



BARGE "MMLP 334"

ULLAGE (10" HATCH)
FORMERLY "SMS 30066"

	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	- 02-0/8	02-0/8	- 04-0/8	04-0/8	- 06-1/8	06-1/8	- 08-1/8	08-1/8	- 10-1/8	10-1/8	- 12-1/8	12-1/8
1 STBD	- 02-0/8	02-0/8	- 04-0/8	04-0/8	- 06-1/8	06-1/8	- 08-1/8	08-1/8	- 10-1/8	10-1/8	- 12-1/8	12-1/8
2 PORT	- 02-0/8	02-0/8	- 04-1/8	04-1/8	- 06-1/8	06-1/8	- 08-1/8	08-1/8	- 10-1/8	10-1/8	- 12-1/4	12-1/4
2 STBD	- 02-0/8	02-0/8	- 04-1/8	04-1/8	- 06-1/8	06-1/8	- 08-1/8	08-1/8	- 10-1/4	10-1/4	- 12-1/4	12-1/4
3 PORT	02-0/8	- 02-0/8	04-0/8	- 04-0/8	06-1/8	- 06-1/8	08-1/8	- 08-1/8	10-1/8	- 10-1/8	12-1/8	- 12-1/8
3 STBD	02-0/8	- 02-0/8	04-0/8	- 04-0/8	06-1/8	- 06-1/8	08-1/8	- 08-1/8	10-1/8	- 10-1/8	12-1/8	- 12-1/8

(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 08-1/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 4'-08 1/8"

LENGTH BETWEEN DRAFT MARKS: 235'-09"

February 20, 2019

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



BARGE "MMLP 334"

1 PORT ULLAGE TABLE

10" HATCH GAUGE HEIGHT 17'-07"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30066"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	0	0	5,047.36	0	4,750.67	0	4,393.74	0	4,036.81	0	3,678.97	0	3,320.99	0	2,963.01
1/4		1/4		1/4		1/4	5,045.28	1/4	4,743.24	1/4	4,386.31	1/4	4,029.37	1/4	3,671.51	1/4	3,313.53	1/4	2,955.55
1/2		1/2		1/2		1/2	5,043.20	1/2	4,735.80	1/2	4,378.87	1/2	4,021.94	1/2	3,664.05	1/2	3,306.07	1/2	2,948.09
3/4		3/4		3/4		3/4	5,041.12	3/4	4,728.37	3/4	4,371.43	3/4	4,014.50	3/4	3,656.60	3/4	3,298.62	3/4	2,940.64
1	1	1	1	1	1	1	5,039.04	1	4,720.93	1	4,364.00	1	4,007.06	1	3,649.14	1	3,291.16	1	2,933.18
1/4		1/4		1/4		1/4	5,035.72	1/4	4,713.49	1/4	4,356.56	1/4	3,999.62	1/4	3,641.68	1/4	3,283.70	1/4	2,925.72
1/2		1/2		1/2		1/2	5,032.39	1/2	4,706.06	1/2	4,349.12	1/2	3,992.17	1/2	3,634.22	1/2	3,276.24	1/2	2,918.26
3/4		3/4		3/4		3/4	5,029.07	3/4	4,698.62	3/4	4,341.69	3/4	3,984.73	3/4	3,626.76	3/4	3,268.78	3/4	2,910.81
2	2	2	2	2	2	2	5,025.75	2	4,691.19	2	4,334.25	2	3,977.28	2	3,619.31	2	3,261.33	2	2,903.35
1/4		1/4		1/4		1/4	5,021.18	1/4	4,683.75	1/4	4,326.82	1/4	3,969.83	1/4	3,611.85	1/4	3,253.87	1/4	2,895.89
1/2		1/2		1/2		1/2	5,016.61	1/2	4,676.31	1/2	4,319.38	1/2	3,962.37	1/2	3,604.39	1/2	3,246.41	1/2	2,888.43
3/4		3/4		3/4		3/4	5,012.04	3/4	4,668.88	3/4	4,311.94	3/4	3,954.91	3/4	3,596.93	3/4	3,238.95	3/4	2,880.97
3	3	3	3	3	3	3	5,007.48	3	4,661.44	3	4,304.51	3	3,947.45	3	3,589.47	3	3,231.49	3	2,873.52
1/4		1/4		1/4		1/4	5,001.67	1/4	4,654.00	1/4	4,297.07	1/4	3,940.00	1/4	3,582.02	1/4	3,224.04	1/4	2,866.06
1/2		1/2		1/2		1/2	4,995.86	1/2	4,646.57	1/2	4,289.64	1/2	3,932.54	1/2	3,574.56	1/2	3,216.58	1/2	2,858.60
3/4		3/4		3/4		3/4	4,990.05	3/4	4,639.13	3/4	4,282.20	3/4	3,925.08	3/4	3,567.10	3/4	3,209.12	3/4	2,851.14
4	4	4	4	4	4	4	4,984.24	4	4,631.70	4	4,274.76	4	3,917.62	4	3,559.64	4	3,201.66	4	2,843.68
1/4		1/4		1/4		1/4	4,977.37	1/4	4,624.26	1/4	4,267.33	1/4	3,910.16	1/4	3,552.18	1/4	3,194.21	1/4	2,836.23
1/2		1/2		1/2		1/2	4,970.51	1/2	4,616.82	1/2	4,259.89	1/2	3,902.71	1/2	3,544.73	1/2	3,186.75	1/2	2,828.77
3/4		3/4		3/4		3/4	4,963.65	3/4	4,609.39	3/4	4,252.46	3/4	3,895.25	3/4	3,537.27	3/4	3,179.29	3/4	2,821.31
5	5	5	5	5	5	5	4,956.78	5	4,601.95	5	4,245.02	5	3,887.79	5	3,529.81	5	3,171.83	5	2,813.85
1/4		1/4		1/4		1/4	4,949.46	1/4	4,594.52	1/4	4,237.58	1/4	3,880.33	1/4	3,522.35	1/4	3,164.37	1/4	2,806.39
1/2		1/2		1/2		1/2	4,942.14	1/2	4,587.08	1/2	4,230.15	1/2	3,872.87	1/2	3,514.90	1/2	3,156.92	1/2	2,798.94
3/4		3/4		3/4		3/4	4,934.82	3/4	4,579.64	3/4	4,222.71	3/4	3,865.42	3/4	3,507.44	3/4	3,149.46	3/4	2,791.48
6	6	6	6	6	6	6	4,927.50	6	4,572.21	6	4,215.27	6	3,857.96	6	3,499.98	6	3,142.00	6	2,784.02
1/4		1/4		1/4		1/4	4,920.14	1/4	4,564.77	1/4	4,207.84	1/4	3,850.50	1/4	3,492.52	1/4	3,134.54	1/4	2,776.56
1/2		1/2		1/2		1/2	4,912.79	1/2	4,557.34	1/2	4,200.40	1/2	3,843.04	1/2	3,485.06	1/2	3,127.08	1/2	2,769.11
3/4		3/4		3/4		3/4	4,905.43	3/4	4,549.90	3/4	4,192.97	3/4	3,835.58	3/4	3,477.61	3/4	3,119.63	3/4	2,761.65
7	7	7	7	7	7	7	4,898.08	7	4,542.46	7	4,185.53	7	3,828.13	7	3,470.15	7	3,112.17	7	2,754.19
1/4		1/4		1/4		1/4	4,890.71	1/4	4,535.03	1/4	4,178.09	1/4	3,820.67	1/4	3,462.69	1/4	3,104.71	1/4	2,746.73
1/2		1/2		1/2		1/2	4,883.35	1/2	4,527.59	1/2	4,170.66	1/2	3,813.21	1/2	3,455.23	1/2	3,097.25	1/2	2,739.27
3/4		3/4		3/4		3/4	4,875.99	3/4	4,520.15	3/4	4,163.22	3/4	3,805.75	3/4	3,447.77	3/4	3,089.79	3/4	2,731.82
8	8	8	8	8	8	8	4,868.63	8	4,512.72	8	4,155.79	8	3,798.30	8	3,440.32	8	3,082.34	8	2,724.36
1/4		1/4		1/4		1/4	4,861.26	1/4	4,505.28	1/4	4,148.35	1/4	3,790.84	1/4	3,432.86	1/4	3,074.88	1/4	2,716.90
1/2		1/2		1/2		1/2	4,853.90	1/2	4,497.85	1/2	4,140.91	1/2	3,783.38	1/2	3,425.40	1/2	3,067.42	1/2	2,709.44
3/4		3/4		3/4		3/4	4,846.54	3/4	4,490.41	3/4	4,133.48	3/4	3,775.92	3/4	3,417.94	3/4	3,059.96	3/4	2,701.98
9	9	9	9	9	9	9	4,839.17	9	4,482.97	9	4,126.04	9	3,768.46	9	3,410.48	9	3,052.51	9	2,694.53
1/4		1/4		1/4		1/4	4,831.81	1/4	4,475.54	1/4	4,118.61	1/4	3,761.01	1/4	3,403.03	1/4	3,045.05	1/4	2,687.07
1/2		1/2		1/2		1/2	4,824.45	1/2	4,468.10	1/2	4,111.17	1/2	3,753.55	1/2	3,395.57	1/2	3,037.59	1/2	2,679.61
3/4		3/4		3/4		3/4	4,817.09	3/4	4,460.67	3/4	4,103.73	3/4	3,746.09	3/4	3,388.11	3/4	3,030.13	3/4	2,672.15
10	10	10	10	10	10	10	4,809.72	10	4,453.23	10	4,096.30	10	3,738.63	10	3,380.65	10	3,022.67	10	2,664.69
1/4		1/4		1/4		1/4	4,802.36	1/4	4,445.79	1/4	4,088.86	1/4	3,731.17	1/4	3,373.19	1/4	3,015.22	1/4	2,657.24
1/2		1/2		1/2		1/2	4,795.00	1/2	4,438.36	1/2	4,081.43	1/2	3,723.72	1/2	3,365.74	1/2	3,007.76	1/2	2,649.78
3/4		3/4		3/4		3/4	4,787.64	3/4	4,430.92	3/4	4,073.99	3/4	3,716.26	3/4	3,358.28	3/4	3,000.30	3/4	2,642.32
11	11	11	11	11	11	11	4,780.27	11	4,423.49	11	4,066.55	11	3,708.80	11	3,350.82	11	2,992.84	11	2,634.86
1/4		1/4		1/4		1/4	4,772.87	1/4	4,416.05	1/4	4,059.12	1/4	3,701.34	1/4	3,343.36	1/4	2,985.38	1/4	2,627.40
1/2		1/2		1/2		1/2	4,765.47	1/2	4,408.61	1/2	4,051.68	1/2	3,693.88	1/2	3,335.91	1/2	2,977.93	1/2	2,619.95
3/4		3/4		3/4		3/4	4,758.07	3/4	4,401.18	3/4	4,044.24	3/4	3,686.43	3/4	3,328.45	3/4	2,970.47	3/4	2,612.49

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME
 GAUGE POINT: (10" HATCH) LOCATED 3'-00" OFF CENTERLINE AND 3'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
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BARGE "MMLP 334"

1 PORT

ULLAGE TABLE

10" HATCH

GAUGE HEIGHT 17'-07"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30066"

