



BARGE "KIRBY 29144"

ULLAGE TRIM TABLE

FORMERLY "SMS 30020"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 8'-00"
 DIFF. = 6'-00" (DOWN BY STERN)

THE CORRECTION FOR 6'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 00-1/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 7/8"

April 28, 2021

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

<http://www.pmacorp.net>





BARGE "KIRBY 29144"

1 PORT ULLAGE TABLE

MMC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30020"

GAUGE HEIGHT 15'-10 1/2"

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	4,938.08	0	4,579.52	0	4,220.96	0	3,862.40	0	3,503.84	0	3,145.28	0	2,786.72	0	2,428.16
1/4		1/4		1/4	4,930.61	1/4	4,572.05	1/4	4,213.49	1/4	3,854.93	1/4	3,496.37	1/4	3,137.81	1/4	2,779.25	1/4	2,420.69
1/2		1/2		1/2	4,923.14	1/2	4,564.58	1/2	4,206.02	1/2	3,847.46	1/2	3,488.90	1/2	3,130.34	1/2	2,771.78	1/2	2,413.22
3/4		3/4		3/4	4,915.67	3/4	4,557.11	3/4	4,198.55	3/4	3,839.99	3/4	3,481.43	3/4	3,122.87	3/4	2,764.31	3/4	2,405.75
1		1		1	4,908.20	1	4,549.64	1	4,191.08	1	3,832.52	1	3,473.96	1	3,115.40	1	2,756.84	1	2,398.28
1/4		1/4		1/4	4,900.73	1/4	4,542.17	1/4	4,183.61	1/4	3,825.05	1/4	3,466.49	1/4	3,107.93	1/4	2,749.37	1/4	2,390.81
1/2		1/2		1/2	4,893.26	1/2	4,534.70	1/2	4,176.14	1/2	3,817.58	1/2	3,459.02	1/2	3,100.46	1/2	2,741.90	1/2	2,383.34
3/4		3/4		3/4	4,885.79	3/4	4,527.23	3/4	4,168.67	3/4	3,810.11	3/4	3,451.55	3/4	3,092.99	3/4	2,734.43	3/4	2,375.87
2		2		2	4,878.32	2	4,519.76	2	4,161.20	2	3,802.64	2	3,444.08	2	3,085.52	2	2,726.96	2	2,368.40
1/4		1/4		1/4	4,870.85	1/4	4,512.29	1/4	4,153.73	1/4	3,795.17	1/4	3,436.61	1/4	3,078.05	1/4	2,719.49	1/4	2,360.93
1/2		1/2		1/2	4,863.38	1/2	4,504.82	1/2	4,146.26	1/2	3,787.70	1/2	3,429.14	1/2	3,070.58	1/2	2,712.02	1/2	2,353.46
3/4		3/4		3/4	4,855.91	3/4	4,497.35	3/4	4,138.79	3/4	3,780.23	3/4	3,421.67	3/4	3,063.11	3/4	2,704.55	3/4	2,345.99
3		3		3	4,848.44	3	4,489.88	3	4,131.32	3	3,772.76	3	3,414.20	3	3,055.64	3	2,697.08	3	2,338.52
1/4		1/4		1/4	4,840.97	1/4	4,482.41	1/4	4,123.85	1/4	3,765.29	1/4	3,406.73	1/4	3,048.17	1/4	2,689.61	1/4	2,331.05
1/2		1/2	5,102.38	1/2	4,833.50	1/2	4,474.94	1/2	4,116.38	1/2	3,757.82	1/2	3,399.26	1/2	3,040.70	1/2	2,682.14	1/2	2,323.58
3/4		3/4	5,101.76	3/4	4,826.03	3/4	4,467.47	3/4	4,108.91	3/4	3,750.35	3/4	3,391.79	3/4	3,033.23	3/4	2,674.67	3/4	2,316.11
4		4	5,101.14	4	4,818.56	4	4,460.00	4	4,101.44	4	3,742.88	4	3,384.32	4	3,025.76	4	2,667.20	4	2,308.64
1/4		1/4	5,100.52	1/4	4,811.09	1/4	4,452.53	1/4	4,093.97	1/4	3,735.41	1/4	3,376.85	1/4	3,018.29	1/4	2,659.73	1/4	2,301.17
1/2		1/2	5,099.90	1/2	4,803.62	1/2	4,445.06	1/2	4,086.50	1/2	3,727.94	1/2	3,369.38	1/2	3,010.82	1/2	2,652.26	1/2	2,293.70
3/4		3/4	5,098.03	3/4	4,796.15	3/4	4,437.59	3/4	4,079.03	3/4	3,720.47	3/4	3,361.91	3/4	3,003.35	3/4	2,644.79	3/4	2,286.23
5		5	5,096.17	5	4,788.68	5	4,430.12	5	4,071.56	5	3,713.00	5	3,354.44	5	2,995.88	5	2,637.32	5	2,278.76
1/4		1/4	5,094.30	1/4	4,781.21	1/4	4,422.65	1/4	4,064.09	1/4	3,705.53	1/4	3,346.97	1/4	2,988.41	1/4	2,629.85	1/4	2,271.29
1/2		1/2	5,092.43	1/2	4,773.74	1/2	4,415.18	1/2	4,056.62	1/2	3,698.06	1/2	3,339.50	1/2	2,980.94	1/2	2,622.38	1/2	2,263.82
3/4		3/4	5,089.32	3/4	4,766.27	3/4	4,407.71	3/4	4,049.15	3/4	3,690.59	3/4	3,332.03	3/4	2,973.47	3/4	2,614.91	3/4	2,256.35
6		6	5,086.21	6	4,758.80	6	4,400.24	6	4,041.68	6	3,683.12	6	3,324.56	6	2,966.00	6	2,607.44	6	2,248.88
1/4		1/4	5,083.09	1/4	4,751.33	1/4	4,392.77	1/4	4,034.21	1/4	3,675.65	1/4	3,317.09	1/4	2,958.53	1/4	2,599.97	1/4	2,241.41
1/2		1/2	5,079.98	1/2	4,743.86	1/2	4,385.30	1/2	4,026.74	1/2	3,668.18	1/2	3,309.62	1/2	2,951.06	1/2	2,592.50	1/2	2,233.94
3/4		3/4	5,075.63	3/4	4,736.39	3/4	4,377.83	3/4	4,019.27	3/4	3,660.71	3/4	3,302.15	3/4	2,943.59	3/4	2,585.03	3/4	2,226.47
7		7	5,071.27	7	4,728.92	7	4,370.36	7	4,011.80	7	3,653.24	7	3,294.68	7	2,936.12	7	2,577.56	7	2,219.00
1/4		1/4	5,066.92	1/4	4,721.45	1/4	4,362.89	1/4	4,004.33	1/4	3,645.77	1/4	3,287.21	1/4	2,928.65	1/4	2,570.09	1/4	2,211.53
1/2		1/2	5,062.56	1/2	4,713.98	1/2	4,355.42	1/2	3,996.86	1/2	3,638.30	1/2	3,279.74	1/2	2,921.18	1/2	2,562.62	1/2	2,204.06
3/4		3/4	5,056.96	3/4	4,706.51	3/4	4,347.95	3/4	3,989.39	3/4	3,630.83	3/4	3,272.27	3/4	2,913.71	3/4	2,555.15	3/4	2,196.59
8		8	5,051.36	8	4,699.04	8	4,340.48	8	3,981.92	8	3,623.36	8	3,264.80	8	2,906.24	8	2,547.68	8	2,189.12
1/4		1/4	5,045.76	1/4	4,691.57	1/4	4,333.01	1/4	3,974.45	1/4	3,615.89	1/4	3,257.33	1/4	2,898.77	1/4	2,540.21	1/4	2,181.65
1/2		1/2	5,040.16	1/2	4,684.10	1/2	4,325.54	1/2	3,966.98	1/2	3,608.42	1/2	3,249.86	1/2	2,891.30	1/2	2,532.74	1/2	2,174.18
3/4		3/4	5,033.32	3/4	4,676.63	3/4	4,318.07	3/4	3,959.51	3/4	3,600.95	3/4	3,242.39	3/4	2,883.83	3/4	2,525.27	3/4	2,166.71
9		9	5,026.47	9	4,669.16	9	4,310.60	9	3,952.04	9	3,593.48	9	3,234.92	9	2,876.36	9	2,517.80	9	2,159.24
1/4		1/4	5,019.63	1/4	4,661.69	1/4	4,303.13	1/4	3,944.57	1/4	3,586.01	1/4	3,227.45	1/4	2,868.89	1/4	2,510.33	1/4	2,151.77
1/2		1/2	5,012.78	1/2	4,654.22	1/2	4,295.66	1/2	3,937.10	1/2	3,578.54	1/2	3,219.98	1/2	2,861.42	1/2	2,502.86	1/2	2,144.30
3/4		3/4	5,005.31	3/4	4,646.75	3/4	4,288.19	3/4	3,929.63	3/4	3,571.07	3/4	3,212.51	3/4	2,853.95	3/4	2,495.39	3/4	2,136.83
10		10	4,997.84	10	4,639.28	10	4,280.72	10	3,922.16	10	3,563.60	10	3,205.04	10	2,846.48	10	2,487.92	10	2,129.36
1/4		1/4	4,990.37	1/4	4,631.81	1/4	4,273.25	1/4	3,914.69	1/4	3,556.13	1/4	3,197.57	1/4	2,839.01	1/4	2,480.45	1/4	2,121.89
1/2		1/2	4,982.90	1/2	4,624.34	1/2	4,265.78	1/2	3,907.22	1/2	3,548.66	1/2	3,190.10	1/2	2,831.54	1/2	2,472.98	1/2	2,114.42
3/4		3/4	4,975.43	3/4	4,616.87	3/4	4,258.31	3/4	3,899.75	3/4	3,541.19	3/4	3,182.63	3/4	2,824.07	3/4	2,465.51	3/4	2,106.95
11		11	4,967.96	11	4,609.40	11	4,250.84	11	3,892.28	11	3,533.72	11	3,175.16	11	2,816.60	11	2,458.04	11	2,099.48
1/4		1/4	4,960.49	1/4	4,601.93	1/4	4,243.37	1/4	3,884.81	1/4	3,526.25	1/4	3,167.69	1/4	2,809.13	1/4	2,450.57	1/4	2,092.01
1/2		1/2	4,953.02	1/2	4,594.46	1/2	4,235.90	1/2	3,877.34	1/2	3,518.78	1/2	3,160.22	1/2	2,801.66	1/2	2,443.10	1/2	2,084.54
3/4		3/4	4,945.55	3/4	4,586.99	3/4	4,228.43	3/4	3,869.87	3/4	3,511.31	3/4	3,152.75	3/4	2,794.19	3/4	2,435.63	3/4	2,077.07

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'-09" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 29144"

