/4	1,721.02	3/4	1,361.94	3/4	1,002.85	3/4	643.76	3/4	284.67	3/4		3/4	3/4	3/4		3/4	3/4
8	2,072.63	8	1,713.54	8	1,354.45	8	995.36	8	636.28	8	277.19	8	8	8	8	8		8	8
1/4	2,065.15	1/4	1,706.06	1/4	1,346.97	1/4	987.88	1/4	628.80	1/4	269.71	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,057.67	1/2	1,698.58	1/2	1,339.49	1/2	980.40	1/2	621.32	1/2	262.23	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,050.19	3/4	1,691.10	3/4	1,332.01	3/4	972.92	3/4	613.84	3/4	254.75	3/4		3/4	3/4	3/4		3/4	3/4
9	2,042.70	9	1,683.62	9	1,324.53	9	965.44	9	606.35	9	247.26	9	9	9	9	9		9	9
1/4	2,035.22	1/4	1,676.14	1/4	1,317.05	1/4	957.96	1/4	598.87	1/4	239.78	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,027.74	1/2	1,668.66	1/2	1,309.57	1/2	950.48	1/2	591.39	1/2	232.30	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,020.26	3/4	1,661.18	3/4	1,302.09	3/4	943.00	3/4	583.91	3/4	224.82	3/4		3/4	3/4	3/4		3/4	3/4
10	2,012.78	10	1,653.69	10	1,294.60	10	935.52	10	576.43	10	217.34	10	10	10	10	10		10	10
1/4	2,005.30	1/4	1,646.21	1/4	1,287.12	1/4	928.04	1/4	568.95	1/4	209.86	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,997.82	1/2	1,638.73	1/2	1,279.64	1/2	920.56	1/2	561.47	1/2	202.38	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,990.34	3/4	1,631.25	3/4	1,272.16	3/4	913.08	3/4	553.99	3/4	194.90	3/4		3/4	3/4	3/4		3/4	3/4
11	1,982.86	11	1,623.77	11	1,264.68	11	905.59	11	546.50	11	187.42	11	11	11	11	11		11	11
1/4	1,975.38	1/4	1,616.29	1/4	1,257.20	1/4	898.11	1/4	539.02	1/4	179.94	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,967.90	1/2	1,608.81	1/2	1,249.72	1/2	890.63	1/2	531.54	1/2	172.46	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,960.42	3/4	1,601.33	3/4	1,242.24	3/4	883.15	3/4	524.06	3/4	164.98	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/25/2011 INSP
RECALCULATED: 12/16/2021 PMA
NAME CHANGE: 12/16/2021 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2021

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



BARGE "KIRBY 29147"

2 STBD ULLAGE TABLE

MMC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30026"

GAUGE HEIGHT 16'-05 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	5,141.24	0	4,833.12	0	4,474.03	0	4,114.94	0	3,755.86	0	3,396.77	0	3,037.68	0	2,678.59
1/4		1/4		1/4	5,139.37	1/4	4,825.64	1/4	4,466.55	1/4	4,107.46	1/4	3,748.37	1/4	3,389.28	1/4	3,030.20	1/4	2,671.11
1/2		1/2		1/2	5,137.49	1/2	4,818.16	1/2	4,459.07	1/2	4,099.98	1/2	3,740.89	1/2	3,381.80	1/2	3,022.72	1/2	2,663.63
3/4		3/4		3/4	5,134.37	3/4	4,810.68	3/4	4,451.59	3/4	4,092.50	3/4	3,733.41	3/4	3,374.32	3/4	3,015.24	3/4	2,656.15
1		1		1	5,131.25	1	4,803.20	1	4,444.11	1	4,085.02	1	3,725.93	1	3,366.84	1	3,007.76	1	2,648.67
1/4		1/4		1/4	5,128.12	1/4	4,795.71	1/4	4,436.62	1/4	4,077.54	1/4	3,718.45	1/4	3,359.36	1/4	3,000.27	1/4	2,641.18
1/2		1/2		1/2	5,125.00	1/2	4,788.23	1/2	4,429.14	1/2	4,070.06	1/2	3,710.97	1/2	3,351.88	1/2	2,992.79	1/2	2,633.70
3/4		3/4		3/4	5,120.63	3/4	4,780.75	3/4	4,421.66	3/4	4,062.58	3/4	3,703.49	3/4	3,344.40	3/4	2,985.31	3/4	2,626.22
2		2		2	5,116.26	2	4,773.27	2	4,414.18	2	4,055.10	2	3,696.01	2	3,336.92	2	2,977.83	2	2,618.74
1/4		1/4		1/4	5,111.88	1/4	4,765.79	1/4	4,406.70	1/4	4,047.61	1/4	3,688.52	1/4	3,329.44	1/4	2,970.35	1/4	2,611.26
1/2		1/2		1/2	5,107.51	1/2	4,758.31	1/2	4,399.22	1/2	4,040.13	1/2	3,681.04	1/2	3,321.96	1/2	2,962.87	1/2	2,603.78
3/4		3/4		3/4	5,101.89	3/4	4,750.83	3/4	4,391.74	3/4	4,032.65	3/4	3,673.56	3/4	3,314.48	3/4	2,955.39	3/4	2,596.30
3		3		3	5,096.27	3	4,743.35	3	4,384.26	3	4,025.17	3	3,666.08	3	3,307.00	3	2,947.91	3	2,588.82
1/4		1/4		1/4	5,090.65	1/4	4,735.86	1/4	4,376.78	1/4	4,017.69	1/4	3,658.60	1/4	3,299.51	1/4	2,940.42	1/4	2,581.34