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	2,605.03	0	2,246.97	0	1,888.89	0	1,530.81	0	1,172.73	0	816.87	0	459.60	0	133.04	0		0	
1/4	2,597.57	1/4	2,239.51	1/4	1,881.43	1/4	1,523.35	1/4	1,165.27	1/4	809.46	1/4	452.31	1/4	126.80	1/4		1/4	
1/2	2,590.12	1/2	2,232.05	1/2	1,873.97	1/2	1,515.89	1/2	1,157.81	1/2	802.06	1/2	445.03	1/2	120.57	1/2		1/2	
3/4	2,582.66	3/4	2,224.59	3/4	1,866.51	3/4	1,508.43	3/4	1,150.35	3/4	794.65	3/4	437.74	3/4	114.33	3/4		3/4	
1	2,575.21	1	2,217.13	1	1,859.05	1	1,500.97	1	1,142.89	1	787.25	1	430.46	1	108.10	1		1	
1/4	2,567.75	1/4	2,209.67	1/4	1,851.59	1/4	1,493.51	1/4	1,135.44	1/4	779.81	1/4	423.26	1/4	101.96	1/4		1/4	
1/2	2,560.29	1/2	2,202.21	1/2	1,844.13	1/2	1,486.05	1/2	1,128.00	1/2	772.38	1/2	416.07	1/2	95.82	1/2		1/2	
3/4	2,552.83	3/4	2,194.75	3/4	1,836.67	3/4	1,478.59	3/4	1,120.55	3/4	764.94	3/4	408.87	3/4	89.68	3/4		3/4	
2	2,545.37	2	2,187.29	2	1,829.21	2	1,471.13	2	1,113.11	2	757.51	2	401.67	2	83.54	2		2	
1/4	2,537.91	1/4	2,179.83	1/4	1,821.75	1/4	1,463.67	1/4	1,105.68	1/4	750.05	1/4	394.56	1/4	77.50	1/4		1/4	
1/2	2,530.45	1/2	2,172.37	1/2	1,814.29	1/2	1,456.21	1/2	1,098.25	1/2	742.59	1/2	387.45	1/2	71.47	1/2		1/2	
3/4	2,522.99	3/4	2,164.91	3/4	1,806.83	3/4	1,448.75	3/4	1,090.82	3/4	735.13	3/4	380.34	3/4	65.43	3/4		3/4	
3	2,515.53	3	2,157.45	3	1,799.37	3	1,441.29	3	1,083.39	3	727.67	3	373.23	3	59.39	3		3	
1/4	2,508.07	1/4	2,149.99	1/4	1,791.91	1/4	1,433.83	1/4	1,075.98	1/4	720.21	1/4	366.21	1/4	53.91	1/4		1/4	
1/2	2,500.61	1/2	2,142.53	1/2	1,784.45	1/2	1,426.37	1/2	1,068.56	1/2	712.75	1/2	359.19	1/2	48.42	1/2		1/2	
3/4	2,493.15	3/4	2,135.07	3/4	1,776.99	3/4	1,418.91	3/4	1,061.14	3/4	705.29	3/4	352.17	3/4	42.93	3/4		3/4	
4	2,485.69	4	2,127.61	4	1,769.53	4	1,411.45	4	1,053.72	4	697.83	4	345.14	4	37.45	4		4	
1/4	2,478.23	1/4	2,120.15	1/4	1,762.07	1/4	1,403.99	1/4	1,046.31	1/4	690.37	1/4	338.21	1/4	33.43	1/4		1/4	
1/2	2,470.77	1/2	2,112.69	1/2	1,754.61	1/2	1,396.53	1/2	1,038.91	1/2	682.91	1/2	331.27	1/2	29.41	1/2		1/2	
3/4	2,463.31	3/4	2,105.23	3/4	1,747.15	3/4	1,389.07	3/4	1,031.50	3/4	675.45	3/4	324.34	3/4	25.39	3/4		3/4	
5	2,455.85	5	2,097.77	5	1,739.69	5	1,381.61	5	1,024.10	5	667.99	5	317.40	5	21.37	5		5	
1/4	2,448.39	1/4	2,090.31	1/4	1,732.23	1/4	1,374.15	1/4	1,016.70	1/4	660.53	1/4	310.56	1/4	18.45	1/4		1/4	
1/2	2,440.93	1/2	2,082.85	1/2	1,724.77	1/2	1,366.69	1/2	1,009.29	1/2	653.07	1/2	303.71	1/2	15.53	1/2		1/2	
3/4	2,433.47	3/4	2,075.39	3/4	1,717.31	3/4	1,359.23	3/4	1,001.89	3/4	645.61	3/4	296.86	3/4	12.61	3/4		3/4	
6	2,426.01	6	2,067.93	6	1,709.85	6	1,351.77	6	994.49	6	638.15	6	290.02	6	9.69	6		6	
1/4	2,418.55	1/4	2,060.47	1/4	1,702.39	1/4	1,344.31	1/4	987.09	1/4	630.69	1/4	283.26	1/4	7.83	1/4		1/4	
1/2	2,411.09	1/2	2,053.01	1/2	1,694.93	1/2	1,336.85	1/2	979.69	1/2	623.23	1/2	276.50	1/2	5.96	1/2		1/2	
3/4	2,403.63	3/4	2,045.55	3/4	1,687.47	3/4	1,329.39	3/4	972.29	3/4	615.77	3/4	269.74	3/4	4.10	3/4		3/4	
7	2,396.17	7	2,038.09	7	1,680.01	7	1,321.93	7	964.89	7	608.31	7	262.98	7	2.23	7		7	
1/4	2,388.71	1/4	2,030.63	1/4	1,672.55	1/4	1,314.47	1/4	957.49	1/4	600.86	1/4	256.30	1/4		1/4		1/4	
1/2	2,381.25	1/2	2,023.17	1/2	1,665.09	1/2	1,307.01	1/2	950.09	1/2	593.40	1/2	249.63	1/2		1/2		1/2	
3/4	2,373.79	3/4	2,015.71	3/4	1,657.63	3/4	1,299.55	3/4	942.69	3/4	585.94	3/4	242.96	3/4		3/4		3/4	
8	2,366.33	8	2,008.25	8	1,650.17	8	1,292.09	8	935.28	8	578.49	8	236.29	8		8		8	
1/4	2,358.87	1/4	2,000.79	1/4	1,642.71	1/4	1,284.63	1/4	927.88	1/4	571.03	1/4	229.70	1/4		1/4		1/4	
1/2	2,351.41	1/2	1,993.33	1/2	1,635.25	1/2	1,277.17	1/2	920.48	1/2	563.58	1/2	223.12	1/2		1/2		1/2	
3/4	2,343.95	3/4	1,985.87	3/4	1,627.79	3/4	1,269.71	3/4	913.08	3/4	556.12	3/4	216.54	3/4		3/4		3/4	
9	2,336.49	9	1,978.41	9	1,620.33	9	1,262.25	9	905.68	9	548.67	9	209.95	9		9		9	
1/4	2,329.03	1/4	1,970.95	1/4	1,612.87	1/4	1,254.79	1/4	898.28	1/4	541.21	1/4	203.45	1/4		1/4		1/4	
1/2	2,321.57	1/2	1,963.49	1/2	1,605.41	1/2	1,247.33	1/2	890.88	1/2	533.75	1/2	196.96	1/2		1/2		1/2	
3/4	2,314.11	3/4	1,956.03	3/4	1,597.95	3/4	1,239.87	3/4	883.48	3/4	526.30	3/4	190.46	3/4		3/4		3/4	
10	2,306.65	10	1,948.57	10	1,590.49	10	1,232.41	10	876.08	10	518.84	10	183.96	10		10		10	
1/4	2,299.19	1/4	1,941.11	1/4	1,583.03	1/4	1,224.95	1/4	868.68	1/4	511.40	1/4	177.55	1/4		1/4		1/4	
1/2	2,291.73	1/2	1,933.65	1/2	1,575.57	1/2	1,217.49	1/2	861.27	1/2	503.96	1/2	171.14	1/2		1/2		1/2	
3/4	2,284.27	3/4	1,926.19	3/4	1,568.11	3/4	1,210.03	3/4	853.87	3/4	496.53	3/4	164.73	3/4		3/4		3/4	
11	2,276.81	11	1,918.73	11	1,560.65	11	1,202.57	11	846.47	11	489.09	11	158.32	11		11		11	
1/4	2,269.35	1/4	1,911.27	1/4	1,553.19	1/4	1,195.11	1/4	839.07	1/4	481.72	1/4	152.00	1/4		1/4		1/4	
1/2	2,261.89	1/2	1,903.81	1/2	1,545.73	1/2	1,187.65	1/2	831.67	1/2	474.34	1/2	145.68	1/2		1/2		1/2	
3/4	2,254.43	3/4	1,896.35	3/4	1,538.27	3/4	1,180.19	3/4	824.27	3/4	466.97	3/4	139.36	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/20/2019 CL
CALCULATED: 02/21/2019 CL
PRINTED: 02/23/2019 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2019

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



BARGE "MMLP 334"

1 STBD ULLAGE TABLE

10" HATCH GAUGE HEIGHT 17'-07 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30066"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	0	0	0	0	4,755.46	0	4,398.91	0	4,042.33	0	3,684.86	0	3,327.23	0	2,969.61
1/4		1/4		1/4		1/4	5,044.45	1/4	4,748.06	1/4	4,391.48	1/4	4,034.90	1/4	3,677.40	1/4	3,319.78	1/4	2,962.16
1/2		1/2		1/2		1/2	5,042.37	1/2	4,740.64	1/2	4,384.05	1/2	4,027.47	1/2	3,669.95	1/2	3,312.33	1/2	2,954.71
3/4		3/4		3/4		3/4	5,040.29	3/4	4,733.21	3/4	4,376.62	3/4	4,020.04	3/4	3,662.50	3/4	3,304.88	3/4	2,947.26
1	1	1	1	1	1	1	5,038.22	1	4,725.78	1	4,369.20	1	4,012.61	1	3,655.05	1	3,297.43	1	2,939.81
1/4		1/4		1/4		1/4	5,036.14	1/4	4,718.35	1/4	4,361.77	1/4	4,005.18	1/4	3,647.60	1/4	3,289.98	1/4	2,932.35
1/2		1/2		1/2		1/2	5,032.82	1/2	4,710.92	1/2	4,354.34	1/2	3,997.74	1/2	3,640.15	1/2	3,282.53	1/2	2,924.90
3/4		3/4		3/4		3/4	5,029.50	3/4	4,703.49	3/4	4,346.91	3/4	3,990.30	3/4	3,632.70	3/4	3,275.08	3/4	2,917.45
2	2	2	2	2	2	2	5,026.18	2	4,696.06	2	4,339.48	2	3,982.86	2	3,625.25	2	3,267.63	2	2,910.00
1/4		1/4		1/4		1/4	5,022.86	1/4	4,688.63	1/4	4,332.05	1/4	3,975.42	1/4	3,617.80	1/4	3,260.18	1/4	2,902.55
1/2		1/2		1/2		1/2	5,018.30	1/2	4,681.21	1/2	4,324.62	1/2	3,967.97	1/2	3,610.35	1/2	3,252.73	1/2	2,895.10
3/4		3/4		3/4		3/4	5,013.73	3/4	4,673.78	3/4	4,317.19	3/4	3,960.52	3/4	3,602.90	3/4	3,245.28	3/4	2,887.65
3	3	3	3	3	3	3	5,009.17	3	4,666.35	3	4,309.77	3	3,953.07	3	3,595.45	3	3,237.83	3	2,880.20
1/4		1/4		1/4		1/4	5,004.61	1/4	4,658.92	1/4	4,302.34	1/4	3,945.62	1/4	3,588.00	1/4	3,230.37	1/4	2,872.75
1/2		1/2		1/2		1/2	4,998.80	1/2	4,651.49	1/2	4,294.91	1/2	3,938.17	1/2	3,580.55	1/2	3,222.92	1/2	2,865.30
3/4		3/4		3/4		3/4	4,993.00	3/4	4,644.06	3/4	4,287.48	3/4	3,930.72	3/4	3,573.10	3/4	3,215.47	3/4	2,857.85
4	4	4	4	4	4	4	4,987.19	4	4,636.63	4	4,280.05	4	3,923.27	4	3,565.65	4	3,208.02	4	2,850.40
1/4		1/4		1/4		1/4	4,981.39	1/4	4,629.20	1/4	4,272.62	1/4	3,915.82	1/4	3,558.20	1/4	3,200.57	1/4	2,842.95
1/2		1/2		1/2		1/2	4,974.53	1/2	4,621.77	1/2	4,265.19	1/2	3,908.37	1/2	3,550.75	1/2	3,193.12	1/2	2,835.50
3/4		3/4		3/4		3/4	4,967.68	3/4	4,614.35	3/4	4,257.76	3/4	3,900.92	3/4	3,543.30	3/4	3,185.67	3/4	2,828.05
5	5	5	5	5	5	5	4,960.82	5	4,606.92	5	4,250.33	5	3,893.47	5	3,535.85	5	3,178.22	5	2,820.60
1/4		1/4		1/4		1/4	4,953.97	1/4	4,599.49	1/4	4,242.91	1/4	3,886.02	1/4	3,528.39	1/4	3,170.77	1/4	2,813.15
1/2		1/2		1/2		1/2	4,946.65	1/2	4,592.06	1/2	4,235.48	1/2	3,878.57	1/2	3,520.94	1/2	3,163.32	1/2	2,805.70
3/4		3/4		3/4		3/4	4,939.34	3/4	4,584.63	3/4	4,228.05	3/4	3,871.12	3/4	3,513.49	3/4	3,155.87	3/4	2,798.25
6	6	6	6	6	6	6	4,932.02	6	4,577.20	6	4,220.62	6	3,863.67	6	3,506.04	6	3,148.42	6	2,790.80
1/4		1/4		1/4		1/4	4,924.71	1/4	4,569.77	1/4	4,213.19	1/4	3,856.22	1/4	3,498.59	1/4	3,140.97	1/4	2,783.34
1/2		1/2		1/2		1/2	4,917.36	1/2	4,562.34	1/2	4,205.76	1/2	3,848.77	1/2	3,491.14	1/2	3,133.52	1/2	2,775.89
3/4		3/4		3/4		3/4	4,910.01	3/4	4,554.92	3/4	4,198.33	3/4	3,841.32	3/4	3,483.69	3/4	3,126.07	3/4	2,768.44
7	7	7	7	7	7	7	4,902.66	7	4,547.49	7	4,190.90	7	3,833.87	7	3,476.24	7	3,118.62	7	2,760.99
1/4		1/4		1/4		1/4	4,895.32	1/4	4,540.06	1/4	4,183.48	1/4	3,826.41	1/4	3,468.79	1/4	3,111.17	1/4	2,753.54
1/2		1/2		1/2		1/2	4,887.96	1/2	4,532.63	1/2	4,176.05	1/2	3,818.96	1/2	3,461.34	1/2	3,103.72	1/2	2,746.09
3/4		3/4		3/4		3/4	4,880.61	3/4	4,525.20	3/4	4,168.62	3/4	3,811.51	3/4	3,453.89	3/4	3,096.27	3/4	2,738.64
8	8	8	8	8	8	8	4,873.25	8	4,517.77	8	4,161.19	8	3,804.06	8	3,446.44	8	3,088.82	8	2,731.19
1/4		1/4		1/4		1/4	4,865.90	1/4	4,510.34	1/4	4,153.76	1/4	3,796.61	1/4	3,438.99	1/4	3,081.36	1/4	2,723.74
1/2		1/2		1/2		1/2	4,858.54	1/2	4,502.91	1/2	4,146.33	1/2	3,789.16	1/2	3,431.54	1/2	3,073.91	1/2	2,716.29
3/4		3/4		3/4		3/4	4,851.18	3/4	4,495.49	3/4	4,138.90	3/4	3,781.71	3/4	3,424.09	3/4	3,066.46	3/4	2,708.84
9	9	9	9	9	9	9	4,843.83	9	4,488.06	9	4,131.47	9	3,774.26	9	3,416.64	9	3,059.01	9	2,701.39
1/4		1/4		1/4		1/4	4,836.47	1/4	4,480.63	1/4	4,124.05	1/4	3,766.81	1/4	3,409.19	1/4	3,051.56	1/4	2,693.94
1/2		1/2		1/2		1/2	4,829.12	1/2	4,473.20	1/2	4,116.62	1/2	3,759.36	1/2	3,401.74	1/2	3,044.11	1/2	2,686.49
3/4		3/4		3/4		3/4	4,821.76	3/4	4,465.77	3/4	4,109.19	3/4	3,751.91	3/4	3,394.29	3/4	3,036.66	3/4	2,679.04
10	10	10	10	10	10	10	4,814.41	10	4,458.34	10	4,101.76	10	3,744.46	10	3,386.84	10	3,029.21	10	2,671.59
1/4		1/4		1/4		1/4	4,807.05	1/4	4,450.91	1/4	4,094.33	1/4	3,737.01	1/4	3,379.38	1/4	3,021.76	1/4	2,664.14
1/2		1/2		1/2		1/2	4,799.70	1/2	4,443.48	1/2	4,086.90	1/2	3,729.56	1/2	3,371.93	1/2	3,014.31	1/2	2,656.69
3/4		3/4		3/4		3/4	4,792.34	3/4	4,436.05	3/4	4,079.47	3/4	3,722.11	3/4	3,364.48	3/4	3,006.86	3/4	2,649.24
11	11	11	11	11	11	11	4,784.99	11	4,428.63	11	4,072.04	11	3,714.66	11	3,357.03	11	2,999.41	11	2,641.79
1/4		1/4		1/4		1/4	4,777.63	1/4	4,421.20	1/4	4,064.61	1/4	3,707.21	1/4	3,349.58	1/4	2,991.96	1/4	2,634.33
1/2		1/2		1/2		1/2	4,770.24	1/2	4,413.77	1/2	4,057.19	1/2	3,699.76	1/2	3,342.13	1/2	2,984.51	1/2	2,626.88
3/4		3/4		3/4		3/4	4,762.85	3/4	4,406.34	3/4	4,049.76	3/4	3,692.31	3/4	3,334.68	3/4	2,977.06	3/4	2,619.43

