



BARGE "MMLP 334"

INNAGE (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 INNAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNAGE IS 3'-03 7/8"

LENGTH BETWEEN DRAFT MARKS: 235'-09"

February 20, 2019

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "MMLP 334"

1 PORT INNAGE TABLE

10" HATCH

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30066"

GAUGE HEIGHT 17'-07"

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	2.23	0	262.98	0	608.31	0	964.89	0	1,321.92	0	1,680.00	0	2,038.08	0	2,396.16	0	2,754.19	0	3,112.17
1/4	4.10	1/4	269.74	1/4	615.77	1/4	972.29	1/4	1,329.38	1/4	1,687.46	1/4	2,045.54	1/4	2,403.62	1/4	2,761.65	1/4	3,119.63
1/2	5.96	1/2	276.50	1/2	623.23	1/2	979.69	1/2	1,336.84	1/2	1,694.92	1/2	2,053.00	1/2	2,411.08	1/2	2,769.10	1/2	3,127.08
3/4	7.83	3/4	283.26	3/4	630.69	3/4	987.09	3/4	1,344.30	3/4	1,702.38	3/4	2,060.46	3/4	2,418.54	3/4	2,776.56	3/4	3,134.54
1	9.69	1	290.02	1	638.15	1	994.49	1	1,351.76	1	1,709.84	1	2,067.92	1	2,426.00	1	2,784.02	1	3,142.00
1/4	12.61	1/4	296.86	1/4	645.61	1/4	1,001.89	1/4	1,359.22	1/4	1,717.30	1/4	2,075.38	1/4	2,433.46	1/4	2,791.48	1/4	3,149.46
1/2	15.53	1/2	303.71	1/2	653.07	1/2	1,009.29	1/2	1,366.68	1/2	1,724.76	1/2	2,082.84	1/2	2,440.92	1/2	2,798.94	1/2	3,156.92
3/4	18.45	3/4	310.56	3/4	660.53	3/4	1,016.69	3/4	1,374.14	3/4	1,732.22	3/4	2,090.30	3/4	2,448.38	3/4	2,806.39	3/4	3,164.37
2	21.37	2	317.40	2	667.99	2	1,024.10	2	1,381.60	2	1,739.68	2	2,097.76	2	2,455.84	2	2,813.85	2	3,171.83
1/4	25.39	1/4	324.34	1/4	675.45	1/4	1,031.50	1/4	1,389.06	1/4	1,747.14	1/4	2,105.22	1/4	2,463.30	1/4	2,821.31	1/4	3,179.29
1/2	29.41	1/2	331.27	1/2	682.91	1/2	1,038.91	1/2	1,396.52	1/2	1,754.60	1/2	2,112.68	1/2	2,470.76	1/2	2,828.77	1/2	3,186.75
3/4	33.43	3/4	338.21	3/4	690.37	3/4	1,046.31	3/4	1,403.98	3/4	1,762.06	3/4	2,120.14	3/4	2,478.22	3/4	2,836.23	3/4	3,194.20
3	37.45	3	345.14	3	697.83	3	1,053.72	3	1,411.44	3	1,769.52	3	2,127.60	3	2,485.68	3	2,843.68	3	3,201.66
1/4	42.93	1/4	352.16	1/4	705.29	1/4	1,061.14	1/4	1,418.90	1/4	1,776.98	1/4	2,135.06	1/4	2,493.14	1/4	2,851.14	1/4	3,209.12
1/2	48.42	1/2	359.19	1/2	712.75	1/2	1,068.56	1/2	1,426.36	1/2	1,784.44	1/2	2,142.52	1/2	2,500.60	1/2	2,858.60	1/2	3,216.58
3/4	53.91	3/4	366.21	3/4	720.21	3/4	1,075.98	3/4	1,433.82	3/4	1,791.90	3/4	2,149.98	3/4	2,508.06	3/4	2,866.06	3/4	3,224.04
4	59.39	4	373.23	4	727.67	4	1,083.39	4	1,441.28	4	1,799.36	4	2,157.44	4	2,515.52	4	2,873.52	4	3,231.49
1/4	65.43	1/4	380.34	1/4	735.13	1/4	1,090.82	1/4	1,448.74	1/4	1,806.82	1/4	2,164.90	1/4	2,522.98	1/4	2,880.97	1/4	3,238.95
1/2	71.46	1/2	387.45	1/2	742.59	1/2	1,098.25	1/2	1,456.20	1/2	1,814.28	1/2	2,172.36	1/2	2,530.44	1/2	2,888.43	1/2	3,246.41
3/4	77.50	3/4	394.56	3/4	750.05	3/4	1,105.68	3/4	1,463.66	3/4	1,821.74	3/4	2,179.82	3/4	2,537.90	3/4	2,895.89	3/4	3,253.87
5	83.54	5	401.67	5	757.51	5	1,113.11	5	1,471.12	5	1,829.20	5	2,187.28	5	2,545.36	5	2,903.35	5	3,261.33
1/4	89.68	1/4	408.87	1/4	764.94	1/4	1,120.55	1/4	1,478.58	1/4	1,836.66	1/4	2,194.74	1/4	2,552.82	1/4	2,910.80	1/4	3,268.78
1/2	95.82	1/2	416.06	1/2	772.38	1/2	1,128.00	1/2	1,486.04	1/2	1,844.12	1/2	2,202.20	1/2	2,560.28	1/2	2,918.26	1/2	3,276.24
3/4	101.96	3/4	423.26	3/4	779.81	3/4	1,135.44	3/4	1,493.50	3/4	1,851.58	3/4	2,209.66	3/4	2,567.74	3/4	2,925.72	3/4	3,283.70
6	108.10	6	430.46	6	787.25	6	1,142.88	6	1,500.96	6	1,859.04	6	2,217.12	6	2,575.20	6	2,933.18	6	3,291.16
1/4	114.33	1/4	437.74	1/4	794.65	1/4	1,150.34	1/4	1,508.42	1/4	1,866.50	1/4	2,224.58	1/4	2,582.66	1/4	2,940.64	1/4	3,298.62
1/2	120.57	1/2	445.03	1/2	802.06	1/2	1,157.80	1/2	1,515.88	1/2	1,873.96	1/2	2,232.04	1/2	2,590.12	1/2	2,948.09	1/2	3,306.07
3/4	126.80	3/4	452.31	3/4	809.46	3/4	1,165.26	3/4	1,523.34	3/4	1,881.42	3/4	2,239.50	3/4	2,597.57	3/4	2,955.55	3/4	3,313.53
7	133.04	7	459.60	7	816.87	7	1,172.72	7	1,530.80	7	1,888.88	7	2,246.96	7	2,605.03	7	2,963.01	7	3,320.99
1/4	139.36	1/4	466.97	1/4	824.27	1/4	1,180.18	1/4	1,538.26	1/4	1,896.34	1/4	2,254.42	1/4	2,612.49	1/4	2,970.47	1/4	3,328.45
1/2	145.68	1/2	474.34	1/2	831.67	1/2	1,187.64	1/2	1,545.72	1/2	1,903.80	1/2	2,261.88	1/2	2,619.95	1/2	2,977.93	1/2	3,335.90
3/4	152.00	3/4	481.72	3/4	839.07	3/4	1,195.10	3/4	1,553.18	3/4	1,911.26	3/4	2,269.34	3/4	2,627.40	3/4	2,985.38	3/4	3,343.36
8	158.32	8	489.09	8	846.47	8	1,202.56	8	1,560.64	8	1,918.72	8	2,276.80	8	2,634.86	8	2,992.84	8	3,350.82
1/4	164.73	1/4	496.53	1/4	853.87	1/4	1,210.02	1/4	1,568.10	1/4	1,926.18	1/4	2,284.26	1/4	2,642.32	1/4	3,000.30	1/4	3,358.28
1/2	171.14	1/2	503.96	1/2	861.27	1/2	1,217.48	1/2	1,575.56	1/2	1,933.64	1/2	2,291.72	1/2	2,649.78	1/2	3,007.76	1/2	3,365.74
3/4	177.55	3/4	511.40	3/4	868.67	3/4	1,224.94	3/4	1,583.02	3/4	1,941.10	3/4	2,299.18	3/4	2,657.24	3/4	3,015.22	3/4	3,373.19
9	183.96	9	518.84	9	876.08	9	1,232.40	9	1,590.48	9	1,948.56	9	2,306.64	9	2,664.69	9	3,022.67	9	3,380.65
1/4	190.46	1/4	526.30	1/4	883.48	1/4	1,239.86	1/4	1,597.94	1/4	1,956.02	1/4	2,314.10	1/4	2,672.15	1/4	3,030.13	1/4	3,388.11
1/2	196.96	1/2	533.75	1/2	890.88	1/2	1,247.32	1/2	1,605.40	1/2	1,963.48	1/2	2,321.56	1/2	2,679.61	1/2	3,037.59	1/2	3,395.57
3/4	203.45	3/4	541.21	3/4	898.28	3/4	1,254.78	3/4	1,612.86	3/4	1,970.94	3/4	2,329.02	3/4	2,687.07	3/4	3,045.05	3/4	3,403.03
10	209.95	10	548.67	10	905.68	10	1,262.24	10	1,620.32	10	1,978.40	10	2,336.48	10	2,694.53	10	3,052.50	10	3,410.48
1/4	216.53	1/4	556.12	1/4	913.08	1/4	1,269.70	1/4	1,627.78	1/4	1,985.86	1/4	2,343.94	1/4	2,701.98	1/4	3,059.96	1/4	3,417.94
1/2	223.12	1/2	563.58	1/2	920.48	1/2	1,277.16	1/2	1,635.24	1/2	1,993.32	1/2	2,351.40	1/2	2,709.44	1/2	3,067.42	1/2	3,425.40
3/4	229.70	3/4	571.03	3/4	927.88	3/4	1,284.62	3/4	1,642.70	3/4	2,000.78	3/4	2,358.86	3/4	2,716.90	3/4	3,074.88	3/4	3,432.86
11	236.29	11	578.49	11	935.28	11	1,292.08	11	1,650.16	11	2,008.24	11	2,366.32	11	2,724.36	11	3,082.34	11	3,440.32
1/4	242.96	1/4	585.94	1/4	942.68	1/4	1,299.54	1/4	1,657.62	1/4	2,015.70	1/4	2,373.78	1/4	2,731.82	1/4	3,089.79	1/4	3,447.77
1/2	249.63	1/2	593.40	1/2	950.09	1/2	1,307.00	1/2	1,665.08	1/2	2,023.16	1/2	2,381.24	1/2	2,739.27	1/2	3,097.25	1/2	3,455.23
3/4	256.30	3/4	600.86	3/4	957.49	3/4	1,314.46	3/4	1,672.54	3/4	2,030.62	3/4	2,388.70	3/4	2,746.73	3/4	3,104.71	3/4	3,462.69

