BARGE "MMLP 334"

ULLAGE (HERMETIC)
FORMERLY "SMS 30066"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT	=	2'-00"	
AFT DRAFT	=	7'-00"	
DIFF.	=	5'-00"	(DOWN BY STERN)

THE CORRECTION FOR 5'-00" TRIM DOWN BY STERN FOR 2 PORT IS - 00-1/8"
FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 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
ULLAGE TABLE

HERMETIC
GAUGE HEIGHT 15'-09"

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	4,853.89	0	4,497.84	0	4,140.91	0	3,783.37	0	3,425.39	0	3,067.41	0	2,709.43	0	2,351.38
1/4		1/4		1/4	4,846.53	1/4	4,490.41	1/4	4,133.47	1/4	3,775.91	1/4	3,417.93	1/4	3,059.95	1/4	2,701.97	1/4	2,343.92
1/2		1/2		1/2	4,839.17	1/2	4,482.97	1/2	4,126.04	1/2	3,768.45	1/2	3,410.47	1/2	3,052.49	1/2	2,694.51	1/2	2,336.46
3/4		3/4		3/4	4,831.80	3/4	4,475.53	3/4	4,118.60	3/4	3,760.99	3/4	3,403.01	3/4	3,045.03	3/4	2,687.05	3/4	2,329.00
1		1		1	4,824.44	1	4,468.10	1	4,111.16	1	3,753.53	1	3,395.55	1	3,037.58	1	2,679.60	1	2,321.54
1/4		1/4		1/4	4,817.08	1/4	4,460.66	1/4	4,103.73	1/4	3,746.08	1/4	3,388.10	1/4	3,030.12	1/4	2,672.14	1/4	2,314.08
1/2		1/2		1/2	4,809.72	1/2	4,453.22	1/2	4,096.29	1/2	3,738.62	1/2	3,380.64	1/2	3,022.66	1/2	2,664.68	1/2	2,306.63
3/4		3/4		3/4	4,802.35	3/4	4,445.79	3/4	4,088.86	3/4	3,731.16	3/4	3,373.18	3/4	3,015.20	3/4	2,657.22	3/4	2,299.17
2		2		2	4,794.99	2	4,438.35	2	4,081.42	2	3,723.70	2	3,365.72	2	3,007.74	2	2,649.76	2	2,291.71
1/4		1/4		1/4	4,787.63	1/4	4,430.92	1/4	4,073.98	1/4	3,716.24	1/4	3,358.26	1/4	3,000.29	1/4	2,642.31	1/4	2,284.25
1/2		1/2		1/2	4,780.27	1/2	4,423.48	1/2	4,066.55	1/2	3,708.79	1/2	3,350.81	1/2	2,992.83	1/2	2,634.85	1/2	2,276.79
3/4		3/4		3/4	4,772.90	3/4	4,416.04	3/4	4,059.11	3/4	3,701.33	3/4	3,343.35	3/4	2,985.37	3/4	2,627.39	3/4	2,269.33
3		3		3	4,765.54	3	4,408.61	3	4,051.68	3	3,693.87	3	3,335.89	3	2,977.91	3	2,619.93	3	2,261.87
1/4		1/4		1/4	4,758.10	1/4	4,401.17	1/4	4,044.24	1/4	3,686.41	1/4	3,328.43	1/4	2,970.45	1/4	2,612.47	1/4	2,254.41
1/2		1/2		1/2	4,750.67	1/2	4,393.74	1/2	4,036.80	1/2	3,678.95	1/2	3,320.98	1/2	2,963.00	1/2	2,605.02	1/2	2,246.95
3/4		3/4		3/4	4,743.23	3/4	4,386.30	3/4	4,029.37	3/4	3,671.50	3/4	3,313.52	3/4	2,955.54	3/4	2,597.56	3/4	2,239.49
4		4		4	4,735.80	4	4,378.86	4	4,021.93	4	3,664.04	4	3,306.06	4	2,948.08	4	2,590.10	4	2,232.03
1/4		1/4		1/4	4,728.36	1/4	4,371.43	1/4	4,014.49	1/4	3,656.58	1/4	3,298.60	1/4	2,940.62	1/4	2,582.64	1/4	2,224.57
1/2		1/2		1/2	4,720.92	1/2	4,363.99	1/2	4,007.06	1/2	3,649.12	1/2	3,291.14	1/2	2,933.16	1/2	2,575.18	1/2	2,217.11
3/4		3/4		3/4	4,713.49	3/4	4,356.56	3/4	3,999.62	3/4	3,641.67	3/4	3,283.69	3/4	2,925.71	3/4	2,567.72	3/4	2,209.65
5		5		5	4,706.05	5	4,349.12	5	3,992.19	5	3,634.21	5	3,276.23	5	2,918.25	5	2,560.26	5	2,202.19
1/4		1/4		1/4	4,698.62	1/4	4,341.68	1/4	3,984.73	1/4	3,626.75	1/4	3,268.77	1/4	2,910.79	1/4	2,552.80	1/4	2,194.73
1/2		1/2		1/2	4,691.18	1/2	4,334.25	1/2	3,977.27	1/2	3,619.29	1/2	3,261.31	1/2	2,903.33	1/2	2,545.34	1/2	2,187.27