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME
 GAUGE POINT: (10" HATCH) LOCATED 3'-00" OFF CENTERLINE AND 3'-00" FORWARD OF AFT BULKHEAD

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



BARGE "MMLP 334"

1 STBD

ULLAGE TABLE

10" HATCH

GAUGE HEIGHT 17'-07 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30066"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,611.98	0	2,254.26	0	1,896.54	0	1,538.82	0	1,181.09	0	823.82	0	466.49	0	139.21	0		0	
1/4	2,604.53	1/4	2,246.81	1/4	1,889.09	1/4	1,531.36	1/4	1,173.64	1/4	816.38	1/4	459.12	1/4	132.89	1/4		1/4	
1/2	2,597.08	1/2	2,239.36	1/2	1,881.63	1/2	1,523.91	1/2	1,166.19	1/2	808.94	1/2	451.85	1/2	126.67	1/2		1/2	
3/4	2,589.63	3/4	2,231.91	3/4	1,874.18	3/4	1,516.46	3/4	1,158.73	3/4	801.49	3/4	444.57	3/4	120.44	3/4		3/4	
1	2,582.18	1	2,224.45	1	1,866.73	1	1,509.00	1	1,151.28	1	794.05	1	437.29	1	114.21	1		1	
1/4	2,574.73	1/4	2,217.00	1/4	1,859.28	1/4	1,501.55	1/4	1,143.83	1/4	786.60	1/4	430.01	1/4	107.98	1/4		1/4	
1/2	2,567.27	1/2	2,209.55	1/2	1,851.82	1/2	1,494.10	1/2	1,136.37	1/2	779.15	1/2	422.82	1/2	101.85	1/2		1/2	
3/4	2,559.82	3/4	2,202.10	3/4	1,844.37	3/4	1,486.65	3/4	1,128.92	3/4	771.70	3/4	415.63	3/4	95.72	3/4		3/4	
2	2,552.37	2	2,194.64	2	1,836.92	2	1,479.19	2	1,121.47	2	764.24	2	408.44	2	89.58	2		2	
1/4	2,544.92	1/4	2,187.19	1/4	1,829.47	1/4	1,471.74	1/4	1,114.02	1/4	756.79	1/4	401.25	1/4	83.45	1/4		1/4	
1/2	2,537.46	1/2	2,179.74	1/2	1,822.01	1/2	1,464.29	1/2	1,106.57	1/2	749.34	1/2	394.15	1/2	77.42	1/2		1/2	
3/4	2,530.01	3/4	2,172.29	3/4	1,814.56	3/4	1,456.84	3/4	1,099.12	3/4	741.88	3/4	387.05	3/4	71.39	3/4		3/4	
3	2,522.56	3	2,164.83	3	1,807.11	3	1,449.38	3	1,091.67	3	734.43	3	379.94	3	65.36	3		3	
1/4	2,515.11	1/4	2,157.38	1/4	1,799.66	1/4	1,441.93	1/4	1,084.22	1/4	726.98	1/4	372.84	1/4	59.33	1/4		1/4	
1/2	2,507.65	1/2	2,149.93	1/2	1,792.20	1/2	1,434.48	1/2	1,076.77	1/2	719.53	1/2	365.83	1/2	53.85	1/2		1/2	
3/4	2,500.20	3/4	2,142.48	3/4	1,784.75	3/4	1,427.03	3/4	1,069.32	3/4	712.07	3/4	358.81	3/4	48.37	3/4		3/4	
4	2,492.75	4	2,135.02	4	1,777.30	4	1,419.57	4	1,061.88	4	704.62	4	351.80	4	42.89	4		4	
1/4	2,485.30	1/4	2,127.57	1/4	1,769.85	1/4	1,412.12	1/4	1,054.43	1/4	697.17	1/4	344.78	1/4	37.41	1/4		1/4	
1/2	2,477.84	1/2	2,120.12	1/2	1,762.39	1/2	1,404.67	1/2	1,046.99	1/2	689.72	1/2	337.85	1/2	33.39	1/2		1/2	
3/4	2,470.39	3/4	2,112.67	3/4	1,754.94	3/4	1,397.22	3/4	1,039.54	3/4	682.26	3/4	330.93	3/4	29.38	3/4		3/4	
5	2,462.94	5	2,105.21	5	1,747.49	5	1,389.76	5	1,032.10	5	674.81	5	324.00	5	25.36	5		5	
1/4	2,455.48	1/4	2,097.76	1/4	1,740.04	1/4	1,382.31	1/4	1,024.66	1/4	667.36	1/4	317.07	1/4	21.35	1/4		1/4	
1/2	2,448.03	1/2	2,090.31	1/2	1,732.58	1/2	1,374.86	1/2	1,017.22	1/2	659.91	1/2	310.23	1/2	18.43	1/2		1/2	
3/4	2,440.58	3/4	2,082.85	3/4	1,725.13	3/4	1,367.41	3/4	1,009.78	3/4	652.45	3/4	303.39	3/4	15.52	3/4		3/4	
6	2,433.13	6	2,075.40	6	1,717.68	6	1,359.95	6	1,002.34	6	645.00	6	296.55	6	12.60	6		6	
1/4	2,425.67	1/4	2,067.95	1/4	1,710.22	1/4	1,352.50	1/4	994.90	1/4	637.55	1/4	289.71	1/4	9.68	1/4		1/4	
1/2	2,418.22	1/2	2,060.50	1/2	1,702.77	1/2	1,345.05	1/2	987.47	1/2	630.10	1/2	282.96	1/2	7.82	1/2		1/2	
3/4	2,410.77	3/4	2,053.04	3/4	1,695.32	3/4	1,337.59	3/4	980.03	3/4	622.64	3/4	276.20	3/4	5.96	3/4		3/4	
7	2,403.32	7	2,045.59	7	1,687.87	7	1,330.14	7	972.59	7	615.19	7	269.45	7	4.09	7		7	
1/4	2,395.86	1/4	2,038.14	1/4	1,680.41	1/4	1,322.69	1/4	965.15	1/4	607.74	1/4	262.70	1/4	2.23	1/4		1/4	
1/2	2,388.41	1/2	2,030.69	1/2	1,672.96	1/2	1,315.24	1/2	957.71	1/2	600.29	1/2	256.03	1/2		1/2		1/2	
3/4	2,380.96	3/4	2,023.23	3/4	1,665.51	3/4	1,307.78	3/4	950.27	3/4	592.83	3/4	249.37	3/4		3/4		3/4	
8	2,373.51	8	2,015.78	8	1,658.06	8	1,300.33	8	942.84	8	585.38	8	242.70	8		8		8	
1/4	2,366.05	1/4	2,008.33	1/4	1,650.60	1/4	1,292.88	1/4	935.40	1/4	577.93	1/4	236.04	1/4		1/4		1/4	
1/2	2,358.60	1/2	2,000.88	1/2	1,643.15	1/2	1,285.43	1/2	927.96	1/2	570.48	1/2	229.46	1/2		1/2		1/2	
3/4	2,351.15	3/4	1,993.42	3/4	1,635.70	3/4	1,277.97	3/4	920.52	3/4	563.02	3/4	222.88	3/4		3/4		3/4	
9	2,343.70	9	1,985.97	9	1,628.25	9	1,270.52	9	913.08	9	555.57	9	216.30	9		9		9	
1/4	2,336.24	1/4	1,978.52	1/4	1,620.79	1/4	1,263.07	1/4	905.64	1/4	548.12	1/4	209.73	1/4		1/4		1/4	
1/2	2,328.79	1/2	1,971.07	1/2	1,613.34	1/2	1,255.62	1/2	898.20	1/2	540.66	1/2	203.24	1/2		1/2		1/2	
3/4	2,321.34	3/4	1,963.61	3/4	1,605.89	3/4	1,248.16	3/4	890.77	3/4	533.21	3/4	196.75	3/4		3/4		3/4	
10	2,313.89	10	1,956.16	10	1,598.44	10	1,240.71	10	883.33	10	525.76	10	190.26	10		10		10	
1/4	2,306.43	1/4	1,948.71	1/4	1,590.98	1/4	1,233.26	1/4	875.89	1/4	518.31	1/4	183.77	1/4		1/4		1/4	
1/2	2,298.98	1/2	1,941.26	1/2	1,583.53	1/2	1,225.81	1/2	868.45	1/2	510.88	1/2	177.36	1/2		1/2		1/2	
3/4	2,291.53	3/4	1,933.80	3/4	1,576.08	3/4	1,218.35	3/4	861.01	3/4	503.45	3/4	170.96	3/4		3/4		3/4	
11	2,284.08	11	1,926.35	11	1,568.63	11	1,210.90	11	853.57	11	496.01	11	164.56	11		11		11	
1/4	2,276.62	1/4	1,918.90	1/4	1,561.17	1/4	1,203.45	1/4	846.14	1/4	488.58	1/4	158.15	1/4		1/4		1/4	
1/2	2,269.17	1/2	1,911.45	1/2	1,553.72	1/2	1,196.00	1/2	838.70	1/2	481.22	1/2	151.84	1/2		1/2		1/2	
3/4	2,261.72	3/4	1,903.99	3/4	1,546.27	3/4	1,188.54	3/4	831.26	3/4	473.85	3/4	145.52	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/20/2019 CL
CALCULATED: 02/21/2019 CL
PRINTED: 02/23/2019 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "MMLP 334"