1/2		1/2		1/2	5,085.03	1/2	4,728.38	1/2	4,369.30	1/2	4,010.21	1/2	3,651.12	1/2	3,292.03	1/2	2,932.94	1/2	2,573.86
3/4		3/4		3/4	5,078.16	3/4	4,720.90	3/4	4,361.82	3/4	4,002.73	3/4	3,643.64	3/4	3,284.55	3/4	2,925.46	3/4	2,566.38
4		4		4	5,071.29	4	4,713.42	4	4,354.34	4	3,995.25	4	3,636.16	4	3,277.07	4	2,917.98	4	2,558.90
1/4		1/4		1/4	5,064.42	1/4	4,705.94	1/4	4,346.85	1/4	3,987.76	1/4	3,628.68	1/4	3,269.59	1/4	2,910.50	1/4	2,551.41
1/2		1/2		1/2	5,057.55	1/2	4,698.46	1/2	4,339.37	1/2	3,980.28	1/2	3,621.20	1/2	3,262.11	1/2	2,903.02	1/2	2,543.93
3/4		3/4		3/4	5,050.07	3/4	4,690.98	3/4	4,331.89	3/4	3,972.80	3/4	3,613.72	3/4	3,254.63	3/4	2,895.54	3/4	2,536.45
5		5		5	5,042.59	5	4,683.50	5	4,324.41	5	3,965.32	5	3,606.24	5	3,247.15	5	2,888.06	5	2,528.97
1/4		1/4		1/4	5,035.10	1/4	4,676.02	1/4	4,316.93	1/4	3,957.84	1/4	3,598.75	1/4	3,239.66	1/4	2,880.58	1/4	2,521.49
1/2		1/2		1/2	5,027.62	1/2	4,668.54	1/2	4,309.45	1/2	3,950.36	1/2	3,591.27	1/2	3,232.18	1/2	2,873.10	1/2	2,514.01
3/4		3/4		3/4	5,020.14	3/4	4,661.06	3/4	4,301.97	3/4	3,942.88	3/4	3,583.79	3/4	3,224.70	3/4	2,865.62	3/4	2,506.53
6		6		6	5,012.66	6	4,653.58	6	4,294.49	6	3,935.40	6	3,576.31	6	3,217.22	6	2,858.14	6	2,499.05
1/4		1/4		1/4	5,005.18	1/4	4,646.09	1/4	4,287.00	1/4	3,927.92	1/4	3,568.83	1/4	3,209.74	1/4	2,850.65	1/4	2,491.56
1/2		1/2		1/2	4,997.70	1/2	4,638.61	1/2	4,279.52	1/2	3,920.44	1/2	3,561.35	1/2	3,202.26	1/2	2,843.17	1/2	2,484.08
3/4		3/4		3/4	4,990.22	3/4	4,631.13	3/4	4,272.04	3/4	3,912.96	3/4	3,553.87	3/4	3,194.78	3/4	2,835.69	3/4	2,476.60
7		7		7	4,982.74	7	4,623.65	7	4,264.56	7	3,905.48	7	3,546.39	7	3,187.30	7	2,828.21	7	2,469.12
1/4		1/4		1/4	4,975.26	1/4	4,616.17	1/4	4,257.08	1/4	3,897.99	1/4	3,538.90	1/4	3,179.82	1/4	2,820.73	1/4	2,461.64
1/2		1/2		1/2	4,967.78	1/2	4,608.69	1/2	4,249.60	1/2	3,890.51	1/2	3,531.42	1/2	3,172.34	1/2	2,813.25	1/2	2,454.16
3/4		3/4		3/4	4,960.30	3/4	4,601.21	3/4	4,242.12	3/4	3,883.03	3/4	3,523.94	3/4	3,164.86	3/4	2,805.77	3/4	2,446.68
8		8		8	4,952.82	8	4,593.73	8	4,234.64	8	3,875.55	8	3,516.46	8	3,157.38	8	2,798.29	8	2,439.20
1/4		1/4		1/4	4,945.33	1/4	4,586.24	1/4	4,227.16	1/4	3,868.07	1/4	3,508.98	1/4	3,149.89	1/4	2,790.80	1/4	2,431.72
1/2		1/2		1/2	4,937.85	1/2	4,578.76	1/2	4,219.68	1/2	3,860.59	1/2	3,501.50	1/2	3,142.41	1/2	2,783.32	1/2	2,424.24
3/4		3/4		3/4	4,930.37	3/4	4,571.28	3/4	4,212.20	3/4	3,853.11	3/4	3,494.02	3/4	3,134.93	3/4	2,775.84	3/4	2,416.76
9		9		9	4,922.89	9	4,563.80	9	4,204.72	9	3,845.63	9	3,486.54	9	3,127.45	9	2,768.36	9	2,409.28
1/4		1/4		1/4	4,915.41	1/4	4,556.32	1/4	4,197.23	1/4	3,838.14	1/4	3,479.06	1/4	3,119.97	1/4	2,760.88	1/4	2,401.79
1/2		1/2		1/2	4,907.93	1/2	4,548.84	1/2	4,189.75	1/2	3,830.66	1/2	3,471.58	1/2	3,112.49	1/2	2,753.40	1/2	2,394.31
3/4		3/4		3/4	4,900.45	3/4	4,541.36	3/4	4,182.27	3/4	3,823.18	3/4	3,464.10	3/4	3,105.01	3/4	2,745.92	3/4	2,386.83
10		10		10	4,892.97	10	4,533.88	10	4,174.79	10	3,815.70	10	3,456.62	10	3,097.53	10	2,738.44	10	2,379.35
1/4		1/4		1/4	4,885.48	1/4	4,526.40	1/4	4,167.31	1/4	3,808.22	1/4	3,449.13	1/4	3,090.04	1/4	2,730.96	1/4	2,371.87
1/2		1/2		1/2	5,147.49	1/2	4,878.00	1/2	4,518.92	1/2	4,159.83	1/2	3,800.74	1/2	3,441.65	1/2	3,082.56	1/2	2,723.48
3/4		3/4		3/4	5,146.87	3/4	4,870.52	3/4	4,511.44	3/4	4,152.35	3/4	3,793.26	3/4	3,434.17	3/4	3,075.08	3/4	2,716.00
11		11		11	5,146.24	11	4,863.04	11	4,503.96	11	4,144.87	11	3,785.78	11	3,426.69	11	3,067.60	11	2,708.52
1/4		1/4		1/4	5,145.62	1/4	4,855.56	1/4	4,496.47	1/4	4,137.38	1/4	3,778.30	1/4	3,419.21	1/4	3,060.12	1/4	2,701.03
1/2		1/2		1/2	5,144.99	1/2	4,848.08	1/2	4,488.99	1/2	4,129.90	1/2	3,770.82	1/2	3,411.73	1/2	3,052.64	1/2	2,693.55
3/4		3/4		3/4	5,143.12	3/4	4,840.60	3/4	4,481.51	3/4	4,122.42	3/4	3,763.34	3/4	3,404.25	3/4	3,045.16	3/4	2,686.07