1 PORT ULLAGE TABLE MMC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30020"

GAUGE HEIGHT 15'-10 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	2,069.60	0	1,711.04	0	1,352.48	0	993.92	0	635.36	0	284.01	0		0		0		0	
1/4	2,062.13	1/4	1,703.57	1/4	1,345.01	1/4	986.45	1/4	627.89	1/4	276.97	1/4		1/4		1/4		1/4	
1/2	2,054.66	1/2	1,696.10	1/2	1,337.54	1/2	978.98	1/2	620.42	1/2	269.94	1/2		1/2		1/2		1/2	
3/4	2,047.19	3/4	1,688.63	3/4	1,330.07	3/4	971.51	3/4	612.95	3/4	263.04	3/4		3/4		3/4		3/4	
1	2,039.72	1	1,681.16	1	1,322.60	1	964.04	1	605.48	1	256.13	1		1		1		1	
1/4	2,032.25	1/4	1,673.69	1/4	1,315.13	1/4	956.57	1/4	598.01	1/4	249.23	1/4		1/4		1/4		1/4	
1/2	2,024.78	1/2	1,666.22	1/2	1,307.66	1/2	949.10	1/2	590.54	1/2	242.32	1/2		1/2		1/2		1/2	
3/4	2,017.31	3/4	1,658.75	3/4	1,300.19	3/4	941.63	3/4	583.07	3/4	235.41	3/4		3/4		3/4		3/4	
2	2,009.84	2	1,651.28	2	1,292.72	2	934.16	2	575.60	2	228.51	2		2		2		2	
1/4	2,002.37	1/4	1,643.81	1/4	1,285.25	1/4	926.69	1/4	568.13	1/4	221.60	1/4		1/4		1/4		1/4	
1/2	1,994.90	1/2	1,636.34	1/2	1,277.78	1/2	919.22	1/2	560.66	1/2	214.69	1/2		1/2		1/2		1/2	
3/4	1,987.43	3/4	1,628.87	3/4	1,270.31	3/4	911.75	3/4	553.19	3/4	207.91	3/4		3/4		3/4		3/4	
3	1,979.96	3	1,621.40	3	1,262.84	3	904.28	3	545.72	3	201.13	3		3		3		3	
1/4	1,972.49	1/4	1,613.93	1/4	1,255.37	1/4	896.81	1/4	538.25	1/4	194.34	1/4		1/4		1/4		1/4	
1/2	1,965.02	1/2	1,606.46	1/2	1,247.90	1/2	889.34	1/2	530.78	1/2	187.56	1/2		1/2		1/2		1/2	
3/4	1,957.55	3/4	1,598.99	3/4	1,240.43	3/4	881.87	3/4	523.31	3/4	180.78	3/4		3/4		3/4		3/4	
4	1,950.08	4	1,591.52	4	1,232.96	4	874.40	4	515.84	4	174.00	4		4		4		4	
1/4	1,942.61	1/4	1,584.05	1/4	1,225.49	1/4	866.93	1/4	508.37	1/4	167.21	1/4		1/4		1/4		1/4	
1/2	1,935.14	1/2	1,576.58	1/2	1,218.02	1/2	859.46	1/2	500.90	1/2	160.43	1/2		1/2		1/2		1/2	
3/4	1,927.67	3/4	1,569.11	3/4	1,210.55	3/4	851.99	3/4	493.50	3/4	153.77	3/4		3/4		3/4		3/4	
5	1,920.20	5	1,561.64	5	1,203.08	5	844.52	5	486.10	5	147.12	5		5		5		5	
1/4	1,912.73	1/4	1,554.17	1/4	1,195.61	1/4	837.05	1/4	478.69	1/4	140.46	1/4		1/4		1/4		1/4	
1/2	1,905.26	1/2	1,546.70	1/2	1,188.14	1/2	829.58	1/2	471.29	1/2	133.80	1/2		1/2		1/2		1/2	
3/4	1,897.79	3/4	1,539.23	3/4	1,180.67	3/4	822.11	3/4	463.89	3/4	127.14	3/4		3/4		3/4		3/4	
6	1,890.32	6	1,531.76	6	1,173.20	6	814.64	6	456.48	6	120.49	6		6		6		6	
1/4	1,882.85	1/4	1,524.29	1/4	1,165.73	1/4	807.17	1/4	449.08	1/4	113.83	1/4		1/4		1/4		1/4	
1/2	1,875.38	1/2	1,516.82	1/2	1,158.26	1/2	799.70	1/2	441.67	1/2	107.17	1/2		1/2		1/2		1/2	
3/4	1,867.91	3/4	1,509.35	3/4	1,150.79	3/4	792.23	3/4	434.39	3/4	100.64	3/4		3/4		3/4		3/4	
7	1,860.44	7	1,501.88	7	1,143.32	7	784.76	7	427.11	7	94.11	7		7		7		7	
1/4	1,852.97	1/4	1,494.41	1/4	1,135.85	1/4	777.29	1/4	419.83	1/4	87.57	1/4		1/4		1/4		1/4	
1/2	1,845.50	1/2	1,486.94	1/2	1,128.38	1/2	769.82	1/2	412.55	1/2	81.04	1/2		1/2		1/2		1/2	
3/4	1,838.03	3/4	1,479.47	3/4	1,120.91	3/4	762.35	3/4	405.27	3/4	74.51	3/4		3/4		3/4		3/4	
8	1,830.56	8	1,472.00	8	1,113.44	8	754.88	8	397.99	8	67.97	8		8		8		8	
1/4	1,823.09	1/4	1,464.53	1/4	1,105.97	1/4	747.41	1/4	390.71	1/4	61.44	1/4		1/4		1/4		1/4	
1/2	1,815.62	1/2	1,457.06	1/2	1,098.50	1/2	739.94	1/2	383.43	1/2	54.90	1/2		1/2		1/2		1/2	
3/4	1,808.15	3/4	1,449.59	3/4	1,091.03	3/4	732.47	3/4	376.28	3/4	49.23	3/4		3/4		3/4		3/4	
9	1,800.68	9	1,442.12	9	1,083.56	9	725.00	9	369.12	9	43.55	9		9		9		9	
1/4	1,793.21	1/4	1,434.65	1/4	1,076.09	1/4	717.53	1/4	361.97	1/4	37.88	1/4		1/4		1/4		1/4	
1/2	1,785.74	1/2	1,427.18	1/2	1,068.62	1/2	710.06	1/2	354.81	1/2	32.20	1/2		1/2		1/2		1/2	
3/4	1,778.27	3/4	1,419.71	3/4	1,061.15	3/4	702.59	3/4	347.66	3/4	27.99	3/4		3/4		3/4		3/4	
10	1,770.80	10	1,412.24	10	1,053.68	10	695.12	10	340.50	10	23.78	10		10		10		10	
1/4	1,763.33	1/4	1,404.77	1/4	1,046.21	1/4	687.65	1/4	333.35	1/4	19.57	1/4		1/4		1/4		1/4	
1/2	1,755.86	1/2	1,397.30	1/2	1,038.74	1/2	680.18	1/2	326.19	1/2	15.36	1/2		1/2		1/2		1/2	
3/4	1,748.39	3/4	1,389.83	3/4	1,031.27	3/4	672.71	3/4	319.16	3/4		3/4		3/4		3/4		3/4	
11	1,740.92	11	1,382.36	11	1,023.80	11	665.24	11	312.13	11		11		11		11		11	
1/4	1,733.45	1/4	1,374.89	1/4	1,016.33	1/4	657.77	1/4	305.10	1/4		1/4		1/4		1/4		1/4	
1/2	1,725.98	1/2	1,367.42	1/2	1,008.86	1/2	650.30	1/2	298.07	1/2		1/2		1/2		1/2		1/2	
3/4	1,718.51	3/4	1,359.95	3/4	1,001.39	3/4	642.83	3/4	291.04	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/14/2011 INSP
RECALCULATED: 04/28/2021 PMA
NAME CHANGE: 04/28/2021 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2021

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



BARGE "KIRBY 29144"

1 STBD ULLAGE TABLE

MMC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30020"

GAUGE HEIGHT 15'-10 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	4,945.55	0	4,586.99	0	4,228.43	0	3,869.87	0	3,511.31	0	3,152.75	0	2,794.19	0	2,435.63
1/4		1/4		1/4	4,938.08	1/4	4,579.52	1/4	4,220.96	1/4	3,862.40	1/4	3,503.84	1/4	3,145.28	1/4	2,786.72	1/4	2,428.16
1/2		1/2		1/2	4,930.61	1/2	4,572.05	1/2	4,213.49	1/2	3,854.93	1/2	3,496.37	1/2	3,137.81	1/2	2,779.25	1/2	2,420.69
3/4		3/4		3/4	4,923.14	3/4	4,564.58	3/4	4,206.02	3/4	3,847.46	3/4	3,488.90	3/4	3,130.34	3/4	2,771.78	3/4	2,413.22
1		1		1	4,915.67	1	4,557.11	1	4,198.55	1	3,839.99	1	3,481.43	1	3,122.87	1	2,764.31	1	2,405.75
1/4		1/4		1/4	4,908.20	1/4	4,549.64	1/4	4,191.08	1/4	3,832.52	1/4	3,473.96	1/4	3,115.40	1/4	2,756.84	1/4	2,398.28
1/2		1/2		1/2	4,900.73	1/2	4,542.17	1/2	4,183.61	1/2	3,825.05	1/2	3,466.49	1/2	3,107.93	1/2	2,749.37	1/2	2,390.81
3/4		3/4		3/4	4,893.26	3/4	4,534.70	3/4	4,176.14	3/4	3,817.58	3/4	3,459.02	3/4	3,100.46	3/4	2,741.90	3/4	2,383.34
2		2		2	4,885.79	2	4,527.23	2	4,168.67	2	3,810.11	2	3,451.55	2	3,092.99	2	2,734.43	2	2,375.87
1/4		1/4		1/4	4,878.32	1/4	4,519.76	1/4	4,161.20	1/4	3,802.64	1/4	3,444.08	1/4	3,085.52	1/4	2,726.96	1/4	2,368.40
1/2		1/2		1/2	4,870.85	1/2	4,512.29	1/2	4,153.73	1/2	3,795.17	1/2	3,436.61	1/2	3,078.05	1/2	2,719.49	1/2	2,360.93
3/4		3/4		3/4	4,863.38	3/4	4,504.82	3/4	4,146.26	3/4	3,787.70	3/4	3,429.14	3/4	3,070.58	3/4	2,712.02	3/4	2,353.46
3		3		3	4,855.91	3	4,497.35	3	4,138.79	3	3,780.23	3	3,421.67	3	3,063.11	3	2,704.55	3	2,345.99
1/4		1/4		1/4	4,848.44	1/4	4,489.88	1/4	4,131.32	1/4	3,772.76	1/4	3,414.20	1/4	3,055.64	1/4	2,697.08	1/4	2,338.52
1/2		1/2		1/2	4,840.97	1/2	4,482.41	1/2	4,123.85	1/2	3,765.29	1/2	3,406.73	1/2	3,048.17	1/2	2,689.61	1/2	2,331.05
3/4		3/4		3/4	5,102.38	3/4	4,833.50	3/4	4,474.94	3/4	4,116.38	3/4	3,757.82	3/4	3,399.26	3/4	3,040.70	3/4	2,682.14
4		4		4	5,101.76	4	4,826.03	4	4,467.47	4	4,108.91	4	3,750.35	4	3,391.79	4	3,033.23	4	2,674.67
1/4		1/4		1/4	5,101.14	1/4	4,818.56	1/4	4,460.00	1/4	4,101.44	1/4	3,742.88	1/4	3,384.32	1/4	3,025.76	1/4	2,667.20
1/2		1/2		1/2	5,100.52	1/2	4,811.09	1/2	4,452.53	1/2	4,093.97	1/2	3,735.41	1/2	3,376.85	1/2	3,018.29	1/2	2,659.73
3/4		3/4		3/4	5,099.90	3/4	4,803.62	3/4	4,445.06	3/4	4,086.50	3/4	3,727.94	3/4	3,369.38	3/4	3,010.82	3/4	2,652.26
5		5		5	5,098.03	5	4,796.15	5	4,437.59	5	4,079.03	5	3,720.47	5	3,361.91	5	3,003.35	5	2,644.79
1/4		1/4		1/4	5,096.17	1/4	4,788.68	1/4	4,430.12	1/4	4,071.56	1/4	3,713.00	1/4	3,354.44	1/4	2,995.88	1/4	2,637.32
1/2		1/2		1/2	5,094.30	1/2	4,781.21	1/2	4,422.65	1/2	4,064.09	1/2	3,705.53	1/2	3,346.97	1/2	2,988.41	1/2	2,629.85
3/4		3/4		3/4	5,092.43	3/4	4,773.74	3/4	4,415.18	3/4	4,056.62	3/4	3,698.06	3/4	3,339.50	3/4	2,980.94	3/4	2,622.38
6		6		6	5,089.32	6	4,766.27	6	4,407.71	6	4,049.15	6	3,690.59	6	3,332.03	6	2,973.47	6	2,614.91
1/4		1/4		1/4	5,086.21	1/4	4,758.80	1/4	4,400.24	1/4	4,041.68	1/4	3,683.12	1/4	3,324.56	1/4	2,966.00	1/4	2,607.44
1/2		1/2		1/2	5,083.09	1/2	4,751.33	1/2	4,392.77	1/2	4,034.21	1/2	3,675.65	1/2	3,317.09	1/2	2,958.53	1/2	2,599.97
3/4		3/4		3/4	5,079.98	3/4	4,743.86	3/4	4,385.30	3/4	4,026.74	3/4	3,668.18	3/4	3,309.62	3/4	2,951.06	3/4	2,592.50
7		7		7	5,075.63	7	4,736.39	7	4,377.83	7	4,019.27	7	3,660.71	7	3,302.15	7	2,943.59	7	2,585.03
1/4		1/4		1/4	5,071.27	1/4	4,728.92	1/4	4,370.36	1/4	4,011.80	1/4	3,653.24	1/4	3,294.68	1/4	2,936.12	1/4	2,577.56
1/2		1/2		1/2	5,066.92	1/2	4,721.45	1/2	4,362.89	1/2	4,004.33	1/2	3,645.77	1/2	3,287.21	1/2	2,928.65	1/2	2,570.09
3/4		3/4		3/4	5,062.56	3/4	4,713.98	3/4	4,355.42	3/4	3,996.86	3/4	3,638.30	3/4	3,279.74	3/4	2,921.18	3/4	2,562.62
8		8		8	5,056.96	8	4,706.51	8	4,347.95	8	3,989.39	8	3,630.83	8	3,272.27	8	2,913.71	8	2,555.15
1/4		1/4		1/4	5,051.36	1/4	4,699.04	1/4	4,340.48	1/4	3,981.92	1/4	3,623.36	1/4	3,264.80	1/4	2,906.24	1/4	2,547.68
1/2		1/2		1/2	5,045.76	1/2	4,691.57	1/2	4,333.01	1/2	3,974.45	1/2	3,615.89	1/2	3,257.33	1/2	2,898.77	1/2	2,540.21
3/4		3/4		3/4	5,040.16	3/4	4,684.10	3/4	4,325.54	3/4	3,966.98	3/4	3,608.42	3/4	3,249.86	3/4	2,891.30	3/4	2,532.74
9		9		9	5,033.32	9	4,676.63	9	4,318.07	9	3,959.51	9	3,600.95	9	3,242.39	9	2,883.83	9	2,525.27
1/4		1/4		1/4	5,026.47	1/4	4,669.16	1/4	4,310.60	1/4	3,952.04	1/4	3,593.48	1/4	3,234.92	1/4	2,876.36	1/4	2,517.80
1/2		1/2		1/2	5,019.63	1/2	4,661.69	1/2	4,303.13	1/2	3,944.57	1/2	3,586.01	1/2	3,227.45	1/2	2,868.89	1/2	2,510.33
3/4		3/4		3/4	5,012.78	3/4	4,654.22	3/4	4,295.66	3/4	3,937.10	3/4	3,578.54	3/4	3,219.98	3/4	2,861.42	3/4	2,502.86
10		10		10	5,005.31	10	4,646.75	10	4,288.19	10	3,929.63	10	3,571.07	10	3,212.51	10	2,853.95	10	2,495.39
1/4		1/4		1/4	4,997.84	1/4	4,639.28	1/4	4,280.72	1/4	3,922.16	1/4	3,563.60	1/4	3,205.04	1/4	2,846.48	1/4	2,487.92
1/2		1/2		1/2	4,990.37	1/2	4,631.81	1/2	4,273.25	1/2	3,914.69	1/2	3,556.13	1/2	3,197.57	1/2	2,839.01	1/2	2,480.45
3/4		3/4		3/4	4,982.90	3/4	4,624.34	3/4	4,265.78	3/4	3,907.22	3/4	3,548.66	3/4	3,190.10	3/4	2,831.54	3/4	2,472.98
11		11		11	4,975.43	11	4,616.87	11	4,258.31	11	3,899.75	11	3,541.19	11	3,182.63	11	2,824.07	11	2,465.51
1/4		1/4		1/4	4,967.96	1/4	4,609.40	1/4	4,250.84	1/4	3,892.28	1/4	3,533.72	1/4	3,175.16	1/4	2,816.60	1/4	2,458.04
1/2		1/2		1/2	4,960.49	1/2	4,601.93	1/2	4,243.37	1/2	3,884.81	1/2	3,526.25	1/2	3,167.69	1/2	2,809.13	1/2	2,450.57
3/4		3/4		3/4	4,953.02	3/4	4,594.46	3/4	4,235.90	3/4	3,877.34	3/4	3,518.78	3/4	3,160.22	3/4	2,801.66	3/4	2,443.10