2 PORT ULLAGE TABLE

10" HATCH

GAUGE HEIGHT 17'-07 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30066"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	0	0	0	0	4,820.50	0	4,462.72	0	4,104.91	0	3,746.23	0	3,387.37	0	3,028.51
1/4		1/4		1/4		1/4	5,110.80	1/4	4,813.08	1/4	4,455.27	1/4	4,097.46	1/4	3,738.75	1/4	3,379.89	1/4	3,021.04
1/2		1/2		1/2		1/2	5,108.71	1/2	4,805.63	1/2	4,447.82	1/2	4,090.00	1/2	3,731.27	1/2	3,372.42	1/2	3,013.56
3/4		3/4		3/4		3/4	5,106.62	3/4	4,798.17	3/4	4,440.36	3/4	4,082.55	3/4	3,723.80	3/4	3,364.94	3/4	3,006.08
1	1	1	1	1	1	1	5,104.52	1	4,790.72	1	4,432.91	1	4,075.10	1	3,716.32	1	3,357.46	1	2,998.61
1/4		1/4		1/4		1/4	5,102.43	1/4	4,783.26	1/4	4,425.45	1/4	4,067.64	1/4	3,708.85	1/4	3,349.99	1/4	2,991.13
1/2		1/2		1/2		1/2	5,099.09	1/2	4,775.81	1/2	4,418.00	1/2	4,060.18	1/2	3,701.37	1/2	3,342.51	1/2	2,983.65
3/4		3/4		3/4		3/4	5,095.75	3/4	4,768.35	3/4	4,410.54	3/4	4,052.72	3/4	3,693.89	3/4	3,335.04	3/4	2,976.18
2	2	2	2	2	2	2	5,092.41	2	4,760.90	2	4,403.09	2	4,045.26	2	3,686.42	2	3,327.56	2	2,968.70
1/4		1/4		1/4		1/4	5,089.08	1/4	4,753.45	1/4	4,395.63	1/4	4,037.80	1/4	3,678.94	1/4	3,320.08	1/4	2,961.23
1/2		1/2		1/2		1/2	5,084.49	1/2	4,745.99	1/2	4,388.18	1/2	4,030.32	1/2	3,671.46	1/2	3,312.61	1/2	2,953.75
3/4		3/4		3/4		3/4	5,079.91	3/4	4,738.54	3/4	4,380.73	3/4	4,022.85	3/4	3,663.99	3/4	3,305.13	3/4	2,946.27
3	3	3	3	3	3	3	5,075.32	3	4,731.08	3	4,373.27	3	4,015.37	3	3,656.51	3	3,297.65	3	2,938.80
1/4		1/4		1/4		1/4	5,070.74	1/4	4,723.63	1/4	4,365.82	1/4	4,007.89	1/4	3,649.04	1/4	3,290.18	1/4	2,931.32
1/2		1/2		1/2		1/2	5,064.91	1/2	4,716.17	1/2	4,358.36	1/2	4,000.42	1/2	3,641.56	1/2	3,282.70	1/2	2,923.84
3/4		3/4		3/4		3/4	5,059.08	3/4	4,708.72	3/4	4,350.91	3/4	3,992.94	3/4	3,634.08	3/4	3,275.23	3/4	2,916.37
4	4	4	4	4	4	4	5,053.25	4	4,701.26	4	4,343.45	4	3,985.47	4	3,626.61	4	3,267.75	4	2,908.89
1/4		1/4		1/4		1/4	5,047.42	1/4	4,693.81	1/4	4,336.00	1/4	3,977.99	1/4	3,619.13	1/4	3,260.27	1/4	2,901.42
1/2		1/2		1/2		1/2	5,040.53	1/2	4,686.36	1/2	4,328.54	1/2	3,970.51	1/2	3,611.66	1/2	3,252.80	1/2	2,893.94
3/4		3/4		3/4		3/4	5,033.64	3/4	4,678.90	3/4	4,321.09	3/4	3,963.04	3/4	3,604.18	3/4	3,245.32	3/4	2,886.46
5	5	5	5	5	5	5	5,026.76	5	4,671.45	5	4,313.64	5	3,955.56	5	3,596.70	5	3,237.85	5	2,878.99
1/4		1/4		1/4		1/4	5,019.87	1/4	4,663.99	1/4	4,306.18	1/4	3,948.08	1/4	3,589.23	1/4	3,230.37	1/4	2,871.51
1/2		1/2		1/2		1/2	5,012.53	1/2	4,656.54	1/2	4,298.73	1/2	3,940.61	1/2	3,581.75	1/2	3,222.89	1/2	2,864.04
3/4		3/4		3/4		3/4	5,005.18	3/4	4,649.08	3/4	4,291.27	3/4	3,933.13	3/4	3,574.27	3/4	3,215.42	3/4	2,856.56
6	6	6	6	6	6	6	4,997.84	6	4,641.63	6	4,283.82	6	3,925.66	6	3,566.80	6	3,207.94	6	2,849.08
1/4		1/4		1/4		1/4	4,990.49	1/4	4,634.18	1/4	4,276.36	1/4	3,918.18	1/4	3,559.32	1/4	3,200.46	1/4	2,841.61
1/2		1/2		1/2		1/2	4,983.11	1/2	4,626.72	1/2	4,268.91	1/2	3,910.70	1/2	3,551.85	1/2	3,192.99	1/2	2,834.13
3/4		3/4		3/4		3/4	4,975.73	3/4	4,619.27	3/4	4,261.46	3/4	3,903.23	3/4	3,544.37	3/4	3,185.51	3/4	2,826.65
7	7	7	7	7	7	7	4,968.35	7	4,611.81	7	4,254.00	7	3,895.75	7	3,536.89	7	3,178.04	7	2,819.18
1/4		1/4		1/4		1/4	4,960.97	1/4	4,604.36	1/4	4,246.55	1/4	3,888.27	1/4	3,529.42	1/4	3,170.56	1/4	2,811.70
1/2		1/2		1/2		1/2	4,953.59	1/2	4,596.90	1/2	4,239.09	1/2	3,880.80	1/2	3,521.94	1/2	3,163.08	1/2	2,804.23
3/4		3/4		3/4		3/4	4,946.20	3/4	4,589.45	3/4	4,231.64	3/4	3,873.32	3/4	3,514.46	3/4	3,155.61	3/4	2,796.75
8	8	8	8	8	8	8	4,938.82	8	4,581.99	8	4,224.18	8	3,865.85	8	3,506.99	8	3,148.13	8	2,789.27
1/4		1/4		1/4		1/4	4,931.43	1/4	4,574.54	1/4	4,216.73	1/4	3,858.37	1/4	3,499.51	1/4	3,140.65	1/4	2,781.80
1/2		1/2		1/2		1/2	4,924.04	1/2	4,567.09	1/2	4,209.27	1/2	3,850.89	1/2	3,492.04	1/2	3,133.18	1/2	2,774.32
3/4		3/4		3/4		3/4	4,916.65	3/4	4,559.63	3/4	4,201.82	3/4	3,843.42	3/4	3,484.56	3/4	3,125.70	3/4	2,766.84
9	9	9	9	9	9	9	4,909.26	9	4,552.18	9	4,194.37	9	3,835.94	9	3,477.08	9	3,118.23	9	2,759.37
1/4		1/4		1/4		1/4	4,901.88	1/4	4,544.72	1/4	4,186.91	1/4	3,828.46	1/4	3,469.61	1/4	3,110.75	1/4	2,751.89
1/2		1/2		1/2		1/2	4,894.49	1/2	4,537.27	1/2	4,179.46	1/2	3,820.99	1/2	3,462.13	1/2	3,103.27	1/2	2,744.42
3/4		3/4		3/4		3/4	4,887.10	3/4	4,529.81	3/4	4,172.00	3/4	3,813.51	3/4	3,454.65	3/4	3,095.80	3/4	2,736.94
10	10	10	10	10	10	10	4,879.71	10	4,522.36	10	4,164.55	10	3,806.04	10	3,447.18	10	3,088.32	10	2,729.46
1/4		1/4		1/4		1/4	4,872.32	1/4	4,514.90	1/4	4,157.09	1/4	3,798.56	1/4	3,439.70	1/4	3,080.84	1/4	2,721.99
1/2		1/2		1/2		1/2	4,864.94	1/2	4,507.45	1/2	4,149.64	1/2	3,791.08	1/2	3,432.23	1/2	3,073.37	1/2	2,714.51
3/4		3/4		3/4		3/4	4,857.55	3/4	4,500.00	3/4	4,142.18	3/4	3,783.61	3/4	3,424.75	3/4	3,065.89	3/4	2,707.03
11	11	11	11	11	11	11	4,850.16	11	4,492.54	11	4,134.73	11	3,776.13	11	3,417.27	11	3,058.42	11	2,699.56
1/4		1/4		1/4		1/4	4,842.77	1/4	4,485.09	1/4	4,127.28	1/4	3,768.66	1/4	3,409.80	1/4	3,050.94	1/4	2,692.08
1/2		1/2		1/2		1/2	4,835.35	1/2	4,477.63	1/2	4,119.82	1/2	3,761.18	1/2	3,402.32	1/2	3,043.46	1/2	2,684.61
3/4		3/4		3/4		3/4	4,827.93	3/4	4,470.18	3/4	4,112.37	3/4	3,753.70	3/4	3,394.85	3/4	3,035.99	3/4	2,677.13

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME
 GAUGE POINT: (10" HATCH) LOCATED 3'-00" OFF CENTERLINE AND 3'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "MMLP 334"

2 PORT ULLAGE TABLE 10" HATCH

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30066"

GAUGE HEIGHT 17'-07 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	2,669.65	0	2,310.80	0	1,951.94	0	1,593.08	0	1,234.22	0	887.78	0	530.98	0	172.12	0		0	
1/4	2,662.18	1/4	2,303.32	1/4	1,944.46	1/4	1,585.60	1/4	1,226.75	1/4	880.61	1/4	523.50	1/4	164.64	1/4		1/4	
1/2	2,654.70	1/2	2,295.84	1/2	1,936.99	1/2	1,578.13	1/2	1,219.27	1/2	873.43	1/2	516.03	1/2	157.17	1/2		1/2	
3/4	2,647.23	3/4	2,288.37	3/4	1,929.51	3/4	1,570.65	3/4	1,211.79	3/4	866.25	3/4	508.55	3/4	149.69	3/4		3/4	
1	2,639.75	1	2,280.89	1	1,922.03	1	1,563.18	1	1,204.32	1	859.07	1	501.07	1	142.22	1		1	
1/4	2,632.27	1/4	2,273.42	1/4	1,914.56	1/4	1,555.70	1/4	1,196.84	1/4	851.88	1/4	493.60	1/4	134.74	1/4		1/4	
1/2	2,624.80	1/2	2,265.94	1/2	1,907.08	1/2	1,548.22	1/2	1,189.51	1/2	844.55	1/2	486.12	1/2	127.27	1/2		1/2	
3/4	2,617.32	3/4	2,258.46	3/4	1,899.61	3/4	1,540.75	3/4	1,182.17	3/4	837.22	3/4	478.64	3/4	119.80	3/4		3/4	
2	2,609.84	2	2,250.99	2	1,892.13	2	1,533.27	2	1,174.84	2	829.88	2	471.17	2	112.33	2		2	
1/4	2,602.37	1/4	2,243.51	1/4	1,884.65	1/4	1,525.80	1/4	1,167.50	1/4	822.55	1/4	463.69	1/4	104.86	1/4		1/4	
1/2	2,594.89	1/2	2,236.03	1/2	1,877.18	1/2	1,518.32	1/2	1,160.32	1/2	815.07	1/2	456.22	1/2	97.41	1/2		1/2	
3/4	2,587.42	3/4	2,228.56	3/4	1,869.70	3/4	1,510.84	3/4	1,153.13	3/4	807.60	3/4	448.74	3/4	89.96	3/4		3/4	
3	2,579.94	3	2,221.08	3	1,862.22	3	1,503.37	3	1,145.95	3	800.12	3	441.26	3	82.50	3		3	
1/4	2,572.46	1/4	2,213.61	1/4	1,854.75	1/4	1,495.89	1/4	1,138.76	1/4	792.64	1/4	433.79	1/4	75.05	1/4		1/4	
1/2	2,564.99	1/2	2,206.13	1/2	1,847.27	1/2	1,488.41	1/2	1,131.58	1/2	785.17	1/2	426.31	1/2	68.06	1/2		1/2	
3/4	2,557.51	3/4	2,198.65	3/4	1,839.80	3/4	1,480.94	3/4	1,124.40	3/4	777.69	3/4	418.83	3/4	61.07	3/4		3/4	
4	2,550.03	4	2,191.18	4	1,832.32	4	1,473.46	4	1,117.23	4	770.22	4	411.36	4	54.08	4		4	
1/4	2,542.56	1/4	2,183.70	1/4	1,824.84	1/4	1,465.99	1/4	1,110.05	1/4	762.74	1/4	403.88	1/4	47.09	1/4		1/4	
1/2	2,535.08	1/2	2,176.22	1/2	1,817.37	1/2	1,458.51	1/2	1,102.87	1/2	755.26	1/2	396.41	1/2	41.48	1/2		1/2	
3/4	2,527.61	3/4	2,168.75	3/4	1,809.89	3/4	1,451.03	3/4	1,095.70	3/4	747.79	3/4	388.93	3/4	35.88	3/4		3/4	
5	2,520.13	5	2,161.27	5	1,802.41	5	1,443.56	5	1,088.53	5	740.31	5	381.45	5	30.27	5		5	
1/4	2,512.65	1/4	2,153.80	1/4	1,794.94	1/4	1,436.08	1/4	1,081.35	1/4	732.83	1/4	373.98	1/4	24.66	1/4		1/4	
1/2	2,505.18	1/2	2,146.32	1/2	1,787.46	1/2	1,428.60	1/2	1,074.19	1/2	725.36	1/2	366.50	1/2	20.93	1/2		1/2	
3/4	2,497.70	3/4	2,138.84	3/4	1,779.99	3/4	1,421.13	3/4	1,067.02	3/4	717.88	3/4	359.02	3/4	17.19	3/4		3/4	
6	2,490.23	6	2,131.37	6	1,772.51	6	1,413.65	6	1,059.85	6	710.41	6	351.55	6	13.45	6		6	
1/4	2,482.75	1/4	2,123.89	1/4	1,765.03	1/4	1,406.18	1/4	1,052.68	1/4	702.93	1/4	344.07	1/4	9.71	1/4		1/4	
1/2	2,475.27	1/2	2,116.42	1/2	1,757.56	1/2	1,398.70	1/2	1,045.51	1/2	695.45	1/2	336.60	1/2	7.84	1/2		1/2	
3/4	2,467.80	3/4	2,108.94	3/4	1,750.08	3/4	1,391.22	3/4	1,038.34	3/4	687.98	3/4	329.12	3/4	5.98	3/4		3/4	
7	2,460.32	7	2,101.46	7	1,742.61	7	1,383.75	7	1,031.17	7	680.50	7	321.64	7	4.11	7		7	
1/4	2,452.84	1/4	2,093.99	1/4	1,735.13	1/4	1,376.27	1/4	1,024.00	1/4	673.03	1/4	314.17	1/4	2.23	1/4		1/4	
1/2	2,445.37	1/2	2,086.51	1/2	1,727.65	1/2	1,368.80	1/2	1,016.83	1/2	665.55	1/2	306.69	1/2		1/2		1/2	
3/4	2,437.89	3/4	2,079.03	3/4	1,720.18	3/4	1,361.32	3/4	1,009.66	3/4	658.07	3/4	299.22	3/4		3/4		3/4	
8	2,430.42	8	2,071.56	8	1,712.70	8	1,353.84	8	1,002.49	8	650.60	8	291.74	8		8		8	
1/4	2,422.94	1/4	2,064.08	1/4	1,705.22	1/4	1,346.37	1/4	995.32	1/4	643.12	1/4	284.26	1/4		1/4		1/4	
1/2	2,415.46	1/2	2,056.61	1/2	1,697.75	1/2	1,338.89	1/2	988.15	1/2	635.64	1/2	276.79	1/2		1/2		1/2	
3/4	2,407.99	3/4	2,049.13	3/4	1,690.27	3/4	1,331.41	3/4	980.98	3/4	628.17	3/4	269.31	3/4		3/4		3/4	
9	2,400.51	9	2,041.65	9	1,682.80	9	1,323.94	9	973.81	9	620.69	9	261.83	9		9		9	
1/4	2,393.03	1/4	2,034.18	1/4	1,675.32	1/4	1,316.46	1/4	966.64	1/4	613.22	1/4	254.36	1/4		1/4		1/4	
1/2	2,385.56	1/2	2,026.70	1/2	1,667.84	1/2	1,308.99	1/2	959.47	1/2	605.74	1/2	246.88	1/2		1/2		1/2	
3/4	2,378.08	3/4	2,019.22	3/4	1,660.37	3/4	1,301.51	3/4	952.31	3/4	598.26	3/4	239.41	3/4		3/4		3/4	
10	2,370.61	10	2,011.75	10	1,652.89	10	1,294.03	10	945.14	10	590.79	10	231.93	10		10		10	
1/4	2,363.13	1/4	2,004.27	1/4	1,645.41	1/4	1,286.56	1/4	937.97	1/4	583.31	1/4	224.45	1/4		1/4		1/4	
1/2	2,355.65	1/2	1,996.80	1/2	1,637.94	1/2	1,279.08	1/2	930.80	1/2	575.83	1/2	216.98	1/2		1/2		1/2	
3/4	2,348.18	3/4	1,989.32	3/4	1,630.46	3/4	1,271.60	3/4	923.63	3/4	568.36	3/4	209.50	3/4		3/4		3/4	
11	2,340.70	11	1,981.84	11	1,622.99	11	1,264.13	11	916.46	11	560.88	11	202.02	11		11		11	
1/4	2,333.22	1/4	1,974.37	1/4	1,615.51	1/4	1,256.65	1/4	909.29	1/4	553.41	1/4	194.55	1/4		1/4		1/4	
1/2	2,325.75	1/2	1,966.89	1/2	1,608.03	1/2	1,249.18	1/2	902.12	1/2	545.93	1/2	187.07	1/2		1/2		1/2	
3/4	2,318.27	3/4	1,959.41	3/4	1,600.56	3/4	1,241.70	3/4	894.95	3/4	538.45	3/4	179.60	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/20/2019 CL
CALCULATED: 02/21/2019 CL
PRINTED: 02/23/2019 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2019