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN 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 PORT
INNAGE 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	3,470.15	0	3,828.13	0	4,185.53	0	4,542.46	0	4,898.08	0		0		0		0		0	
1/4	3,477.60	1/4	3,835.58	1/4	4,192.97	1/4	4,549.90	1/4	4,905.43	1/4		1/4		1/4		1/4		1/4	
1/2	3,485.06	1/2	3,843.04	1/2	4,200.40	1/2	4,557.33	1/2	4,912.79	1/2		1/2		1/2		1/2		1/2	
3/4	3,492.52	3/4	3,850.50	3/4	4,207.84	3/4	4,564.77	3/4	4,920.14	3/4		3/4		3/4		3/4		3/4	
1	3,499.98	1	3,857.96	1	4,215.27	1	4,572.21	1	4,927.50	1		1		1		1		1	
1/4	3,507.44	1/4	3,865.42	1/4	4,222.71	1/4	4,579.64	1/4	4,934.82	1/4		1/4		1/4		1/4		1/4	
1/2	3,514.89	1/2	3,872.87	1/2	4,230.15	1/2	4,587.08	1/2	4,942.14	1/2		1/2		1/2		1/2		1/2	
3/4	3,522.35	3/4	3,880.33	3/4	4,237.58	3/4	4,594.52	3/4	4,949.46	3/4		3/4		3/4		3/4		3/4	
2	3,529.81	2	3,887.79	2	4,245.02	2	4,601.95	2	4,956.78	2		2		2		2		2	
1/4	3,537.27	1/4	3,895.25	1/4	4,252.45	1/4	4,609.39	1/4	4,963.65	1/4		1/4		1/4		1/4		1/4	
1/2	3,544.73	1/2	3,902.71	1/2	4,259.89	1/2	4,616.82	1/2	4,970.51	1/2		1/2		1/2		1/2		1/2	
3/4	3,552.18	3/4	3,910.16	3/4	4,267.33	3/4	4,624.26	3/4	4,977.37	3/4		3/4		3/4		3/4		3/4	
3	3,559.64	3	3,917.62	3	4,274.76	3	4,631.70	3	4,984.24	3		3		3		3		3	
1/4	3,567.10	1/4	3,925.08	1/4	4,282.20	1/4	4,639.13	1/4	4,990.05	1/4		1/4		1/4		1/4		1/4	
1/2	3,574.56	1/2	3,932.54	1/2	4,289.64	1/2	4,646.57	1/2	4,995.86	1/2		1/2		1/2		1/2		1/2	
3/4	3,582.02	3/4	3,939.99	3/4	4,297.07	3/4	4,654.00	3/4	5,001.67	3/4		3/4		3/4		3/4		3/4	
4	3,589.47	4	3,947.45	4	4,304.51	4	4,661.44	4	5,007.48	4		4		4		4		4	
1/4	3,596.93	1/4	3,954.91	1/4	4,311.94	1/4	4,668.88	1/4	5,012.04	1/4		1/4		1/4		1/4		1/4	
1/2	3,604.39	1/2	3,962.37	1/2	4,319.38	1/2	4,676.31	1/2	5,016.61	1/2		1/2		1/2		1/2		1/2	
3/4	3,611.85	3/4	3,969.83	3/4	4,326.82	3/4	4,683.75	3/4	5,021.18	3/4		3/4		3/4		3/4		3/4	
5	3,619.31	5	3,977.28	5	4,334.25	5	4,691.18	5	5,025.74	5		5		5		5		5	
1/4	3,626.76	1/4	3,984.73	1/4	4,341.69	1/4	4,698.62	1/4	5,029.07	1/4		1/4		1/4		1/4		1/4	
1/2	3,634.22	1/2	3,992.17	1/2	4,349.12	1/2	4,706.06	1/2	5,032.39	1/2		1/2		1/2		1/2		1/2	
3/4	3,641.68	3/4	3,999.62	3/4	4,356.56	3/4	4,713.49	3/4	5,035.72	3/4		3/4		3/4		3/4		3/4	
6	3,649.14	6	4,007.06	6	4,364.00	6	4,720.93	6	5,039.04	6		6		6		6		6	
1/4	3,656.59	1/4	4,014.50	1/4	4,371.43	1/4	4,728.37	1/4	5,041.12	1/4		1/4		1/4		1/4		1/4	
1/2	3,664.05	1/2	4,021.94	1/2	4,378.87	1/2	4,735.80	1/2	5,043.20	1/2		1/2		1/2		1/2		1/2	
3/4	3,671.51	3/4	4,029.37	3/4	4,386.30	3/4	4,743.24	3/4	5,045.28	3/4		3/4		3/4		3/4		3/4	
7	3,678.97	7	4,036.81	7	4,393.74	7	4,750.67	7	5,047.36	7		7		7		7		7	
1/4	3,686.43	1/4	4,044.24	1/4	4,401.18	1/4	4,758.07	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,693.88	1/2	4,051.68	1/2	4,408.61	1/2	4,765.47	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,701.34	3/4	4,059.12	3/4	4,416.05	3/4	4,772.87	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,708.80	8	4,066.55	8	4,423.49	8	4,780.27	8		8		8		8		8		8	
1/4	3,716.26	1/4	4,073.99	1/4	4,430.92	1/4	4,787.64	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,723.72	1/2	4,081.42	1/2	4,438.36	1/2	4,795.00	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,731.17	3/4	4,088.86	3/4	4,445.79	3/4	4,802.36	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,738.63	9	4,096.30	9	4,453.23	9	4,809.72	9		9		9		9		9		9	
1/4	3,746.09	1/4	4,103.73	1/4	4,460.67	1/4	4,817.08	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,753.55	1/2	4,111.17	1/2	4,468.10	1/2	4,824.45	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,761.01	3/4	4,118.60	3/4	4,475.54	3/4	4,831.81	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,768.46	10	4,126.04	10	4,482.97	10	4,839.17	10		10		10		10		10		10	
1/4	3,775.92	1/4	4,133.48	1/4	4,490.41	1/4	4,846.54	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,783.38	1/2	4,140.91	1/2	4,497.85	1/2	4,853.90	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,790.84	3/4	4,148.35	3/4	4,505.28	3/4	4,861.26	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,798.29	11	4,155.79	11	4,512.72	11	4,868.63	11		11		11		11		11		11	
1/4	3,805.75	1/4	4,163.22	1/4	4,520.15	1/4	4,875.99	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,813.21	1/2	4,170.66	1/2	4,527.59	1/2	4,883.35	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,820.67	3/4	4,178.09	3/4	4,535.03	3/4	4,890.71	3/4		3/4		3/4		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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BARGE "MMLP 334"

1 STBD INNAGE TABLE

10" HATCH

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30066"

GAUGE HEIGHT 17'-07 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	2.23	0	262.70	0	607.74	0	965.15	0	1,322.69	0	1,680.41	0	2,038.14	0	2,395.86	0	2,753.54	0	3,111.16
1/4	4.09	1/4	269.45	1/4	615.19	1/4	972.59	1/4	1,330.14	1/4	1,687.87	1/4	2,045.59	1/4	2,403.31	1/4	2,760.99	1/4	3,118.62
1/2	5.96	1/2	276.20	1/2	622.64	1/2	980.03	1/2	1,337.59	1/2	1,695.32	1/2	2,053.04	1/2	2,410.77	1/2	2,768.44	1/2	3,126.07
3/4	7.82	3/4	282.95	3/4	630.09	3/4	987.46	3/4	1,345.05	3/4	1,702.77	3/4	2,060.50	3/4	2,418.22	3/4	2,775.89	3/4	3,133.52
1	9.68	1	289.71	1	637.55	1	994.90	1	1,352.50	1	1,710.22	1	2,067.95	1	2,425.67	1	2,783.34	1	3,140.97