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'-09" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 29144"

1 STBD ULLAGE TABLE MMC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30020"

GAUGE HEIGHT 15'-10 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	2,077.07	0	1,718.51	0	1,359.95	0	1,001.39	0	642.83	0	291.04	0		0		0		0	
1/4	2,069.60	1/4	1,711.04	1/4	1,352.48	1/4	993.92	1/4	635.36	1/4	284.01	1/4		1/4		1/4		1/4	
1/2	2,062.13	1/2	1,703.57	1/2	1,345.01	1/2	986.45	1/2	627.89	1/2	276.97	1/2		1/2		1/2		1/2	
3/4	2,054.66	3/4	1,696.10	3/4	1,337.54	3/4	978.98	3/4	620.42	3/4	269.94	3/4		3/4		3/4		3/4	
1	2,047.19	1	1,688.63	1	1,330.07	1	971.51	1	612.95	1	263.04	1		1		1		1	
1/4	2,039.72	1/4	1,681.16	1/4	1,322.60	1/4	964.04	1/4	605.48	1/4	256.13	1/4		1/4		1/4		1/4	
1/2	2,032.25	1/2	1,673.69	1/2	1,315.13	1/2	956.57	1/2	598.01	1/2	249.23	1/2		1/2		1/2		1/2	
3/4	2,024.78	3/4	1,666.22	3/4	1,307.66	3/4	949.10	3/4	590.54	3/4	242.32	3/4		3/4		3/4		3/4	
2	2,017.31	2	1,658.75	2	1,300.19	2	941.63	2	583.07	2	235.41	2		2		2		2	
1/4	2,009.84	1/4	1,651.28	1/4	1,292.72	1/4	934.16	1/4	575.60	1/4	228.51	1/4		1/4		1/4		1/4	
1/2	2,002.37	1/2	1,643.81	1/2	1,285.25	1/2	926.69	1/2	568.13	1/2	221.60	1/2		1/2		1/2		1/2	
3/4	1,994.90	3/4	1,636.34	3/4	1,277.78	3/4	919.22	3/4	560.66	3/4	214.69	3/4		3/4		3/4		3/4	
3	1,987.43	3	1,628.87	3	1,270.31	3	911.75	3	553.19	3	207.91	3		3		3		3	
1/4	1,979.96	1/4	1,621.40	1/4	1,262.84	1/4	904.28	1/4	545.72	1/4	201.13	1/4		1/4		1/4		1/4	
1/2	1,972.49	1/2	1,613.93	1/2	1,255.37	1/2	896.81	1/2	538.25	1/2	194.34	1/2		1/2		1/2		1/2	
3/4	1,965.02	3/4	1,606.46	3/4	1,247.90	3/4	889.34	3/4	530.78	3/4	187.56	3/4		3/4		3/4		3/4	
4	1,957.55	4	1,598.99	4	1,240.43	4	881.87	4	523.31	4	180.78	4		4		4		4	
1/4	1,950.08	1/4	1,591.52	1/4	1,232.96	1/4	874.40	1/4	515.84	1/4	174.00	1/4		1/4		1/4		1/4	
1/2	1,942.61	1/2	1,584.05	1/2	1,225.49	1/2	866.93	1/2	508.37	1/2	167.21	1/2		1/2		1/2		1/2	
3/4	1,935.14	3/4	1,576.58	3/4	1,218.02	3/4	859.46	3/4	500.90	3/4	160.43	3/4		3/4		3/4		3/4	
5	1,927.67	5	1,569.11	5	1,210.55	5	851.99	5	493.50	5	153.77	5		5		5		5	
1/4	1,920.20	1/4	1,561.64	1/4	1,203.08	1/4	844.52	1/4	486.10	1/4	147.12	1/4		1/4		1/4		1/4	
1/2	1,912.73	1/2	1,554.17	1/2	1,195.61	1/2	837.05	1/2	478.69	1/2	140.46	1/2		1/2		1/2		1/2	
3/4	1,905.26	3/4	1,546.70	3/4	1,188.14	3/4	829.58	3/4	471.29	3/4	133.80	3/4		3/4		3/4		3/4	
6	1,897.79	6	1,539.23	6	1,180.67	6	822.11	6	463.89	6	127.14	6		6		6		6	
1/4	1,890.32	1/4	1,531.76	1/4	1,173.20	1/4	814.64	1/4	456.48	1/4	120.49	1/4		1/4		1/4		1/4	
1/2	1,882.85	1/2	1,524.29	1/2	1,165.73	1/2	807.17	1/2	449.08	1/2	113.83	1/2		1/2		1/2		1/2	
3/4	1,875.38	3/4	1,516.82	3/4	1,158.26	3/4	799.70	3/4	441.67	3/4	107.17	3/4		3/4		3/4		3/4	
7	1,867.91	7	1,509.35	7	1,150.79	7	792.23	7	434.39	7	100.64	7		7		7		7	
1/4	1,860.44	1/4	1,501.88	1/4	1,143.32	1/4	784.76	1/4	427.11	1/4	94.11	1/4		1/4		1/4		1/4	
1/2	1,852.97	1/2	1,494.41	1/2	1,135.85	1/2	777.29	1/2	419.83	1/2	87.57	1/2		1/2		1/2		1/2	
3/4	1,845.50	3/4	1,486.94	3/4	1,128.38	3/4	769.82	3/4	412.55	3/4	81.04	3/4		3/4		3/4		3/4	
8	1,838.03	8	1,479.47	8	1,120.91	8	762.35	8	405.27	8	74.51	8		8		8		8	
1/4	1,830.56	1/4	1,472.00	1/4	1,113.44	1/4	754.88	1/4	397.99	1/4	67.97	1/4		1/4		1/4		1/4	
1/2	1,823.09	1/2	1,464.53	1/2	1,105.97	1/2	747.41	1/2	390.71	1/2	61.44	1/2		1/2		1/2		1/2	
3/4	1,815.62	3/4	1,457.06	3/4	1,098.50	3/4	739.94	3/4	383.43	3/4	54.90	3/4		3/4		3/4		3/4	
9	1,808.15	9	1,449.59	9	1,091.03	9	732.47	9	376.28	9	49.23	9		9		9		9	
1/4	1,800.68	1/4	1,442.12	1/4	1,083.56	1/4	725.00	1/4	369.12	1/4	43.55	1/4		1/4		1/4		1/4	
1/2	1,793.21	1/2	1,434.65	1/2	1,076.09	1/2	717.53	1/2	361.97	1/2	37.88	1/2		1/2		1/2		1/2	
3/4	1,785.74	3/4	1,427.18	3/4	1,068.62	3/4	710.06	3/4	354.81	3/4	32.20	3/4		3/4		3/4		3/4	
10	1,778.27	10	1,419.71	10	1,061.15	10	702.59	10	347.66	10	27.99	10		10		10		10	
1/4	1,770.80	1/4	1,412.24	1/4	1,053.68	1/4	695.12	1/4	340.50	1/4	23.78	1/4		1/4		1/4		1/4	
1/2	1,763.33	1/2	1,404.77	1/2	1,046.21	1/2	687.65	1/2	333.35	1/2	19.57	1/2		1/2		1/2		1/2	
3/4	1,755.86	3/4	1,397.30	3/4	1,038.74	3/4	680.18	3/4	326.19	3/4	15.36	3/4		3/4		3/4		3/4	
11	1,748.39	11	1,389.83	11	1,031.27	11	672.71	11	319.16	11		11		11		11		11	
1/4	1,740.92	1/4	1,382.36	1/4	1,023.80	1/4	665.24	1/4	312.13	1/4		1/4		1/4		1/4		1/4	
1/2	1,733.45	1/2	1,374.89	1/2	1,016.33	1/2	657.77	1/2	305.10	1/2		1/2		1/2		1/2		1/2	
3/4	1,725.98	3/4	1,367.42	3/4	1,008.86	3/4	650.30	3/4	298.07	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/14/2011 INSP
RECALCULATED: 04/28/2021 PMA
NAME CHANGE: 04/28/2021 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2021

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



BARGE "KIRBY 29144"

2 PORT ULLAGE TABLE

MMC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30020"