3/4		3/4		3/4	4,683.74	3/4	4,326.81	3/4	3,969.81	3/4	3,611.83	3/4	3,253.85	3/4	2,895.88	3/4	2,537.88	3/4	2,179.81
6		6	5,017.85	6	4,676.31	6	4,319.37	6	3,962.35	6	3,604.38	6	3,246.40	6	2,888.42	6	2,530.42	6	2,172.35
1/4		1/4	5,012.66	1/4	4,668.87	1/4	4,311.94	1/4	3,954.90	1/4	3,596.92	1/4	3,238.94	1/4	2,880.96	1/4	2,522.96	1/4	2,164.89
1/2		1/2	5,007.47	1/2	4,661.44	1/2	4,304.50	1/2	3,947.44	1/2	3,589.46	1/2	3,231.48	1/2	2,873.50	1/2	2,515.50	1/2	2,157.43
3/4		3/4	5,002.28	3/4	4,654.00	3/4	4,297.07	3/4	3,939.98	3/4	3,582.00	3/4	3,224.02	3/4	2,866.04	3/4	2,508.04	3/4	2,149.97
7		7	4,997.10	7	4,646.56	7	4,289.63	7	3,932.52	7	3,574.54	7	3,216.56	7	2,858.59	7	2,500.58	7	2,142.51
1/4		1/4	4,990.66	1/4	4,639.13	1/4	4,282.19	1/4	3,925.07	1/4	3,567.09	1/4	3,209.11	1/4	2,851.13	1/4	2,493.12	1/4	2,135.05
1/2		1/2	4,984.23	1/2	4,631.69	1/2	4,274.76	1/2	3,917.61	1/2	3,559.63	1/2	3,201.65	1/2	2,843.67	1/2	2,485.66	1/2	2,127.59
3/4		3/4	4,977.80	3/4	4,624.25	3/4	4,267.32	3/4	3,910.15	3/4	3,552.17	3/4	3,194.19	3/4	2,836.21	3/4	2,478.20	3/4	2,120.13
8		8	4,971.37	8	4,616.82	8	4,259.89	8	3,902.69	8	3,544.71	8	3,186.73	8	2,828.75	8	2,470.74	8	2,112.67
1/4		1/4	4,964.07	1/4	4,609.38	1/4	4,252.45	1/4	3,895.23	1/4	3,537.25	1/4	3,179.28	1/4	2,821.30	1/4	2,463.28	1/4	2,105.21
1/2		1/2	4,956.78	1/2	4,601.95	1/2	4,245.01	1/2	3,887.78	1/2	3,529.80	1/2	3,171.82	1/2	2,813.84	1/2	2,455.82	1/2	2,097.75
3/4		3/4	4,949.49	3/4	4,594.51	3/4	4,237.58	3/4	3,880.32	3/4	3,522.34	3/4	3,164.36	3/4	2,806.38	3/4	2,448.36	3/4	2,090.29
9		9	4,942.19	9	4,587.07	9	4,230.14	9	3,872.86	9	3,514.88	9	3,156.90	9	2,798.92	9	2,440.90	9	2,082.83
1/4		1/4	4,934.84	1/4	4,579.64	1/4	4,222.71	1/4	3,865.40	1/4	3,507.42	1/4	3,149.44	1/4	2,791.46	1/4	2,433.44	1/4	2,075.37
1/2		1/2	4,927.49	1/2	4,572.20	1/2	4,215.27	1/2	3,857.94	1/2	3,499.97	1/2	3,141.99	1/2	2,784.01	1/2	2,425.98	1/2	2,067.91
3/4		3/4	4,920.14	3/4	4,564.77	3/4	4,207.83	3/4	3,850.49	3/4	3,492.51	3/4	3,134.53	3/4	2,776.55	3/4	2,418.52	3/4	2,060.45
10		10	4,912.79	10	4,557.33	10	4,200.40	10	3,843.03	10	3,485.05	10	3,127.07	10	2,769.09	10	2,411.06	10	2,052.99
1/4		1/4	4,905.43	1/4	4,549.89	1/4	4,192.96	1/4	3,835.57	1/4	3,477.59	1/4	3,119.61	1/4	2,761.63	1/4	2,403.60	1/4	2,045.53
1/2		1/2	4,898.07	1/2	4,542.46	1/2	4,185.53	1/2	3,828.11	1/2	3,470.13	1/2	3,112.15	1/2	2,754.18	1/2	2,396.14	1/2	2,038.07
3/4		3/4	4,890.71	3/4	4,535.02	3/4	4,178.09	3/4	3,820.65	3/4	3,462.68	3/4	3,104.70	3/4	2,746.72	3/4	2,388.68	3/4	2,030.61
11		11	4,883.35	11	4,527.59	11	4,170.65	11	3,813.20	11	3,455.22	11	3,097.24	11	2,739.26	11	2,381.22	11	2,023.15
1/4		1/4	4,875.99	1/4	4,520.15	1/4	4,163.22	1/4	3,805.74	1/4	3,447.76	1/4	3,089.78	1/4	2,731.80	1/4	2,373.76	1/4	2,015.69
1/2		1/2	4,868.62	1/2	4,512.71	1/2	4,155.78	1/2	3,798.28	1/2	3,440.30	1/2	3,082.32	1/2	2,724.34	1/2	2,366.30	1/2	2,008.23
3/4		3/4	4,861.26	3/4	4,505.28	3/4	4,148.34	3/4	3,790.82	3/4	3,432.84	3/4	3,074.86	3/4	2,716.89	3/4	2,358.84	3/4	2,000.77