1/4	12.60	1/4	296.55	1/4	645.00	1/4	1,002.34	1/4	1,359.95	1/4	1,717.68	1/4	2,075.40	1/4	2,433.13	1/4	2,790.79	1/4	3,148.42
1/2	15.52	1/2	303.39	1/2	652.45	1/2	1,009.78	1/2	1,367.40	1/2	1,725.13	1/2	2,082.85	1/2	2,440.58	1/2	2,798.24	1/2	3,155.87
3/4	18.43	3/4	310.23	3/4	659.90	3/4	1,017.22	3/4	1,374.86	3/4	1,732.58	3/4	2,090.31	3/4	2,448.03	3/4	2,805.69	3/4	3,163.32
2	21.35	2	317.07	2	667.36	2	1,024.66	2	1,382.31	2	1,740.03	2	2,097.76	2	2,455.48	2	2,813.14	2	3,170.77
1/4	25.36	1/4	324.00	1/4	674.81	1/4	1,032.10	1/4	1,389.76	1/4	1,747.49	1/4	2,105.21	1/4	2,462.94	1/4	2,820.60	1/4	3,178.22
1/2	29.38	1/2	330.92	1/2	682.26	1/2	1,039.54	1/2	1,397.21	1/2	1,754.94	1/2	2,112.66	1/2	2,470.39	1/2	2,828.05	1/2	3,185.67
3/4	33.39	3/4	337.85	3/4	689.71	3/4	1,046.98	3/4	1,404.67	3/4	1,762.39	3/4	2,120.12	3/4	2,477.84	3/4	2,835.50	3/4	3,193.12
3	37.40	3	344.78	3	697.17	3	1,054.43	3	1,412.12	3	1,769.84	3	2,127.57	3	2,485.29	3	2,842.95	3	3,200.57
1/4	42.89	1/4	351.79	1/4	704.62	1/4	1,061.87	1/4	1,419.57	1/4	1,777.30	1/4	2,135.02	1/4	2,492.75	1/4	2,850.40	1/4	3,208.02
1/2	48.37	1/2	358.81	1/2	712.07	1/2	1,069.32	1/2	1,427.02	1/2	1,784.75	1/2	2,142.47	1/2	2,500.20	1/2	2,857.85	1/2	3,215.47
3/4	53.85	3/4	365.82	3/4	719.52	3/4	1,076.77	3/4	1,434.48	3/4	1,792.20	3/4	2,149.93	3/4	2,507.65	3/4	2,865.30	3/4	3,222.92
4	59.33	4	372.84	4	726.98	4	1,084.22	4	1,441.93	4	1,799.65	4	2,157.38	4	2,515.10	4	2,872.75	4	3,230.37
1/4	65.36	1/4	379.94	1/4	734.43	1/4	1,091.67	1/4	1,449.38	1/4	1,807.11	1/4	2,164.83	1/4	2,522.56	1/4	2,880.20	1/4	3,237.82
1/2	71.39	1/2	387.05	1/2	741.88	1/2	1,099.12	1/2	1,456.83	1/2	1,814.56	1/2	2,172.28	1/2	2,530.01	1/2	2,887.65	1/2	3,245.27
3/4	77.42	3/4	394.15	3/4	749.34	3/4	1,106.57	3/4	1,464.29	3/4	1,822.01	3/4	2,179.74	3/4	2,537.46	3/4	2,895.10	3/4	3,252.72
5	83.45	5	401.25	5	756.79	5	1,114.01	5	1,471.74	5	1,829.46	5	2,187.19	5	2,544.91	5	2,902.55	5	3,260.17
1/4	89.58	1/4	408.44	1/4	764.24	1/4	1,121.47	1/4	1,479.19	1/4	1,836.92	1/4	2,194.64	1/4	2,552.37	1/4	2,910.00	1/4	3,267.63
1/2	95.71	1/2	415.63	1/2	771.69	1/2	1,128.92	1/2	1,486.64	1/2	1,844.37	1/2	2,202.09	1/2	2,559.82	1/2	2,917.45	1/2	3,275.08
3/4	101.85	3/4	422.82	3/4	779.15	3/4	1,136.37	3/4	1,494.10	3/4	1,851.82	3/4	2,209.55	3/4	2,567.27	3/4	2,924.90	3/4	3,282.53
6	107.98	6	430.01	6	786.60	6	1,143.83	6	1,501.55	6	1,859.27	6	2,217.00	6	2,574.72	6	2,932.35	6	3,289.98
1/4	114.21	1/4	437.29	1/4	794.04	1/4	1,151.28	1/4	1,509.00	1/4	1,866.73	1/4	2,224.45	1/4	2,582.18	1/4	2,939.80	1/4	3,297.43
1/2	120.44	1/2	444.57	1/2	801.49	1/2	1,158.73	1/2	1,516.46	1/2	1,874.18	1/2	2,231.90	1/2	2,589.63	1/2	2,947.25	1/2	3,304.88
3/4	126.66	3/4	451.84	3/4	808.93	3/4	1,166.18	3/4	1,523.91	3/4	1,881.63	3/4	2,239.36	3/4	2,597.08	3/4	2,954.70	3/4	3,312.33
7	132.89	7	459.12	7	816.38	7	1,173.64	7	1,531.36	7	1,889.09	7	2,246.81	7	2,604.53	7	2,962.15	7	3,319.78
1/4	139.21	1/4	466.49	1/4	823.82	1/4	1,181.09	1/4	1,538.81	1/4	1,896.54	1/4	2,254.26	1/4	2,611.98	1/4	2,969.61	1/4	3,327.23
1/2	145.52	1/2	473.85	1/2	831.26	1/2	1,188.54	1/2	1,546.27	1/2	1,903.99	1/2	2,261.72	1/2	2,619.43	1/2	2,977.06	1/2	3,334.68
3/4	151.84	3/4	481.22	3/4	838.70	3/4	1,195.99	3/4	1,553.72	3/4	1,911.44	3/4	2,269.17	3/4	2,626.88	3/4	2,984.51	3/4	3,342.13
8	158.15	8	488.58	8	846.13	8	1,203.45	8	1,561.17	8	1,918.90	8	2,276.62	8	2,634.33	8	2,991.96	8	3,349.58
1/4	164.56	1/4	496.01	1/4	853.57	1/4	1,210.90	1/4	1,568.62	1/4	1,926.35	1/4	2,284.07	1/4	2,641.78	1/4	2,999.41	1/4	3,357.03
1/2	170.96	1/2	503.44	1/2	861.01	1/2	1,218.35	1/2	1,576.08	1/2	1,933.80	1/2	2,291.53	1/2	2,649.23	1/2	3,006.86	1/2	3,364.48
3/4	177.36	3/4	510.87	3/4	868.45	3/4	1,225.80	3/4	1,583.53	3/4	1,941.25	3/4	2,298.98	3/4	2,656.68	3/4	3,014.31	3/4	3,371.93
9	183.76	9	518.30	9	875.89	9	1,233.26	9	1,590.98	9	1,948.71	9	2,306.43	9	2,664.13	9	3,021.76	9	3,379.38
1/4	190.25	1/4	525.76	1/4	883.33	1/4	1,240.71	1/4	1,598.43	1/4	1,956.16	1/4	2,313.88	1/4	2,671.59	1/4	3,029.21	1/4	3,386.83
1/2	196.74	1/2	533.21	1/2	890.76	1/2	1,248.16	1/2	1,605.89	1/2	1,963.61	1/2	2,321.34	1/2	2,679.04	1/2	3,036.66	1/2	3,394.28
3/4	203.23	3/4	540.66	3/4	898.20	3/4	1,255.61	3/4	1,613.34	3/4	1,971.06	3/4	2,328.79	3/4	2,686.49	3/4	3,044.11	3/4	3,401.73
10	209.72	10	548.12	10	905.64	10	1,263.07	10	1,620.79	10	1,978.52	10	2,336.24	10	2,693.94	10	3,051.56	10	3,409.18
1/4	216.30	1/4	555.57	1/4	913.08	1/4	1,270.52	1/4	1,628.24	1/4	1,985.97	1/4	2,343.69	1/4	2,701.39	1/4	3,059.01	1/4	3,416.64
1/2	222.88	1/2	563.02	1/2	920.52	1/2	1,277.97	1/2	1,635.70	1/2	1,993.42	1/2	2,351.15	1/2	2,708.84	1/2	3,066.46	1/2	3,424.09
3/4	229.46	3/4	570.47	3/4	927.96	3/4	1,285.42	3/4	1,643.15	3/4	2,000.87	3/4	2,358.60	3/4	2,716.29	3/4	3,073.91	3/4	3,431.54
11	236.04	11	577.93	11	935.39	11	1,292.88	11	1,650.60	11	2,008.33	11	2,366.05	11	2,723.74	11	3,081.36	11	3,438.99
1/4	242.70	1/4	585.38	1/4	942.83	1/4	1,300.33	1/4	1,658.05	1/4	2,015.78	1/4	2,373.50	1/4	2,731.19	1/4	3,088.81	1/4	3,446.44
1/2	249.37	1/2	592.83	1/2	950.27	1/2	1,307.78	1/2	1,665.51	1/2	2,023.23	1/2	2,380.96	1/2	2,738.64	1/2	3,096.26	1/2	3,453.89
3/4	256.03	3/4	600.28	3/4	957.71	3/4	1,315.24	3/4	1,672.96	3/4	2,030.68	3/4	2,388.41	3/4	2,746.09	3/4	3,103.71	3/4	3,461.34