GAUGE HEIGHT 15'-10 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	4,988.66	0	4,629.14	0	4,269.62	0	3,910.10	0	3,550.58	0	3,191.06	0	2,831.54	0	2,472.02
1/4		1/4		1/4	4,981.17	1/4	4,621.65	1/4	4,262.13	1/4	3,902.61	1/4	3,543.09	1/4	3,183.57	1/4	2,824.05	1/4	2,464.53
1/2		1/2		1/2	4,973.68	1/2	4,614.16	1/2	4,254.64	1/2	3,895.12	1/2	3,535.60	1/2	3,176.08	1/2	2,816.56	1/2	2,457.04
3/4		3/4		3/4	4,966.19	3/4	4,606.67	3/4	4,247.15	3/4	3,887.63	3/4	3,528.11	3/4	3,168.59	3/4	2,809.07	3/4	2,449.55
1		1		1	4,958.70	1	4,599.18	1	4,239.66	1	3,880.14	1	3,520.62	1	3,161.10	1	2,801.58	1	2,442.06
1/4		1/4		1/4	4,951.21	1/4	4,591.69	1/4	4,232.17	1/4	3,872.65	1/4	3,513.13	1/4	3,153.61	1/4	2,794.09	1/4	2,434.57
1/2		1/2		1/2	4,943.72	1/2	4,584.20	1/2	4,224.68	1/2	3,865.16	1/2	3,505.64	1/2	3,146.12	1/2	2,786.60	1/2	2,427.08
3/4		3/4		3/4	4,936.23	3/4	4,576.71	3/4	4,217.19	3/4	3,857.67	3/4	3,498.15	3/4	3,138.63	3/4	2,779.11	3/4	2,419.59
2		2		2	4,928.74	2	4,569.22	2	4,209.70	2	3,850.18	2	3,490.66	2	3,131.14	2	2,771.62	2	2,412.10
1/4		1/4		1/4	4,921.25	1/4	4,561.73	1/4	4,202.21	1/4	3,842.69	1/4	3,483.17	1/4	3,123.65	1/4	2,764.13	1/4	2,404.61
1/2		1/2		1/2	4,913.76	1/2	4,554.24	1/2	4,194.72	1/2	3,835.20	1/2	3,475.68	1/2	3,116.16	1/2	2,756.64	1/2	2,397.12
3/4		3/4		3/4	4,906.27	3/4	4,546.75	3/4	4,187.23	3/4	3,827.71	3/4	3,468.19	3/4	3,108.67	3/4	2,749.15	3/4	2,389.63
3		3		3	4,898.78	3	4,539.26	3	4,179.74	3	3,820.22	3	3,460.70	3	3,101.18	3	2,741.66	3	2,382.14
1/4		1/4		1/4	4,891.29	1/4	4,531.77	1/4	4,172.25	1/4	3,812.73	1/4	3,453.21	1/4	3,093.69	1/4	2,734.17	1/4	2,374.65
1/2		1/2		1/2	5,153.50	1/2	4,883.80	1/2	4,524.28	1/2	4,164.76	1/2	3,805.24	1/2	3,445.72	1/2	3,086.20	1/2	2,726.68
3/4		3/4		3/4	5,152.88	3/4	4,876.31	3/4	4,516.79	3/4	4,157.27	3/4	3,797.75	3/4	3,438.23	3/4	3,078.71	3/4	2,719.19
4		4		4	5,152.25	4	4,868.82	4	4,509.30	4	4,149.78	4	3,790.26	4	3,430.74	4	3,071.22	4	2,711.70
1/4		1/4		1/4	5,151.63	1/4	4,861.33	1/4	4,501.81	1/4	4,142.29	1/4	3,782.77	1/4	3,423.25	1/4	3,063.73	1/4	2,704.21
1/2		1/2		1/2	5,151.00	1/2	4,853.84	1/2	4,494.32	1/2	4,134.80	1/2	3,775.28	1/2	3,415.76	1/2	3,056.24	1/2	2,696.72
3/4		3/4		3/4	5,149.13	3/4	4,846.35	3/4	4,486.83	3/4	4,127.31	3/4	3,767.79	3/4	3,408.27	3/4	3,048.75	3/4	2,689.23
5		5		5	5,147.25	5	4,838.86	5	4,479.34	5	4,119.82	5	3,760.30	5	3,400.78	5	3,041.26	5	2,681.74
1/4		1/4		1/4	5,145.38	1/4	4,831.37	1/4	4,471.85	1/4	4,112.33	1/4	3,752.81	1/4	3,393.29	1/4	3,033.77	1/4	2,674.25
1/2		1/2		1/2	5,143.50	1/2	4,823.88	1/2	4,464.36	1/2	4,104.84	1/2	3,745.32	1/2	3,385.80	1/2	3,026.28	1/2	2,666.76
3/4		3/4		3/4	5,140.38	3/4	4,816.39	3/4	4,456.87	3/4	4,097.35	3/4	3,737.83	3/4	3,378.31	3/4	3,018.79	3/4	2,659.27
6		6		6	5,137.26	6	4,808.90	6	4,449.38	6	4,089.86	6	3,730.34	6	3,370.82	6	3,011.30	6	2,651.78
1/4		1/4		1/4	5,134.13	1/4	4,801.41	1/4	4,441.89	1/4	4,082.37	1/4	3,722.85	1/4	3,363.33	1/4	3,003.81	1/4	2,644.29
1/2		1/2		1/2	5,131.01	1/2	4,793.92	1/2	4,434.40	1/2	4,074.88	1/2	3,715.36	1/2	3,355.84	1/2	2,996.32	1/2	2,636.80
3/4		3/4		3/4	5,126.64	3/4	4,786.43	3/4	4,426.91	3/4	4,067.39	3/4	3,707.87	3/4	3,348.35	3/4	2,988.83	3/4	2,629.31
7		7		7	5,122.27	7	4,778.94	7	4,419.42	7	4,059.90	7	3,700.38	7	3,340.86	7	2,981.34	7	2,621.82
1/4		1/4		1/4	5,117.89	1/4	4,771.45	1/4	4,411.93	1/4	4,052.41	1/4	3,692.89	1/4	3,333.37	1/4	2,973.85	1/4	2,614.33
1/2		1/2		1/2	5,113.52	1/2	4,763.96	1/2	4,404.44	1/2	4,044.92	1/2	3,685.40	1/2	3,325.88	1/2	2,966.36	1/2	2,606.84
3/4		3/4		3/4	5,107.90	3/4	4,756.47	3/4	4,396.95	3/4	4,037.43	3/4	3,677.91	3/4	3,318.39	3/4	2,958.87	3/4	2,599.35
8		8		8	5,102.28	8	4,748.98	8	4,389.46	8	4,029.94	8	3,670.42	8	3,310.90	8	2,951.38	8	2,591.86
1/4		1/4		1/4	5,096.66	1/4	4,741.49	1/4	4,381.97	1/4	4,022.45	1/4	3,662.93	1/4	3,303.41	1/4	2,943.89	1/4	2,584.37
1/2		1/2		1/2	5,091.04	1/2	4,734.00	1/2	4,374.48	1/2	4,014.96	1/2	3,655.44	1/2	3,295.92	1/2	2,936.40	1/2	2,576.88
3/4		3/4		3/4	5,084.17	3/4	4,726.51	3/4	4,366.99	3/4	4,007.47	3/4	3,647.95	3/4	3,288.43	3/4	2,928.91	3/4	2,569.39
9		9		9	5,077.30	9	4,719.02	9	4,359.50	9	3,999.98	9	3,640.46	9	3,280.94	9	2,921.42	9	2,561.90
1/4		1/4		1/4	5,070.43	1/4	4,711.53	1/4	4,352.01	1/4	3,992.49	1/4	3,632.97	1/4	3,273.45	1/4	2,913.93	1/4	2,554.41
1/2		1/2		1/2	5,063.56	1/2	4,704.04	1/2	4,344.52	1/2	3,985.00	1/2	3,625.48	1/2	3,265.96	1/2	2,906.44	1/2	2,546.92
3/4		3/4		3/4	5,056.07	3/4	4,696.55	3/4	4,337.03	3/4	3,977.51	3/4	3,617.99	3/4	3,258.47	3/4	2,898.95	3/4	2,539.43
10		10		10	5,048.58	10	4,689.06	10	4,329.54	10	3,970.02	10	3,610.50	10	3,250.98	10	2,891.46	10	2,531.94
1/4		1/4		1/4	5,041.09	1/4	4,681.57	1/4	4,322.05	1/4	3,962.53	1/4	3,603.01	1/4	3,243.49	1/4	2,883.97	1/4	2,524.45
1/2		1/2		1/2	5,033.60	1/2	4,674.08	1/2	4,314.56	1/2	3,955.04	1/2	3,595.52	1/2	3,236.00	1/2	2,876.48	1/2	2,516.96
3/4		3/4		3/4	5,026.11	3/4	4,666.59	3/4	4,307.07	3/4	3,947.55	3/4	3,588.03	3/4	3,228.51	3/4	2,868.99	3/4	2,509.47
11		11		11	5,018.62	11	4,659.10	11	4,299.58	11	3,940.06	11	3,580.54	11	3,221.02	11	2,861.50	11	2,501.98
1/4		1/4		1/4	5,011.13	1/4	4,651.61	1/4	4,292.09	1/4	3,932.57	1/4	3,573.05	1/4	3,213.53	1/4	2,854.01	1/4	2,494.49
1/2		1/2		1/2	5,003.64	1/2	4,644.12	1/2	4,284.60	1/2	3,925.08	1/2	3,565.56	1/2	3,206.04	1/2	2,846.52	1/2	2,487.00
3/4		3/4		3/4	4,996.15	3/4	4,636.63	3/4	4,277.11	3/4	3,917.59	3/4	3,558.07	3/4	3,198.55	3/4	2,839.03	3/4	2,479.51

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'-09" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 29144"

2 PORT ULLAGE TABLE MMC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30020"

GAUGE HEIGHT 15'-10 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	2,112.50	0	1,752.98	0	1,393.46	0	1,033.94	0	674.42	0	314.90	0		0		0		0	
1/4	2,105.01	1/4	1,745.49	1/4	1,385.97	1/4	1,026.45	1/4	666.93	1/4	307.41	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,097.52	1/2	1,738.00	1/2	1,378.48	1/2	1,018.96	1/2	659.44	1/2	299.92	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,090.03	3/4	1,730.51	3/4	1,370.99	3/4	1,011.47	3/4	651.95	3/4	292.43	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,082.54	1	1,723.02	1	1,363.50	1	1,003.98	1	644.46	1	284.94	1	1	1	1	1	1	1	1
1/4	2,075.05	1/4	1,715.53	1/4	1,356.01	1/4	996.49	1/4	636.97	1/4	277.45	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,067.56	1/2	1,708.04	1/2	1,348.52	1/2	989.00	1/2	629.48	1/2	269.96	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,060.07	3/4	1,700.55	3/4	1,341.03	3/4	981.51	3/4	621.99	3/4	262.47	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2,052.58	2	1,693.06	2	1,333.54	2	974.02	2	614.50	2	254.98	2	2	2	2	2	2	2	2
1/4	2,045.09	1/4	1,685.57	1/4	1,326.05	1/4	966.53	1/4	607.01	1/4	247.49	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,037.60	1/2	1,678.08	1/2	1,318.56	1/2	959.04	1/2	599.52	1/2	240.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,030.11	3/4	1,670.59	3/4	1,311.07	3/4	951.55	3/4	592.03	3/4	232.51	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	2,022.62	3	1,663.10	3	1,303.58	3	944.06	3	584.54	3	225.02	3	3	3	3	3	3	3	3
1/4	2,015.13	1/4	1,655.61	1/4	1,296.09	1/4	936.57	1/4	577.05	1/4	217.53	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,007.64	1/2	1,648.12	1/2	1,288.60	1/2	929.08	1/2	569.56	1/2	210.04	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,000.15	3/4	1,640.63	3/4	1,281.11	3/4	921.59	3/4	562.07	3/4	202.55	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,992.66	4	1,633.14	4	1,273.62	4	914.10	4	554.58	4	195.06	4	4	4	4	4	4	4	4
1/4	1,985.17	1/4	1,625.65	1/4	1,266.13	1/4	906.61	1/4	547.09	1/4	187.57	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,977.68	1/2	1,618.16	1/2	1,258.64	1/2	899.12	1/2	539.60	1/2	180.08	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,970.19	3/4	1,610.67	3/4	1,251.15	3/4	891.63	3/4	532.11	3/4	172.59	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,962.70	5	1,603.18	5	1,243.66	5	884.14	5	524.62	5	165.10	5	5	5	5	5	5	5	5
1/4	1,955.21	1/4	1,595.69	1/4	1,236.17	1/4	876.65	1/4	517.13	1/4	157.61	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,947.72	1/2	1,588.20	1/2	1,228.68	1/2	869.16	1/2	509.64	1/2	150.12	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,940.23	3/4	1,580.71	3/4	1,221.19	3/4	861.67	3/4	502.15	3/4	142.63	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,932.74	6	1,573.22	6	1,213.70	6	854.18	6	494.66	6	135.14	6	6	6	6	6	6	6	6
1/4	1,925.25	1/4	1,565.73	1/4	1,206.21	1/4	846.69	1/4	487.17	1/4	127.65	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,917.76	1/2	1,558.24	1/2	1,198.72	1/2	839.20	1/2	479.68	1/2	120.16	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,910.27	3/4	1,550.75	3/4	1,191.23	3/4	831.71	3/4	472.19	3/4	112.67	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,902.78	7	1,543.26	7	1,183.74	7	824.22	7	464.70	7	105.18	7	7	7	7	7	7	7	7
1/4	1,895.29	1/4	1,535.77	1/4	1,176.25	1/4	816.73	1/4	457.21	1/4	97.69	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,887.80	1/2	1,528.28	1/2	1,168.76	1/2	809.24	1/2	449.72	1/2	90.20	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,880.31	3/4	1,520.79	3/4	1,161.27	3/4	801.75	3/4	442.23	3/4	82.71	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,872.82	8	1,513.30	8	1,153.78	8	794.26	8	434.74	8	75.22	8	8	8	8	8	8	8	8
1/4	1,865.33	1/4	1,505.81	1/4	1,146.29	1/4	786.77	1/4	427.25	1/4	67.73	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,857.84	1/2	1,498.32	1/2	1,138.80	1/2	779.28	1/2	419.76	1/2	60.24	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,850.35	3/4	1,490.83	3/4	1,131.31	3/4	771.79	3/4	412.27	3/4	53.68	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,842.86	9	1,483.34	9	1,123.82	9	764.30	9	404.78	9	47.13	9	9	9	9	9	9	9	9
1/4	1,835.37	1/4	1,475.85	1/4	1,116.33	1/4	756.81	1/4	397.29	1/4	40.57	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,827.88	1/2	1,468.36	1/2	1,108.84	1/2	749.32	1/2	389.80	1/2	34.01	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,820.39	3/4	1,460.87	3/4	1,101.35	3/4	741.83	3/4	382.31	3/4	29.33	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,812.90	10	1,453.38	10	1,093.86	10	734.34	10	374.82	10	24.64	10	10	10	10	10	10	10	10
1/4	1,805.41	1/4	1,445.89	1/4	1,086.37	1/4	726.85	1/4	367.33	1/4	19.96	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,797.92	1/2	1,438.40	1/2	1,078.88	1/2	719.36	1/2	359.84	1/2	15.27	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,790.43	3/4	1,430.91	3/4	1,071.39	3/4	711.87	3/4	352.35	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,782.94	11	1,423.42	11	1,063.90	11	704.38	11	344.86	11		11	11	11	11	11	11	11	11
1/4	1,775.45	1/4	1,415.93	1/4	1,056.41	1/4	696.89	1/4	337.37	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,767.96	1/2	1,408.44	1/2	1,048.92	1/2	689.40	1/2	329.88	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,760.47	3/4	1,400.95	3/4	1,041.43	3/4	681.91	3/4	322.39	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/14/2011 INSP
RECALCULATED: 04/28/2021 PMA
NAME CHANGE: 04/28/2021 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2021