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF THREADS ON "MMC" VALVE
 GAUGE POINT: (MMC) LOCATED 12'-06" 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 29147"

2 STBD ULLAGE TABLE MMC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30026"

GAUGE HEIGHT 16'-05 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	2,319.50	0	1,960.42	0	1,601.33	0	1,242.24	0	883.15	0	524.06	0	164.98	0		0		0	
1/4	2,312.02	1/4	1,952.93	1/4	1,593.84	1/4	1,234.76	1/4	875.67	1/4	516.58	1/4	157.49	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,304.54	1/2	1,945.45	1/2	1,586.36	1/2	1,227.28	1/2	868.19	1/2	509.10	1/2	150.01	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,297.06	3/4	1,937.97	3/4	1,578.88	3/4	1,219.80	3/4	860.71	3/4	501.62	3/4	142.53	3/4	3/4	3/4	3/4	3/4	3/4
1	2,289.58	1	1,930.49	1	1,571.40	1	1,212.32	1	853.23	1	494.14	1	135.05	1	1	1	1	1	1
1/4	2,282.10	1/4	1,923.01	1/4	1,563.92	1/4	1,204.83	1/4	845.74	1/4	486.66	1/4	127.57	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,274.62	1/2	1,915.53	1/2	1,556.44	1/2	1,197.35	1/2	838.26	1/2	479.18	1/2	120.09	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,267.14	3/4	1,908.05	3/4	1,548.96	3/4	1,189.87	3/4	830.78	3/4	471.70	3/4	112.61	3/4	3/4	3/4	3/4	3/4	3/4
2	2,259.66	2	1,900.57	2	1,541.48	2	1,182.39	2	823.30	2	464.22	2	105.13	2	2	2	2	2	2
1/4	2,252.17	1/4	1,893.08	1/4	1,534.00	1/4	1,174.91	1/4	815.82	1/4	456.73	1/4	97.64	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,244.69	1/2	1,885.60	1/2	1,526.52	1/2	1,167.43	1/2	808.34	1/2	449.25	1/2	90.16	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,237.21	3/4	1,878.12	3/4	1,519.04	3/4	1,159.95	3/4	800.86	3/4	441.77	3/4	82.68	3/4	3/4	3/4	3/4	3/4	3/4
3	2,229.73	3	1,870.64	3	1,511.56	3	1,152.47	3	793.38	3	434.29	3	75.20	3	3	3	3	3	3
1/4	2,222.25	1/4	1,863.16	1/4	1,504.07	1/4	1,144.98	1/4	785.90	1/4	426.81	1/4	67.72	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,214.77	1/2	1,855.68	1/2	1,496.59	1/2	1,137.50	1/2	778.42	1/2	419.33	1/2	60.24	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,207.29	3/4	1,848.20	3/4	1,489.11	3/4	1,130.02	3/4	770.94	3/4	411.85	3/4	53.68	3/4	3/4	3/4	3/4	3/4	3/4
4	2,199.81	4	1,840.72	4	1,481.63	4	1,122.54	4	763.46	4	404.37	4	47.13	4	4	4	4	4	4
1/4	2,192.32	1/4	1,833.24	1/4	1,474.15	1/4	1,115.06	1/4	755.97	1/4	396.88	1/4	40.57	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,184.84	1/2	1,825.76	1/2	1,466.67	1/2	1,107.58	1/2	748.49	1/2	389.40	1/2	34.01	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,177.36	3/4	1,818.28	3/4	1,459.19	3/4	1,100.10	3/4	741.01	3/4	381.92	3/4	29.33	3/4	3/4	3/4	3/4	3/4	3/4
5	2,169.88	5	1,810.80	5	1,451.71	5	1,092.62	5	733.53	5	374.44	5	24.64	5	5	5	5	5	5
1/4	2,162.40	1/4	1,803.31	1/4	1,444.22	1/4	1,085.14	1/4	726.05	1/4	366.96	1/4	19.96	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,154.92	1/2	1,795.83	1/2	1,436.74	1/2	1,077.66	1/2	718.57	1/2	359.48	1/2	15.27	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,147.44	3/4	1,788.35	3/4	1,429.26	3/4	1,070.18	3/4	711.09	3/4	352.00	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	2,139.96	6	1,780.87	6	1,421.78	6	1,062.70	6	703.61	6	344.52	6		6	6	6	6	6	6
1/4	2,132.48	1/4	1,773.39	1/4	1,414.30	1/4	1,055.21	1/4	696.12	1/4	337.04	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,125.00	1/2	1,765.91	1/2	1,406.82	1/2	1,047.73	1/2	688.64	1/2	329.56	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,117.52	3/4	1,758.43	3/4	1,399.34	3/4	1,040.25	3/4	681.16	3/4	322.08	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	2,110.04	7	1,750.95	7	1,391.86	7	1,032.77	7	673.68	7	314.60	7		7	7	7	7	7	7
1/4	2,102.55	1/4	1,743.46	1/4	1,384.38	1/4	1,025.29	1/4	666.20	1/4	307.11	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,095.07	1/2	1,735.98	1/2	1,376.90	1/2	1,017.81	1/2	658.72	1/2	299.63	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,087.59	3/4	1,728.50	3/4	1,369.42	3/4	1,010.33	3/4	651.24	3/4	292.15	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	2,080.11	8	1,721.02	8	1,361.94	8	1,002.85	8	643.76	8	284.67	8		8	8	8	8	8	8
1/4	2,072.63	1/4	1,713.54	1/4	1,354.45	1/4	995.36	1/4	636.28	1/4	277.19	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,065.15	1/2	1,706.06	1/2	1,346.97	1/2	987.88	1/2	628.80	1/2	269.71	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,057.67	3/4	1,698.58	3/4	1,339.49	3/4	980.40	3/4	621.32	3/4	262.23	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	2,050.19	9	1,691.10	9	1,332.01	9	972.92	9	613.84	9	254.75	9		9	9	9	9	9	9
1/4	2,042.70	1/4	1,683.62	1/4	1,324.53	1/4	965.44	1/4	606.35	1/4	247.26	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,035.22	1/2	1,676.14	1/2	1,317.05	1/2	957.96	1/2	598.87	1/2	239.78	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,027.74	3/4	1,668.66	3/4	1,309.57	3/4	950.48	3/4	591.39	3/4	232.30	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	2,020.26	10	1,661.18	10	1,302.09	10	943.00	10	583.91	10	224.82	10		10	10	10	10	10	10
1/4	2,012.78	1/4	1,653.69	1/4	1,294.60	1/4	935.52	1/4	576.43	1/4	217.34	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,005.30	1/2	1,646.21	1/2	1,287.12	1/2	928.04	1/2	568.95	1/2	209.86	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,997.82	3/4	1,638.73	3/4	1,279.64	3/4	920.56	3/4	561.47	3/4	202.38	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,990.34	11	1,631.25	11	1,272.16	11	913.08	11	553.99	11	194.90	11		11	11	11	11	11	11
1/4	1,982.86	1/4	1,623.77	1/4	1,264.68	1/4	905.59	1/4	546.50	1/4	187.42	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,975.38	1/2	1,616.29	1/2	1,257.20	1/2	898.11	1/2	539.02	1/2	179.94	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,967.90	3/4	1,608.81	3/4	1,249.72	3/4	890.63	3/4	531.54	3/4	172.46	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/25/2011 INSP
RECALCULATED: 12/16/2021 PMA
NAME CHANGE: 12/16/2021 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2021