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

INNAGE 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	3,468.79	0	3,826.41	0	4,183.47	0	4,540.06	0	4,895.31	0		0		0		0		0	
1/4	3,476.24	1/4	3,833.86	1/4	4,190.90	1/4	4,547.48	1/4	4,902.66	1/4		1/4		1/4		1/4		1/4	
1/2	3,483.69	1/2	3,841.31	1/2	4,198.33	1/2	4,554.91	1/2	4,910.01	1/2		1/2		1/2		1/2		1/2	
3/4	3,491.14	3/4	3,848.76	3/4	4,205.76	3/4	4,562.34	3/4	4,917.36	3/4		3/4		3/4		3/4		3/4	
1	3,498.59	1	3,856.21	1	4,213.19	1	4,569.77	1	4,924.71	1		1		1		1		1	
1/4	3,506.04	1/4	3,863.67	1/4	4,220.62	1/4	4,577.20	1/4	4,932.02	1/4		1/4		1/4		1/4		1/4	
1/2	3,513.49	1/2	3,871.12	1/2	4,228.05	1/2	4,584.63	1/2	4,939.33	1/2		1/2		1/2		1/2		1/2	
3/4	3,520.94	3/4	3,878.57	3/4	4,235.48	3/4	4,592.06	3/4	4,946.65	3/4		3/4		3/4		3/4		3/4	
2	3,528.39	2	3,886.02	2	4,242.90	2	4,599.49	2	4,953.96	2		2		2		2		2	
1/4	3,535.84	1/4	3,893.47	1/4	4,250.33	1/4	4,606.92	1/4	4,960.82	1/4		1/4		1/4		1/4		1/4	
1/2	3,543.29	1/2	3,900.92	1/2	4,257.76	1/2	4,614.34	1/2	4,967.68	1/2		1/2		1/2		1/2		1/2	
3/4	3,550.74	3/4	3,908.37	3/4	4,265.19	3/4	4,621.77	3/4	4,974.53	3/4		3/4		3/4		3/4		3/4	
3	3,558.19	3	3,915.82	3	4,272.62	3	4,629.20	3	4,981.39	3		3		3		3		3	
1/4	3,565.65	1/4	3,923.27	1/4	4,280.05	1/4	4,636.63	1/4	4,987.19	1/4		1/4		1/4		1/4		1/4	
1/2	3,573.10	1/2	3,930.72	1/2	4,287.48	1/2	4,644.06	1/2	4,993.00	1/2		1/2		1/2		1/2		1/2	
3/4	3,580.55	3/4	3,938.17	3/4	4,294.91	3/4	4,651.49	3/4	4,998.80	3/4		3/4		3/4		3/4		3/4	
4	3,588.00	4	3,945.62	4	4,302.33	4	4,658.92	4	5,004.61	4		4		4		4		4	
1/4	3,595.45	1/4	3,953.07	1/4	4,309.76	1/4	4,666.35	1/4	5,009.17	1/4		1/4		1/4		1/4		1/4	
1/2	3,602.90	1/2	3,960.52	1/2	4,317.19	1/2	4,673.77	1/2	5,013.73	1/2		1/2		1/2		1/2		1/2	
3/4	3,610.35	3/4	3,967.97	3/4	4,324.62	3/4	4,681.20	3/4	5,018.29	3/4		3/4		3/4		3/4		3/4	
5	3,617.80	5	3,975.42	5	4,332.05	5	4,688.63	5	5,022.86	5		5		5		5		5	
1/4	3,625.25	1/4	3,982.86	1/4	4,339.48	1/4	4,696.06	1/4	5,026.18	1/4		1/4		1/4		1/4		1/4	
1/2	3,632.70	1/2	3,990.30	1/2	4,346.91	1/2	4,703.49	1/2	5,029.50	1/2		1/2		1/2		1/2		1/2	
3/4	3,640.15	3/4	3,997.74	3/4	4,354.34	3/4	4,710.92	3/4	5,032.82	3/4		3/4		3/4		3/4		3/4	
6	3,647.60	6	4,005.18	6	4,361.76	6	4,718.35	6	5,036.14	6		6		6		6		6	
1/4	3,655.05	1/4	4,012.61	1/4	4,369.19	1/4	4,725.78	1/4	5,038.21	1/4		1/4		1/4		1/4		1/4	
1/2	3,662.50	1/2	4,020.04	1/2	4,376.62	1/2	4,733.20	1/2	5,040.29	1/2		1/2		1/2		1/2		1/2	
3/4	3,669.95	3/4	4,027.47	3/4	4,384.05	3/4	4,740.63	3/4	5,042.37	3/4		3/4		3/4		3/4		3/4	
7	3,677.40	7	4,034.90	7	4,391.48	7	4,748.06	7	5,044.45	7		7		7		7		7	
1/4	3,684.85	1/4	4,042.33	1/4	4,398.91	1/4	4,755.45	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,692.30	1/2	4,049.76	1/2	4,406.34	1/2	4,762.85	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,699.75	3/4	4,057.18	3/4	4,413.77	3/4	4,770.24	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,707.20	8	4,064.61	8	4,421.20	8	4,777.63	8		8		8		8		8		8	
1/4	3,714.66	1/4	4,072.04	1/4	4,428.62	1/4	4,784.98	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,722.11	1/2	4,079.47	1/2	4,436.05	1/2	4,792.34	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,729.56	3/4	4,086.90	3/4	4,443.48	3/4	4,799.69	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,737.01	9	4,094.33	9	4,450.91	9	4,807.05	9		9		9		9		9		9	
1/4	3,744.46	1/4	4,101.76	1/4	4,458.34	1/4	4,814.40	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,751.91	1/2	4,109.19	1/2	4,465.77	1/2	4,821.76	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,759.36	3/4	4,116.61	3/4	4,473.20	3/4	4,829.11	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,766.81	10	4,124.04	10	4,480.63	10	4,836.47	10		10		10		10		10		10	
1/4	3,774.26	1/4	4,131.47	1/4	4,488.05	1/4	4,843.83	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,781.71	1/2	4,138.90	1/2	4,495.48	1/2	4,851.18	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,789.16	3/4	4,146.33	3/4	4,502.91	3/4	4,858.54	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,796.61	11	4,153.76	11	4,510.34	11	4,865.89	11		11		11		11		11		11	
1/4	3,804.06	1/4	4,161.19	1/4	4,517.77	1/4	4,873.25	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,811.51	1/2	4,168.62	1/2	4,525.20	1/2	4,880.60	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,818.96	3/4	4,176.04	3/4	4,532.63	3/4	4,887.96	3/4		3/4		3/4		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 PORT INNAGE 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	2.23	0	314.16	0	673.02	0	1,024.00	0	1,376.27	0	1,735.13	0	2,093.98	0	2,452.84	0	2,811.70	0	3,170.56
1/4	4.10	1/4	321.64	1/4	680.50	1/4	1,031.17	1/4	1,383.74	1/4	1,742.60	1/4	2,101.46	1/4	2,460.32	1/4	2,819.18	1/4	3,178.03
1/2	5.97	1/2	329.12	1/2	687.97	1/2	1,038.34	1/2	1,391.22	1/2	1,750.08	1/2	2,108.94	1/2	2,467.79	1/2	2,826.65	1/2	3,185.51
3/4	7.84	3/4	336.59	3/4	695.45	3/4	1,045.50	3/4	1,398.70	3/4	1,757.55	3/4	2,116.41	3/4	2,475.27	3/4	2,834.13	3/4	3,192.99
1	9.71	1	344.07	1	702.93	1	1,052.67	1	1,406.17	1	1,765.03	1	2,123.89	1	2,482.75	1	2,841.60	1	3,200.46
1/4	13.45	1/4	351.55	1/4	710.40	1/4	1,059.84	1/4	1,413.65	1/4	1,772.51	1/4	2,131.36	1/4	2,490.22	1/4	2,849.08	1/4	3,207.94
1/2	17.19	1/2	359.02	1/2	717.88	1/2	1,067.01	1/2	1,421.13	1/2	1,779.98	1/2	2,138.84	1/2	2,497.70	1/2	2,856.56	1/2	3,215.41
3/4	20.92	3/4	366.50	3/4	725.36	3/4	1,074.18	3/4	1,428.60	3/4	1,787.46	3/4	2,146.32	3/4	2,505.17	3/4	2,864.03	3/4	3,222.89
2	24.66	2	373.97	2	732.83	2	1,081.35	2	1,436.08	2	1,794.94	2	2,153.79	2	2,512.65	2	2,871.51	2	3,230.37
1/4	30.27	1/4	381.45	1/4	740.31	1/4	1,088.53	1/4	1,443.55	1/4	1,802.41	1/4	2,161.27	1/4	2,520.13	1/4	2,878.98	1/4	3,237.84
1/2	35.87	1/2	388.93	1/2	747.78	1/2	1,095.70	1/2	1,451.03	1/2	1,809.89	1/2	2,168.75	1/2	2,527.60	1/2	2,886.46	1/2	3,245.32
3/4	41.48	3/4	396.40	3/4	755.26	3/4	1,102.87	3/4	1,458.51	3/4	1,817.36	3/4	2,176.22	3/4	2,535.08	3/4	2,893.94	3/4	3,252.79
3	47.09	3	403.88	3	762.74	3	1,110.04	3	1,465.98	3	1,824.84	3	2,183.70	3	2,542.56	3	2,901.41	3	3,260.27
1/4	54.08	1/4	411.36	1/4	770.21	1/4	1,117.22	1/4	1,473.46	1/4	1,832.32	1/4	2,191.17	1/4	2,550.03	1/4	2,908.89	1/4	3,267.75
1/2	61.07	1/2	418.83	1/2	777.69	1/2	1,124.40	1/2	1,480.94	1/2	1,839.79	1/2	2,198.65	1/2	2,557.51	1/2	2,916.37	1/2	3,275.22
3/4	68.06	3/4	426.31	3/4	785.17	3/4	1,131.58	3/4	1,488.41	3/4	1,847.27	3/4	2,206.13	3/4	2,564.98	3/4	2,923.84	3/4	3,282.70
4	75.05	4	433.78	4	792.64	4	1,138.76	4	1,495.89	4	1,854.75	4	2,213.60	4	2,572.46	4	2,931.32	4	3,290.18
1/4	82.50	1/4	441.26	1/4	800.12	1/4	1,145.94	1/4	1,503.36	1/4	1,862.22	1/4	2,221.08	1/4	2,579.94	1/4	2,938.79	1/4	3,297.65
1/2	89.95	1/2	448.74	1/2	807.59	1/2	1,153.13	1/2	1,510.84	1/2	1,869.70	1/2	2,228.56	1/2	2,587.41	1/2	2,946.27	1/2	3,305.13
3/4	97.41	3/4	456.21	3/4	815.07	3/4	1,160.31	3/4	1,518.32	3/4	1,877.17	3/4	2,236.03	3/4	2,594.89	3/4	2,953.75	3/4	3,312.60
5	104.86	5	463.69	5	822.55	5	1,167.50	5	1,525.79	5	1,884.65	5	2,243.51	5	2,602.37	5	2,961.22	5	3,320.08
1/4	112.33	1/4	471.17	1/4	829.88	1/4	1,174.84	1/4	1,533.27	1/4	1,892.13	1/4	2,250.98	1/4	2,609.84	1/4	2,968.70	1/4	3,327.56
1/2	119.80	1/2	478.64	1/2	837.21	1/2	1,182.17	1/2	1,540.74	1/2	1,899.60	1/2	2,258.46	1/2	2,617.32	1/2	2,976.18	1/2	3,335.03
3/4	127.27	3/4	486.12	3/4	844.55	3/4	1,189.50	3/4	1,548.22	3/4	1,907.08	3/4	2,265.94	3/4	2,624.79	3/4	2,983.65	3/4	3,342.51
6	134.74	6	493.59	6	851.88	6	1,196.84	6	1,555.70	6	1,914.55	6	2,273.41	6	2,632.27	6	2,991.13	6	3,349.99
1/4	142.21	1/4	501.07	1/4	859.06	1/4	1,204.32	1/4	1,563.17	1/4	1,922.03	1/4	2,280.89	1/4	2,639.75	1/4	2,998.60	1/4	3,357.46
1/2	149.69	1/2	508.55	1/2	866.25	1/2	1,211.79	1/2	1,570.65	1/2	1,929.51	1/2	2,288.36	1/2	2,647.22	1/2	3,006.08	1/2	3,364.94
3/4	157.17	3/4	516.02	3/4	873.43	3/4	1,219.27	3/4	1,578.13	3/4	1,936.98	3/4	2,295.84	3/4	2,654.70	3/4	3,013.56	3/4	3,372.41
7	164.64	7	523.50	7	880.61	7	1,226.74	7	1,585.60	7	1,944.46	7	2,303.32	7	2,662.17	7	3,021.03	7	3,379.89
1/4	172.12	1/4	530.97	1/4	887.78	1/4	1,234.22	1/4	1,593.08	1/4	1,951.94	1/4	2,310.79	1/4	2,669.65	1/4	3,028.51	1/4	3,387.37
1/2	179.59	1/2	538.45	1/2	894.95	1/2	1,241.70	1/2	1,600.55	1/2	1,959.41	1/2	2,318.27	1/2	2,677.13	1/2	3,035.98	1/2	3,394.84
3/4	187.07	3/4	545.93	3/4	902.12	3/4	1,249.17	3/4	1,608.03	3/4	1,966.89	3/4	2,325.75	3/4	2,684.60	3/4	3,043.46	3/4	3,402.32
8	194.55	8	553.40	8	909.29	8	1,256.65	8	1,615.51	8	1,974.36	8	2,333.22	8	2,692.08	8	3,050.94	8	3,409.79
1/4	202.02	1/4	560.88	1/4	916.46	1/4	1,264.13	1/4	1,622.98	1/4	1,981.84	1/4	2,340.70	1/4	2,699.56	1/4	3,058.41	1/4	3,417.27
1/2	209.50	1/2	568.36	1/2	923.62	1/2	1,271.60	1/2	1,630.46	1/2	1,989.32	1/2	2,348.17	1/2	2,707.03	1/2	3,065.89	1/2	3,424.75
3/4	216.97	3/4	575.83	3/4	930.79	3/4	1,279.08	3/4	1,637.94	3/4	1,996.79	3/4	2,355.65	3/4	2,714.51	3/4	3,073.37	3/4	3,432.22
9	224.45	9	583.31	9	937.96	9	1,286.55	9	1,645.41	9	2,004.27	9	2,363.13	9	2,721.98	9	3,080.84	9	3,439.70
1/4	231.93	1/4	590.78	1/4	945.13	1/4	1,294.03	1/4	1,652.89	1/4	2,011.75	1/4	2,370.60	1/4	2,729.46	1/4	3,088.32	1/4	3,447.18
1/2	239.40	1/2	598.26	1/2	952.30	1/2	1,301.51	1/2	1,660.36	1/2	2,019.22	1/2	2,378.08	1/2	2,736.94	1/2	3,095.79	1/2	3,454.65
3/4	246.88	3/4	605.74	3/4	959.47	3/4	1,308.98	3/4	1,667.84	3/4	2,026.70	3/4	2,385.56	3/4	2,744.41	3/4	3,103.27	3/4	3,462.13
10	254.36	10	613.21	10	966.64	10	1,316.46	10	1,675.32	10	2,034.17	10	2,393.03	10	2,751.89	10	3,110.75	10	3,469.60
1/4	261.83	1/4	620.69	1/4	973.81	1/4	1,323.94	1/4	1,682.79	1/4	2,041.65	1/4	2,400.51	1/4	2,759.37	1/4	3,118.22	1/4	3,477.08
1/2	269.31	1/2	628.17	1/2	980.98	1/2	1,331.41	1/2	1,690.27	1/2	2,049.13	1/2	2,407.98	1/2	2,766.84	1/2	3,125.70	1/2	3,484.56
3/4	276.78	3/4	635.64	3/4	988.15	3/4	1,338.89	3/4	1,697.75	3/4	2,056.60	3/4	2,415.46	3/4	2,774.32	3/4	3,133.18	3/4	3,492.03
11	284.26	11	643.12	11	995.32	11	1,346.36	11	1,705.22	11	2,064.08	11	2,422.94	11	2,781.79	11	3,140.65	11	3,499.51
1/4	291.74	1/4	650.59	1/4	1,002.49	1/4	1,353.84	1/4	1,712.70	1/4	2,071.56	1/4	2,430.41	1/4	2,789.27	1/4	3,148.13	1/4	3,506.99
1/2	299.21	1/2	658.07	1/2	1,009.66	1/2	1,361.32	1/2	1,720.17	1/2	2,079.03	1/2	2,437.89	1/2	2,796.75	1/2	3,155.60	1/2	3,514.46
3/4	306.69	3/4	665.55	3/4	1,016.83	3/4	1,368.79	3/4	1,727.65	3/4	2,086.51	3/4	2,445.37	3/4	2,804.22	3/4	3,163.08	3/4	3,521.94