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



BARGE "KIRBY 29144"

2 STBD ULLAGE TABLE

MMC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30020"

GAUGE HEIGHT 15'-10"

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	4,973.68	0	4,614.16	0	4,254.64	0	3,895.12	0	3,535.60	0	3,176.08	0	2,816.56	0	2,457.04
1/4		1/4		1/4	4,966.19	1/4	4,606.67	1/4	4,247.15	1/4	3,887.63	1/4	3,528.11	1/4	3,168.59	1/4	2,809.07	1/4	2,449.55
1/2		1/2		1/2	4,958.70	1/2	4,599.18	1/2	4,239.66	1/2	3,880.14	1/2	3,520.62	1/2	3,161.10	1/2	2,801.58	1/2	2,442.06
3/4		3/4		3/4	4,951.21	3/4	4,591.69	3/4	4,232.17	3/4	3,872.65	3/4	3,513.13	3/4	3,153.61	3/4	2,794.09	3/4	2,434.57
1		1		1	4,943.72	1	4,584.20	1	4,224.68	1	3,865.16	1	3,505.64	1	3,146.12	1	2,786.60	1	2,427.08
1/4		1/4		1/4	4,936.23	1/4	4,576.71	1/4	4,217.19	1/4	3,857.67	1/4	3,498.15	1/4	3,138.63	1/4	2,779.11	1/4	2,419.59
1/2		1/2		1/2	4,928.74	1/2	4,569.22	1/2	4,209.70	1/2	3,850.18	1/2	3,490.66	1/2	3,131.14	1/2	2,771.62	1/2	2,412.10
3/4		3/4		3/4	4,921.25	3/4	4,561.73	3/4	4,202.21	3/4	3,842.69	3/4	3,483.17	3/4	3,123.65	3/4	2,764.13	3/4	2,404.61
2		2		2	4,913.76	2	4,554.24	2	4,194.72	2	3,835.20	2	3,475.68	2	3,116.16	2	2,756.64	2	2,397.12
1/4		1/4		1/4	4,906.27	1/4	4,546.75	1/4	4,187.23	1/4	3,827.71	1/4	3,468.19	1/4	3,108.67	1/4	2,749.15	1/4	2,389.63
1/2		1/2		1/2	4,898.78	1/2	4,539.26	1/2	4,179.74	1/2	3,820.22	1/2	3,460.70	1/2	3,101.18	1/2	2,741.66	1/2	2,382.14
3/4		3/4		3/4	4,891.29	3/4	4,531.77	3/4	4,172.25	3/4	3,812.73	3/4	3,453.21	3/4	3,093.69	3/4	2,734.17	3/4	2,374.65
3		3	5,153.50	3	4,883.80	3	4,524.28	3	4,164.76	3	3,805.24	3	3,445.72	3	3,086.20	3	2,726.68	3	2,367.16
1/4		1/4	5,152.88	1/4	4,876.31	1/4	4,516.79	1/4	4,157.27	1/4	3,797.75	1/4	3,438.23	1/4	3,078.71	1/4	2,719.19	1/4	2,359.67
1/2		1/2	5,152.25	1/2	4,868.82	1/2	4,509.30	1/2	4,149.78	1/2	3,790.26	1/2	3,430.74	1/2	3,071.22	1/2	2,711.70	1/2	2,352.18
3/4		3/4	5,151.63	3/4	4,861.33	3/4	4,501.81	3/4	4,142.29	3/4	3,782.77	3/4	3,423.25	3/4	3,063.73	3/4	2,704.21	3/4	2,344.69
4		4	5,151.00	4	4,853.84	4	4,494.32	4	4,134.80	4	3,775.28	4	3,415.76	4	3,056.24	4	2,696.72	4	2,337.20
1/4		1/4	5,149.13	1/4	4,846.35	1/4	4,486.83	1/4	4,127.31	1/4	3,767.79	1/4	3,408.27	1/4	3,048.75	1/4	2,689.23	1/4	2,329.71
1/2		1/2	5,147.25	1/2	4,838.86	1/2	4,479.34	1/2	4,119.82	1/2	3,760.30	1/2	3,400.78	1/2	3,041.26	1/2	2,681.74	1/2	2,322.22
3/4		3/4	5,145.38	3/4	4,831.37	3/4	4,471.85	3/4	4,112.33	3/4	3,752.81	3/4	3,393.29	3/4	3,033.77	3/4	2,674.25	3/4	2,314.73
5		5	5,143.50	5	4,823.88	5	4,464.36	5	4,104.84	5	3,745.32	5	3,385.80	5	3,026.28	5	2,666.76	5	2,307.24
1/4		1/4	5,140.38	1/4	4,816.39	1/4	4,456.87	1/4	4,097.35	1/4	3,737.83	1/4	3,378.31	1/4	3,018.79	1/4	2,659.27	1/4	2,299.75
1/2		1/2	5,137.26	1/2	4,808.90	1/2	4,449.38	1/2	4,089.86	1/2	3,730.34	1/2	3,370.82	1/2	3,011.30	1/2	2,651.78	1/2	2,292.26
3/4		3/4	5,134.13	3/4	4,801.41	3/4	4,441.89	3/4	4,082.37	3/4	3,722.85	3/4	3,363.33	3/4	3,003.81	3/4	2,644.29	3/4	2,284.77
6		6	5,131.01	6	4,793.92	6	4,434.40	6	4,074.88	6	3,715.36	6	3,355.84	6	2,996.32	6	2,636.80	6	2,277.28
1/4		1/4	5,126.64	1/4	4,786.43	1/4	4,426.91	1/4	4,067.39	1/4	3,707.87	1/4	3,348.35	1/4	2,988.83	1/4	2,629.31	1/4	2,269.79
1/2		1/2	5,122.27	1/2	4,778.94	1/2	4,419.42	1/2	4,059.90	1/2	3,700.38	1/2	3,340.86	1/2	2,981.34	1/2	2,621.82	1/2	2,262.30
3/4		3/4	5,117.89	3/4	4,771.45	3/4	4,411.93	3/4	4,052.41	3/4	3,692.89	3/4	3,333.37	3/4	2,973.85	3/4	2,614.33	3/4	2,254.81
7		7	5,113.52	7	4,763.96	7	4,404.44	7	4,044.92	7	3,685.40	7	3,325.88	7	2,966.36	7	2,606.84	7	2,247.32
1/4		1/4	5,107.90	1/4	4,756.47	1/4	4,396.95	1/4	4,037.43	1/4	3,677.91	1/4	3,318.39	1/4	2,958.87	1/4	2,599.35	1/4	2,239.83
1/2		1/2	5,102.28	1/2	4,748.98	1/2	4,389.46	1/2	4,029.94	1/2	3,670.42	1/2	3,310.90	1/2	2,951.38	1/2	2,591.86	1/2	2,232.34
3/4		3/4	5,096.66	3/4	4,741.49	3/4	4,381.97	3/4	4,022.45	3/4	3,662.93	3/4	3,303.41	3/4	2,943.89	3/4	2,584.37	3/4	2,224.85
8		8	5,091.04	8	4,734.00	8	4,374.48	8	4,014.96	8	3,655.44	8	3,295.92	8	2,936.40	8	2,576.88	8	2,217.36
1/4		1/4	5,084.17	1/4	4,726.51	1/4	4,366.99	1/4	4,007.47	1/4	3,647.95	1/4	3,288.43	1/4	2,928.91	1/4	2,569.39	1/4	2,209.87
1/2		1/2	5,077.30	1/2	4,719.02	1/2	4,359.50	1/2	3,999.98	1/2	3,640.46	1/2	3,280.94	1/2	2,921.42	1/2	2,561.90	1/2	2,202.38
3/4		3/4	5,070.43	3/4	4,711.53	3/4	4,352.01	3/4	3,992.49	3/4	3,632.97	3/4	3,273.45	3/4	2,913.93	3/4	2,554.41	3/4	2,194.89
9		9	5,063.56	9	4,704.04	9	4,344.52	9	3,985.00	9	3,625.48	9	3,265.96	9	2,906.44	9	2,546.92	9	2,187.40
1/4		1/4	5,056.07	1/4	4,696.55	1/4	4,337.03	1/4	3,977.51	1/4	3,617.99	1/4	3,258.47	1/4	2,898.95	1/4	2,539.43	1/4	2,179.91
1/2		1/2	5,048.58	1/2	4,689.06	1/2	4,329.54	1/2	3,970.02	1/2	3,610.50	1/2	3,250.98	1/2	2,891.46	1/2	2,531.94	1/2	2,172.42
3/4		3/4	5,041.09	3/4	4,681.57	3/4	4,322.05	3/4	3,962.53	3/4	3,603.01	3/4	3,243.49	3/4	2,883.97	3/4	2,524.45	3/4	2,164.93
10		10	5,033.60	10	4,674.08	10	4,314.56	10	3,955.04	10	3,595.52	10	3,236.00	10	2,876.48	10	2,516.96	10	2,157.44
1/4		1/4	5,026.11	1/4	4,666.59	1/4	4,307.07	1/4	3,947.55	1/4	3,588.03	1/4	3,228.51	1/4	2,868.99	1/4	2,509.47	1/4	2,149.95
1/2		1/2	5,018.62	1/2	4,659.10	1/2	4,299.58	1/2	3,940.06	1/2	3,580.54	1/2	3,221.02	1/2	2,861.50	1/2	2,501.98	1/2	2,142.46
3/4		3/4	5,011.13	3/4	4,651.61	3/4	4,292.09	3/4	3,932.57	3/4	3,573.05	3/4	3,213.53	3/4	2,854.01	3/4	2,494.49	3/4	2,134.97
11		11	5,003.64	11	4,644.12	11	4,284.60	11	3,925.08	11	3,565.56	11	3,206.04	11	2,846.52	11	2,487.00	11	2,127.48
1/4		1/4	4,996.15	1/4	4,636.63	1/4	4,277.11	1/4	3,917.59	1/4	3,558.07	1/4	3,198.55	1/4	2,839.03	1/4	2,479.51	1/4	2,119.99
1/2		1/2	4,988.66	1/2	4,629.14	1/2	4,269.62	1/2	3,910.10	1/2	3,550.58	1/2	3,191.06	1/2	2,831.54	1/2	2,472.02	1/2	2,112.50
3/4		3/4	4,981.17	3/4	4,621.65	3/4	4,262.13	3/4	3,902.61	3/4	3,543.09	3/4	3,183.57	3/4	2,824.05	3/4	2,464.53	3/4	2,105.01

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'-09" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 29144"

2 STBD

ULLAGE TABLE

MMC

GAUGE HEIGHT 15'-10"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30020"