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



BARGE "MMLP 334"

2 STBD ULLAGE TABLE

10" HATCH

GAUGE HEIGHT 17'-07"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30066"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	0	0	5,129.39	0	4,831.71	0	4,473.61	0	4,115.51	0	3,756.50	0	3,397.35	0	3,038.20
1/4		1/4		1/4		1/4	5,127.30	1/4	4,824.25	1/4	4,466.15	1/4	4,108.05	1/4	3,749.02	1/4	3,389.87	1/4	3,030.72
1/2		1/2		1/2		1/2	5,125.22	1/2	4,816.79	1/2	4,458.69	1/2	4,100.58	1/2	3,741.54	1/2	3,382.38	1/2	3,023.23
3/4		3/4		3/4		3/4	5,123.13	3/4	4,809.33	3/4	4,451.23	3/4	4,093.12	3/4	3,734.05	3/4	3,374.90	3/4	3,015.75
1	1	1	1	1	1	1	5,121.04	1	4,801.87	1	4,443.77	1	4,085.66	1	3,726.57	1	3,367.42	1	3,008.27
1/4		1/4		1/4		1/4	5,117.71	1/4	4,794.41	1/4	4,436.31	1/4	4,078.20	1/4	3,719.09	1/4	3,359.94	1/4	3,000.79
1/2		1/2		1/2		1/2	5,114.37	1/2	4,786.95	1/2	4,428.85	1/2	4,070.73	1/2	3,711.61	1/2	3,352.46	1/2	2,993.31
3/4		3/4		3/4		3/4	5,111.04	3/4	4,779.49	3/4	4,421.39	3/4	4,063.26	3/4	3,704.12	3/4	3,344.97	3/4	2,985.82
2	2	2	2	2	2	2	5,107.70	2	4,772.03	2	4,413.93	2	4,055.79	2	3,696.64	2	3,337.49	2	2,978.34
1/4		1/4		1/4		1/4	5,103.12	1/4	4,764.57	1/4	4,406.47	1/4	4,048.31	1/4	3,689.16	1/4	3,330.01	1/4	2,970.86
1/2		1/2		1/2		1/2	5,098.54	1/2	4,757.11	1/2	4,399.00	1/2	4,040.83	1/2	3,681.68	1/2	3,322.53	1/2	2,963.38
3/4		3/4		3/4		3/4	5,093.96	3/4	4,749.65	3/4	4,391.54	3/4	4,033.35	3/4	3,674.19	3/4	3,315.04	3/4	2,955.89
3	3	3	3	3	3	3	5,089.37	3	4,742.19	3	4,384.08	3	4,025.86	3	3,666.71	3	3,307.56	3	2,948.41
1/4		1/4		1/4		1/4	5,083.54	1/4	4,734.73	1/4	4,376.62	1/4	4,018.38	1/4	3,659.23	1/4	3,300.08	1/4	2,940.93
1/2		1/2		1/2		1/2	5,077.71	1/2	4,727.27	1/2	4,369.16	1/2	4,010.90	1/2	3,651.75	1/2	3,292.60	1/2	2,933.45
3/4		3/4		3/4		3/4	5,071.89	3/4	4,719.81	3/4	4,361.70	3/4	4,003.42	3/4	3,644.27	3/4	3,285.12	3/4	2,925.96
4	4	4	4	4	4	4	5,066.06	4	4,712.35	4	4,354.24	4	3,995.93	4	3,636.78	4	3,277.63	4	2,918.48
1/4		1/4		1/4		1/4	5,059.17	1/4	4,704.89	1/4	4,346.78	1/4	3,988.45	1/4	3,629.30	1/4	3,270.15	1/4	2,911.00
1/2		1/2		1/2		1/2	5,052.28	1/2	4,697.43	1/2	4,339.32	1/2	3,980.97	1/2	3,621.82	1/2	3,262.67	1/2	2,903.52
3/4		3/4		3/4		3/4	5,045.40	3/4	4,689.96	3/4	4,331.86	3/4	3,973.49	3/4	3,614.34	3/4	3,255.19	3/4	2,896.04
5	5	5	5	5	5	5	5,038.51	5	4,682.50	5	4,324.40	5	3,966.00	5	3,606.85	5	3,247.70	5	2,888.55
1/4		1/4		1/4		1/4	5,031.17	1/4	4,675.04	1/4	4,316.94	1/4	3,958.52	1/4	3,599.37	1/4	3,240.22	1/4	2,881.07
1/2		1/2		1/2		1/2	5,023.82	1/2	4,667.58	1/2	4,309.48	1/2	3,951.04	1/2	3,591.89	1/2	3,232.74	1/2	2,873.59
3/4		3/4		3/4		3/4	5,016.47	3/4	4,660.12	3/4	4,302.02	3/4	3,943.56	3/4	3,584.41	3/4	3,225.26	3/4	2,866.11
6	6	6	6	6	6	6	5,009.13	6	4,652.66	6	4,294.56	6	3,936.08	6	3,576.92	6	3,217.77	6	2,858.62
1/4		1/4		1/4		1/4	5,001.75	1/4	4,645.20	1/4	4,287.10	1/4	3,928.59	1/4	3,569.44	1/4	3,210.29	1/4	2,851.14
1/2		1/2		1/2		1/2	4,994.37	1/2	4,637.74	1/2	4,279.64	1/2	3,921.11	1/2	3,561.96	1/2	3,202.81	1/2	2,843.66
3/4		3/4		3/4		3/4	4,986.99	3/4	4,630.28	3/4	4,272.18	3/4	3,913.63	3/4	3,554.48	3/4	3,195.33	3/4	2,836.18
7	7	7	7	7	7	7	4,979.61	7	4,622.82	7	4,264.72	7	3,906.15	7	3,547.00	7	3,187.85	7	2,828.69
1/4		1/4		1/4		1/4	4,972.22	1/4	4,615.36	1/4	4,257.26	1/4	3,898.66	1/4	3,539.51	1/4	3,180.36	1/4	2,821.21
1/2		1/2		1/2		1/2	4,964.83	1/2	4,607.90	1/2	4,249.79	1/2	3,891.18	1/2	3,532.03	1/2	3,172.88	1/2	2,813.73
3/4		3/4		3/4		3/4	4,957.44	3/4	4,600.44	3/4	4,242.33	3/4	3,883.70	3/4	3,524.55	3/4	3,165.40	3/4	2,806.25
8	8	8	8	8	8	8	4,950.05	8	4,592.98	8	4,234.87	8	3,876.22	8	3,517.07	8	3,157.92	8	2,798.77
1/4		1/4		1/4		1/4	4,942.67	1/4	4,585.52	1/4	4,227.41	1/4	3,868.73	1/4	3,509.58	1/4	3,150.43	1/4	2,791.28
1/2		1/2		1/2		1/2	4,935.28	1/2	4,578.06	1/2	4,219.95	1/2	3,861.25	1/2	3,502.10	1/2	3,142.95	1/2	2,783.80
3/4		3/4		3/4		3/4	4,927.89	3/4	4,570.60	3/4	4,212.49	3/4	3,853.77	3/4	3,494.62	3/4	3,135.47	3/4	2,776.32
9	9	9	9	9	9	9	4,920.50	9	4,563.14	9	4,205.03	9	3,846.29	9	3,487.14	9	3,127.99	9	2,768.84
1/4		1/4		1/4		1/4	4,913.12	1/4	4,555.68	1/4	4,197.57	1/4	3,838.81	1/4	3,479.65	1/4	3,120.50	1/4	2,761.35
1/2		1/2		1/2		1/2	4,905.73	1/2	4,548.22	1/2	4,190.11	1/2	3,831.32	1/2	3,472.17	1/2	3,113.02	1/2	2,753.87
3/4		3/4		3/4		3/4	4,898.34	3/4	4,540.75	3/4	4,182.65	3/4	3,823.84	3/4	3,464.69	3/4	3,105.54	3/4	2,746.39
10	10	10	10	10	10	10	4,890.96	10	4,533.29	10	4,175.19	10	3,816.36	10	3,457.21	10	3,098.06	10	2,738.91
1/4		1/4		1/4		1/4	4,883.57	1/4	4,525.83	1/4	4,167.73	1/4	3,808.88	1/4	3,449.73	1/4	3,090.58	1/4	2,731.42
1/2		1/2		1/2		1/2	4,876.18	1/2	4,518.37	1/2	4,160.27	1/2	3,801.39	1/2	3,442.24	1/2	3,083.09	1/2	2,723.94
3/4		3/4		3/4		3/4	4,868.80	3/4	4,510.91	3/4	4,152.81	3/4	3,793.91	3/4	3,434.76	3/4	3,075.61	3/4	2,716.46
11	11	11	11	11	11	11	4,861.41	11	4,503.45	11	4,145.35	11	3,786.43	11	3,427.28	11	3,068.13	11	2,708.98
1/4		1/4		1/4		1/4	4,853.99	1/4	4,495.99	1/4	4,137.89	1/4	3,778.95	1/4	3,419.80	1/4	3,060.65	1/4	2,701.50
1/2		1/2		1/2		1/2	4,846.56	1/2	4,488.53	1/2	4,130.43	1/2	3,771.46	1/2	3,412.31	1/2	3,053.16	1/2	2,694.01
3/4		3/4		3/4		3/4	4,839.14	3/4	4,481.07	3/4	4,122.97	3/4	3,763.98	3/4	3,404.83	3/4	3,045.68	3/4	2,686.53

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME
 GAUGE POINT: (10" HATCH) LOCATED 3'-00" OFF CENTERLINE AND 3'-00" FORWARD OF AFT BULKHEAD

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





BARGE "MMLP 334"

2 STBD

ULLAGE TABLE 10" HATCH

GAUGE HEIGHT 17'-07"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30066"