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

INNAGE TABLE

10" HATCH

GAUGE HEIGHT 17'-07 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30066"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	3,529.41	0	3,888.27	0	4,246.54	0	4,604.35	0	4,960.97	0		0		0		0		0	
1/4	3,536.89	1/4	3,895.75	1/4	4,254.00	1/4	4,611.81	1/4	4,968.35	1/4		1/4		1/4		1/4		1/4	
1/2	3,544.37	1/2	3,903.22	1/2	4,261.45	1/2	4,619.26	1/2	4,975.73	1/2		1/2		1/2		1/2		1/2	
3/4	3,551.84	3/4	3,910.70	3/4	4,268.91	3/4	4,626.72	3/4	4,983.11	3/4		3/4		3/4		3/4		3/4	
1	3,559.32	1	3,918.18	1	4,276.36	1	4,634.17	1	4,990.49	1		1		1		1		1	
1/4	3,566.80	1/4	3,925.65	1/4	4,283.82	1/4	4,641.63	1/4	4,997.83	1/4		1/4		1/4		1/4		1/4	
1/2	3,574.27	1/2	3,933.13	1/2	4,291.27	1/2	4,649.08	1/2	5,005.18	1/2		1/2		1/2		1/2		1/2	
3/4	3,581.75	3/4	3,940.61	3/4	4,298.72	3/4	4,656.54	3/4	5,012.52	3/4		3/4		3/4		3/4		3/4	
2	3,589.22	2	3,948.08	2	4,306.18	2	4,663.99	2	5,019.87	2		2		2		2		2	
1/4	3,596.70	1/4	3,955.56	1/4	4,313.63	1/4	4,671.44	1/4	5,026.76	1/4		1/4		1/4		1/4		1/4	
1/2	3,604.18	1/2	3,963.03	1/2	4,321.09	1/2	4,678.90	1/2	5,033.64	1/2		1/2		1/2		1/2		1/2	
3/4	3,611.65	3/4	3,970.51	3/4	4,328.54	3/4	4,686.35	3/4	5,040.53	3/4		3/4		3/4		3/4		3/4	
3	3,619.13	3	3,977.99	3	4,336.00	3	4,693.81	3	5,047.41	3		3		3		3		3	
1/4	3,626.60	1/4	3,985.46	1/4	4,343.45	1/4	4,701.26	1/4	5,053.24	1/4		1/4		1/4		1/4		1/4	
1/2	3,634.08	1/2	3,992.94	1/2	4,350.91	1/2	4,708.72	1/2	5,059.07	1/2		1/2		1/2		1/2		1/2	
3/4	3,641.56	3/4	4,000.41	3/4	4,358.36	3/4	4,716.17	3/4	5,064.90	3/4		3/4		3/4		3/4		3/4	
4	3,649.03	4	4,007.89	4	4,365.81	4	4,723.63	4	5,070.74	4		4		4		4		4	
1/4	3,656.51	1/4	4,015.37	1/4	4,373.27	1/4	4,731.08	1/4	5,075.32	1/4		1/4		1/4		1/4		1/4	
1/2	3,663.99	1/2	4,022.84	1/2	4,380.72	1/2	4,738.53	1/2	5,079.90	1/2		1/2		1/2		1/2		1/2	
3/4	3,671.46	3/4	4,030.32	3/4	4,388.18	3/4	4,745.99	3/4	5,084.49	3/4		3/4		3/4		3/4		3/4	
5	3,678.94	5	4,037.80	5	4,395.63	5	4,753.44	5	5,089.07	5		5		5		5		5	
1/4	3,686.41	1/4	4,045.26	1/4	4,403.09	1/4	4,760.90	1/4	5,092.41	1/4		1/4		1/4		1/4		1/4	
1/2	3,693.89	1/2	4,052.72	1/2	4,410.54	1/2	4,768.35	1/2	5,095.75	1/2		1/2		1/2		1/2		1/2	
3/4	3,701.37	3/4	4,060.18	3/4	4,417.99	3/4	4,775.81	3/4	5,099.09	3/4		3/4		3/4		3/4		3/4	
6	3,708.84	6	4,067.64	6	4,425.45	6	4,783.26	6	5,102.43	6		6		6		6		6	
1/4	3,716.32	1/4	4,075.09	1/4	4,432.90	1/4	4,790.71	1/4	5,104.52	1/4		1/4		1/4		1/4		1/4	
1/2	3,723.80	1/2	4,082.55	1/2	4,440.36	1/2	4,798.17	1/2	5,106.61	1/2		1/2		1/2		1/2		1/2	
3/4	3,731.27	3/4	4,090.00	3/4	4,447.81	3/4	4,805.62	3/4	5,108.70	3/4		3/4		3/4		3/4		3/4	
7	3,738.75	7	4,097.46	7	4,455.27	7	4,813.08	7	5,110.80	7		7		7		7		7	
1/4	3,746.22	1/4	4,104.91	1/4	4,462.72	1/4	4,820.50	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,753.70	1/2	4,112.36	1/2	4,470.18	1/2	4,827.92	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,761.18	3/4	4,119.82	3/4	4,477.63	3/4	4,835.35	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,768.65	8	4,127.27	8	4,485.08	8	4,842.77	8		8		8		8		8		8	
1/4	3,776.13	1/4	4,134.73	1/4	4,492.54	1/4	4,850.16	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,783.60	1/2	4,142.18	1/2	4,499.99	1/2	4,857.54	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,791.08	3/4	4,149.64	3/4	4,507.45	3/4	4,864.93	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,798.56	9	4,157.09	9	4,514.90	9	4,872.32	9		9		9		9		9		9	
1/4	3,806.03	1/4	4,164.55	1/4	4,522.36	1/4	4,879.71	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,813.51	1/2	4,172.00	1/2	4,529.81	1/2	4,887.10	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,820.99	3/4	4,179.45	3/4	4,537.27	3/4	4,894.49	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,828.46	10	4,186.91	10	4,544.72	10	4,901.87	10		10		10		10		10		10	
1/4	3,835.94	1/4	4,194.36	1/4	4,552.17	1/4	4,909.26	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,843.41	1/2	4,201.82	1/2	4,559.63	1/2	4,916.65	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,850.89	3/4	4,209.27	3/4	4,567.08	3/4	4,924.04	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,858.37	11	4,216.73	11	4,574.54	11	4,931.43	11		11		11		11		11		11	
1/4	3,865.84	1/4	4,224.18	1/4	4,581.99	1/4	4,938.81	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,873.32	1/2	4,231.63	1/2	4,589.45	1/2	4,946.20	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,880.80	3/4	4,239.09	3/4	4,596.90	3/4	4,953.59	3/4		3/4		3/4		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 INNAGE 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	2.24	0	314.51	0	673.75	0	1,032.69	0	1,391.75	0	1,751.00	0	2,110.24	0	2,469.49	0	2,828.70	0	3,187.85
1/4	4.11	1/4	321.99	1/4	681.24	1/4	1,040.16	1/4	1,399.24	1/4	1,758.48	1/4	2,117.73	1/4	2,476.98	1/4	2,836.18	1/4	3,195.33
1/2	5.98	1/2	329.48	1/2	688.72	1/2	1,047.63	1/2	1,406.72	1/2	1,765.97	1/2	2,125.21	1/2	2,484.46	1/2	2,843.66	1/2	3,202.81
3/4	7.85	3/4	336.96	3/4	696.21	3/4	1,055.10	3/4	1,414.20	3/4	1,773.45	3/4	2,132.70	3/4	2,491.94	3/4	2,851.14	3/4	3,210.30
1	9.72	1	344.44	1	703.69	1	1,062.57	1	1,421.69	1	1,780.94	1	2,140.18	1	2,499.43	1	2,858.63	1	3,217.78
1/4	13.46	1/4	351.93	1/4	711.18	1/4	1,070.04	1/4	1,429.17	1/4	1,788.42	1/4	2,147.67	1/4	2,506.91	1/4	2,866.11	1/4	3,225.26
1/2	17.21	1/2	359.41	1/2	718.66	1/2	1,077.51	1/2	1,436.66	1/2	1,795.90	1/2	2,155.15	1/2	2,514.40	1/2	2,873.59	1/2	3,232.74
3/4	20.95	3/4	366.90	3/4	726.14	3/4	1,084.98	3/4	1,444.14	3/4	1,803.39	3/4	2,162.63	3/4	2,521.88	3/4	2,881.07	3/4	3,240.22
2	24.69	2	374.38	2	733.63	2	1,092.45	2	1,451.63	2	1,810.87	2	2,170.12	2	2,529.37	2	2,888.56	2	3,247.71
1/4	30.30	1/4	381.87	1/4	741.11	1/4	1,099.93	1/4	1,459.11	1/4	1,818.36	1/4	2,177.60	1/4	2,536.85	1/4	2,896.04	1/4	3,255.19
1/2	35.91	1/2	389.35	1/2	748.60	1/2	1,107.40	1/2	1,466.59	1/2	1,825.84	1/2	2,185.09	1/2	2,544.33	1/2	2,903.52	1/2	3,262.67
3/4	41.53	3/4	396.83	3/4	756.08	3/4	1,114.88	3/4	1,474.08	3/4	1,833.33	3/4	2,192.57	3/4	2,551.82	3/4	2,911.00	3/4	3,270.15
3	47.14	3	404.32	3	763.57	3	1,122.35	3	1,481.56	3	1,840.81	3	2,200.06	3	2,559.30	3	2,918.49	3	3,277.64
1/4	54.14	1/4	411.80	1/4	771.05	1/4	1,129.83	1/4	1,489.05	1/4	1,848.29	1/4	2,207.54	1/4	2,566.79	1/4	2,925.97	1/4	3,285.12
1/2	61.13	1/2	419.29	1/2	778.53	1/2	1,137.31	1/2	1,496.53	1/2	1,855.78	1/2	2,215.02	1/2	2,574.27	1/2	2,933.45	1/2	3,292.60
3/4	68.13	3/4	426.77	3/4	786.02	3/4	1,144.79	3/4	1,504.02	3/4	1,863.26	3/4	2,222.51	3/4	2,581.76	3/4	2,940.93	3/4	3,300.08
4	75.13	4	434.26	4	793.50	4	1,152.27	4	1,511.50	4	1,870.75	4	2,229.99	4	2,589.24	4	2,948.41	4	3,307.57
1/4	82.59	1/4	441.74	1/4	800.99	1/4	1,159.75	1/4	1,518.98	1/4	1,878.23	1/4	2,237.48	1/4	2,596.72	1/4	2,955.90	1/4	3,315.05
1/2	90.05	1/2	449.22	1/2	808.47	1/2	1,167.23	1/2	1,526.47	1/2	1,885.72	1/2	2,244.96	1/2	2,604.21	1/2	2,963.38	1/2	3,322.53
3/4	97.51	3/4	456.71	3/4	815.96	3/4	1,174.71	3/4	1,533.95	3/4	1,893.20	3/4	2,252.45	3/4	2,611.69	3/4	2,970.86	3/4	3,330.01
5	104.97	5	464.19	5	823.44	5	1,182.19	5	1,541.44	5	1,900.68	5	2,259.93	5	2,619.18	5	2,978.34	5	3,337.49
1/4	112.45	1/4	471.68	1/4	830.92	1/4	1,189.68	1/4	1,548.92	1/4	1,908.17	1/4	2,267.41	1/4	2,626.66	1/4	2,985.83	1/4	3,344.98
1/2	119.93	1/2	479.16	1/2	838.41	1/2	1,197.16	1/2	1,556.41	1/2	1,915.65	1/2	2,274.90	1/2	2,634.15	1/2	2,993.31	1/2	3,352.46
3/4	127.41	3/4	486.65	3/4	845.89	3/4	1,204.64	3/4	1,563.89	3/4	1,923.14	3/4	2,282.38	3/4	2,641.63	3/4	3,000.79	3/4	3,359.94
6	134.89	6	494.13	6	853.38	6	1,212.13	6	1,571.37	6	1,930.62	6	2,289.87	6	2,649.11	6	3,008.27	6	3,367.42
1/4	142.37	1/4	501.61	1/4	860.85	1/4	1,219.61	1/4	1,578.86	1/4	1,938.11	1/4	2,297.35	1/4	2,656.60	1/4	3,015.76	1/4	3,374.91
1/2	149.85	1/2	509.10	1/2	868.33	1/2	1,227.10	1/2	1,586.34	1/2	1,945.59	1/2	2,304.84	1/2	2,664.08	1/2	3,023.24	1/2	3,382.39
3/4	157.34	3/4	516.58	3/4	875.81	3/4	1,234.58	3/4	1,593.83	3/4	1,953.07	3/4	2,312.32	3/4	2,671.57	3/4	3,030.72	3/4	3,389.87
7	164.82	7	524.07	7	883.29	7	1,242.07	7	1,601.31	7	1,960.56	7	2,319.80	7	2,679.05	7	3,038.20	7	3,397.35
1/4	172.31	1/4	531.55	1/4	890.76	1/4	1,249.55	1/4	1,608.80	1/4	1,968.04	1/4	2,327.29	1/4	2,686.53	1/4	3,045.68	1/4	3,404.84
1/2	179.79	1/2	539.04	1/2	898.23	1/2	1,257.03	1/2	1,616.28	1/2	1,975.53	1/2	2,334.77	1/2	2,694.02	1/2	3,053.17	1/2	3,412.32
3/4	187.27	3/4	546.52	3/4	905.70	3/4	1,264.52	3/4	1,623.76	3/4	1,983.01	3/4	2,342.26	3/4	2,701.50	3/4	3,060.65	3/4	3,419.80
8	194.76	8	554.00	8	913.17	8	1,272.00	8	1,631.25	8	1,990.50	8	2,349.74	8	2,708.98	8	3,068.13	8	3,427.28
1/4	202.24	1/4	561.49	1/4	920.64	1/4	1,279.49	1/4	1,638.73	1/4	1,997.98	1/4	2,357.23	1/4	2,716.46	1/4	3,075.61	1/4	3,434.76
1/2	209.73	1/2	568.97	1/2	928.11	1/2	1,286.97	1/2	1,646.22	1/2	2,005.46	1/2	2,364.71	1/2	2,723.95	1/2	3,083.10	1/2	3,442.25
3/4	217.21	3/4	576.46	3/4	935.58	3/4	1,294.46	3/4	1,653.70	3/4	2,012.95	3/4	2,372.19	3/4	2,731.43	3/4	3,090.58	3/4	3,449.73
9	224.70	9	583.94	9	943.05	9	1,301.94	9	1,661.19	9	2,020.43	9	2,379.68	9	2,738.91	9	3,098.06	9	3,457.21
1/4	232.18	1/4	591.43	1/4	950.52	1/4	1,309.42	1/4	1,668.67	1/4	2,027.92	1/4	2,387.16	1/4	2,746.39	1/4	3,105.54	1/4	3,464.69
1/2	239.66	1/2	598.91	1/2	957.99	1/2	1,316.91	1/2	1,676.16	1/2	2,035.40	1/2	2,394.65	1/2	2,753.88	1/2	3,113.03	1/2	3,472.18
3/4	247.15	3/4	606.39	3/4	965.46	3/4	1,324.39	3/4	1,683.64	3/4	2,042.89	3/4	2,402.13	3/4	2,761.36	3/4	3,120.51	3/4	3,479.66
10	254.63	10	613.88	10	972.93	10	1,331.88	10	1,691.12	10	2,050.37	10	2,409.62	10	2,768.84	10	3,127.99	10	3,487.14
1/4	262.12	1/4	621.36	1/4	980.40	1/4	1,339.36	1/4	1,698.61	1/4	2,057.85	1/4	2,417.10	1/4	2,776.32	1/4	3,135.47	1/4	3,494.62
1/2	269.60	1/2	628.85	1/2	987.87	1/2	1,346.85	1/2	1,706.09	1/2	2,065.34	1/2	2,424.59	1/2	2,783.80	1/2	3,142.95	1/2	3,502.11
3/4	277.09	3/4	636.33	3/4	995.34	3/4	1,354.33	3/4	1,713.58	3/4	2,072.82	3/4	2,432.07	3/4	2,791.29	3/4	3,150.44	3/4	3,509.59
11	284.57	11	643.82	11	1,002.81	11	1,361.81	11	1,721.06	11	2,080.31	11	2,439.55	11	2,798.77	11	3,157.92	11	3,517.07
1/4	292.05	1/4	651.30	1/4	1,010.28	1/4	1,369.30	1/4	1,728.55	1/4	2,087.79	1/4	2,447.04	1/4	2,806.25	1/4	3,165.40	1/4	3,524.55
1/2	299.54	1/2	658.79	1/2	1,017.75	1/2	1,376.78	1/2	1,736.03	1/2	2,095.28	1/2	2,454.52	1/2	2,813.73	1/2	3,172.88	1/2	3,532.03
3/4	307.02	3/4	666.27	3/4	1,025.22	3/4	1,384.27	3/4	1,743.51	3/4	2,102.76	3/4	2,462.01	3/4	2,821.22	3/4	3,180.37	3/4	3,539.52

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN 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