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	2,097.52	0	1,738.00	0	1,378.48	0	1,018.96	0	659.44	0	299.92	0		0		0		0	
1/4	2,090.03	1/4	1,730.51	1/4	1,370.99	1/4	1,011.47	1/4	651.95	1/4	292.43	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,082.54	1/2	1,723.02	1/2	1,363.50	1/2	1,003.98	1/2	644.46	1/2	284.94	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,075.05	3/4	1,715.53	3/4	1,356.01	3/4	996.49	3/4	636.97	3/4	277.45	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,067.56	1	1,708.04	1	1,348.52	1	989.00	1	629.48	1	269.96	1	1	1	1	1	1	1	1
1/4	2,060.07	1/4	1,700.55	1/4	1,341.03	1/4	981.51	1/4	621.99	1/4	262.47	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,052.58	1/2	1,693.06	1/2	1,333.54	1/2	974.02	1/2	614.50	1/2	254.98	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,045.09	3/4	1,685.57	3/4	1,326.05	3/4	966.53	3/4	607.01	3/4	247.49	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2,037.60	2	1,678.08	2	1,318.56	2	959.04	2	599.52	2	240.00	2	2	2	2	2	2	2	2
1/4	2,030.11	1/4	1,670.59	1/4	1,311.07	1/4	951.55	1/4	592.03	1/4	232.51	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,022.62	1/2	1,663.10	1/2	1,303.58	1/2	944.06	1/2	584.54	1/2	225.02	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,015.13	3/4	1,655.61	3/4	1,296.09	3/4	936.57	3/4	577.05	3/4	217.53	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	2,007.64	3	1,648.12	3	1,288.60	3	929.08	3	569.56	3	210.04	3	3	3	3	3	3	3	3
1/4	2,000.15	1/4	1,640.63	1/4	1,281.11	1/4	921.59	1/4	562.07	1/4	202.55	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,992.66	1/2	1,633.14	1/2	1,273.62	1/2	914.10	1/2	554.58	1/2	195.06	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,985.17	3/4	1,625.65	3/4	1,266.13	3/4	906.61	3/4	547.09	3/4	187.57	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,977.68	4	1,618.16	4	1,258.64	4	899.12	4	539.60	4	180.08	4	4	4	4	4	4	4	4
1/4	1,970.19	1/4	1,610.67	1/4	1,251.15	1/4	891.63	1/4	532.11	1/4	172.59	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,962.70	1/2	1,603.18	1/2	1,243.66	1/2	884.14	1/2	524.62	1/2	165.10	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,955.21	3/4	1,595.69	3/4	1,236.17	3/4	876.65	3/4	517.13	3/4	157.61	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,947.72	5	1,588.20	5	1,228.68	5	869.16	5	509.64	5	150.12	5	5	5	5	5	5	5	5
1/4	1,940.23	1/4	1,580.71	1/4	1,221.19	1/4	861.67	1/4	502.15	1/4	142.63	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,932.74	1/2	1,573.22	1/2	1,213.70	1/2	854.18	1/2	494.66	1/2	135.14	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,925.25	3/4	1,565.73	3/4	1,206.21	3/4	846.69	3/4	487.17	3/4	127.65	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,917.76	6	1,558.24	6	1,198.72	6	839.20	6	479.68	6	120.16	6	6	6	6	6	6	6	6
1/4	1,910.27	1/4	1,550.75	1/4	1,191.23	1/4	831.71	1/4	472.19	1/4	112.67	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,902.78	1/2	1,543.26	1/2	1,183.74	1/2	824.22	1/2	464.70	1/2	105.18	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,895.29	3/4	1,535.77	3/4	1,176.25	3/4	816.73	3/4	457.21	3/4	97.69	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,887.80	7	1,528.28	7	1,168.76	7	809.24	7	449.72	7	90.20	7	7	7	7	7	7	7	7
1/4	1,880.31	1/4	1,520.79	1/4	1,161.27	1/4	801.75	1/4	442.23	1/4	82.71	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,872.82	1/2	1,513.30	1/2	1,153.78	1/2	794.26	1/2	434.74	1/2	75.22	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,865.33	3/4	1,505.81	3/4	1,146.29	3/4	786.77	3/4	427.25	3/4	67.73	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,857.84	8	1,498.32	8	1,138.80	8	779.28	8	419.76	8	60.24	8	8	8	8	8	8	8	8
1/4	1,850.35	1/4	1,490.83	1/4	1,131.31	1/4	771.79	1/4	412.27	1/4	53.68	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,842.86	1/2	1,483.34	1/2	1,123.82	1/2	764.30	1/2	404.78	1/2	47.13	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,835.37	3/4	1,475.85	3/4	1,116.33	3/4	756.81	3/4	397.29	3/4	40.57	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,827.88	9	1,468.36	9	1,108.84	9	749.32	9	389.80	9	34.01	9	9	9	9	9	9	9	9
1/4	1,820.39	1/4	1,460.87	1/4	1,101.35	1/4	741.83	1/4	382.31	1/4	29.33	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,812.90	1/2	1,453.38	1/2	1,093.86	1/2	734.34	1/2	374.82	1/2	24.64	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,805.41	3/4	1,445.89	3/4	1,086.37	3/4	726.85	3/4	367.33	3/4	19.96	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,797.92	10	1,438.40	10	1,078.88	10	719.36	10	359.84	10	15.27	10	10	10	10	10	10	10	10
1/4	1,790.43	1/4	1,430.91	1/4	1,071.39	1/4	711.87	1/4	352.35	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,782.94	1/2	1,423.42	1/2	1,063.90	1/2	704.38	1/2	344.86	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,775.45	3/4	1,415.93	3/4	1,056.41	3/4	696.89	3/4	337.37	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,767.96	11	1,408.44	11	1,048.92	11	689.40	11	329.88	11		11	11	11	11	11	11	11	11
1/4	1,760.47	1/4	1,400.95	1/4	1,041.43	1/4	681.91	1/4	322.39	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,752.98	1/2	1,393.46	1/2	1,033.94	1/2	674.42	1/2	314.90	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,745.49	3/4	1,385.97	3/4	1,026.45	3/4	666.93	3/4	307.41	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/14/2011 INSP
RECALCULATED: 04/28/2021 PMA
NAME CHANGE: 04/28/2021 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2021

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



BARGE "KIRBY 29144"

3 PORT ULLAGE TABLE

MMC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30020"

GAUGE HEIGHT 15'-10 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	4,402.26	0	4,181.94	0	3,961.62	0	3,741.30	0	3,517.23	0	3,177.29	0	2,819.35	0	2,461.41		
1/4		1/4		1/4	4,397.67	1/4	4,177.35	1/4	3,957.03	1/4	3,736.71	1/4	3,511.75	1/4	3,169.83	1/4	2,811.90	1/4	2,453.96		
1/2		1/2		1/2	4,393.08	1/2	4,172.76	1/2	3,952.44	1/2	3,732.12	1/2	3,506.28	1/2	3,162.38	1/2	2,804.44	1/2	2,446.50		
3/4		3/4		3/4	4,388.49	3/4	4,168.17	3/4	3,947.85	3/4	3,727.53	3/4	3,500.36	3/4	3,154.92	3/4	2,796.98	3/4	2,439.04		
1		1		1	4,383.90	1	4,163.58	1	3,943.26	1	3,722.94	1	3,494.45	1	3,147.46	1	2,789.52	1	2,431.59		
1/4		1/4		1/4	4,379.31	1/4	4,158.99	1/4	3,938.67	1/4	3,718.35	1/4	3,488.53	1/4	3,140.01	1/4	2,782.07	1/4	2,424.13		
1/2		1/2		1/2	4,374.72	1/2	4,154.40	1/2	3,934.08	1/2	3,713.76	1/2	3,482.62	1/2	3,132.55	1/2	2,774.61	1/2	2,416.68		
3/4		3/4		3/4	4,370.13	3/4	4,149.81	3/4	3,929.49	3/4	3,709.17	3/4	3,476.26	3/4	3,125.09	3/4	2,767.15	3/4	2,409.22		
2		2		2	4,365.54	2	4,145.22	2	3,924.90	2	3,704.58	2	3,469.90	2	3,117.63	2	2,759.69	2	2,401.76		
1/4		1/4		1/4	4,360.95	1/4	4,140.63	1/4	3,920.31	1/4	3,699.99	1/4	3,463.54	1/4	3,110.18	1/4	2,752.24	1/4	2,394.31		
1/2		1/2		1/2	4,356.36	1/2	4,136.04	1/2	3,915.72	1/2	3,695.40	1/2	3,457.18	1/2	3,102.72	1/2	2,744.78	1/2	2,386.85		
3/4		3/4		3/4	4,351.77	3/4	4,131.45	3/4	3,911.13	3/4	3,690.81	3/4	3,450.38	3/4	3,095.26	3/4	2,737.32	3/4	2,379.39		
3		3		3	4,347.18	3	4,126.86	3	3,906.54	3	3,686.22	3	3,443.58	3	3,087.80	3	2,729.87	3	2,371.93		
1/4		1/4		1/4	4,342.59	1/4	4,122.27	1/4	3,901.95	1/4	3,681.63	1/4	3,436.78	1/4	3,080.35	1/4	2,722.41	1/4	2,364.48		
1/2		1/2		1/2	4,503.24	1/2	4,338.00	1/2	4,117.68	1/2	3,897.36	1/2	3,677.04	1/2	3,429.98	1/2	3,072.89	1/2	2,714.96	1/2	2,357.02
3/4		3/4		3/4	4,502.86	3/4	4,333.41	3/4	4,113.09	3/4	3,892.77	3/4	3,672.45	3/4	3,422.73	3/4	3,065.43	3/4	2,707.50	3/4	2,349.56
4		4		4	4,502.47	4	4,328.82	4	4,108.50	4	3,888.18	4	3,667.86	4	3,415.49	4	3,057.97	4	2,700.04	4	2,342.10
1/4		1/4		1/4	4,502.09	1/4	4,324.23	1/4	4,103.91	1/4	3,883.59	1/4	3,663.27	1/4	3,408.24	1/4	3,050.52	1/4	2,692.59	1/4	2,334.65
1/2		1/2		1/2	4,501.70	1/2	4,319.64	1/2	4,099.32	1/2	3,879.00	1/2	3,658.68	1/2	3,401.00	1/2	3,043.06	1/2	2,685.13	1/2	2,327.19
3/4		3/4		3/4	4,500.56	3/4	4,315.05	3/4	4,094.73	3/4	3,874.41	3/4	3,654.09	3/4	3,393.54	3/4	3,035.60	3/4	2,677.67	3/4	2,319.73
5		5		5	4,499.41	5	4,310.46	5	4,090.14	5	3,869.82	5	3,649.50	5	3,386.08	5	3,028.15	5	2,670.21	5	2,312.27
1/4		1/4		1/4	4,498.27	1/4	4,305.87	1/4	4,085.55	1/4	3,865.23	1/4	3,644.91	1/4	3,378.63	1/4	3,020.69	1/4	2,662.76	1/4	2,304.82
1/2		1/2		1/2	4,497.12	1/2	4,301.28	1/2	4,080.96	1/2	3,860.64	1/2	3,640.32	1/2	3,371.17	1/2	3,013.24	1/2	2,655.30	1/2	2,297.36
3/4		3/4		3/4	4,495.21	3/4	4,296.69	3/4	4,076.37	3/4	3,856.05	3/4	3,635.73	3/4	3,363.71	3/4	3,005.78	3/4	2,647.84	3/4	2,289.90
6		6		6	4,493.30	6	4,292.10	6	4,071.78	6	3,851.46	6	3,631.14	6	3,356.25	6	2,998.32	6	2,640.38	6	2,282.45
1/4		1/4		1/4	4,491.38	1/4	4,287.51	1/4	4,067.19	1/4	3,846.87	1/4	3,626.55	1/4	3,348.80	1/4	2,990.87	1/4	2,632.93	1/4	2,274.99
1/2		1/2		1/2	4,489.47	1/2	4,282.92	1/2	4,062.60	1/2	3,842.28	1/2	3,621.96	1/2	3,341.34	1/2	2,983.41	1/2	2,625.47	1/2	2,267.54
3/4		3/4		3/4	4,486.79	3/4	4,278.33	3/4	4,058.01	3/4	3,837.69	3/4	3,617.37	3/4	3,333.88	3/4	2,975.95	3/4	2,618.01	3/4	2,260.08
7		7		7	4,484.12	7	4,273.74	7	4,053.42	7	3,833.10	7	3,612.78	7	3,326.43	7	2,968.49	7	2,610.55	7	2,252.62
1/4		1/4		1/4	4,481.44	1/4	4,269.15	1/4	4,048.83	1/4	3,828.51	1/4	3,608.19	1/4	3,318.97	1/4	2,961.04	1/4	2,603.10	1/4	2,245.17
1/2		1/2		1/2	4,478.76	1/2	4,264.56	1/2	4,044.24	1/2	3,823.92	1/2	3,603.60	1/2	3,311.52	1/2	2,953.58	1/2	2,595.64	1/2	2,237.71
3/4		3/4		3/4	4,475.32	3/4	4,259.97	3/4	4,039.65	3/4	3,819.33	3/4	3,599.01	3/4	3,304.06	3/4	2,946.12	3/4	2,588.18	3/4	2,230.25
8		8		8	4,471.88	8	4,255.38	8	4,035.06	8	3,814.74	8	3,594.42	8	3,296.60	8	2,938.66	8	2,580.73	8	2,222.79
1/4		1/4		1/4	4,468.43	1/4	4,250.79	1/4	4,030.47	1/4	3,810.15	1/4	3,589.83	1/4	3,289.15	1/4	2,931.21	1/4	2,573.27	1/4	2,215.34
1/2		1/2		1/2	4,464.99	1/2	4,246.20	1/2	4,025.88	1/2	3,805.56	1/2	3,585.24	1/2	3,281.69	1/2	2,923.75	1/2	2,565.82	1/2	2,207.88
3/4		3/4		3/4	4,460.78	3/4	4,241.61	3/4	4,021.29	3/4	3,800.97	3/4	3,580.65	3/4	3,274.23	3/4	2,916.29	3/4	2,558.36	3/4	2,200.42
9		9		9	4,456.58	9	4,237.02	9	4,016.70	9	3,796.38	9	3,576.06	9	3,266.77	9	2,908.83	9	2,550.90	9	2,192.96
1/4		1/4		1/4	4,452.37	1/4	4,232.43	1/4	4,012.11	1/4	3,791.79	1/4	3,571.47	1/4	3,259.32	1/4	2,901.38	1/4	2,543.45	1/4	2,185.51
1/2		1/2		1/2	4,448.16	1/2	4,227.84	1/2	4,007.52	1/2	3,787.20	1/2	3,566.88	1/2	3,251.86	1/2	2,893.92	1/2	2,535.99	1/2	2,178.05
3/4		3/4		3/4	4,443.57	3/4	4,223.25	3/4	4,002.93	3/4	3,782.61	3/4	3,562.23	3/4	3,244.40	3/4	2,886.46	3/4	2,528.53	3/4	2,170.59
10		10		10	4,438.98	10	4,218.66	10	3,998.34	10	3,778.02	10	3,557.59	10	3,236.94	10	2,879.01	10	2,521.07	10	2,163.13
1/4		1/4		1/4	4,434.39	1/4	4,214.07	1/4	3,993.75	1/4	3,773.43	1/4	3,552.94	1/4	3,229.49	1/4	2,871.55	1/4	2,513.62	1/4	2,155.68
1/2		1/2		1/2	4,429.80	1/2	4,209.48	1/2	3,989.16	1/2	3,768.84	1/2	3,548.30	1/2	3,222.03	1/2	2,864.10	1/2	2,506.16	1/2	2,148.22
3/4		3/4		3/4	4,425.21	3/4	4,204.89	3/4	3,984.57	3/4	3,764.25	3/4	3,543.27	3/4	3,214.57	3/4	2,856.64	3/4	2,498.70	3/4	2,140.76
11		11		11	4,420.62	11	4,200.30	11	3,979.98	11	3,759.66	11	3,538.24	11	3,207.11	11	2,849.18	11	2,491.24	11	2,133.31
1/4		1/4		1/4	4,416.03	1/4	4,195.71	1/4	3,975.39	1/4	3,755.07	1/4	3,533.21	1/4	3,199.66	1/4	2,841.73	1/4	2,483.79	1/4	2,125.85
1/2		1/2		1/2	4,411.44	1/2	4,191.12	1/2	3,970.80	1/2	3,750.48	1/2	3,528.18	1/2	3,192.20	1/2	2,834.27	1/2	2,476.33	1/2	2,118.40
3/4		3/4		3/4	4,406.85	3/4	4,186.53	3/4	3,966.21	3/4	3,745.89	3/4	3,522.70	3/4	3,184.74	3/4	2,826.81	3/4	2,468.87	3/4	2,110.94