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	2,679.05	0	2,319.80	0	1,960.56	0	1,601.31	0	1,242.06	0	883.28	0	524.06	0	164.82	0		0	
1/4	2,671.56	1/4	2,312.32	1/4	1,953.07	1/4	1,593.82	1/4	1,234.58	1/4	875.81	1/4	516.58	1/4	157.33	1/4		1/4	
1/2	2,664.08	1/2	2,304.83	1/2	1,945.59	1/2	1,586.34	1/2	1,227.09	1/2	868.33	1/2	509.10	1/2	149.85	1/2		1/2	
3/4	2,656.60	3/4	2,297.35	3/4	1,938.10	3/4	1,578.86	3/4	1,219.61	3/4	860.85	3/4	501.61	3/4	142.37	3/4		3/4	
1	2,649.11	1	2,289.86	1	1,930.62	1	1,571.37	1	1,212.13	1	853.37	1	494.13	1	134.88	1		1	
1/4	2,641.63	1/4	2,282.38	1/4	1,923.13	1/4	1,563.89	1/4	1,204.64	1/4	845.89	1/4	486.64	1/4	127.41	1/4		1/4	
1/2	2,634.14	1/2	2,274.90	1/2	1,915.65	1/2	1,556.40	1/2	1,197.16	1/2	838.40	1/2	479.16	1/2	119.93	1/2		1/2	
3/4	2,626.66	3/4	2,267.41	3/4	1,908.17	3/4	1,548.92	3/4	1,189.67	3/4	830.92	3/4	471.67	3/4	112.45	3/4		3/4	
2	2,619.17	2	2,259.93	2	1,900.68	2	1,541.43	2	1,182.19	2	823.44	2	464.19	2	104.97	2		2	
1/4	2,611.69	1/4	2,252.44	1/4	1,893.20	1/4	1,533.95	1/4	1,174.71	1/4	815.95	1/4	456.71	1/4	97.51	1/4		1/4	
1/2	2,604.20	1/2	2,244.96	1/2	1,885.71	1/2	1,526.47	1/2	1,167.22	1/2	808.47	1/2	449.22	1/2	90.05	1/2		1/2	
3/4	2,596.72	3/4	2,237.47	3/4	1,878.23	3/4	1,518.98	3/4	1,159.74	3/4	800.98	3/4	441.74	3/4	82.59	3/4		3/4	
3	2,589.24	3	2,229.99	3	1,870.74	3	1,511.50	3	1,152.26	3	793.50	3	434.25	3	75.13	3		3	
1/4	2,581.75	1/4	2,222.51	1/4	1,863.26	1/4	1,504.01	1/4	1,144.78	1/4	786.01	1/4	426.77	1/4	68.13	1/4		1/4	
1/2	2,574.27	1/2	2,215.02	1/2	1,855.77	1/2	1,496.53	1/2	1,137.30	1/2	778.53	1/2	419.28	1/2	61.13	1/2		1/2	
3/4	2,566.78	3/4	2,207.54	3/4	1,848.29	3/4	1,489.04	3/4	1,129.83	3/4	771.05	3/4	411.80	3/4	54.13	3/4		3/4	
4	2,559.30	4	2,200.05	4	1,840.81	4	1,481.56	4	1,122.35	4	763.56	4	404.32	4	47.14	4		4	
1/4	2,551.81	1/4	2,192.57	1/4	1,833.32	1/4	1,474.08	1/4	1,114.87	1/4	756.08	1/4	396.83	1/4	41.52	1/4		1/4	
1/2	2,544.33	1/2	2,185.08	1/2	1,825.84	1/2	1,466.59	1/2	1,107.40	1/2	748.59	1/2	389.35	1/2	35.91	1/2		1/2	
3/4	2,536.85	3/4	2,177.60	3/4	1,818.35	3/4	1,459.11	3/4	1,099.92	3/4	741.11	3/4	381.86	3/4	30.30	3/4		3/4	
5	2,529.36	5	2,170.12	5	1,810.87	5	1,451.62	5	1,092.45	5	733.62	5	374.38	5	24.69	5		5	
1/4	2,521.88	1/4	2,162.63	1/4	1,803.38	1/4	1,444.14	1/4	1,084.98	1/4	726.14	1/4	366.89	1/4	20.94	1/4		1/4	
1/2	2,514.39	1/2	2,155.15	1/2	1,795.90	1/2	1,436.65	1/2	1,077.51	1/2	718.66	1/2	359.41	1/2	17.20	1/2		1/2	
3/4	2,506.91	3/4	2,147.66	3/4	1,788.42	3/4	1,429.17	3/4	1,070.04	3/4	711.17	3/4	351.93	3/4	13.46	3/4		3/4	
6	2,499.42	6	2,140.18	6	1,780.93	6	1,421.69	6	1,062.57	6	703.69	6	344.44	6	9.72	6		6	
1/4	2,491.94	1/4	2,132.69	1/4	1,773.45	1/4	1,414.20	1/4	1,055.10	1/4	696.20	1/4	336.96	1/4	7.85	1/4		1/4	
1/2	2,484.46	1/2	2,125.21	1/2	1,765.96	1/2	1,406.72	1/2	1,047.63	1/2	688.72	1/2	329.47	1/2	5.98	1/2		1/2	
3/4	2,476.97	3/4	2,117.73	3/4	1,758.48	3/4	1,399.23	3/4	1,040.16	3/4	681.23	3/4	321.99	3/4	4.10	3/4		3/4	
7	2,469.49	7	2,110.24	7	1,750.99	7	1,391.75	7	1,032.69	7	673.75	7	314.50	7	2.24	7		7	
1/4	2,462.00	1/4	2,102.76	1/4	1,743.51	1/4	1,384.26	1/4	1,025.22	1/4	666.27	1/4	307.02	1/4		1/4		1/4	
1/2	2,454.52	1/2	2,095.27	1/2	1,736.03	1/2	1,376.78	1/2	1,017.75	1/2	658.78	1/2	299.54	1/2		1/2		1/2	
3/4	2,447.03	3/4	2,087.79	3/4	1,728.54	3/4	1,369.30	3/4	1,010.28	3/4	651.30	3/4	292.05	3/4		3/4		3/4	
8	2,439.55	8	2,080.30	8	1,721.06	8	1,361.81	8	1,002.81	8	643.81	8	284.57	8		8		8	
1/4	2,432.07	1/4	2,072.82	1/4	1,713.57	1/4	1,354.33	1/4	995.34	1/4	636.33	1/4	277.08	1/4		1/4		1/4	
1/2	2,424.58	1/2	2,065.34	1/2	1,706.09	1/2	1,346.84	1/2	987.87	1/2	628.84	1/2	269.60	1/2		1/2		1/2	
3/4	2,417.10	3/4	2,057.85	3/4	1,698.60	3/4	1,339.36	3/4	980.40	3/4	621.36	3/4	262.11	3/4		3/4		3/4	
9	2,409.61	9	2,050.37	9	1,691.12	9	1,331.87	9	972.93	9	613.88	9	254.63	9		9		9	
1/4	2,402.13	1/4	2,042.88	1/4	1,683.64	1/4	1,324.39	1/4	965.46	1/4	606.39	1/4	247.15	1/4		1/4		1/4	
1/2	2,394.64	1/2	2,035.40	1/2	1,676.15	1/2	1,316.91	1/2	957.99	1/2	598.91	1/2	239.66	1/2		1/2		1/2	
3/4	2,387.16	3/4	2,027.91	3/4	1,668.67	3/4	1,309.42	3/4	950.52	3/4	591.42	3/4	232.18	3/4		3/4		3/4	
10	2,379.68	10	2,020.43	10	1,661.18	10	1,301.94	10	943.05	10	583.94	10	224.69	10		10		10	
1/4	2,372.19	1/4	2,012.95	1/4	1,653.70	1/4	1,294.45	1/4	935.58	1/4	576.45	1/4	217.21	1/4		1/4		1/4	
1/2	2,364.71	1/2	2,005.46	1/2	1,646.21	1/2	1,286.97	1/2	928.11	1/2	568.97	1/2	209.72	1/2		1/2		1/2	
3/4	2,357.22	3/4	1,997.98	3/4	1,638.73	3/4	1,279.48	3/4	920.64	3/4	561.49	3/4	202.24	3/4		3/4		3/4	
11	2,349.74	11	1,990.49	11	1,631.25	11	1,272.00	11	913.17	11	554.00	11	194.76	11		11		11	
1/4	2,342.25	1/4	1,983.01	1/4	1,623.76	1/4	1,264.52	1/4	905.70	1/4	546.52	1/4	187.27	1/4		1/4		1/4	
1/2	2,334.77	1/2	1,975.52	1/2	1,616.28	1/2	1,257.03	1/2	898.23	1/2	539.03	1/2	179.79	1/2		1/2		1/2	
3/4	2,327.29	3/4	1,968.04	3/4	1,608.79	3/4	1,249.55	3/4	890.75	3/4	531.55	3/4	172.30	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/20/2019 CL
CALCULATED: 02/21/2019 CL
PRINTED: 02/23/2019 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "MMLP 334"

3 PORT ULLAGE TABLE

10" HATCH

GAUGE HEIGHT 17'-07"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30066"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	0	0	4,468.87	0	4,286.91	0	4,068.04	0	3,849.16	0	3,629.75	0	3,359.80	0	3,004.06
1/4		1/4		1/4		1/4	4,467.59	1/4	4,282.35	1/4	4,063.48	1/4	3,844.60	1/4	3,625.18	1/4	3,322.40	1/4	2,996.63
1/2		1/2		1/2		1/2	4,466.32	1/2	4,277.79	1/2	4,058.92	1/2	3,840.04	1/2	3,620.61	1/2	3,345.01	1/2	2,989.21
3/4		3/4		3/4		3/4	4,465.04	3/4	4,273.23	3/4	4,054.36	3/4	3,835.48	3/4	3,616.03	3/4	3,337.61	3/4	2,981.79
1	1	1	1	1	1	1	4,463.77	1	4,268.67	1	4,049.80	1	3,830.92	1	3,611.46	1	3,330.22	1	2,974.36
1/4		1/4		1/4		1/4	4,461.73	1/4	4,264.11	1/4	4,045.24	1/4	3,826.36	1/4	3,606.89	1/4	3,322.83	1/4	2,966.94
1/2		1/2		1/2		1/2	4,459.69	1/2	4,259.55	1/2	4,040.68	1/2	3,821.79	1/2	3,602.32	1/2	3,315.43	1/2	2,959.51
3/4		3/4		3/4		3/4	4,457.65	3/4	4,254.99	3/4	4,036.12	3/4	3,817.22	3/4	3,597.74	3/4	3,308.03	3/4	2,952.09
2	2	2	2	2	2	2	4,455.61	2	4,250.43	2	4,031.56	2	3,812.66	2	3,593.17	2	3,300.64	2	2,944.66
1/4		1/4		1/4		1/4	4,452.81	1/4	4,245.87	1/4	4,027.00	1/4	3,808.08	1/4	3,588.60	1/4	3,293.24	1/4	2,937.24
1/2		1/2		1/2		1/2	4,450.01	1/2	4,241.31	1/2	4,022.44	1/2	3,803.51	1/2	3,584.03	1/2	3,285.85	1/2	2,929.81
3/4		3/4		3/4		3/4	4,447.21	3/4	4,236.75	3/4	4,017.88	3/4	3,798.94	3/4	3,579.45	3/4	3,278.45	3/4	2,922.39
3	3	3	3	3	3	3	4,444.41	3	4,232.19	3	4,013.32	3	3,794.36	3	3,574.88	3	3,271.05	3	2,914.97
1/4		1/4		1/4		1/4	4,440.84	1/4	4,227.63	1/4	4,008.76	1/4	3,789.79	1/4	3,570.31	1/4	3,263.66	1/4	2,907.54
1/2		1/2		1/2		1/2	4,437.28	1/2	4,223.07	1/2	4,004.20	1/2	3,785.22	1/2	3,565.73	1/2	3,256.26	1/2	2,900.12
3/4		3/4		3/4		3/4	4,433.72	3/4	4,218.51	3/4	3,999.64	3/4	3,780.65	3/4	3,561.16	3/4	3,248.87	3/4	2,892.69
4	4	4	4	4	4	4	4,430.16	4	4,213.95	4	3,995.08	4	3,776.07	4	3,556.59	4	3,241.47	4	2,885.27
1/4		1/4		1/4		1/4	4,425.95	1/4	4,209.39	1/4	3,990.52	1/4	3,771.50	1/4	3,551.90	1/4	3,234.07	1/4	2,877.84
1/2		1/2		1/2		1/2	4,421.74	1/2	4,204.84	1/2	3,985.96	1/2	3,766.93	1/2	3,547.20	1/2	3,226.68	1/2	2,870.42
3/4		3/4		3/4		3/4	4,417.53	3/4	4,200.28	3/4	3,981.40	3/4	3,762.36	3/4	3,542.51	3/4	3,219.28	3/4	2,862.99
5	5	5	5	5	5	5	4,413.32	5	4,195.72	5	3,976.84	5	3,757.78	5	3,537.82	5	3,211.88	5	2,855.57
1/4		1/4		1/4		1/4	4,408.83	1/4	4,191.16	1/4	3,972.28	1/4	3,753.21	1/4	3,532.79	1/4	3,204.47	1/4	2,848.15
1/2		1/2		1/2		1/2	4,404.34	1/2	4,186.60	1/2	3,967.72	1/2	3,748.64	1/2	3,527.75	1/2	3,197.06	1/2	2,840.72
3/4		3/4		3/4		3/4	4,399.85	3/4	4,182.04	3/4	3,963.16	3/4	3,744.07	3/4	3,522.72	3/4	3,189.65	3/4	2,833.30
6	6	6	6	6	6	6	4,395.36	6	4,177.48	6	3,958.60	6	3,739.49	6	3,517.69	6	3,182.24	6	2,825.87
1/4		1/4		1/4		1/4	4,390.85	1/4	4,172.92	1/4	3,954.04	1/4	3,734.92	1/4	3,512.19	1/4	3,174.82	1/4	2,818.45
1/2		1/2		1/2		1/2	4,386.34	1/2	4,168.36	1/2	3,949.48	1/2	3,730.35	1/2	3,506.70	1/2	3,167.40	1/2	2,811.02
3/4		3/4		3/4		3/4	4,381.83	3/4	4,163.80	3/4	3,944.92	3/4	3,725.78	3/4	3,501.21	3/4	3,159.97	3/4	2,803.60
7	7	7	7	7	7	7	4,377.31	7	4,159.24	7	3,940.36	7	3,721.20	7	3,495.71	7	3,152.55	7	2,796.18
1/4		1/4		1/4		1/4	4,372.80	1/4	4,154.68	1/4	3,935.80	1/4	3,716.63	1/4	3,489.74	1/4	3,145.12	1/4	2,788.75
1/2		1/2		1/2		1/2	4,368.28	1/2	4,150.12	1/2	3,931.24	1/2	3,712.06	1/2	3,483.78	1/2	3,137.70	1/2	2,781.33
3/4		3/4		3/4		3/4	4,363.77	3/4	4,145.56	3/4	3,926.68	3/4	3,707.49	3/4	3,477.81	3/4	3,130.27	3/4	2,773.90
8	8	8	8	8	8	8	4,359.25	8	4,141.00	8	3,922.12	8	3,702.91	8	3,471.84	8	3,122.85	8	2,766.48
1/4		1/4		1/4		1/4	4,354.73	1/4	4,136.44	1/4	3,917.56	1/4	3,698.34	1/4	3,465.40	1/4	3,115.42	1/4	2,759.05
1/2		1/2		1/2		1/2	4,350.22	1/2	4,131.88	1/2	3,913.00	1/2	3,693.77	1/2	3,458.97	1/2	3,108.00	1/2	2,751.63
3/4		3/4		3/4		3/4	4,345.70	3/4	4,127.32	3/4	3,908.44	3/4	3,689.19	3/4	3,452.53	3/4	3,100.58	3/4	2,744.20
9	9	9	9	9	9	9	4,341.19	9	4,122.76	9	3,903.88	9	3,684.62	9	3,446.09	9	3,093.15	9	2,736.78
1/4		1/4		1/4		1/4	4,336.67	1/4	4,118.20	1/4	3,899.32	1/4	3,680.05	1/4	3,439.17	1/4	3,085.73	1/4	2,729.36
1/2		1/2		1/2		1/2	4,332.16	1/2	4,113.64	1/2	3,894.76	1/2	3,675.48	1/2	3,432.25	1/2	3,078.30	1/2	2,721.93
3/4		3/4		3/4		3/4	4,327.64	3/4	4,109.08	3/4	3,890.20	3/4	3,670.90	3/4	3,425.34	3/4	3,070.88	3/4	2,714.51
10	10	10	10	10	10	10	4,323.13	10	4,104.52	10	3,885.64	10	3,666.33	10	3,418.42	10	3,063.45	10	2,707.08
1/4		1/4		1/4		1/4	4,318.61	1/4	4,099.96	1/4	3,881.08	1/4	3,661.76	1/4	3,411.15	1/4	3,056.03	1/4	2,699.66
1/2		1/2		1/2		1/2	4,314.10	1/2	4,095.40	1/2	3,876.52	1/2	3,657.19	1/2	3,403.88	1/2	3,048.60	1/2	2,692.23
3/4		3/4		3/4		3/4	4,309.58	3/4	4,090.84	3/4	3,871.96	3/4	3,652.61	3/4	3,396.61	3/4	3,041.18	3/4	2,684.81
11	11	11	11	11	11	11	4,305.07	11	4,086.28	11	3,867.40	11	3,648.04	11	3,389.35	11	3,033.76	11	2,677.38
1/4		1/4		1/4		1/4	4,300.53	1/4	4,081.72	1/4	3,862.84	1/4	3,643.47	1/4	3,381.96	1/4	3,026.33	1/4	2,669.96
1/2		1/2		1/2		1/2	4,295.99	1/2	4,077.16	1/2	3,858.28	1/2	3,638.90	1/2	3,374.57	1/2	3,018.91	1/2	2,662.54
3/4		3/4		3/4		3/4	4,291.45	3/4	4,072.60	3/4	3,853.72	3/4	3,634.32	3/4	3,367.18	3/4	3,011.48	3/4	2,655.11