INNAGE TABLE 10" HATCH

GAUGE HEIGHT 17'-07"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30066"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	3,547.00	0	3,906.15	0	4,264.72	0	4,622.82	0	4,979.61	0		0		0		0		0	
1/4	3,554.48	1/4	3,913.63	1/4	4,272.18	1/4	4,630.28	1/4	4,986.99	1/4		1/4		1/4		1/4		1/4	
1/2	3,561.96	1/2	3,921.11	1/2	4,279.64	1/2	4,637.74	1/2	4,994.37	1/2		1/2		1/2		1/2		1/2	
3/4	3,569.45	3/4	3,928.60	3/4	4,287.10	3/4	4,645.20	3/4	5,001.75	3/4		3/4		3/4		3/4		3/4	
1	3,576.93	1	3,936.08	1	4,294.56	1	4,652.67	1	5,009.13	1		1		1		1		1	
1/4	3,584.41	1/4	3,943.56	1/4	4,302.02	1/4	4,660.13	1/4	5,016.48	1/4		1/4		1/4		1/4		1/4	
1/2	3,591.89	1/2	3,951.04	1/2	4,309.48	1/2	4,667.59	1/2	5,023.82	1/2		1/2		1/2		1/2		1/2	
3/4	3,599.37	3/4	3,958.53	3/4	4,316.94	3/4	4,675.05	3/4	5,031.17	3/4		3/4		3/4		3/4		3/4	
2	3,606.86	2	3,966.01	2	4,324.40	2	4,682.51	2	5,038.52	2		2		2		2		2	
1/4	3,614.34	1/4	3,973.49	1/4	4,331.86	1/4	4,689.97	1/4	5,045.40	1/4		1/4		1/4		1/4		1/4	
1/2	3,621.82	1/2	3,980.97	1/2	4,339.32	1/2	4,697.43	1/2	5,052.29	1/2		1/2		1/2		1/2		1/2	
3/4	3,629.30	3/4	3,988.45	3/4	4,346.78	3/4	4,704.89	3/4	5,059.17	3/4		3/4		3/4		3/4		3/4	
3	3,636.79	3	3,995.94	3	4,354.25	3	4,712.35	3	5,066.06	3		3		3		3		3	
1/4	3,644.27	1/4	4,003.42	1/4	4,361.71	1/4	4,719.81	1/4	5,071.89	1/4		1/4		1/4		1/4		1/4	
1/2	3,651.75	1/2	4,010.90	1/2	4,369.17	1/2	4,727.27	1/2	5,077.72	1/2		1/2		1/2		1/2		1/2	
3/4	3,659.23	3/4	4,018.38	3/4	4,376.63	3/4	4,734.73	3/4	5,083.55	3/4		3/4		3/4		3/4		3/4	
4	3,666.72	4	4,025.87	4	4,384.09	4	4,742.19	4	5,089.38	4		4		4		4		4	
1/4	3,674.20	1/4	4,033.35	1/4	4,391.55	1/4	4,749.65	1/4	5,093.96	1/4		1/4		1/4		1/4		1/4	
1/2	3,681.68	1/2	4,040.83	1/2	4,399.01	1/2	4,757.11	1/2	5,098.54	1/2		1/2		1/2		1/2		1/2	
3/4	3,689.16	3/4	4,048.31	3/4	4,406.47	3/4	4,764.57	3/4	5,103.12	3/4		3/4		3/4		3/4		3/4	
5	3,696.64	5	4,055.80	5	4,413.93	5	4,772.03	5	5,107.71	5		5		5		5		5	
1/4	3,704.13	1/4	4,063.26	1/4	4,421.39	1/4	4,779.49	1/4	5,111.04	1/4		1/4		1/4		1/4		1/4	
1/2	3,711.61	1/2	4,070.73	1/2	4,428.85	1/2	4,786.95	1/2	5,114.38	1/2		1/2		1/2		1/2		1/2	
3/4	3,719.09	3/4	4,078.20	3/4	4,436.31	3/4	4,794.41	3/4	5,117.71	3/4		3/4		3/4		3/4		3/4	
6	3,726.57	6	4,085.67	6	4,443.77	6	4,801.88	6	5,121.04	6		6		6		6		6	
1/4	3,734.06	1/4	4,093.13	1/4	4,451.23	1/4	4,809.34	1/4	5,123.13	1/4		1/4		1/4		1/4		1/4	
1/2	3,741.54	1/2	4,100.59	1/2	4,458.69	1/2	4,816.80	1/2	5,125.22	1/2		1/2		1/2		1/2		1/2	
3/4	3,749.02	3/4	4,108.05	3/4	4,466.15	3/4	4,824.26	3/4	5,127.31	3/4		3/4		3/4		3/4		3/4	
7	3,756.50	7	4,115.51	7	4,473.61	7	4,831.72	7	5,129.39	7		7		7		7		7	
1/4	3,763.99	1/4	4,122.97	1/4	4,481.07	1/4	4,839.14	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,771.47	1/2	4,130.43	1/2	4,488.53	1/2	4,846.56	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,778.95	3/4	4,137.89	3/4	4,495.99	3/4	4,853.99	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,786.43	8	4,145.35	8	4,503.46	8	4,861.41	8		8		8		8		8		8	
1/4	3,793.91	1/4	4,152.81	1/4	4,510.92	1/4	4,868.80	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,801.40	1/2	4,160.27	1/2	4,518.38	1/2	4,876.19	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,808.88	3/4	4,167.73	3/4	4,525.84	3/4	4,883.57	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,816.36	9	4,175.19	9	4,533.30	9	4,890.96	9		9		9		9		9		9	
1/4	3,823.84	1/4	4,182.65	1/4	4,540.76	1/4	4,898.35	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,831.33	1/2	4,190.11	1/2	4,548.22	1/2	4,905.73	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,838.81	3/4	4,197.57	3/4	4,555.68	3/4	4,913.12	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,846.29	10	4,205.04	10	4,563.14	10	4,920.51	10		10		10		10		10		10	
1/4	3,853.77	1/4	4,212.50	1/4	4,570.60	1/4	4,927.89	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,861.26	1/2	4,219.96	1/2	4,578.06	1/2	4,935.28	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,868.74	3/4	4,227.42	3/4	4,585.52	3/4	4,942.67	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,876.22	11	4,234.88	11	4,592.98	11	4,950.06	11		11		11		11		11		11	
1/4	3,883.70	1/4	4,242.34	1/4	4,600.44	1/4	4,957.45	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,891.18	1/2	4,249.80	1/2	4,607.90	1/2	4,964.83	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,898.67	3/4	4,257.26	3/4	4,615.36	3/4	4,972.22	3/4		3/4		3/4		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"

3 PORT INNAGE 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	2.23	0	313.01	0	670.01	0	1,019.13	0	1,370.39	0	1,727.15	0	2,083.11	0	2,439.77	0	2,796.17	0	3,152.54
1/4	4.09	1/4	320.44	1/4	677.44	1/4	1,026.28	1/4	1,377.82	1/4	1,734.57	1/4	2,090.53	1/4	2,447.19	1/4	2,803.60	1/4	3,159.97
1/2	5.95	1/2	327.88	1/2	684.88	1/2	1,033.42	1/2	1,385.25	1/2	1,741.99	1/2	2,097.95	1/2	2,454.62	1/2	2,811.02	1/2	3,167.39
3/4	7.81	3/4	335.32	3/4	692.32	3/4	1,040.56	3/4	1,392.68	3/4	1,749.42	3/4	2,105.37	3/4	2,462.05	3/4	2,818.44	3/4	3,174.82
1	9.68	1	342.76	1	699.76	1	1,047.70	1	1,400.12	1	1,756.84	1	2,112.78	1	2,469.47	1	2,825.87	1	3,182.24
1/4	13.40	1/4	350.19	1/4	707.19	1/4	1,054.84	1/4	1,407.55	1/4	1,764.26	1/4	2,120.21	1/4	2,476.90	1/4	2,833.29	1/4	3,189.65
1/2	17.13	1/2	357.63	1/2	714.63	1/2	1,061.98	1/2	1,414.98	1/2	1,771.68	1/2	2,127.64	1/2	2,484.32	1/2	2,840.72	1/2	3,197.06
3/4	20.85	3/4	365.07	3/4	722.07	3/4	1,069.12	3/4	1,422.41	3/4	1,779.09	3/4	2,135.07	3/4	2,491.75	3/4	2,848.14	3/4	3,204.47
2	24.57	2	372.51	2	729.51	2	1,076.26	2	1,429.85	2	1,786.51	2	2,142.50	2	2,499.17	2	2,855.57	2	3,211.88
1/4	30.16	1/4	379.94	1/4	736.94	1/4	1,083.44	1/4	1,437.28	1/4	1,793.92	1/4	2,149.93	1/4	2,506.60	1/4	2,862.99	1/4	3,219.28
1/2	35.75	1/2	387.38	1/2	744.38	1/2	1,090.62	1/2	1,444.71	1/2	1,801.34	1/2	2,157.36	1/2	2,514.02	1/2	2,870.42	1/2	3,226.67
3/4	41.33	3/4	394.82	3/4	751.82	3/4	1,097.79	3/4	1,452.14	3/4	1,808.76	3/4	2,164.79	3/4	2,521.45	3/4	2,877.84	3/4	3,234.07
3	46.92	3	402.26	3	759.26	3	1,104.97	3	1,459.58	3	1,816.17	3	2,172.22	3	2,528.88	3	2,885.26	3	3,241.47
1/4	53.88	1/4	409.69	1/4	766.69	1/4	1,112.18	1/4	1,467.01	1/4	1,823.59	1/4	2,179.65	1/4	2,536.30	1/4	2,892.69	1/4	3,248.86
1/2	60.85	1/2	417.13	1/2	774.13	1/2	1,119.39	1/2	1,474.44	1/2	1,831.00	1/2	2,187.08	1/2	2,543.73	1/2	2,900.11	1/2	3,256.26
3/4	67.81	3/4	424.57	3/4	781.57	3/4	1,126.60	3/4	1,481.87	3/4	1,838.42	3/4	2,194.50	3/4	2,551.15	3/4	2,907.54	3/4	3,263.65
4	74.78	4	432.01	4	789.01	4	1,133.81	4	1,489.31	4	1,845.84	4	2,201.93	4	2,558.58	4	2,914.96	4	3,271.05
1/4	82.20	1/4	439.44	1/4	796.41	1/4	1,141.03	1/4	1,496.74	1/4	1,853.25	1/4	2,209.36	1/4	2,566.00	1/4	2,922.39	1/4	3,278.45
1/2	89.63	1/2	446.88	1/2	803.82	1/2	1,148.25	1/2	1,504.17	1/2	1,860.67	1/2	2,216.79	1/2	2,573.43	1/2	2,929.81	1/2	3,285.84
3/4	97.05	3/4	454.32	3/4	811.22	3/4	1,155.47	3/4	1,511.60	3/4	1,868.08	3/4	2,224.22	3/4	2,580.85	3/4	2,937.24	3/4	3,293.24
5	104.48	5	461.76	5	818.63	5	1,162.69	5	1,519.04	5	1,875.50	5	2,231.65	5	2,588.28	5	2,944.66	5	3,300.63
1/4	111.92	1/4	469.19	1/4	825.90	1/4	1,170.02	1/4	1,526.47	1/4	1,882.92	1/4	2,239.08	1/4	2,595.71	1/4	2,952.08	1/4	3,308.03
1/2	119.37	1/2	476.63	1/2	833.16	1/2	1,177.35	1/2	1,533.90	1/2	1,890.33	1/2	2,246.51	1/2	2,603.13	1/2	2,959.51	1/2	3,315.43
3/4	126.81	3/4	484.07	3/4	840.43	3/4	1,184.68	3/4	1,541.33	3/4	1,897.75	3/4	2,253.94	3/4	2,610.56	3/4	2,966.93	3/4	3,322.82
6	134.25	6	491.51	6	847.70	6	1,192.01	6	1,548.77	6	1,905.17	6	2,261.37	6	2,617.98	6	2,974.36	6	3,330.22
1/4	141.70	1/4	498.94	1/4	854.85	1/4	1,199.44	1/4	1,556.20	1/4	1,912.58	1/4	2,268.80	1/4	2,625.41	1/4	2,981.78	1/4	3,337.61
1/2	149.15	1/2	506.38	1/2	862.01	1/2	1,206.87	1/2	1,563.63	1/2	1,920.00	1/2	2,276.23	1/2	2,632.83	1/2	2,989.21	1/2	3,345.01
3/4	156.60	3/4	513.82	3/4	869.16	3/4	1,214.30	3/4	1,571.06	3/4	1,927.41	3/4	2,283.66	3/4	2,640.26	3/4	2,996.63	3/4	3,352.40
7	164.05	7	521.26	7	876.31	7	1,221.74	7	1,578.50	7	1,934.83	7	2,291.09	7	2,647.68	7	3,004.05	7	3,359.79
1/4	171.50	1/4	528.69	1/4	883.45	1/4	1,229.17	1/4	1,585.93	1/4	1,942.25	1/4	2,298.53	1/4	2,655.11	1/4	3,011.48	1/4	3,367.18
1/2	178.95	1/2	536.13	1/2	890.59	1/2	1,236.60	1/2	1,593.36	1/2	1,949.66	1/2	2,305.96	1/2	2,662.53	1/2	3,018.90	1/2	3,374.57
3/4	186.39	3/4	543.57	3/4	897.74	3/4	1,244.03	3/4	1,600.79	3/4	1,957.08	3/4	2,313.40	3/4	2,669.96	3/4	3,026.33	3/4	3,381.95
8	193.84	8	551.01	8	904.88	8	1,251.47	8	1,608.23	8	1,964.49	8	2,320.83	8	2,677.38	8	3,033.75	8	3,389.34
1/4	201.29	1/4	558.44	1/4	912.02	1/4	1,258.90	1/4	1,615.66	1/4	1,971.91	1/4	2,328.27	1/4	2,684.81	1/4	3,041.18	1/4	3,396.61
1/2	208.74	1/2	565.88	1/2	919.16	1/2	1,266.33	1/2	1,623.09	1/2	1,979.33	1/2	2,335.70	1/2	2,692.23	1/2	3,048.60	1/2	3,403.88
3/4	216.19	3/4	573.32	3/4	926.30	3/4	1,273.76	3/4	1,630.52	3/4	1,986.74	3/4	2,343.14	3/4	2,699.65	3/4	3,056.03	3/4	3,411.15
9	223.64	9	580.76	9	933.44	9	1,281.20	9	1,637.96	9	1,994.16	9	2,350.57	9	2,707.08	9	3,063.45	9	3,418.42
1/4	231.09	1/4	588.19	1/4	940.58	1/4	1,288.63	1/4	1,645.39	1/4	2,001.57	1/4	2,358.00	1/4	2,714.50	1/4	3,070.87	1/4	3,425.33
1/2	238.54	1/2	595.63	1/2	947.72	1/2	1,296.06	1/2	1,652.82	1/2	2,008.99	1/2	2,365.44	1/2	2,721.93	1/2	3,078.30	1/2	3,432.25
3/4	245.99	3/4	603.07	3/4	954.86	3/4	1,303.49	3/4	1,660.25	3/4	2,016.41	3/4	2,372.87	3/4	2,729.35	3/4	3,085.72	3/4	3,439.17
10	253.44	10	610.51	10	962.01	10	1,310.93	10	1,667.69	10	2,023.82	10	2,380.31	10	2,736.78	10	3,093.15	10	3,446.08
1/4	260.89	1/4	617.94	1/4	969.15	1/4	1,318.36	1/4	1,675.12	1/4	2,031.24	1/4	2,387.74	1/4	2,744.20	1/4	3,100.57	1/4	3,452.52
1/2	268.33	1/2	625.38	1/2	976.29	1/2	1,325.79	1/2	1,682.55	1/2	2,038.65	1/2	2,395.18	1/2	2,751.63	1/2	3,108.00	1/2	3,458.96
3/4	275.78	3/4	632.82	3/4	983.43	3/4	1,333.22	3/4	1,689.98	3/4	2,046.06	3/4	2,402.61	3/4	2,759.05	3/4	3,115.42	3/4	3,465.40
11	283.23	11	640.26	11	990.57	11	1,340.66	11	1,697.42	11	2,053.47	11	2,410.05	11	2,766.47	11	3,122.85	11	3,471.84
1/4	290.68	1/4	647.69	1/4	997.71	1/4	1,348.09	1/4	1,704.85	1/4	2,060.88	1/4	2,417.48	1/4	2,773.90	1/4	3,130.27	1/4	3,477.81
1/2	298.12	1/2	655.13	1/2	1,004.85	1/2	1,355.52	1/2	1,712.28	1/2	2,068.29	1/2	2,424.91	1/2	2,781.32	1/2	3,137.69	1/2	3,483.77
3/4	305.56	3/4	662.57	3/4	1,011.99	3/4	1,362.95	3/4	1,719.71	3/4	2,075.70	3/4	2,432.34	3/4	2,788.75	3/4	3,145.12	3/4	3,489.74