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



BARGE "KIRBY 29147"

3 PORT ULLAGE TABLE

MMC

GAUGE HEIGHT 16'-05"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30026"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0	4,497.92	0	4,302.09	0	4,081.77	0	3,861.45	0	3,641.13	0	3,371.97	0	3,013.89	0	2,655.81		
1/4	1/4	1/4	1/4	1/4	4,496.01	1/4	4,297.50	1/4	4,077.18	1/4	3,856.86	1/4	3,636.54	1/4	3,364.51	1/4	3,006.43	1/4	2,648.35		
1/2	1/2	1/2	1/2	1/2	4,494.10	1/2	4,292.91	1/2	4,072.59	1/2	3,852.27	1/2	3,631.95	1/2	3,357.05	1/2	2,998.97	1/2	2,640.89		
3/4	3/4	3/4	3/4	3/4	4,492.18	3/4	4,288.32	3/4	4,068.00	3/4	3,847.68	3/4	3,627.36	3/4	3,349.59	3/4	2,991.51	3/4	2,633.43		
1	1	1	1	1	4,490.27	1	4,283.73	1	4,063.41	1	3,843.09	1	3,622.77	1	3,342.13	1	2,984.05	1	2,625.97		
1/4	1/4	1/4	1/4	1/4	4,487.60	1/4	4,279.14	1/4	4,058.82	1/4	3,838.50	1/4	3,618.18	1/4	3,334.67	1/4	2,976.59	1/4	2,619.01		
1/2	1/2	1/2	1/2	1/2	4,484.92	1/2	4,274.55	1/2	4,054.23	1/2	3,833.91	1/2	3,613.59	1/2	3,327.21	1/2	2,969.13	1/2	2,612.05		
3/4	3/4	3/4	3/4	3/4	4,482.25	3/4	4,269.96	3/4	4,049.64	3/4	3,829.32	3/4	3,609.00	3/4	3,319.75	3/4	2,961.67	3/4	2,605.09		
2	2	2	2	2	4,479.57	2	4,265.37	2	4,045.05	2	3,824.73	2	3,604.41	2	3,312.29	2	2,954.21	2	2,598.13		
1/4	1/4	1/4	1/4	1/4	4,476.13	1/4	4,260.78	1/4	4,040.46	1/4	3,820.14	1/4	3,599.82	1/4	3,304.83	1/4	2,946.75	1/4	2,590.17		
1/2	1/2	1/2	1/2	1/2	4,472.69	1/2	4,256.19	1/2	4,035.87	1/2	3,815.55	1/2	3,595.23	1/2	3,297.37	1/2	2,939.29	1/2	2,582.21		
3/4	3/4	3/4	3/4	3/4	4,469.24	3/4	4,251.60	3/4	4,031.28	3/4	3,810.96	3/4	3,590.64	3/4	3,289.91	3/4	2,931.83	3/4	2,574.25		
3	3	3	3	3	4,465.80	3	4,247.01	3	4,026.69	3	3,806.37	3	3,586.05	3	3,282.45	3	2,924.37	3	2,566.29		
1/4	1/4	1/4	1/4	1/4	4,461.59	1/4	4,242.42	1/4	4,022.10	1/4	3,801.78	1/4	3,581.46	1/4	3,274.99	1/4	2,916.91	1/4	2,558.83		
1/2	1/2	1/2	1/2	1/2	4,457.39	1/2	4,237.83	1/2	4,017.51	1/2	3,797.19	1/2	3,576.87	1/2	3,267.53	1/2	2,909.45	1/2	2,551.37		
3/4	3/4	3/4	3/4	3/4	4,453.18	3/4	4,233.24	3/4	4,012.92	3/4	3,792.60	3/4	3,572.28	3/4	3,260.07	3/4	2,901.99	3/4	2,543.91		
4	4	4	4	4	4,448.97	4	4,228.65	4	4,008.33	4	3,788.01	4	3,567.69	4	3,252.61	4	2,894.53	4	2,536.45		
1/4	1/4	1/4	1/4	1/4	4,444.38	1/4	4,224.06	1/4	4,003.74	1/4	3,783.42	1/4	3,563.04	1/4	3,245.15	1/4	2,887.07	1/4	2,528.99		
1/2	1/2	1/2	1/2	1/2	4,439.79	1/2	4,219.47	1/2	3,999.15	1/2	3,778.83	1/2	3,558.40	1/2	3,237.69	1/2	2,879.61	1/2	2,521.53		
3/4	3/4	3/4	3/4	3/4	4,435.20	3/4	4,214.88	3/4	3,994.56	3/4	3,774.24	3/4	3,553.75	3/4	3,230.23	3/4	2,872.15	3/4	2,514.07		
5	5	5	5	5	4,430.61	5	4,210.29	5	3,989.97	5	3,769.65	5	3,549.11	5	3,222.77	5	2,864.69	5	2,506.61		
1/4	1/4	1/4	1/4	1/4	4,426.02	1/4	4,205.70	1/4	3,985.38	1/4	3,765.06	1/4	3,544.08	1/4	3,215.31	1/4	2,857.23	1/4	2,499.15		
1/2	1/2	1/2	1/2	1/2	4,421.43	1/2	4,201.11	1/2	3,980.79	1/2	3,760.47	1/2	3,539.04	1/2	3,207.85	1/2	2,849.77	1/2	2,491.69		
3/4	3/4	3/4	3/4	3/4	4,416.84	3/4	4,196.52	3/4	3,976.20	3/4	3,755.88	3/4	3,534.01	3/4	3,200.39	3/4	2,842.31	3/4	2,484.23		
6	6	6	6	6	4,412.25	6	4,191.93	6	3,971.61	6	3,751.29	6	3,528.98	6	3,192.93	6	2,834.85	6	2,476.77		
1/4	1/4	1/4	1/4	1/4	4,407.66	1/4	4,187.34	1/4	3,967.02	1/4	3,746.70	1/4	3,523.51	1/4	3,185.47	1/4	2,827.39	1/4	2,469.31		
1/2	1/2	1/2	1/2	1/2	4,403.07	1/2	4,182.75	1/2	3,962.43	1/2	3,742.11	1/2	3,518.03	1/2	3,178.01	1/2	2,819.93	1/2	2,461.85		
3/4	3/4	3/4	3/4	3/4	4,398.48	3/4	4,178.16	3/4	3,957.84	3/4	3,737.52	3/4	3,512.56	3/4	3,170.55	3/4	2,812.47	3/4	2,454.39		
7	7	7	7	7	4,393.89	7	4,173.57	7	3,953.25	7	3,732.93	7	3,507.09	7	3,163.09	7	2,805.01	7	2,446.93		
1/4	1/4	1/4	1/4	1/4	4,389.30	1/4	4,168.98	1/4	3,948.66	1/4	3,728.34	1/4	3,501.17	1/4	3,155.63	1/4	2,797.55	1/4	2,439.47		
1/2	1/2	1/2	1/2	1/2	4,384.71	1/2	4,164.39	1/2	3,944.07	1/2	3,723.75	1/2	3,495.25	1/2	3,148.17	1/2	2,790.09	1/2	2,432.01		
3/4	3/4	3/4	3/4	3/4	4,380.12	3/4	4,159.80	3/4	3,939.48	3/4	3,719.16	3/4	3,489.34	3/4	3,140.71	3/4	2,782.63	3/4	2,424.55		
8	8	8	8	8	4,375.53	8	4,155.21	8	3,934.89	8	3,714.57	8	3,483.42	8	3,133.25	8	2,775.17	8	2,417.09		
1/4	1/4	1/4	1/4	1/4	4,370.94	1/4	4,150.62	1/4	3,930.30	1/4	3,709.98	1/4	3,477.06	1/4	3,125.79	1/4	2,767.71	1/4	2,409.63		
1/2	1/2	1/2	1/2	1/2	4,366.35	1/2	4,146.03	1/2	3,925.71	1/2	3,705.39	1/2	3,470.70	1/2	3,118.33	1/2	2,760.25	1/2	2,402.17		
3/4	3/4	3/4	3/4	3/4	4,361.76	3/4	4,141.44	3/4	3,921.12	3/4	3,700.80	3/4	3,464.35	3/4	3,110.87	3/4	2,752.79	3/4	2,394.71		
9	9	9	9	9	4,357.17	9	4,136.85	9	3,916.53	9	3,696.21	9	3,457.99	9	3,103.41	9	2,745.33	9	2,387.25		
1/4	1/4	1/4	1/4	1/4	4,352.58	1/4	4,132.26	1/4	3,911.94	1/4	3,691.62	1/4	3,451.19	1/4	3,095.95	1/4	2,737.87	1/4	2,379.79		
1/2	1/2	1/2	1/2	1/2	4,347.99	1/2	4,127.67	1/2	3,907.35	1/2	3,687.03	1/2	3,444.38	1/2	3,088.49	1/2	2,730.41	1/2	2,372.33		
3/4	3/4	3/4	3/4	3/4	4,343.40	3/4	4,123.08	3/4	3,902.76	3/4	3,682.44	3/4	3,437.58	3/4	3,081.03	3/4	2,722.95	3/4	2,364.87		
10	10	10	10	10	4,504.05	10	4,338.81	10	4,118.49	10	3,898.17	10	3,677.85	10	3,430.78	10	3,073.57	10	2,715.49	10	2,357.41
1/4	1/4	1/4	1/4	1/4	4,504.41	1/4	4,334.22	1/4	4,113.90	1/4	3,893.58	1/4	3,673.26	1/4	3,423.54	1/4	3,066.11	1/4	2,708.03	1/4	2,349.95
1/2	1/2	1/2	1/2	1/2	4,503.78	1/2	4,329.63	1/2	4,109.31	1/2	3,888.99	1/2	3,668.67	1/2	3,416.29	1/2	3,058.65	1/2	2,700.57	1/2	2,342.49
3/4	3/4	3/4	3/4	3/4	4,503.14	3/4	4,325.04	3/4	4,104.72	3/4	3,884.40	3/4	3,664.08	3/4	3,409.05	3/4	3,051.19	3/4	2,693.11	3/4	2,335.03
11	11	11	11	11	4,502.51	11	4,320.45	11	4,100.13	11	3,879.81	11	3,659.49	11	3,401.81	11	3,043.73	11	2,685.65	11	2,327.57
1/4	1/4	1/4	1/4	1/4	4,501.36	1/4	4,315.86	1/4	4,095.54	1/4	3,875.22	1/4	3,654.90	1/4	3,394.35	1/4	3,036.27	1/4	2,678.19	1/4	2,320.11
1/2	1/2	1/2	1/2	1/2	4,500.22	1/2	4,311.27	1/2	4,090.95	1/2	3,870.63	1/2	3,650.31	1/2	3,386.89	1/2	3,028.81	1/2	2,670.73	1/2	2,312.65
3/4	3/4	3/4	3/4	3/4	4,499.07	3/4	4,306.68	3/4	4,086.36	3/4	3,866.04	3/4	3,645.72	3/4	3,379.43	3/4	3,021.35	3/4	2,663.27	3/4	2,305.19

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF THREADS ON "MMC" VALVE

GAUGE POINT: (MMC) LOCATED 12'-06" 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 29147"

3 PORT ULLAGE TABLE MMC

Gauge Height 16'-05"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30026"