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME
 GAUGE POINT: (10" HATCH) LOCATED 3'-00" OFF CENTERLINE AND 82'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "MMLP 334"

3 PORT ULLAGE TABLE 10" HATCH GAUGE HEIGHT 17'-07"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30066"

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	2,647.69	0	2,291.10	0	1,934.83	0	1,578.50	0	1,221.74	0	876.32	0	521.26	0	164.05	0		0	
1/4	2,640.26	1/4	2,283.66	1/4	1,927.42	1/4	1,571.07	1/4	1,214.31	1/4	869.16	1/4	513.82	1/4	156.60	1/4		1/4	
1/2	2,632.84	1/2	2,276.23	1/2	1,920.00	1/2	1,563.63	1/2	1,206.87	1/2	862.01	1/2	506.38	1/2	149.15	1/2		1/2	
3/4	2,625.41	3/4	2,268.80	3/4	1,912.59	3/4	1,556.20	3/4	1,199.44	3/4	854.86	3/4	498.95	3/4	141.71	3/4		3/4	
1	2,617.99	1	2,261.37	1	1,905.17	1	1,548.77	1	1,192.01	1	847.71	1	491.51	1	134.26	1		1	
1/4	2,610.56	1/4	2,253.94	1/4	1,897.75	1/4	1,541.34	1/4	1,184.68	1/4	840.44	1/4	484.07	1/4	126.81	1/4		1/4	
1/2	2,603.14	1/2	2,246.51	1/2	1,890.34	1/2	1,533.90	1/2	1,177.35	1/2	833.17	1/2	476.63	1/2	119.37	1/2		1/2	
3/4	2,595.71	3/4	2,239.08	3/4	1,882.92	3/4	1,526.47	3/4	1,170.02	3/4	825.90	3/4	469.20	3/4	111.93	3/4		3/4	
2	2,588.28	2	2,231.65	2	1,875.50	2	1,519.04	2	1,162.69	2	818.63	2	461.76	2	104.48	2		2	
1/4	2,580.86	1/4	2,224.22	1/4	1,868.09	1/4	1,511.61	1/4	1,155.47	1/4	811.23	1/4	454.32	1/4	97.06	1/4		1/4	
1/2	2,573.43	1/2	2,216.80	1/2	1,860.67	1/2	1,504.17	1/2	1,148.26	1/2	803.82	1/2	446.88	1/2	89.63	1/2		1/2	
3/4	2,566.01	3/4	2,209.37	3/4	1,853.26	3/4	1,496.74	3/4	1,141.04	3/4	796.41	3/4	439.45	3/4	82.21	3/4		3/4	
3	2,558.58	3	2,201.94	3	1,845.84	3	1,489.31	3	1,133.82	3	789.01	3	432.01	3	74.78	3		3	
1/4	2,551.16	1/4	2,194.51	1/4	1,838.42	1/4	1,481.88	1/4	1,126.61	1/4	781.57	1/4	424.57	1/4	67.82	1/4		1/4	
1/2	2,543.73	1/2	2,187.08	1/2	1,831.01	1/2	1,474.44	1/2	1,119.40	1/2	774.13	1/2	417.13	1/2	60.85	1/2		1/2	
3/4	2,536.30	3/4	2,179.65	3/4	1,823.59	3/4	1,467.01	3/4	1,112.18	3/4	766.70	3/4	409.70	3/4	53.89	3/4		3/4	
4	2,528.88	4	2,172.22	4	1,816.18	4	1,459.58	4	1,104.97	4	759.26	4	402.26	4	46.92	4		4	
1/4	2,521.45	1/4	2,164.79	1/4	1,808.76	1/4	1,452.15	1/4	1,097.80	1/4	751.82	1/4	394.82	1/4	41.34	1/4		1/4	
1/2	2,514.03	1/2	2,157.36	1/2	1,801.34	1/2	1,444.71	1/2	1,090.62	1/2	744.38	1/2	387.38	1/2	35.75	1/2		1/2	
3/4	2,506.60	3/4	2,149.93	3/4	1,793.93	3/4	1,437.28	3/4	1,083.44	3/4	736.95	3/4	379.95	3/4	30.16	3/4		3/4	
5	2,499.18	5	2,142.50	5	1,786.51	5	1,429.85	5	1,076.27	5	729.51	5	372.51	5	24.58	5		5	
1/4	2,491.75	1/4	2,135.08	1/4	1,779.10	1/4	1,422.42	1/4	1,069.13	1/4	722.07	1/4	365.07	1/4	20.85	1/4		1/4	
1/2	2,484.33	1/2	2,127.65	1/2	1,771.68	1/2	1,414.98	1/2	1,061.98	1/2	714.63	1/2	357.63	1/2	17.13	1/2		1/2	
3/4	2,476.90	3/4	2,120.22	3/4	1,764.26	3/4	1,407.55	3/4	1,054.84	3/4	707.20	3/4	350.20	3/4	13.40	3/4		3/4	
6	2,469.47	6	2,112.79	6	1,756.85	6	1,400.12	6	1,047.70	6	699.76	6	342.76	6	9.68	6		6	
1/4	2,462.05	1/4	2,105.37	1/4	1,749.42	1/4	1,392.69	1/4	1,040.56	1/4	692.32	1/4	335.32	1/4	7.82	1/4		1/4	
1/2	2,454.62	1/2	2,097.95	1/2	1,742.00	1/2	1,385.25	1/2	1,033.42	1/2	684.88	1/2	327.88	1/2	5.96	1/2		1/2	
3/4	2,447.20	3/4	2,090.53	3/4	1,734.57	3/4	1,377.82	3/4	1,026.28	3/4	677.45	3/4	320.45	3/4	4.09	3/4		3/4	
7	2,439.77	7	2,083.11	7	1,727.15	7	1,370.39	7	1,019.14	7	670.01	7	313.01	7	2.23	7		7	
1/4	2,432.34	1/4	2,075.70	1/4	1,719.72	1/4	1,362.96	1/4	1,012.00	1/4	662.57	1/4	305.57	1/4		1/4		1/4	
1/2	2,424.91	1/2	2,068.29	1/2	1,712.28	1/2	1,355.52	1/2	1,004.86	1/2	655.13	1/2	298.12	1/2		1/2		1/2	
3/4	2,417.48	3/4	2,060.89	3/4	1,704.85	3/4	1,348.09	3/4	997.71	3/4	647.70	3/4	290.68	3/4		3/4		3/4	
8	2,410.05	8	2,053.48	8	1,697.42	8	1,340.66	8	990.57	8	640.26	8	283.24	8		8		8	
1/4	2,402.62	1/4	2,046.06	1/4	1,689.99	1/4	1,333.23	1/4	983.43	1/4	632.82	1/4	275.79	1/4		1/4		1/4	
1/2	2,395.18	1/2	2,038.65	1/2	1,682.55	1/2	1,325.79	1/2	976.29	1/2	625.38	1/2	268.34	1/2		1/2		1/2	
3/4	2,387.75	3/4	2,031.24	3/4	1,675.12	3/4	1,318.36	3/4	969.15	3/4	617.95	3/4	260.89	3/4		3/4		3/4	
9	2,380.31	9	2,023.83	9	1,667.69	9	1,310.93	9	962.01	9	610.51	9	253.44	9		9		9	
1/4	2,372.88	1/4	2,016.41	1/4	1,660.26	1/4	1,303.50	1/4	954.87	1/4	603.07	1/4	245.99	1/4		1/4		1/4	
1/2	2,365.44	1/2	2,008.99	1/2	1,652.82	1/2	1,296.06	1/2	947.73	1/2	595.63	1/2	238.54	1/2		1/2		1/2	
3/4	2,358.01	3/4	2,001.58	3/4	1,645.39	3/4	1,288.63	3/4	940.59	3/4	588.20	3/4	231.09	3/4		3/4		3/4	
10	2,350.57	10	1,994.16	10	1,637.96	10	1,281.20	10	933.44	10	580.76	10	223.64	10		10		10	
1/4	2,343.14	1/4	1,986.75	1/4	1,630.53	1/4	1,273.77	1/4	926.30	1/4	573.32	1/4	216.19	1/4		1/4		1/4	
1/2	2,335.70	1/2	1,979.33	1/2	1,623.09	1/2	1,266.33	1/2	919.16	1/2	565.88	1/2	208.75	1/2		1/2		1/2	
3/4	2,328.27	3/4	1,971.91	3/4	1,615.66	3/4	1,258.90	3/4	912.02	3/4	558.45	3/4	201.30	3/4		3/4		3/4	
11	2,320.84	11	1,964.50	11	1,608.23	11	1,251.47	11	904.88	11	551.01	11	193.85	11		11		11	
1/4	2,313.40	1/4	1,957.08	1/4	1,600.80	1/4	1,244.04	1/4	897.74	1/4	543.57	1/4	186.40	1/4		1/4		1/4	
1/2	2,305.97	1/2	1,949.67	1/2	1,593.36	1/2	1,236.60	1/2	890.60	1/2	536.13	1/2	178.95	1/2		1/2		1/2	
3/4	2,298.53	3/4	1,942.25	3/4	1,585.93	3/4	1,229.17	3/4	883.46	3/4	528.70	3/4	171.50	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/20/2019 CL
CALCULATED: 02/21/2019 CL
PRINTED: 02/23/2019 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2019

PRECISION MEASUREMENT
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BARGE "MMLP 334"