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

INNAGE 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	3,495.71	0	3,721.20	0	3,940.36	0	4,159.23	0	4,377.31	0		0		0		0		0	
1/4	3,501.20	1/4	3,725.77	1/4	3,944.92	1/4	4,163.79	1/4	4,381.82	1/4		1/4		1/4		1/4		1/4	
1/2	3,506.70	1/2	3,730.34	1/2	3,949.48	1/2	4,168.35	1/2	4,386.33	1/2		1/2		1/2		1/2		1/2	
3/4	3,512.19	3/4	3,734.92	3/4	3,954.04	3/4	4,172.91	3/4	4,390.85	3/4		3/4		3/4		3/4		3/4	
1	3,517.68	1	3,739.49	1	3,958.60	1	4,177.47	1	4,395.36	1		1		1		1		1	
1/4	3,522.72	1/4	3,744.06	1/4	3,963.16	1/4	4,182.03	1/4	4,399.85	1/4		1/4		1/4		1/4		1/4	
1/2	3,527.75	1/2	3,748.64	1/2	3,967.72	1/2	4,186.59	1/2	4,404.34	1/2		1/2		1/2		1/2		1/2	
3/4	3,532.78	3/4	3,753.21	3/4	3,972.28	3/4	4,191.15	3/4	4,408.83	3/4		3/4		3/4		3/4		3/4	
2	3,537.82	2	3,757.78	2	3,976.84	2	4,195.71	2	4,413.32	2		2		2		2		2	
1/4	3,542.51	1/4	3,762.35	1/4	3,981.40	1/4	4,200.27	1/4	4,417.53	1/4		1/4		1/4		1/4		1/4	
1/2	3,547.20	1/2	3,766.93	1/2	3,985.96	1/2	4,204.83	1/2	4,421.73	1/2		1/2		1/2		1/2		1/2	
3/4	3,551.89	3/4	3,771.50	3/4	3,990.52	3/4	4,209.39	3/4	4,425.94	3/4		3/4		3/4		3/4		3/4	
3	3,556.59	3	3,776.07	3	3,995.08	3	4,213.95	3	4,430.15	3		3		3		3		3	
1/4	3,561.16	1/4	3,780.64	1/4	3,999.64	1/4	4,218.51	1/4	4,433.71	1/4		1/4		1/4		1/4		1/4	
1/2	3,565.73	1/2	3,785.22	1/2	4,004.20	1/2	4,223.07	1/2	4,437.28	1/2		1/2		1/2		1/2		1/2	
3/4	3,570.30	3/4	3,789.79	3/4	4,008.76	3/4	4,227.63	3/4	4,440.84	3/4		3/4		3/4		3/4		3/4	
4	3,574.88	4	3,794.36	4	4,013.32	4	4,232.19	4	4,444.40	4		4		4		4		4	
1/4	3,579.45	1/4	3,798.93	1/4	4,017.88	1/4	4,236.75	1/4	4,447.21	1/4		1/4		1/4		1/4		1/4	
1/2	3,584.02	1/2	3,803.51	1/2	4,022.44	1/2	4,241.31	1/2	4,450.01	1/2		1/2		1/2		1/2		1/2	
3/4	3,588.59	3/4	3,808.08	3/4	4,027.00	3/4	4,245.87	3/4	4,452.81	3/4		3/4		3/4		3/4		3/4	
5	3,593.17	5	3,812.65	5	4,031.56	5	4,250.43	5	4,455.61	5		5		5		5		5	
1/4	3,597.74	1/4	3,817.22	1/4	4,036.11	1/4	4,254.99	1/4	4,457.65	1/4		1/4		1/4		1/4		1/4	
1/2	3,602.31	1/2	3,821.79	1/2	4,040.67	1/2	4,259.55	1/2	4,459.68	1/2		1/2		1/2		1/2		1/2	
3/4	3,606.88	3/4	3,826.35	3/4	4,045.23	3/4	4,264.11	3/4	4,461.72	3/4		3/4		3/4		3/4		3/4	
6	3,611.46	6	3,830.92	6	4,049.79	6	4,268.67	6	4,463.76	6		6		6		6		6	
1/4	3,616.03	1/4	3,835.48	1/4	4,054.35	1/4	4,273.23	1/4	4,465.04	1/4		1/4		1/4		1/4		1/4	
1/2	3,620.60	1/2	3,840.04	1/2	4,058.91	1/2	4,277.79	1/2	4,466.31	1/2		1/2		1/2		1/2		1/2	
3/4	3,625.17	3/4	3,844.60	3/4	4,063.47	3/4	4,282.35	3/4	4,467.59	3/4		3/4		3/4		3/4		3/4	
7	3,629.75	7	3,849.16	7	4,068.03	7	4,286.91	7	4,468.87	7		7		7		7		7	
1/4	3,634.32	1/4	3,853.72	1/4	4,072.59	1/4	4,291.45	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,638.89	1/2	3,858.28	1/2	4,077.15	1/2	4,295.99	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,643.47	3/4	3,862.84	3/4	4,081.71	3/4	4,300.53	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,648.04	8	3,867.40	8	4,086.27	8	4,305.07	8		8		8		8		8		8	
1/4	3,652.61	1/4	3,871.96	1/4	4,090.83	1/4	4,309.58	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,657.18	1/2	3,876.52	1/2	4,095.39	1/2	4,314.10	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,661.76	3/4	3,881.08	3/4	4,099.95	3/4	4,318.61	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,666.33	9	3,885.64	9	4,104.51	9	4,323.13	9		9		9		9		9		9	
1/4	3,670.90	1/4	3,890.20	1/4	4,109.07	1/4	4,327.64	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,675.47	1/2	3,894.76	1/2	4,113.63	1/2	4,332.15	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,680.05	3/4	3,899.32	3/4	4,118.19	3/4	4,336.67	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,684.62	10	3,903.88	10	4,122.75	10	4,341.18	10		10		10		10		10		10	
1/4	3,689.19	1/4	3,908.44	1/4	4,127.31	1/4	4,345.70	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,693.76	1/2	3,913.00	1/2	4,131.87	1/2	4,350.22	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,698.34	3/4	3,917.56	3/4	4,136.43	3/4	4,354.73	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,702.91	11	3,922.12	11	4,140.99	11	4,359.25	11		11		11		11		11		11	
1/4	3,707.48	1/4	3,926.68	1/4	4,145.55	1/4	4,363.76	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,712.05	1/2	3,931.24	1/2	4,150.11	1/2	4,368.28	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,716.63	3/4	3,935.80	3/4	4,154.67	3/4	4,372.79	3/4		3/4		3/4		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"