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	2,297.73	0	1,939.65	0	1,581.57	0	1,223.81	0	866.09	0	507.82	0	149.55	0		0		0	
1/4	2,290.27	1/4	1,932.19	1/4	1,574.11	1/4	1,216.36	1/4	858.63	1/4	500.36	1/4	142.08	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,282.81	1/2	1,924.73	1/2	1,566.65	1/2	1,208.92	1/2	851.16	1/2	492.89	1/2	134.62	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,275.35	3/4	1,917.27	3/4	1,559.19	3/4	1,201.47	3/4	843.70	3/4	485.43	3/4	127.15	3/4	3/4	3/4	3/4	3/4	3/4
1	2,267.89	1	1,909.81	1	1,551.73	1	1,194.03	1	836.24	1	477.97	1	119.69	1	1	1	1	1	1
1/4	2,260.43	1/4	1,902.35	1/4	1,544.27	1/4	1,186.58	1/4	828.77	1/4	470.50	1/4	112.23	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,252.97	1/2	1,894.89	1/2	1,536.81	1/2	1,179.14	1/2	821.31	1/2	463.04	1/2	104.76	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,245.51	3/4	1,887.43	3/4	1,529.35	3/4	1,171.69	3/4	813.84	3/4	455.57	3/4	97.30	3/4	3/4	3/4	3/4	3/4	3/4
2	2,238.05	2	1,879.97	2	1,521.89	2	1,164.25	2	806.38	2	448.11	2	89.84	2	2	2	2	2	2
1/4	2,230.59	1/4	1,872.51	1/4	1,514.43	1/4	1,156.81	1/4	798.92	1/4	440.64	1/4	82.37	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,223.13	1/2	1,865.05	1/2	1,506.97	1/2	1,149.36	1/2	791.45	1/2	433.18	1/2	74.91	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,215.67	3/4	1,857.59	3/4	1,499.51	3/4	1,141.92	3/4	783.99	3/4	425.71	3/4	67.44	3/4	3/4	3/4	3/4	3/4	3/4
3	2,208.21	3	1,850.13	3	1,492.05	3	1,134.48	3	776.53	3	418.25	3	59.98	3	3	3	3	3	3
1/4	2,200.75	1/4	1,842.67	1/4	1,484.59	1/4	1,127.03	1/4	769.06	1/4	410.79	1/4	53.45	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,193.29	1/2	1,835.21	1/2	1,477.13	1/2	1,119.59	1/2	761.60	1/2	403.32	1/2	46.92	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,185.83	3/4	1,827.75	3/4	1,469.67	3/4	1,112.14	3/4	754.13	3/4	395.86	3/4	40.39	3/4	3/4	3/4	3/4	3/4	3/4
4	2,178.37	4	1,820.29	4	1,462.21	4	1,104.70	4	746.67	4	388.40	4	33.86	4	4	4	4	4	4
1/4	2,170.91	1/4	1,812.83	1/4	1,454.75	1/4	1,097.26	1/4	739.20	1/4	380.93	1/4	29.21	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,163.45	1/2	1,805.37	1/2	1,447.29	1/2	1,089.81	1/2	731.74	1/2	373.47	1/2	24.56	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,155.99	3/4	1,797.91	3/4	1,439.83	3/4	1,082.37	3/4	724.27	3/4	366.00	3/4	19.91	3/4	3/4	3/4	3/4	3/4	3/4
5	2,148.53	5	1,790.45	5	1,432.37	5	1,074.93	5	716.81	5	358.54	5	15.21	5	5	5	5	5	5
1/4	2,141.07	1/4	1,782.99	1/4	1,424.91	1/4	1,067.48	1/4	709.35	1/4	351.08	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,133.61	1/2	1,775.53	1/2	1,417.45	1/2	1,060.04	1/2	701.88	1/2	343.61	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,126.15	3/4	1,768.07	3/4	1,409.99	3/4	1,052.59	3/4	694.42	3/4	336.15	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	2,118.69	6	1,760.61	6	1,402.53	6	1,045.15	6	686.96	6	328.69	6	6	6	6	6	6	6	6
1/4	2,111.23	1/4	1,753.15	1/4	1,395.07	1/4	1,037.70	1/4	679.49	1/4	321.22	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,103.77	1/2	1,745.69	1/2	1,387.61	1/2	1,030.26	1/2	672.03	1/2	313.76	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,096.31	3/4	1,738.23	3/4	1,380.15	3/4	1,022.81	3/4	664.56	3/4	306.29	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	2,088.85	7	1,730.77	7	1,372.69	7	1,015.37	7	657.10	7	298.83	7	7	7	7	7	7	7	7
1/4	2,081.39	1/4	1,723.31	1/4	1,365.24	1/4	1,007.91	1/4	649.64	1/4	291.36	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,073.93	1/2	1,715.85	1/2	1,357.80	1/2	1,000.44	1/2	642.17	1/2	283.90	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,066.47	3/4	1,708.39	3/4	1,350.35	3/4	992.98	3/4	634.71	3/4	276.43	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	2,059.01	8	1,700.93	8	1,342.91	8	985.52	8	627.25	8	268.97	8	8	8	8	8	8	8	8
1/4	2,051.55	1/4	1,693.47	1/4	1,335.46	1/4	978.05	1/4	619.78	1/4	261.51	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,044.09	1/2	1,686.01	1/2	1,328.02	1/2	970.59	1/2	612.32	1/2	254.04	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,036.63	3/4	1,678.55	3/4	1,320.57	3/4	963.12	3/4	604.85	3/4	246.58	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	2,029.17	9	1,671.09	9	1,313.13	9	955.66	9	597.39	9	239.12	9	9	9	9	9	9	9	9
1/4	2,021.71	1/4	1,663.63	1/4	1,305.69	1/4	948.20	1/4	589.92	1/4	231.65	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,014.25	1/2	1,656.17	1/2	1,298.24	1/2	940.73	1/2	582.46	1/2	224.19	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,006.79	3/4	1,648.71	3/4	1,290.80	3/4	933.27	3/4	574.99	3/4	216.72	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	1,999.33	10	1,641.25	10	1,283.36	10	925.81	10	567.53	10	209.26	10	10	10	10	10	10	10	10
1/4	1,991.87	1/4	1,633.79	1/4	1,275.91	1/4	918.34	1/4	560.07	1/4	201.80	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,984.41	1/2	1,626.33	1/2	1,268.47	1/2	910.88	1/2	552.60	1/2	194.33	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,976.95	3/4	1,618.87	3/4	1,261.02	3/4	903.41	3/4	545.14	3/4	186.87	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,969.49	11	1,611.41	11	1,253.58	11	895.95	11	537.68	11	179.41	11	11	11	11	11	11	11	11
1/4	1,962.03	1/4	1,603.95	1/4	1,246.14	1/4	888.48	1/4	530.21	1/4	171.94	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,954.57	1/2	1,596.49	1/2	1,238.69	1/2	881.02	1/2	522.75	1/2	164.48	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,947.11	3/4	1,589.03	3/4	1,231.25	3/4	873.55	3/4	515.28	3/4	157.01	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/25/2011 INSP
RECALCULATED: 12/16/2021 PMA
NAME CHANGE: 12/16/2021 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2021

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



BARGE "KIRBY 29147"

3 STBD ULLAGE TABLE

MMC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30026"