3 STBD ULLAGE TABLE

10" HATCH GAUGE HEIGHT 17'-07"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30066"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	0	0	4,487.63	0	4,305.72	0	4,086.89	0	3,868.05	0	3,648.68	0	3,378.55	0	3,022.23
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,486.35	1/4	4,301.17	1/4	4,082.33	1/4	3,863.49	1/4	3,644.11	1/4	3,341.14	1/4	3,014.80
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,485.08	1/2	4,296.61	1/2	4,077.77	1/2	3,858.93	1/2	3,639.54	1/2	3,363.74	1/2	3,007.36
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,483.80	3/4	4,292.05	3/4	4,073.21	3/4	3,854.37	3/4	3,634.97	3/4	3,356.33	3/4	2,999.92
1	1	1	1	1	1	1	4,482.53	1	4,287.49	1	4,068.65	1	3,849.81	1	3,630.40	1	3,348.93	1	2,992.49
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,480.49	1/4	4,282.93	1/4	4,064.09	1/4	3,845.25	1/4	3,625.82	1/4	3,341.52	1/4	2,985.05
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,478.45	1/2	4,278.37	1/2	4,059.53	1/2	3,840.68	1/2	3,621.25	1/2	3,334.11	1/2	2,977.61
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,476.41	3/4	4,273.81	3/4	4,054.97	3/4	3,836.12	3/4	3,616.68	3/4	3,326.70	3/4	2,970.18
2	2	2	2	2	2	2	4,474.37	2	4,269.25	2	4,050.41	2	3,831.56	2	3,612.11	2	3,319.29	2	2,962.74
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,471.57	1/4	4,264.69	1/4	4,045.86	1/4	3,826.98	1/4	3,607.54	1/4	3,311.89	1/4	2,955.31
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,468.77	1/2	4,260.13	1/2	4,041.30	1/2	3,822.41	1/2	3,602.97	1/2	3,304.48	1/2	2,947.87
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,465.97	3/4	4,255.57	3/4	4,036.74	3/4	3,817.84	3/4	3,598.39	3/4	3,297.07	3/4	2,940.43
3	3	3	3	3	3	3	4,463.17	3	4,251.02	3	4,032.18	3	3,813.27	3	3,593.82	3	3,289.66	3	2,933.00
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,459.61	1/4	4,246.46	1/4	4,027.62	1/4	3,808.70	1/4	3,589.25	1/4	3,282.25	1/4	2,925.56
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,456.05	1/2	4,241.90	1/2	4,023.06	1/2	3,804.12	1/2	3,584.68	1/2	3,274.85	1/2	2,918.12
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,452.48	3/4	4,237.34	3/4	4,018.50	3/4	3,799.55	3/4	3,580.11	3/4	3,267.44	3/4	2,910.69
4	4	4	4	4	4	4	4,448.92	4	4,232.78	4	4,013.94	4	3,794.98	4	3,575.53	4	3,260.03	4	2,903.25
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,444.71	1/4	4,228.22	1/4	4,009.38	1/4	3,790.41	1/4	3,570.84	1/4	3,252.62	1/4	2,895.81
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,440.51	1/2	4,223.66	1/2	4,004.82	1/2	3,785.84	1/2	3,566.15	1/2	3,245.21	1/2	2,888.38
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,436.30	3/4	4,219.10	3/4	4,000.26	3/4	3,781.27	3/4	3,561.46	3/4	3,237.81	3/4	2,880.94
5	5	5	5	5	5	5	4,432.09	5	4,214.54	5	3,995.71	5	3,776.69	5	3,556.77	5	3,230.40	5	2,873.50
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,427.60	1/4	4,209.98	1/4	3,991.15	1/4	3,772.12	1/4	3,551.74	1/4	3,222.97	1/4	2,866.07
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,423.11	1/2	4,205.42	1/2	3,986.59	1/2	3,767.55	1/2	3,546.70	1/2	3,215.55	1/2	2,858.63
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,418.62	3/4	4,200.87	3/4	3,982.03	3/4	3,762.98	3/4	3,541.67	3/4	3,208.13	3/4	2,851.20
6	6	6	6	6	6	6	4,414.14	6	4,196.31	6	3,977.47	6	3,758.41	6	3,536.64	6	3,200.71	6	2,843.76
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,409.63	1/4	4,191.75	1/4	3,972.91	1/4	3,753.83	1/4	3,531.15	1/4	3,193.27	1/4	2,836.32
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,405.12	1/2	4,187.19	1/2	3,968.35	1/2	3,749.26	1/2	3,525.66	1/2	3,185.83	1/2	2,828.89
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,400.61	3/4	4,182.63	3/4	3,963.79	3/4	3,744.69	3/4	3,520.16	3/4	3,178.40	3/4	2,821.45
7	7	7	7	7	7	7	4,396.10	7	4,178.07	7	3,959.23	7	3,740.12	7	3,514.67	7	3,170.96	7	2,814.01
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,391.58	1/4	4,173.51	1/4	3,954.67	1/4	3,735.55	1/4	3,508.70	1/4	3,163.52	1/4	2,806.58
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,387.07	1/2	4,168.95	1/2	3,950.11	1/2	3,730.98	1/2	3,502.73	1/2	3,156.09	1/2	2,799.14
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,382.55	3/4	4,164.39	3/4	3,945.56	3/4	3,726.40	3/4	3,496.76	3/4	3,148.65	3/4	2,791.70
8	8	8	8	8	8	8	4,378.04	8	4,159.83	8	3,941.00	8	3,721.83	8	3,490.79	8	3,141.22	8	2,784.27
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,373.52	1/4	4,155.27	1/4	3,936.44	1/4	3,717.26	1/4	3,484.34	1/4	3,133.78	1/4	2,776.83
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,369.01	1/2	4,150.71	1/2	3,931.88	1/2	3,712.69	1/2	3,477.89	1/2	3,126.34	1/2	2,769.40
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,364.49	3/4	4,146.16	3/4	3,927.32	3/4	3,708.12	3/4	3,471.44	3/4	3,118.91	3/4	2,761.96
9	9	9	9	9	9	9	4,359.98	9	4,141.60	9	3,922.76	9	3,703.54	9	3,464.99	9	3,111.47	9	2,754.52
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,355.47	1/4	4,137.04	1/4	3,918.20	1/4	3,698.97	1/4	3,458.06	1/4	3,104.03	1/4	2,747.09
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,350.95	1/2	4,132.48	1/2	3,913.64	1/2	3,694.40	1/2	3,451.13	1/2	3,096.60	1/2	2,739.65
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,346.44	3/4	4,127.92	3/4	3,909.08	3/4	3,689.83	3/4	3,444.20	3/4	3,089.16	3/4	2,732.21
10	10	10	10	10	10	10	4,341.92	10	4,123.36	10	3,904.52	10	3,685.26	10	3,437.27	10	3,081.72	10	2,724.78
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,337.41	1/4	4,118.80	1/4	3,899.96	1/4	3,680.69	1/4	3,429.99	1/4	3,074.29	1/4	2,717.34
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,332.90	1/2	4,114.24	1/2	3,895.41	1/2	3,676.11	1/2	3,422.71	1/2	3,066.85	1/2	2,709.90
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,328.38	3/4	4,109.68	3/4	3,890.85	3/4	3,671.54	3/4	3,415.43	3/4	3,059.41	3/4	2,702.47
11	11	11	11	11	11	11	4,323.87	11	4,105.12	11	3,886.29	11	3,666.97	11	3,408.15	11	3,051.98	11	2,695.03
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,319.33	1/4	4,100.56	1/4	3,881.73	1/4	3,662.40	1/4	3,400.75	1/4	3,044.54	1/4	2,687.59
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,314.80	1/2	4,096.01	1/2	3,877.17	1/2	3,657.83	1/2	3,393.35	1/2	3,037.11	1/2	2,680.16
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,310.26	3/4	4,091.45	3/4	3,872.61	3/4	3,653.25	3/4	3,385.95	3/4	3,029.67	3/4	2,672.72

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME
 GAUGE POINT: (10" HATCH) LOCATED 3'-00" OFF CENTERLINE AND 82'-09" FORWARD OF AFT BULKHEAD

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



BARGE "MMLP 334"

3 STBD

ULLAGE TABLE 10" HATCH

GAUGE HEIGHT 17'-07"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30066"

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	2,665.29	0	2,308.12	0	1,950.68	0	1,593.23	0	1,235.79	0	878.83	0	521.42	0	163.99	0		0	
1/4	2,657.85	1/4	2,300.67	1/4	1,943.23	1/4	1,585.79	1/4	1,228.35	1/4	871.39	1/4	513.97	1/4	156.55	1/4		1/4	
1/2	2,650.41	1/2	2,293.22	1/2	1,935.78	1/2	1,578.34	1/2	1,220.90	1/2	863.94	1/2	506.53	1/2	149.10	1/2		1/2	
3/4	2,642.98	3/4	2,285.78	3/4	1,928.34	3/4	1,570.89	3/4	1,213.45	3/4	856.50	3/4	499.08	3/4	141.66	3/4		3/4	
1	2,635.54	1	2,278.33	1	1,920.89	1	1,563.45	1	1,206.01	1	849.06	1	491.63	1	134.21	1		1	
1/4	2,628.10	1/4	2,270.88	1/4	1,913.44	1/4	1,556.00	1/4	1,198.56	1/4	841.62	1/4	484.19	1/4	126.77	1/4		1/4	
1/2	2,620.66	1/2	2,263.44	1/2	1,906.00	1/2	1,548.55	1/2	1,191.11	1/2	834.17	1/2	476.74	1/2	119.33	1/2		1/2	
3/4	2,613.23	3/4	2,255.99	3/4	1,898.55	3/4	1,541.11	3/4	1,183.67	3/4	826.72	3/4	469.30	3/4	111.89	3/4		3/4	
2	2,605.79	2	2,248.54	2	1,891.10	2	1,533.66	2	1,176.22	2	819.28	2	461.85	2	104.45	2		2	
1/4	2,598.35	1/4	2,241.10	1/4	1,883.66	1/4	1,526.21	1/4	1,168.77	1/4	811.83	1/4	454.40	1/4	97.02	1/4		1/4	
1/2	2,590.91	1/2	2,233.65	1/2	1,876.21	1/2	1,518.77	1/2	1,161.33	1/2	804.38	1/2	446.96	1/2	89.60	1/2		1/2	
3/4	2,583.47	3/4	2,226.20	3/4	1,868.76	3/4	1,511.32	3/4	1,153.89	3/4	796.94	3/4	439.51	3/4	82.18	3/4		3/4	
3	2,576.04	3	2,218.76	3	1,861.32	3	1,503.87	3	1,146.44	3	789.49	3	432.06	3	74.75	3		3	
1/4	2,568.60	1/4	2,211.31	1/4	1,853.87	1/4	1,496.43	1/4	1,139.00	1/4	782.04	1/4	424.62	1/4	67.79	1/4		1/4	
1/2	2,561.16	1/2	2,203.86	1/2	1,846.42	1/2	1,488.98	1/2	1,131.56	1/2	774.60	1/2	417.17	1/2	60.83	1/2		1/2	
3/4	2,553.72	3/4	2,196.42	3/4	1,838.98	3/4	1,481.53	3/4	1,124.12	3/4	767.15	3/4	409.72	3/4	53.87	3/4		3/4	
4	2,546.29	4	2,188.97	4	1,831.53	4	1,474.09	4	1,116.68	4	759.70	4	402.28	4	46.91	4		4	
1/4	2,538.85	1/4	2,181.52	1/4	1,824.08	1/4	1,466.64	1/4	1,109.24	1/4	752.26	1/4	394.83	1/4	41.32	1/4		1/4	
1/2	2,531.41	1/2	2,174.08	1/2	1,816.63	1/2	1,459.19	1/2	1,101.81	1/2	744.81	1/2	387.38	1/2	35.74	1/2		1/2	
3/4	2,523.97	3/4	2,166.63	3/4	1,809.19	3/4	1,451.75	3/4	1,094.37	3/4	737.37	3/4	379.94	3/4	30.15	3/4		3/4	
5	2,516.54	5	2,159.18	5	1,801.74	5	1,444.30	5	1,086.93	5	729.92	5	372.49	5	24.57	5		5	
1/4	2,509.10	1/4	2,151.74	1/4	1,794.29	1/4	1,436.85	1/4	1,079.50	1/4	722.47	1/4	365.05	1/4	20.85	1/4		1/4	
1/2	2,501.66	1/2	2,144.29	1/2	1,786.85	1/2	1,429.41	1/2	1,072.07	1/2	715.03	1/2	357.60	1/2	17.12	1/2		1/2	
3/4	2,494.22	3/4	2,136.84	3/4	1,779.40	3/4	1,421.96	3/4	1,064.64	3/4	707.58	3/4	350.15	3/4	13.40	3/4		3/4	
6	2,486.78	6	2,129.40	6	1,771.95	6	1,414.51	6	1,057.20	6	700.13	6	342.71	6	9.68	6		6	
1/4	2,479.35	1/4	2,121.95	1/4	1,764.51	1/4	1,407.07	1/4	1,049.77	1/4	692.69	1/4	335.26	1/4	7.81	1/4		1/4	
1/2	2,471.91	1/2	2,114.50	1/2	1,757.06	1/2	1,399.62	1/2	1,042.34	1/2	685.24	1/2	327.81	1/2	5.95	1/2		1/2	
3/4	2,464.47	3/4	2,107.06	3/4	1,749.61	3/4	1,392.17	3/4	1,034.91	3/4	677.79	3/4	320.37	3/4	4.09	3/4		3/4	
7	2,457.03	7	2,099.61	7	1,742.17	7	1,384.73	7	1,027.47	7	670.35	7	312.92	7	2.23	7		7	
1/4	2,449.59	1/4	2,092.16	1/4	1,734.72	1/4	1,377.28	1/4	1,020.04	1/4	662.90	1/4	305.47	1/4		1/4		1/4	
1/2	2,442.15	1/2	2,084.72	1/2	1,727.27	1/2	1,369.83	1/2	1,012.61	1/2	655.46	1/2	298.03	1/2		1/2		1/2	
3/4	2,434.71	3/4	2,077.27	3/4	1,719.83	3/4	1,362.39	3/4	1,005.18	3/4	648.01	3/4	290.58	3/4		3/4		3/4	
8	2,427.26	8	2,069.82	8	1,712.38	8	1,354.94	8	997.74	8	640.56	8	283.14	8		8		8	
1/4	2,419.82	1/4	2,062.38	1/4	1,704.93	1/4	1,347.49	1/4	990.31	1/4	633.12	1/4	275.69	1/4		1/4		1/4	
1/2	2,412.37	1/2	2,054.93	1/2	1,697.49	1/2	1,340.05	1/2	982.88	1/2	625.67	1/2	268.24	1/2		1/2		1/2	
3/4	2,404.92	3/4	2,047.48	3/4	1,690.04	3/4	1,332.60	3/4	975.45	3/4	618.22	3/4	260.80	3/4		3/4		3/4	
9	2,397.48	9	2,040.04	9	1,682.59	9	1,325.15	9	968.02	9	610.78	9	253.35	9		9		9	
1/4	2,390.03	1/4	2,032.59	1/4	1,675.15	1/4	1,317.71	1/4	960.58	1/4	603.33	1/4	245.90	1/4		1/4		1/4	
1/2	2,382.58	1/2	2,025.14	1/2	1,667.70	1/2	1,310.26	1/2	953.15	1/2	595.88	1/2	238.46	1/2		1/2		1/2	
3/4	2,375.14	3/4	2,017.70	3/4	1,660.25	3/4	1,302.81	3/4	945.72	3/4	588.44	3/4	231.01	3/4		3/4		3/4	
10	2,367.69	10	2,010.25	10	1,652.81	10	1,295.37	10	938.29	10	580.99	10	223.56	10		10		10	
1/4	2,360.24	1/4	2,002.80	1/4	1,645.36	1/4	1,287.92	1/4	930.85	1/4	573.54	1/4	216.12	1/4		1/4		1/4	
1/2	2,352.80	1/2	1,995.36	1/2	1,637.91	1/2	1,280.47	1/2	923.42	1/2	566.10	1/2	208.67	1/2		1/2		1/2	
3/4	2,345.35	3/4	1,987.91	3/4	1,630.47	3/4	1,273.03	3/4	915.99	3/4	558.65	3/4	201.22	3/4		3/4		3/4	
11	2,337.90	11	1,980.46	11	1,623.02	11	1,265.58	11	908.56	11	551.21	11	193.78	11		11		11	
1/4	2,330.46	1/4	1,973.02	1/4	1,615.57	1/4	1,258.13	1/4	901.12	1/4	543.76	1/4	186.33	1/4		1/4		1/4	
1/2	2,323.01	1/2	1,965.57	1/2	1,608.13	1/2	1,250.69	1/2	893.69	1/2	536.31	1/2	178.89	1/2		1/2		1/2	
3/4	2,315.56	3/4	1,958.12	3/4	1,600.68	3/4	1,243.24	3/4	886.26	3/4	528.87	3/4	171.44	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/20/2019 CL
CALCULATED: 02/21/2019 CL
PRINTED: 02/23/2019 SW

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