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'-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 29144"

3 PORT ULLAGE TABLE MMC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30020"

GAUGE HEIGHT 15'-10 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	2,103.48	0	1,745.54	0	1,387.61	0	1,030.27	0	672.04	0	313.77	0		0		0		0	
1/4	2,096.03	1/4	1,738.09	1/4	1,380.15	1/4	1,022.82	1/4	664.57	1/4	306.30	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,088.57	1/2	1,730.63	1/2	1,372.70	1/2	1,015.38	1/2	657.11	1/2	298.84	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,081.11	3/4	1,723.17	3/4	1,365.25	3/4	1,007.92	3/4	649.65	3/4	291.37	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,073.65	1	1,715.71	1	1,357.81	1	1,000.45	1	642.18	1	283.91	1	1	1	1	1	1	1	1
1/4	2,066.20	1/4	1,708.26	1/4	1,350.36	1/4	992.99	1/4	634.72	1/4	276.44	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,058.74	1/2	1,700.80	1/2	1,342.92	1/2	985.53	1/2	627.26	1/2	268.98	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,051.28	3/4	1,693.34	3/4	1,335.47	3/4	978.06	3/4	619.79	3/4	261.52	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2,043.82	2	1,685.89	2	1,328.03	2	970.60	2	612.33	2	254.05	2	2	2	2	2	2	2	2
1/4	2,036.37	1/4	1,678.43	1/4	1,320.58	1/4	963.13	1/4	604.86	1/4	246.59	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,028.91	1/2	1,670.98	1/2	1,313.14	1/2	955.67	1/2	597.40	1/2	239.13	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,021.45	3/4	1,663.52	3/4	1,305.70	3/4	948.21	3/4	589.93	3/4	231.66	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	2,013.99	3	1,656.06	3	1,298.25	3	940.74	3	582.47	3	224.20	3	3	3	3	3	3	3	3
1/4	2,006.54	1/4	1,648.61	1/4	1,290.81	1/4	933.28	1/4	575.00	1/4	216.73	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,999.08	1/2	1,641.15	1/2	1,283.37	1/2	925.82	1/2	567.54	1/2	209.27	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,991.62	3/4	1,633.69	3/4	1,275.92	3/4	918.35	3/4	560.08	3/4	201.81	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,984.17	4	1,626.23	4	1,268.48	4	910.89	4	552.61	4	194.34	4	4	4	4	4	4	4	4
1/4	1,976.71	1/4	1,618.78	1/4	1,261.03	1/4	903.42	1/4	545.15	1/4	186.88	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,969.26	1/2	1,611.32	1/2	1,253.59	1/2	895.96	1/2	537.69	1/2	179.42	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,961.80	3/4	1,603.86	3/4	1,246.15	3/4	888.49	3/4	530.22	3/4	171.95	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,954.34	5	1,596.40	5	1,238.70	5	881.03	5	522.76	5	164.49	5	5	5	5	5	5	5	5
1/4	1,946.89	1/4	1,588.95	1/4	1,231.26	1/4	873.56	1/4	515.29	1/4	157.02	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,939.43	1/2	1,581.49	1/2	1,223.82	1/2	866.10	1/2	507.83	1/2	149.56	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,931.97	3/4	1,574.03	3/4	1,216.37	3/4	858.64	3/4	500.37	3/4	142.09	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,924.51	6	1,566.57	6	1,208.93	6	851.17	6	492.90	6	134.63	6	6	6	6	6	6	6	6
1/4	1,917.06	1/4	1,559.12	1/4	1,201.48	1/4	843.71	1/4	485.44	1/4	127.16	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,909.60	1/2	1,551.66	1/2	1,194.04	1/2	836.25	1/2	477.98	1/2	119.70	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,902.14	3/4	1,544.20	3/4	1,186.59	3/4	828.78	3/4	470.51	3/4	112.24	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,894.68	7	1,536.75	7	1,179.15	7	821.32	7	463.05	7	104.77	7	7	7	7	7	7	7	7
1/4	1,887.23	1/4	1,529.29	1/4	1,171.70	1/4	813.85	1/4	455.58	1/4	97.31	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,879.77	1/2	1,521.84	1/2	1,164.26	1/2	806.39	1/2	448.12	1/2	89.85	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,872.31	3/4	1,514.38	3/4	1,156.82	3/4	798.93	3/4	440.65	3/4	82.38	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,864.85	8	1,506.92	8	1,149.37	8	791.46	8	433.19	8	74.92	8	8	8	8	8	8	8	8
1/4	1,857.40	1/4	1,499.47	1/4	1,141.93	1/4	784.00	1/4	425.72	1/4	67.45	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,849.94	1/2	1,492.01	1/2	1,134.49	1/2	776.54	1/2	418.26	1/2	59.99	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,842.48	3/4	1,484.55	3/4	1,127.04	3/4	769.07	3/4	410.80	3/4	53.46	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,835.03	9	1,477.09	9	1,119.60	9	761.61	9	403.33	9	46.93	9	9	9	9	9	9	9	9
1/4	1,827.57	1/4	1,469.64	1/4	1,112.15	1/4	754.14	1/4	395.87	1/4	40.40	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,820.12	1/2	1,462.18	1/2	1,104.71	1/2	746.68	1/2	388.41	1/2	33.87	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,812.66	3/4	1,454.72	3/4	1,097.27	3/4	739.21	3/4	380.94	3/4	29.20	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,805.20	10	1,447.26	10	1,089.82	10	731.75	10	373.48	10	24.54	10	10	10	10	10	10	10	10
1/4	1,797.75	1/4	1,439.81	1/4	1,082.38	1/4	724.28	1/4	366.01	1/4	19.87	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,790.29	1/2	1,432.35	1/2	1,074.94	1/2	716.82	1/2	358.55	1/2	15.21	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,782.83	3/4	1,424.89	3/4	1,067.49	3/4	709.36	3/4	351.09	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,775.37	11	1,417.43	11	1,060.05	11	701.89	11	343.62	11		11	11	11	11	11	11	11	11
1/4	1,767.92	1/4	1,409.98	1/4	1,052.60	1/4	694.43	1/4	336.16	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,760.46	1/2	1,402.52	1/2	1,045.16	1/2	686.97	1/2	328.70	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,753.00	3/4	1,395.06	3/4	1,037.71	3/4	679.50	3/4	321.23	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/14/2011 INSP
RECALCULATED: 04/28/2021 PMA
NAME CHANGE: 04/28/2021 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2021

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
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BARGE "KIRBY 29144"

3 STBD ULLAGE TABLE

MMC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30020"