GAUGE HEIGHT 16'-05 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	4,499.07	0	4,306.68	0	4,086.36	0	3,866.04	0	3,645.72	0	3,379.43	0	3,021.35	0	2,663.27
1/4		1/4		1/4	4,497.92	1/4	4,302.09	1/4	4,081.77	1/4	3,861.45	1/4	3,641.13	1/4	3,371.97	1/4	3,013.89	1/4	2,655.81
1/2		1/2		1/2	4,496.01	1/2	4,297.50	1/2	4,077.18	1/2	3,856.86	1/2	3,636.54	1/2	3,364.51	1/2	3,006.43	1/2	2,648.35
3/4		3/4		3/4	4,494.10	3/4	4,292.91	3/4	4,072.59	3/4	3,852.27	3/4	3,631.95	3/4	3,357.05	3/4	2,998.97	3/4	2,640.89
1		1		1	4,492.18	1	4,288.32	1	4,068.00	1	3,847.68	1	3,627.36	1	3,349.59	1	2,991.51	1	2,633.43
1/4		1/4		1/4	4,490.27	1/4	4,283.73	1/4	4,063.41	1/4	3,843.09	1/4	3,622.77	1/4	3,342.13	1/4	2,984.05	1/4	2,625.97
1/2		1/2		1/2	4,487.60	1/2	4,279.14	1/2	4,058.82	1/2	3,838.50	1/2	3,618.18	1/2	3,334.67	1/2	2,976.59	1/2	2,619.01
3/4		3/4		3/4	4,484.92	3/4	4,274.55	3/4	4,054.23	3/4	3,833.91	3/4	3,613.59	3/4	3,327.21	3/4	2,969.13	3/4	2,612.05
2		2		2	4,482.25	2	4,269.96	2	4,049.64	2	3,829.32	2	3,609.00	2	3,319.75	2	2,961.67	2	2,605.09
1/4		1/4		1/4	4,479.57	1/4	4,265.37	1/4	4,045.05	1/4	3,824.73	1/4	3,604.41	1/4	3,312.29	1/4	2,954.21	1/4	2,598.13
1/2		1/2		1/2	4,476.13	1/2	4,260.78	1/2	4,040.46	1/2	3,820.14	1/2	3,599.82	1/2	3,304.83	1/2	2,946.75	1/2	2,590.17
3/4		3/4		3/4	4,472.69	3/4	4,256.19	3/4	4,035.87	3/4	3,815.55	3/4	3,595.23	3/4	3,297.37	3/4	2,939.29	3/4	2,582.21
3		3		3	4,469.24	3	4,251.60	3	4,031.28	3	3,810.96	3	3,590.64	3	3,289.91	3	2,931.83	3	2,574.25
1/4		1/4		1/4	4,465.80	1/4	4,247.01	1/4	4,026.69	1/4	3,806.37	1/4	3,586.05	1/4	3,282.45	1/4	2,924.37	1/4	2,566.29
1/2		1/2		1/2	4,461.59	1/2	4,242.42	1/2	4,022.10	1/2	3,801.78	1/2	3,581.46	1/2	3,274.99	1/2	2,916.91	1/2	2,558.83
3/4		3/4		3/4	4,457.39	3/4	4,237.83	3/4	4,017.51	3/4	3,797.19	3/4	3,576.87	3/4	3,267.53	3/4	2,909.45	3/4	2,551.37
4		4		4	4,453.18	4	4,233.24	4	4,012.92	4	3,792.60	4	3,572.28	4	3,260.07	4	2,901.99	4	2,543.91
1/4		1/4		1/4	4,448.97	1/4	4,228.65	1/4	4,008.33	1/4	3,788.01	1/4	3,567.69	1/4	3,252.61	1/4	2,894.53	1/4	2,536.45
1/2		1/2		1/2	4,444.38	1/2	4,224.06	1/2	4,003.74	1/2	3,783.42	1/2	3,563.04	1/2	3,245.15	1/2	2,887.07	1/2	2,528.99
3/4		3/4		3/4	4,439.79	3/4	4,219.47	3/4	3,999.15	3/4	3,778.83	3/4	3,558.40	3/4	3,237.69	3/4	2,879.61	3/4	2,521.53
5		5		5	4,435.20	5	4,214.88	5	3,994.56	5	3,774.24	5	3,553.75	5	3,230.23	5	2,872.15	5	2,514.07
1/4		1/4		1/4	4,430.61	1/4	4,210.29	1/4	3,989.97	1/4	3,769.65	1/4	3,549.11	1/4	3,222.77	1/4	2,864.69	1/4	2,506.61
1/2		1/2		1/2	4,426.02	1/2	4,205.70	1/2	3,985.38	1/2	3,765.06	1/2	3,544.08	1/2	3,215.31	1/2	2,857.23	1/2	2,499.15
3/4		3/4		3/4	4,421.43	3/4	4,201.11	3/4	3,980.79	3/4	3,760.47	3/4	3,539.04	3/4	3,207.85	3/4	2,849.77	3/4	2,491.69
6		6		6	4,416.84	6	4,196.52	6	3,976.20	6	3,755.88	6	3,534.01	6	3,200.39	6	2,842.31	6	2,484.23
1/4		1/4		1/4	4,412.25	1/4	4,191.93	1/4	3,971.61	1/4	3,751.29	1/4	3,528.98	1/4	3,192.93	1/4	2,834.85	1/4	2,476.77
1/2		1/2		1/2	4,407.66	1/2	4,187.34	1/2	3,967.02	1/2	3,746.70	1/2	3,523.51	1/2	3,185.47	1/2	2,827.39	1/2	2,469.31
3/4		3/4		3/4	4,403.07	3/4	4,182.75	3/4	3,962.43	3/4	3,742.11	3/4	3,518.03	3/4	3,178.01	3/4	2,819.93	3/4	2,461.85
7		7		7	4,398.48	7	4,178.16	7	3,957.84	7	3,737.52	7	3,512.56	7	3,170.55	7	2,812.47	7	2,454.39
1/4		1/4		1/4	4,393.89	1/4	4,173.57	1/4	3,953.25	1/4	3,732.93	1/4	3,507.09	1/4	3,163.09	1/4	2,805.01	1/4	2,446.93
1/2		1/2		1/2	4,389.30	1/2	4,168.98	1/2	3,948.66	1/2	3,728.34	1/2	3,501.17	1/2	3,155.63	1/2	2,797.55	1/2	2,439.47
3/4		3/4		3/4	4,384.71	3/4	4,164.39	3/4	3,944.07	3/4	3,723.75	3/4	3,495.25	3/4	3,148.17	3/4	2,790.09	3/4	2,432.01
8		8		8	4,380.12	8	4,159.80	8	3,939.48	8	3,719.16	8	3,489.34	8	3,140.71	8	2,782.63	8	2,424.55
1/4		1/4		1/4	4,375.53	1/4	4,155.21	1/4	3,934.89	1/4	3,714.57	1/4	3,483.42	1/4	3,133.25	1/4	2,775.17	1/4	2,417.09
1/2		1/2		1/2	4,370.94	1/2	4,150.62	1/2	3,930.30	1/2	3,709.98	1/2	3,477.06	1/2	3,125.79	1/2	2,767.71	1/2	2,409.63
3/4		3/4		3/4	4,366.35	3/4	4,146.03	3/4	3,925.71	3/4	3,705.39	3/4	3,470.70	3/4	3,118.33	3/4	2,760.25	3/4	2,402.17
9		9		9	4,361.76	9	4,141.44	9	3,921.12	9	3,700.80	9	3,464.35	9	3,110.87	9	2,752.79	9	2,394.71
1/4		1/4		1/4	4,357.17	1/4	4,136.85	1/4	3,916.53	1/4	3,696.21	1/4	3,457.99	1/4	3,103.41	1/4	2,745.33	1/4	2,387.25
1/2		1/2		1/2	4,352.58	1/2	4,132.26	1/2	3,911.94	1/2	3,691.62	1/2	3,451.19	1/2	3,095.95	1/2	2,737.87	1/2	2,379.79
3/4		3/4		3/4	4,347.99	3/4	4,127.67	3/4	3,907.35	3/4	3,687.03	3/4	3,444.38	3/4	3,088.49	3/4	2,730.41	3/4	2,372.33
10		10		10	4,343.40	10	4,123.08	10	3,902.76	10	3,682.44	10	3,437.58	10	3,081.03	10	2,722.95	10	2,364.87
1/4		1/4		1/4	4,504.05	1/4	4,338.81	1/4	4,118.49	1/4	3,898.17	1/4	3,677.85	1/4	3,430.78	1/4	3,073.57	1/4	2,715.49
1/2		1/2		1/2	4,504.41	1/2	4,334.22	1/2	4,113.90	1/2	3,893.58	1/2	3,673.26	1/2	3,423.54	1/2	3,066.11	1/2	2,708.03
3/4		3/4		3/4	4,503.78	3/4	4,329.63	3/4	4,109.31	3/4	3,888.99	3/4	3,668.67	3/4	3,416.29	3/4	3,058.65	3/4	2,700.57
11		11		11	4,503.14	11	4,325.04	11	4,104.72	11	3,884.40	11	3,664.08	11	3,409.05	11	2,693.11	11	2,335.03
1/4		1/4		1/4	4,502.51	1/4	4,320.45	1/4	4,100.13	1/4	3,879.81	1/4	3,659.49	1/4	3,401.81	1/4	2,685.65	1/4	2,327.57
1/2		1/2		1/2	4,501.36	1/2	4,315.86	1/2	4,095.54	1/2	3,875.22	1/2	3,654.90	1/2	3,394.35	1/2	2,678.19	1/2	2,320.11
3/4		3/4		3/4	4,500.22	3/4	4,311.27	3/4	4,090.95	3/4	3,870.63	3/4	3,650.31	3/4	3,386.89	3/4	2,670.73	3/4	2,312.65

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF THREADS ON "MMC" VALVE
 GAUGE POINT: (MMC) LOCATED 12'-06" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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 Pearland, Texas 77588
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BARGE "KIRBY 29147"

3 STBD

ULLAGE TABLE

MMC

GAUGE HEIGHT 16'-05 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30026"