3 STBD INNAGE 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	2.23	0	312.92	0	670.34	0	1,027.47	0	1,384.72	0	1,742.16	0	2,099.61	0	2,457.03	0	2,814.01	0	3,170.96
1/4	4.09	1/4	320.36	1/4	677.79	1/4	1,034.90	1/4	1,392.17	1/4	1,749.61	1/4	2,107.05	1/4	2,464.47	1/4	2,821.45	1/4	3,178.39
1/2	5.95	1/2	327.81	1/2	685.24	1/2	1,042.34	1/2	1,399.62	1/2	1,757.06	1/2	2,114.50	1/2	2,471.91	1/2	2,828.88	1/2	3,185.83
3/4	7.81	3/4	335.26	3/4	692.68	3/4	1,049.77	3/4	1,407.06	3/4	1,764.50	3/4	2,121.95	3/4	2,479.34	3/4	2,836.32	3/4	3,193.27
1	9.67	1	342.70	1	700.13	1	1,057.20	1	1,414.51	1	1,771.95	1	2,129.39	1	2,486.78	1	2,843.76	1	3,200.70
1/4	13.40	1/4	350.15	1/4	707.58	1/4	1,064.63	1/4	1,421.96	1/4	1,779.40	1/4	2,136.84	1/4	2,494.22	1/4	2,851.19	1/4	3,208.13
1/2	17.12	1/2	357.60	1/2	715.02	1/2	1,072.07	1/2	1,429.40	1/2	1,786.84	1/2	2,144.29	1/2	2,501.66	1/2	2,858.63	1/2	3,215.55
3/4	20.84	3/4	365.04	3/4	722.47	3/4	1,079.50	3/4	1,436.85	3/4	1,794.29	3/4	2,151.73	3/4	2,509.09	3/4	2,866.07	3/4	3,222.97
2	24.57	2	372.49	2	729.92	2	1,086.93	2	1,444.30	2	1,801.74	2	2,159.18	2	2,516.53	2	2,873.50	2	3,230.39
1/4	30.15	1/4	379.94	1/4	737.36	1/4	1,094.37	1/4	1,451.74	1/4	1,809.18	1/4	2,166.63	1/4	2,523.97	1/4	2,880.94	1/4	3,237.80
1/2	35.73	1/2	387.38	1/2	744.81	1/2	1,101.80	1/2	1,459.19	1/2	1,816.63	1/2	2,174.07	1/2	2,531.41	1/2	2,888.37	1/2	3,245.21
3/4	41.32	3/4	394.83	3/4	752.26	3/4	1,109.24	3/4	1,466.64	3/4	1,824.08	3/4	2,181.52	3/4	2,538.84	3/4	2,895.81	3/4	3,252.62
3	46.90	3	402.27	3	759.70	3	1,116.68	3	1,474.08	3	1,831.53	3	2,188.97	3	2,546.28	3	2,903.25	3	3,260.03
1/4	53.86	1/4	409.72	1/4	767.15	1/4	1,124.12	1/4	1,481.53	1/4	1,838.97	1/4	2,196.41	1/4	2,553.72	1/4	2,910.68	1/4	3,267.43
1/2	60.83	1/2	417.17	1/2	774.59	1/2	1,131.56	1/2	1,488.98	1/2	1,846.42	1/2	2,203.86	1/2	2,561.16	1/2	2,918.12	1/2	3,274.84
3/4	67.79	3/4	424.61	3/4	782.04	3/4	1,139.00	3/4	1,496.42	3/4	1,853.87	3/4	2,211.31	3/4	2,568.60	3/4	2,925.56	3/4	3,282.25
4	74.75	4	432.06	4	789.49	4	1,146.44	4	1,503.87	4	1,861.31	4	2,218.75	4	2,576.03	4	2,932.99	4	3,289.66
1/4	82.17	1/4	439.51	1/4	796.93	1/4	1,153.88	1/4	1,511.32	1/4	1,868.76	1/4	2,226.20	1/4	2,583.47	1/4	2,940.43	1/4	3,297.07
1/2	89.60	1/2	446.95	1/2	804.38	1/2	1,161.33	1/2	1,518.76	1/2	1,876.21	1/2	2,233.65	1/2	2,590.91	1/2	2,947.87	1/2	3,304.47
3/4	97.02	3/4	454.40	3/4	811.83	3/4	1,168.77	3/4	1,526.21	3/4	1,883.65	3/4	2,241.09	3/4	2,598.35	3/4	2,955.30	3/4	3,311.88
5	104.44	5	461.85	5	819.27	5	1,176.22	5	1,533.66	5	1,891.10	5	2,248.54	5	2,605.78	5	2,962.74	5	3,319.29
1/4	111.88	1/4	469.29	1/4	826.72	1/4	1,183.66	1/4	1,541.10	1/4	1,898.55	1/4	2,255.99	1/4	2,613.22	1/4	2,970.17	1/4	3,326.70
1/2	119.32	1/2	476.74	1/2	834.17	1/2	1,191.11	1/2	1,548.55	1/2	1,905.99	1/2	2,263.43	1/2	2,620.66	1/2	2,977.61	1/2	3,334.11
3/4	126.77	3/4	484.18	3/4	841.61	3/4	1,198.56	3/4	1,556.00	3/4	1,913.44	3/4	2,270.88	3/4	2,628.10	3/4	2,985.05	3/4	3,341.51
6	134.21	6	491.63	6	849.06	6	1,206.00	6	1,563.44	6	1,920.89	6	2,278.33	6	2,635.53	6	2,992.48	6	3,348.92
1/4	141.65	1/4	499.08	1/4	856.50	1/4	1,213.45	1/4	1,570.89	1/4	1,928.33	1/4	2,285.77	1/4	2,642.97	1/4	2,999.92	1/4	3,356.33
1/2	149.10	1/2	506.52	1/2	863.94	1/2	1,220.90	1/2	1,578.34	1/2	1,935.78	1/2	2,293.22	1/2	2,650.41	1/2	3,007.36	1/2	3,363.73
3/4	156.54	3/4	513.97	3/4	871.38	3/4	1,228.34	3/4	1,585.78	3/4	1,943.23	3/4	2,300.67	3/4	2,657.85	3/4	3,014.79	3/4	3,371.14
7	163.99	7	521.42	7	878.82	7	1,235.79	7	1,593.23	7	1,950.67	7	2,308.11	7	2,665.28	7	3,022.23	7	3,378.55
1/4	171.44	1/4	528.86	1/4	886.26	1/4	1,243.24	1/4	1,600.68	1/4	1,958.12	1/4	2,315.56	1/4	2,672.72	1/4	3,029.67	1/4	3,385.95
1/2	178.88	1/2	536.31	1/2	893.69	1/2	1,250.68	1/2	1,608.12	1/2	1,965.57	1/2	2,323.01	1/2	2,680.15	1/2	3,037.10	1/2	3,393.34
3/4	186.33	3/4	543.76	3/4	901.12	3/4	1,258.13	3/4	1,615.57	3/4	1,973.01	3/4	2,330.45	3/4	2,687.59	3/4	3,044.54	3/4	3,400.74
8	193.78	8	551.20	8	908.55	8	1,265.58	8	1,623.02	8	1,980.46	8	2,337.90	8	2,695.03	8	3,051.98	8	3,408.14
1/4	201.22	1/4	558.65	1/4	915.99	1/4	1,273.02	1/4	1,630.46	1/4	1,987.91	1/4	2,345.35	1/4	2,702.46	1/4	3,059.41	1/4	3,415.42
1/2	208.67	1/2	566.10	1/2	923.42	1/2	1,280.47	1/2	1,637.91	1/2	1,995.35	1/2	2,352.79	1/2	2,709.90	1/2	3,066.85	1/2	3,422.71
3/4	216.11	3/4	573.54	3/4	930.85	3/4	1,287.92	3/4	1,645.36	3/4	2,002.80	3/4	2,360.24	3/4	2,717.34	3/4	3,074.28	3/4	3,429.99
9	223.56	9	580.99	9	938.28	9	1,295.36	9	1,652.80	9	2,010.25	9	2,367.69	9	2,724.77	9	3,081.72	9	3,437.27
1/4	231.01	1/4	588.43	1/4	945.71	1/4	1,302.81	1/4	1,660.25	1/4	2,017.69	1/4	2,375.13	1/4	2,732.21	1/4	3,089.16	1/4	3,444.20
1/2	238.45	1/2	595.88	1/2	953.15	1/2	1,310.26	1/2	1,667.70	1/2	2,025.14	1/2	2,382.58	1/2	2,739.65	1/2	3,096.59	1/2	3,451.13
3/4	245.90	3/4	603.33	3/4	960.58	3/4	1,317.70	3/4	1,675.14	3/4	2,032.59	3/4	2,390.03	3/4	2,747.08	3/4	3,104.03	3/4	3,458.05
10	253.35	10	610.77	10	968.01	10	1,325.15	10	1,682.59	10	2,040.03	10	2,397.47	10	2,754.52	10	3,111.47	10	3,464.98
1/4	260.79	1/4	618.22	1/4	975.44	1/4	1,332.60	1/4	1,690.04	1/4	2,047.48	1/4	2,404.92	1/4	2,761.96	1/4	3,118.90	1/4	3,471.43
1/2	268.24	1/2	625.67	1/2	982.88	1/2	1,340.04	1/2	1,697.48	1/2	2,054.93	1/2	2,412.37	1/2	2,769.39	1/2	3,126.34	1/2	3,477.88
3/4	275.69	3/4	633.11	3/4	990.31	3/4	1,347.49	3/4	1,704.93	3/4	2,062.37	3/4	2,419.81	3/4	2,776.83	3/4	3,133.78	3/4	3,484.33
11	283.13	11	640.56	11	997.74	11	1,354.94	11	1,712.38	11	2,069.82	11	2,427.26	11	2,784.26	11	3,141.21	11	3,490.78
1/4	290.58	1/4	648.01	1/4	1,005.17	1/4	1,362.38	1/4	1,719.82	1/4	2,077.27	1/4	2,434.70	1/4	2,791.70	1/4	3,148.65	1/4	3,496.75
1/2	298.02	1/2	655.45	1/2	1,012.61	1/2	1,369.83	1/2	1,727.27	1/2	2,084.71	1/2	2,442.15	1/2	2,799.14	1/2	3,156.08	1/2	3,502.73
3/4	305.47	3/4	662.90	3/4	1,020.04	3/4	1,377.28	3/4	1,734.72	3/4	2,092.16	3/4	2,449.59	3/4	2,806.57	3/4	3,163.52	3/4	3,508.70

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

INNAGE TABLE 10" HATCH

GAUGE HEIGHT 17'-07"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30066"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	3,514.67	0	3,740.12	0	3,959.23	0	4,178.07	0	4,396.09	0		0		0		0		0	
1/4	3,520.16	1/4	3,744.69	1/4	3,963.79	1/4	4,182.63	1/4	4,400.60	1/4		1/4		1/4		1/4		1/4	
1/2	3,525.65	1/2	3,749.26	1/2	3,968.35	1/2	4,187.18	1/2	4,405.11	1/2		1/2		1/2		1/2		1/2	
3/4	3,531.15	3/4	3,753.83	3/4	3,972.91	3/4	4,191.74	3/4	4,409.62	3/4		3/4		3/4		3/4		3/4	
1	3,536.64	1	3,758.40	1	3,977.47	1	4,196.30	1	4,414.13	1		1		1		1		1	
1/4	3,541.67	1/4	3,762.97	1/4	3,982.02	1/4	4,200.86	1/4	4,418.62	1/4		1/4		1/4		1/4		1/4	
1/2	3,546.70	1/2	3,767.55	1/2	3,986.58	1/2	4,205.42	1/2	4,423.11	1/2		1/2		1/2		1/2		1/2	
3/4	3,551.73	3/4	3,772.12	3/4	3,991.14	3/4	4,209.98	3/4	4,427.60	3/4		3/4		3/4		3/4		3/4	
2	3,556.77	2	3,776.69	2	3,995.70	2	4,214.54	2	4,432.09	2		2		2		2		2	
1/4	3,561.46	1/4	3,781.26	1/4	4,000.26	1/4	4,219.10	1/4	4,436.30	1/4		1/4		1/4		1/4		1/4	
1/2	3,566.15	1/2	3,785.83	1/2	4,004.82	1/2	4,223.66	1/2	4,440.50	1/2		1/2		1/2		1/2		1/2	
3/4	3,570.84	3/4	3,790.41	3/4	4,009.38	3/4	4,228.22	3/4	4,444.71	3/4		3/4		3/4		3/4		3/4	
3	3,575.53	3	3,794.98	3	4,013.94	3	4,232.78	3	4,448.92	3		3		3		3		3	
1/4	3,580.10	1/4	3,799.55	1/4	4,018.50	1/4	4,237.33	1/4	4,452.48	1/4		1/4		1/4		1/4		1/4	
1/2	3,584.67	1/2	3,804.12	1/2	4,023.06	1/2	4,241.89	1/2	4,456.04	1/2		1/2		1/2		1/2		1/2	
3/4	3,589.25	3/4	3,808.69	3/4	4,027.62	3/4	4,246.45	3/4	4,459.61	3/4		3/4		3/4		3/4		3/4	
4	3,593.82	4	3,813.26	4	4,032.18	4	4,251.01	4	4,463.17	4		4		4		4		4	
1/4	3,598.39	1/4	3,817.84	1/4	4,036.73	1/4	4,255.57	1/4	4,465.97	1/4		1/4		1/4		1/4		1/4	
1/2	3,602.96	1/2	3,822.41	1/2	4,041.29	1/2	4,260.13	1/2	4,468.77	1/2		1/2		1/2		1/2		1/2	
3/4	3,607.53	3/4	3,826.98	3/4	4,045.85	3/4	4,264.69	3/4	4,471.57	3/4		3/4		3/4		3/4		3/4	
5	3,612.11	5	3,831.55	5	4,050.41	5	4,269.25	5	4,474.37	5		5		5		5		5	
1/4	3,616.68	1/4	3,836.12	1/4	4,054.97	1/4	4,273.81	1/4	4,476.41	1/4		1/4		1/4		1/4		1/4	
1/2	3,621.25	1/2	3,840.68	1/2	4,059.53	1/2	4,278.37	1/2	4,478.45	1/2		1/2		1/2		1/2		1/2	
3/4	3,625.82	3/4	3,845.25	3/4	4,064.09	3/4	4,282.93	3/4	4,480.48	3/4		3/4		3/4		3/4		3/4	
6	3,630.39	6	3,849.81	6	4,068.65	6	4,287.48	6	4,482.52	6		6		6		6		6	
1/4	3,634.96	1/4	3,854.37	1/4	4,073.21	1/4	4,292.04	1/4	4,483.80	1/4		1/4		1/4		1/4		1/4	
1/2	3,639.54	1/2	3,858.93	1/2	4,077.77	1/2	4,296.60	1/2	4,485.07	1/2		1/2		1/2		1/2		1/2	
3/4	3,644.11	3/4	3,863.49	3/4	4,082.33	3/4	4,301.16	3/4	4,486.35	3/4		3/4		3/4		3/4		3/4	
7	3,648.68	7	3,868.05	7	4,086.88	7	4,305.72	7	4,487.63	7		7		7		7		7	
1/4	3,653.25	1/4	3,872.61	1/4	4,091.44	1/4	4,310.26	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,657.82	1/2	3,877.17	1/2	4,096.00	1/2	4,314.79	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,662.40	3/4	3,881.72	3/4	4,100.56	3/4	4,319.33	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,666.97	8	3,886.28	8	4,105.12	8	4,323.86	8		8		8		8		8		8	
1/4	3,671.54	1/4	3,890.84	1/4	4,109.68	1/4	4,328.38	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,676.11	1/2	3,895.40	1/2	4,114.24	1/2	4,332.89	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,680.68	3/4	3,899.96	3/4	4,118.80	3/4	4,337.41	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,685.25	9	3,904.52	9	4,123.36	9	4,341.92	9		9		9		9		9		9	
1/4	3,689.83	1/4	3,909.08	1/4	4,127.92	1/4	4,346.43	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,694.40	1/2	3,913.64	1/2	4,132.48	1/2	4,350.95	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,698.97	3/4	3,918.20	3/4	4,137.03	3/4	4,355.46	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,703.54	10	3,922.76	10	4,141.59	10	4,359.98	10		10		10		10		10		10	
1/4	3,708.11	1/4	3,927.32	1/4	4,146.15	1/4	4,364.49	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,712.69	1/2	3,931.87	1/2	4,150.71	1/2	4,369.01	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,717.26	3/4	3,936.43	3/4	4,155.27	3/4	4,373.52	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,721.83	11	3,940.99	11	4,159.83	11	4,378.03	11		11		11		11		11		11	
1/4	3,726.40	1/4	3,945.55	1/4	4,164.39	1/4	4,382.55	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,730.97	1/2	3,950.11	1/2	4,168.95	1/2	4,387.06	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,735.54	3/4	3,954.67	3/4	4,173.51	3/4	4,391.58	3/4		3/4		3/4		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

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