GAUGE HEIGHT 15'-10 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	4,406.85	0	4,186.53	0	3,966.21	0	3,745.89	0	3,522.70	0	3,184.74	0	2,826.81	0	2,468.87
1/4		1/4		1/4	4,402.26	1/4	4,181.94	1/4	3,961.62	1/4	3,741.30	1/4	3,517.23	1/4	3,177.29	1/4	2,819.35	1/4	2,461.41
1/2		1/2		1/2	4,397.67	1/2	4,177.35	1/2	3,957.03	1/2	3,736.71	1/2	3,511.75	1/2	3,169.83	1/2	2,811.90	1/2	2,453.96
3/4		3/4		3/4	4,393.08	3/4	4,172.76	3/4	3,952.44	3/4	3,732.12	3/4	3,506.28	3/4	3,162.38	3/4	2,804.44	3/4	2,446.50
1		1		1	4,388.49	1	4,168.17	1	3,947.85	1	3,727.53	1	3,500.36	1	3,154.92	1	2,796.98	1	2,439.04
1/4		1/4		1/4	4,383.90	1/4	4,163.58	1/4	3,943.26	1/4	3,722.94	1/4	3,494.45	1/4	3,147.46	1/4	2,789.52	1/4	2,431.59
1/2		1/2		1/2	4,379.31	1/2	4,158.99	1/2	3,938.67	1/2	3,718.35	1/2	3,488.53	1/2	3,140.01	1/2	2,782.07	1/2	2,424.13
3/4		3/4		3/4	4,374.72	3/4	4,154.40	3/4	3,934.08	3/4	3,713.76	3/4	3,482.62	3/4	3,132.55	3/4	2,774.61	3/4	2,416.68
2		2		2	4,370.13	2	4,149.81	2	3,929.49	2	3,709.17	2	3,476.26	2	3,125.09	2	2,767.15	2	2,409.22
1/4		1/4		1/4	4,365.54	1/4	4,145.22	1/4	3,924.90	1/4	3,704.58	1/4	3,469.90	1/4	3,117.63	1/4	2,759.69	1/4	2,401.76
1/2		1/2		1/2	4,360.95	1/2	4,140.63	1/2	3,920.31	1/2	3,699.99	1/2	3,463.54	1/2	3,110.18	1/2	2,752.24	1/2	2,394.31
3/4		3/4		3/4	4,356.36	3/4	4,136.04	3/4	3,915.72	3/4	3,695.40	3/4	3,457.18	3/4	3,102.72	3/4	2,744.78	3/4	2,386.85
3		3		3	4,351.77	3	4,131.45	3	3,911.13	3	3,690.81	3	3,450.38	3	3,095.26	3	2,737.32	3	2,379.39
1/4		1/4		1/4	4,347.18	1/4	4,126.86	1/4	3,906.54	1/4	3,686.22	1/4	3,443.58	1/4	3,087.80	1/4	2,729.87	1/4	2,371.93
1/2		1/2		1/2	4,342.59	1/2	4,122.27	1/2	3,901.95	1/2	3,681.63	1/2	3,436.78	1/2	3,080.35	1/2	2,722.41	1/2	2,364.48
3/4		3/4	4,503.24	3/4	4,338.00	3/4	4,117.68	3/4	3,897.36	3/4	3,677.04	3/4	3,429.98	3/4	3,072.89	3/4	2,714.96	3/4	2,357.02
4		4	4,502.86	4	4,333.41	4	4,113.09	4	3,892.77	4	3,672.45	4	3,422.73	4	3,065.43	4	2,707.50	4	2,349.56
1/4		1/4	4,502.47	1/4	4,328.82	1/4	4,108.50	1/4	3,888.18	1/4	3,667.86	1/4	3,415.49	1/4	3,057.97	1/4	2,700.04	1/4	2,342.10
1/2		1/2	4,502.09	1/2	4,324.23	1/2	4,103.91	1/2	3,883.59	1/2	3,663.27	1/2	3,408.24	1/2	3,050.52	1/2	2,692.59	1/2	2,334.65
3/4		3/4	4,501.70	3/4	4,319.64	3/4	4,099.32	3/4	3,879.00	3/4	3,658.68	3/4	3,401.00	3/4	3,043.06	3/4	2,685.13	3/4	2,327.19
5		5	4,500.56	5	4,315.05	5	4,094.73	5	3,874.41	5	3,654.09	5	3,393.54	5	3,035.60	5	2,677.67	5	2,319.73
1/4		1/4	4,499.41	1/4	4,310.46	1/4	4,090.14	1/4	3,869.82	1/4	3,649.50	1/4	3,386.08	1/4	3,028.15	1/4	2,670.21	1/4	2,312.27
1/2		1/2	4,498.27	1/2	4,305.87	1/2	4,085.55	1/2	3,865.23	1/2	3,644.91	1/2	3,378.63	1/2	3,020.69	1/2	2,662.76	1/2	2,304.82
3/4		3/4	4,497.12	3/4	4,301.28	3/4	4,080.96	3/4	3,860.64	3/4	3,640.32	3/4	3,371.17	3/4	3,013.24	3/4	2,655.30	3/4	2,297.36
6		6	4,495.21	6	4,296.69	6	4,076.37	6	3,856.05	6	3,635.73	6	3,363.71	6	3,005.78	6	2,647.84	6	2,289.90
1/4		1/4	4,494.30	1/4	4,292.10	1/4	4,071.78	1/4	3,851.46	1/4	3,631.14	1/4	3,356.25	1/4	2,998.32	1/4	2,640.38	1/4	2,282.45
1/2		1/2	4,491.38	1/2	4,287.51	1/2	4,067.19	1/2	3,846.87	1/2	3,626.55	1/2	3,348.80	1/2	2,990.87	1/2	2,632.93	1/2	2,274.99
3/4		3/4	4,489.47	3/4	4,282.92	3/4	4,062.60	3/4	3,842.28	3/4	3,621.96	3/4	3,341.34	3/4	2,983.41	3/4	2,625.47	3/4	2,267.54
7		7	4,486.79	7	4,278.33	7	4,058.01	7	3,837.69	7	3,617.37	7	3,333.88	7	2,975.95	7	2,618.01	7	2,260.08
1/4		1/4	4,484.12	1/4	4,273.74	1/4	4,053.42	1/4	3,833.10	1/4	3,612.78	1/4	3,326.43	1/4	2,968.49	1/4	2,610.55	1/4	2,252.62
1/2		1/2	4,481.44	1/2	4,269.15	1/2	4,048.83	1/2	3,828.51	1/2	3,608.19	1/2	3,318.97	1/2	2,961.04	1/2	2,603.10	1/2	2,245.17
3/4		3/4	4,478.76	3/4	4,264.56	3/4	4,044.24	3/4	3,823.92	3/4	3,603.60	3/4	3,311.52	3/4	2,953.58	3/4	2,595.64	3/4	2,237.71
8		8	4,475.32	8	4,259.97	8	4,039.65	8	3,819.33	8	3,599.01	8	3,304.06	8	2,946.12	8	2,588.18	8	2,230.25
1/4		1/4	4,471.88	1/4	4,255.38	1/4	4,035.06	1/4	3,814.74	1/4	3,594.42	1/4	3,296.60	1/4	2,938.66	1/4	2,580.73	1/4	2,222.79
1/2		1/2	4,468.43	1/2	4,250.79	1/2	4,030.47	1/2	3,810.15	1/2	3,589.83	1/2	3,289.15	1/2	2,931.21	1/2	2,573.27	1/2	2,215.34
3/4		3/4	4,464.99	3/4	4,246.20	3/4	4,025.88	3/4	3,805.56	3/4	3,585.24	3/4	3,281.69	3/4	2,923.75	3/4	2,565.82	3/4	2,207.88
9		9	4,460.78	9	4,241.61	9	4,021.29	9	3,800.97	9	3,580.65	9	3,274.23	9	2,916.29	9	2,558.36	9	2,200.42
1/4		1/4	4,456.58	1/4	4,237.02	1/4	4,016.70	1/4	3,796.38	1/4	3,576.06	1/4	3,266.77	1/4	2,908.83	1/4	2,550.90	1/4	2,192.96
1/2		1/2	4,452.37	1/2	4,232.43	1/2	4,012.11	1/2	3,791.79	1/2	3,571.47	1/2	3,259.32	1/2	2,901.38	1/2	2,543.45	1/2	2,185.51
3/4		3/4	4,448.16	3/4	4,227.84	3/4	4,007.52	3/4	3,787.20	3/4	3,566.88	3/4	3,251.86	3/4	2,893.92	3/4	2,535.99	3/4	2,178.05
10		10	4,443.57	10	4,223.25	10	4,002.93	10	3,782.61	10	3,562.23	10	3,244.40	10	2,886.46	10	2,528.53	10	2,170.59
1/4		1/4	4,438.98	1/4	4,218.66	1/4	3,998.34	1/4	3,778.02	1/4	3,557.59	1/4	3,236.94	1/4	2,879.01	1/4	2,521.07	1/4	2,163.13
1/2		1/2	4,434.39	1/2	4,214.07	1/2	3,993.75	1/2	3,773.43	1/2	3,552.94	1/2	3,229.49	1/2	2,871.55	1/2	2,513.62	1/2	2,155.68
3/4		3/4	4,429.80	3/4	4,209.48	3/4	3,989.16	3/4	3,768.84	3/4	3,548.30	3/4	3,222.03	3/4	2,864.10	3/4	2,506.16	3/4	2,148.22
11		11	4,425.21	11	4,204.89	11	3,984.57	11	3,764.25	11	3,543.27	11	3,214.57	11	2,856.64	11	2,498.70	11	2,140.76
1/4		1/4	4,420.62	1/4	4,200.30	1/4	3,979.98	1/4	3,759.66	1/4	3,538.24	1/4	3,207.11	1/4	2,849.18	1/4	2,491.24	1/4	2,133.31
1/2		1/2	4,416.03	1/2	4,195.71	1/2	3,975.39	1/2	3,755.07	1/2	3,533.21	1/2	3,199.66	1/2	2,841.73	1/2	2,483.79	1/2	2,125.85
3/4		3/4	4,411.44	3/4	4,191.12	3/4	3,970.80	3/4	3,750.48	3/4	3,528.18	3/4	3,192.20	3/4	2,834.27	3/4	2,476.33	3/4	2,118.40

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'-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 29144"

3 STBD ULLAGE TABLE MMC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30020"

GAUGE HEIGHT 15'-10 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	2,110.94	0	1,753.00	0	1,395.06	0	1,037.71	0	679.50	0	321.23	0		0		0		0	
1/4	2,103.48	1/4	1,745.54	1/4	1,387.61	1/4	1,030.27	1/4	672.04	1/4	313.77	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,096.03	1/2	1,738.09	1/2	1,380.15	1/2	1,022.82	1/2	664.57	1/2	306.30	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,088.57	3/4	1,730.63	3/4	1,372.70	3/4	1,015.38	3/4	657.11	3/4	298.84	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,081.11	1	1,723.17	1	1,365.25	1	1,007.92	1	649.65	1	291.37	1	1	1	1	1	1	1	1
1/4	2,073.65	1/4	1,715.71	1/4	1,357.81	1/4	1,000.45	1/4	642.18	1/4	283.91	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,066.20	1/2	1,708.26	1/2	1,350.36	1/2	992.99	1/2	634.72	1/2	276.44	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,058.74	3/4	1,700.80	3/4	1,342.92	3/4	985.53	3/4	627.26	3/4	268.98	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2,051.28	2	1,693.34	2	1,335.47	2	978.06	2	619.79	2	261.52	2	2	2	2	2	2	2	2
1/4	2,043.82	1/4	1,685.89	1/4	1,328.03	1/4	970.60	1/4	612.33	1/4	254.05	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,036.37	1/2	1,678.43	1/2	1,320.58	1/2	963.13	1/2	604.86	1/2	246.59	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,028.91	3/4	1,670.98	3/4	1,313.14	3/4	955.67	3/4	597.40	3/4	239.13	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	2,021.45	3	1,663.52	3	1,305.70	3	948.21	3	589.93	3	231.66	3	3	3	3	3	3	3	3
1/4	2,013.99	1/4	1,656.06	1/4	1,298.25	1/4	940.74	1/4	582.47	1/4	224.20	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,006.54	1/2	1,648.61	1/2	1,290.81	1/2	933.28	1/2	575.00	1/2	216.73	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,999.08	3/4	1,641.15	3/4	1,283.37	3/4	925.82	3/4	567.54	3/4	209.27	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,991.62	4	1,633.69	4	1,275.92	4	918.35	4	560.08	4	201.81	4	4	4	4	4	4	4	4
1/4	1,984.17	1/4	1,626.23	1/4	1,268.48	1/4	910.89	1/4	552.61	1/4	194.34	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,976.71	1/2	1,618.78	1/2	1,261.03	1/2	903.42	1/2	545.15	1/2	186.88	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,969.26	3/4	1,611.32	3/4	1,253.59	3/4	895.96	3/4	537.69	3/4	179.42	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,961.80	5	1,603.86	5	1,246.15	5	888.49	5	530.22	5	171.95	5	5	5	5	5	5	5	5
1/4	1,954.34	1/4	1,596.40	1/4	1,238.70	1/4	881.03	1/4	522.76	1/4	164.49	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,946.89	1/2	1,588.95	1/2	1,231.26	1/2	873.56	1/2	515.29	1/2	157.02	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,939.43	3/4	1,581.49	3/4	1,223.82	3/4	866.10	3/4	507.83	3/4	149.56	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,931.97	6	1,574.03	6	1,216.37	6	858.64	6	500.37	6	142.09	6	6	6	6	6	6	6	6
1/4	1,924.51	1/4	1,566.57	1/4	1,208.93	1/4	851.17	1/4	492.90	1/4	134.63	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,917.06	1/2	1,559.12	1/2	1,201.48	1/2	843.71	1/2	485.44	1/2	127.16	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,909.60	3/4	1,551.66	3/4	1,194.04	3/4	836.25	3/4	477.98	3/4	119.70	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,902.14	7	1,544.20	7	1,186.59	7	828.78	7	470.51	7	112.24	7	7	7	7	7	7	7	7
1/4	1,894.68	1/4	1,536.75	1/4	1,179.15	1/4	821.32	1/4	463.05	1/4	104.77	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,887.23	1/2	1,529.29	1/2	1,171.70	1/2	813.85	1/2	455.58	1/2	97.31	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,879.77	3/4	1,521.84	3/4	1,164.26	3/4	806.39	3/4	448.12	3/4	89.85	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,872.31	8	1,514.38	8	1,156.82	8	798.93	8	440.65	8	82.38	8	8	8	8	8	8	8	8
1/4	1,864.85	1/4	1,506.92	1/4	1,149.37	1/4	791.46	1/4	433.19	1/4	74.92	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,857.40	1/2	1,499.47	1/2	1,141.93	1/2	784.00	1/2	425.72	1/2	67.45	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,849.94	3/4	1,492.01	3/4	1,134.49	3/4	776.54	3/4	418.26	3/4	59.99	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,842.48	9	1,484.55	9	1,127.04	9	769.07	9	410.80	9	53.46	9	9	9	9	9	9	9	9
1/4	1,835.03	1/4	1,477.09	1/4	1,119.60	1/4	761.61	1/4	403.33	1/4	46.93	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,827.57	1/2	1,469.64	1/2	1,112.15	1/2	754.14	1/2	395.87	1/2	40.40	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,820.12	3/4	1,462.18	3/4	1,104.71	3/4	746.68	3/4	388.41	3/4	33.87	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,812.66	10	1,454.72	10	1,097.27	10	739.21	10	380.94	10	29.20	10	10	10	10	10	10	10	10
1/4	1,805.20	1/4	1,447.26	1/4	1,089.82	1/4	731.75	1/4	373.48	1/4	24.54	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,797.75	1/2	1,439.81	1/2	1,082.38	1/2	724.28	1/2	366.01	1/2	19.87	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,790.29	3/4	1,432.35	3/4	1,074.94	3/4	716.82	3/4	358.55	3/4	15.21	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,782.83	11	1,424.89	11	1,067.49	11	709.36	11	351.09	11		11	11	11	11	11	11	11	11
1/4	1,775.37	1/4	1,417.43	1/4	1,060.05	1/4	701.89	1/4	343.62	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,767.92	1/2	1,409.98	1/2	1,052.60	1/2	694.43	1/2	336.16	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,760.46	3/4	1,402.52	3/4	1,045.16	3/4	686.97	3/4	328.70	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/14/2011 INSP
RECALCULATED: 04/28/2021 PMA
NAME CHANGE: 04/28/2021 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2021

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