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	2,305.19	0	1,947.11	0	1,589.03	0	1,231.25	0	873.55	0	515.28	0	157.01	0		0		0	
1/4	2,297.73	1/4	1,939.65	1/4	1,581.57	1/4	1,223.81	1/4	866.09	1/4	507.82	1/4	149.55	1/4		1/4		1/4	
1/2	2,290.27	1/2	1,932.19	1/2	1,574.11	1/2	1,216.36	1/2	858.63	1/2	500.36	1/2	142.08	1/2		1/2		1/2	
3/4	2,282.81	3/4	1,924.73	3/4	1,566.65	3/4	1,208.92	3/4	851.16	3/4	492.89	3/4	134.62	3/4		3/4		3/4	
1	2,275.35	1	1,917.27	1	1,559.19	1	1,201.47	1	843.70	1	485.43	1	127.15	1		1		1	
1/4	2,267.89	1/4	1,909.81	1/4	1,551.73	1/4	1,194.03	1/4	836.24	1/4	477.97	1/4	119.69	1/4		1/4		1/4	
1/2	2,260.43	1/2	1,902.35	1/2	1,544.27	1/2	1,186.58	1/2	828.77	1/2	470.50	1/2	112.23	1/2		1/2		1/2	
3/4	2,252.97	3/4	1,894.89	3/4	1,536.81	3/4	1,179.14	3/4	821.31	3/4	463.04	3/4	104.76	3/4		3/4		3/4	
2	2,245.51	2	1,887.43	2	1,529.35	2	1,171.69	2	813.84	2	455.57	2	97.30	2		2		2	
1/4	2,238.05	1/4	1,879.97	1/4	1,521.89	1/4	1,164.25	1/4	806.38	1/4	448.11	1/4	89.84	1/4		1/4		1/4	
1/2	2,230.59	1/2	1,872.51	1/2	1,514.43	1/2	1,156.81	1/2	798.92	1/2	440.64	1/2	82.37	1/2		1/2		1/2	
3/4	2,223.13	3/4	1,865.05	3/4	1,506.97	3/4	1,149.36	3/4	791.45	3/4	433.18	3/4	74.91	3/4		3/4		3/4	
3	2,215.67	3	1,857.59	3	1,499.51	3	1,141.92	3	783.99	3	425.71	3	67.44	3		3		3	
1/4	2,208.21	1/4	1,850.13	1/4	1,492.05	1/4	1,134.48	1/4	776.53	1/4	418.25	1/4	59.98	1/4		1/4		1/4	
1/2	2,200.75	1/2	1,842.67	1/2	1,484.59	1/2	1,127.03	1/2	769.06	1/2	410.79	1/2	53.45	1/2		1/2		1/2	
3/4	2,193.29	3/4	1,835.21	3/4	1,477.13	3/4	1,119.59	3/4	761.60	3/4	403.32	3/4	46.92	3/4		3/4		3/4	
4	2,185.83	4	1,827.75	4	1,469.67	4	1,112.14	4	754.13	4	395.86	4	40.39	4		4		4	
1/4	2,178.37	1/4	1,820.29	1/4	1,462.21	1/4	1,104.70	1/4	746.67	1/4	388.40	1/4	33.86	1/4		1/4		1/4	
1/2	2,170.91	1/2	1,812.83	1/2	1,454.75	1/2	1,097.26	1/2	739.20	1/2	380.93	1/2	29.21	1/2		1/2		1/2	
3/4	2,163.45	3/4	1,805.37	3/4	1,447.29	3/4	1,089.81	3/4	731.74	3/4	373.47	3/4	24.56	3/4		3/4		3/4	
5	2,155.99	5	1,797.91	5	1,439.83	5	1,082.37	5	724.27	5	366.00	5	19.91	5		5		5	
1/4	2,148.53	1/4	1,790.45	1/4	1,432.37	1/4	1,074.93	1/4	716.81	1/4	358.54	1/4	15.21	1/4		1/4		1/4	
1/2	2,141.07	1/2	1,782.99	1/2	1,424.91	1/2	1,067.48	1/2	709.35	1/2	351.08	1/2		1/2		1/2		1/2	
3/4	2,133.61	3/4	1,775.53	3/4	1,417.45	3/4	1,060.04	3/4	701.88	3/4	343.61	3/4		3/4		3/4		3/4	
6	2,126.15	6	1,768.07	6	1,409.99	6	1,052.59	6	694.42	6	336.15	6		6		6		6	
1/4	2,118.69	1/4	1,760.61	1/4	1,402.53	1/4	1,045.15	1/4	686.96	1/4	328.69	1/4		1/4		1/4		1/4	
1/2	2,111.23	1/2	1,753.15	1/2	1,395.07	1/2	1,037.70	1/2	679.49	1/2	321.22	1/2		1/2		1/2		1/2	
3/4	2,103.77	3/4	1,745.69	3/4	1,387.61	3/4	1,030.26	3/4	672.03	3/4	313.76	3/4		3/4		3/4		3/4	
7	2,096.31	7	1,738.23	7	1,380.15	7	1,022.81	7	664.56	7	306.29	7		7		7		7	
1/4	2,088.85	1/4	1,730.77	1/4	1,372.69	1/4	1,015.37	1/4	657.10	1/4	298.83	1/4		1/4		1/4		1/4	
1/2	2,081.39	1/2	1,723.31	1/2	1,365.24	1/2	1,007.91	1/2	649.64	1/2	291.36	1/2		1/2		1/2		1/2	
3/4	2,073.93	3/4	1,715.85	3/4	1,357.80	3/4	1,000.44	3/4	642.17	3/4	283.90	3/4		3/4		3/4		3/4	
8	2,066.47	8	1,708.39	8	1,350.35	8	992.98	8	634.71	8	276.43	8		8		8		8	
1/4	2,059.01	1/4	1,700.93	1/4	1,342.91	1/4	985.52	1/4	627.25	1/4	268.97	1/4		1/4		1/4		1/4	
1/2	2,051.55	1/2	1,693.47	1/2	1,335.46	1/2	978.05	1/2	619.78	1/2	261.51	1/2		1/2		1/2		1/2	
3/4	2,044.09	3/4	1,686.01	3/4	1,328.02	3/4	970.59	3/4	612.32	3/4	254.04	3/4		3/4		3/4		3/4	
9	2,036.63	9	1,678.55	9	1,320.57	9	963.12	9	604.85	9	246.58	9		9		9		9	
1/4	2,029.17	1/4	1,671.09	1/4	1,313.13	1/4	955.66	1/4	597.39	1/4	239.12	1/4		1/4		1/4		1/4	
1/2	2,021.71	1/2	1,663.63	1/2	1,305.69	1/2	948.20	1/2	589.92	1/2	231.65	1/2		1/2		1/2		1/2	
3/4	2,014.25	3/4	1,656.17	3/4	1,298.24	3/4	940.73	3/4	582.46	3/4	224.19	3/4		3/4		3/4		3/4	
10	2,006.79	10	1,648.71	10	1,290.80	10	933.27	10	574.99	10	216.72	10		10		10		10	
1/4	1,999.33	1/4	1,641.25	1/4	1,283.36	1/4	925.81	1/4	567.53	1/4	209.26	1/4		1/4		1/4		1/4	
1/2	1,991.87	1/2	1,633.79	1/2	1,275.91	1/2	918.34	1/2	560.07	1/2	201.80	1/2		1/2		1/2		1/2	
3/4	1,984.41	3/4	1,626.33	3/4	1,268.47	3/4	910.88	3/4	552.60	3/4	194.33	3/4		3/4		3/4		3/4	
11	1,976.95	11	1,618.87	11	1,261.02	11	903.41	11	545.14	11	186.87	11		11		11		11	
1/4	1,969.49	1/4	1,611.41	1/4	1,253.58	1/4	895.95	1/4	537.68	1/4	179.41	1/4		1/4		1/4		1/4	
1/2	1,962.03	1/2	1,603.95	1/2	1,246.14	1/2	888.48	1/2	530.21	1/2	171.94	1/2		1/2		1/2		1/2	
3/4	1,954.57	3/4	1,596.49	3/4	1,238.69	3/4	881.02	3/4	522.75	3/4	164.48	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/25/2011 INSP
RECALCULATED: 12/16/2021 PMA
NAME CHANGE: 12/16/2021 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2021

PRECISION MEASUREMENT
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BARGE "KIRBY 29147"

SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	433	0	1,021	0	1,641	0	2,206	0		0		0		0		0	
1/4	5	1/4	445	1/4	1,034	1/4	1,654	1/4	2,216	1/4		1/4		1/4		1/4		1/4	
1/2	11	1/2	456	1/2	1,047	1/2	1,666	1/2	2,227	1/2		1/2		1/2		1/2		1/2	
3/4	16	3/4	468	3/4	1,060	3/4	1,679	3/4	2,237	3/4		3/4		3/4		3/4		3/4	
1	21	1	479	1	1,073	1	1,691	1	2,247	1		1		1		1		1	
1/4	28	1/4	491	1/4	1,086	1/4	1,704	1/4	2,257	1/4		1/4		1/4		1/4		1/4	
1/2	35	1/2	502	1/2	1,099	1/2	1,716	1/2	2,267	1/2		1/2		1/2		1/2		1/2	
3/4	41	3/4	514	3/4	1,111	3/4	1,729	3/4	2,277	3/4		3/4		3/4		3/4		3/4	
2	48	2	525	2	1,124	2	1,741	2	2,287	2		2		2		2		2	
1/4	56	1/4	537	1/4	1,137	1/4	1,754	1/4	2,297	1/4		1/4		1/4		1/4		1/4	
1/2	63	1/2	549	1/2	1,150	1/2	1,766	1/2	2,307	1/2		1/2		1/2		1/2		1/2	
3/4	71	3/4	560	3/4	1,163	3/4	1,779	3/4	2,316	3/4		3/4		3/4		3/4		3/4	
3	78	3	572	3	1,176	3	1,791	3	2,326	3		3		3		3		3	
1/4	86	1/4	584	1/4	1,189	1/4	1,803	1/4	2,335	1/4		1/4		1/4		1/4		1/4	
1/2	95	1/2	596	1/2	1,202	1/2	1,816	1/2	2,345	1/2		1/2		1/2		1/2		1/2	
3/4	103	3/4	608	3/4	1,215	3/4	1,828	3/4	2,354	3/4		3/4		3/4		3/4		3/4	
4	111	4	620	4	1,228	4	1,840	4	2,363	4		4		4		4		4	
1/4	120	1/4	632	1/4	1,241	1/4	1,852	1/4	2,372	1/4		1/4		1/4		1/4		1/4	
1/2	129	1/2	645	1/2	1,254	1/2	1,864	1/2	2,380	1/2		1/2		1/2		1/2		1/2	
3/4	137	3/4	657	3/4	1,267	3/4	1,876	3/4	2,389	3/4		3/4		3/4		3/4		3/4	
5	146	5	669	5	1,280	5	1,888	5	2,397	5		5		5		5		5	
1/4	155	1/4	681	1/4	1,293	1/4	1,900	1/4	2,405	1/4		1/4		1/4		1/4		1/4	
1/2	165	1/2	694	1/2	1,306	1/2	1,912	1/2	2,414	1/2		1/2		1/2		1/2		1/2	
3/4	174	3/4	706	3/4	1,319	3/4	1,924	3/4	2,422	3/4		3/4		3/4		3/4		3/4	
6	183	6	718	6	1,332	6	1,936	6	2,430	6		6		6		6		6	
1/4	193	1/4	730	1/4	1,345	1/4	1,948	1/4	2,438	1/4		1/4		1/4		1/4		1/4	
1/2	202	1/2	743	1/2	1,358	1/2	1,960	1/2	2,445	1/2		1/2		1/2		1/2		1/2	
3/4	212	3/4	755	3/4	1,371	3/4	1,971	3/4	2,453	3/4		3/4		3/4		3/4		3/4	
7	221	7	767	7	1,384	7	1,983	7	2,460	7		7		7		7		7	
1/4	231	1/4	780	1/4	1,397	1/4	1,995	1/4	2,467	1/4		1/4		1/4		1/4		1/4	
1/2	241	1/2	792	1/2	1,410	1/2	2,007	1/2	2,474	1/2		1/2		1/2		1/2		1/2	
3/4	251	3/4	805	3/4	1,423	3/4	2,018	3/4	2,480	3/4		3/4		3/4		3/4		3/4	
8	261	8	817	8	1,436	8	2,030	8	2,487	8		8		8		8		8	
1/4	271	1/4	830	1/4	1,449	1/4	2,041	1/4	2,492	1/4		1/4		1/4		1/4		1/4	
1/2	282	1/2	843	1/2	1,462	1/2	2,053	1/2	2,498	1/2		1/2		1/2		1/2		1/2	
3/4	292	3/4	855	3/4	1,474	3/4	2,064	3/4	2,503	3/4		3/4		3/4		3/4		3/4	
9	302	9	868	9	1,487	9	2,075	9	2,508	9		9		9		9		9	
1/4	313	1/4	881	1/4	1,500	1/4	2,086	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	324	1/2	894	1/2	1,513	1/2	2,098	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	334	3/4	906	3/4	1,526	3/4	2,109	3/4		3/4		3/4		3/4		3/4		3/4	
10	345	10	919	10	1,539	10	2,120	10		10		10		10		10		10	
1/4	356	1/4	932	1/4	1,552	1/4	2,131	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	367	1/2	945	1/2	1,565	1/2	2,142	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	377	3/4	957	3/4	1,577	3/4	2,152	3/4		3/4		3/4		3/4		3/4		3/4	
11	388	11	970	11	1,590	11	2,163	11		11		11		11		11		11	
1/4	399	1/4	983	1/4	1,603	1/4	2,174	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	411	1/2	996	1/2	1,616	1/2	2,185	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	422	3/4	1,008	3/4	1,628	3/4	2,195	3/4		3/4		3/4		3/4		3/4		3/4	

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

STRAPPED: 08/25/2011 INSP.
RECOMPUTED: 12/16/2021 PMA
REPRINTED: 12/16/2021 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2021

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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BARGE "KIRBY 29147"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT: 4'-06 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	101	0	259	0	416	0	517	0		0		0		0		0	
1/4	1	1/4	104	1/4	262	1/4	419	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1	1/2	107	1/2	265	1/2	422	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2	3/4	110	3/4	269	3/4	425	3/4		3/4		3/4		3/4		3/4		3/4	
1	3	1	113	1	272	1	428	1	1	1	1	1	1	1	1	1	1	1	1
1/4	4	1/4	116	1/4	276	1/4	430	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	5	1/2	119	1/2	279	1/2	433	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	6	3/4	122	3/4	282	3/4	436	3/4		3/4		3/4		3/4		3/4		3/4	
2	7	2	125	2	286	2	439	2	2	2	2	2	2	2	2	2	2	2	2
1/4	9	1/4	129	1/4	289	1/4	442	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	10	1/2	132	1/2	293	1/2	444	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	12	3/4	135	3/4	296	3/4	447	3/4		3/4		3/4		3/4		3/4		3/4	
3	13	3	138	3	300	3	450	3	3	3	3	3	3	3	3	3	3	3	3
1/4	15	1/4	141	1/4	303	1/4	453	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	17	1/2	144	1/2	306	1/2	455	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	19	3/4	148	3/4	310	3/4	458	3/4		3/4		3/4		3/4		3/4		3/4	
4	21	4	151	4	313	4	460	4	4	4	4	4	4	4	4	4	4	4	4
1/4	23	1/4	154	1/4	316	1/4	463	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	25	1/2	157	1/2	320	1/2	465	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	27	3/4	161	3/4	323	3/4	468	3/4		3/4		3/4		3/4		3/4		3/4	
5	29	5	164	5	327	5	470	5	5	5	5	5	5	5	5	5	5	5	5
1/4	31	1/4	167	1/4	330	1/4	473	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	33	1/2	170	1/2	333	1/2	475	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	35	3/4	174	3/4	337	3/4	477	3/4		3/4		3/4		3/4		3/4		3/4	
6	37	6	177	6	340	6	480	6	6	6	6	6	6	6	6	6	6	6	6
1/4	40	1/4	180	1/4	343	1/4	482	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	42	1/2	184	1/2	347	1/2	484	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	44	3/4	187	3/4	350	3/4	486	3/4		3/4		3/4		3/4		3/4		3/4	
7	47	7	190	7	353	7	488	7	7	7	7	7	7	7	7	7	7	7	7
1/4	49	1/4	194	1/4	356	1/4	490	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	52	1/2	197	1/2	360	1/2	492	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	54	3/4	201	3/4	363	3/4	494	3/4		3/4		3/4		3/4		3/4		3/4	
8	57	8	204	8	366	8	496	8	8	8	8	8	8	8	8	8	8	8	8
1/4	59	1/4	207	1/4	369	1/4	498	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	62	1/2	211	1/2	373	1/2	500	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	64	3/4	214	3/4	376	3/4	502	3/4		3/4		3/4		3/4		3/4		3/4	
9	67	9	217	9	379	9	504	9	9	9	9	9	9	9	9	9	9	9	9
1/4	70	1/4	221	1/4	382	1/4	505	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	73	1/2	224	1/2	385	1/2	507	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	75	3/4	228	3/4	388	3/4	508	3/4		3/4		3/4		3/4		3/4		3/4	
10	78	10	231	10	392	10	510	10	10	10	10	10	10	10	10	10	10	10	10
1/4	81	1/4	235	1/4	395	1/4	511	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	84	1/2	238	1/2	398	1/2	512	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	87	3/4	241	3/4	401	3/4	513	3/4		3/4		3/4		3/4		3/4		3/4	
11	89	11	245	11	404	11	514	11	11	11	11	11	11	11	11	11	11	11	11
1/4	92	1/4	248	1/4	407	1/4	515	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	95	1/2	252	1/2	410	1/2	516	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	98	3/4	255	3/4	413	3/4	516	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: 12/13/2021 JS
CALCULATED: 12/14/2021 CL
PRINTED: 12/14/2021 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2021

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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