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 OF 2" HERMETIC VALVE
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD

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

1 PORT

ULLAGE TABLE
HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30066"

GAUGE HEIGHT 15'-09"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,993.31	0	1,635.23	0	1,277.16	0	920.48	0	563.57	0	223.03	0		0		0		0	
1/4	1,985.85	1/4	1,627.77	1/4	1,269.70	1/4	913.08	1/4	556.12	1/4	216.49	1/4		1/4		1/4		1/4	
1/2	1,978.39	1/2	1,620.31	1/2	1,262.24	1/2	905.68	1/2	548.66	1/2	209.95	1/2		1/2		1/2		1/2	
3/4	1,970.93	3/4	1,612.85	3/4	1,254.78	3/4	898.27	3/4	541.21	3/4	203.40	3/4		3/4		3/4		3/4	
1	1,963.47	1	1,605.39	1	1,247.32	1	890.87	1	533.75	1	196.86	1		1		1		1	
1/4	1,956.01	1/4	1,597.93	1/4	1,239.86	1/4	883.47	1/4	526.30	1/4	190.41	1/4		1/4		1/4		1/4	
1/2	1,948.55	1/2	1,590.47	1/2	1,232.40	1/2	876.07	1/2	518.84	1/2	183.96	1/2		1/2		1/2		1/2	
3/4	1,941.09	3/4	1,583.01	3/4	1,224.94	3/4	868.67	3/4	511.38	3/4	177.50	3/4		3/4		3/4		3/4	
2	1,933.63	2	1,575.55	2	1,217.48	2	861.27	2	503.92	2	171.05	2		2		2		2	
1/4	1,926.17	1/4	1,568.09	1/4	1,210.02	1/4	853.87	1/4	496.50	1/4	164.69	1/4		1/4		1/4		1/4	
1/2	1,918.71	1/2	1,560.64	1/2	1,202.56	1/2	846.47	1/2	489.08	1/2	158.32	1/2		1/2		1/2		1/2	
3/4	1,911.25	3/4	1,553.18	3/4	1,195.10	3/4	839.07	3/4	481.67	3/4	151.95	3/4		3/4		3/4		3/4	
3	1,903.79	3	1,545.72	3	1,187.64	3	831.67	3	474.25	3	145.59	3		3		3		3	
1/4	1,896.33	1/4	1,538.26	1/4	1,180.18	1/4	824.26	1/4	466.92	1/4	139.31	1/4		1/4		1/4		1/4	
1/2	1,888.87	1/2	1,530.80	1/2	1,172.72	1/2	816.86	1/2	459.59	1/2	133.03	1/2		1/2		1/2		1/2	
3/4	1,881.41	3/4	1,523.34	3/4	1,165.26	3/4	809.46	3/4	452.27	3/4	126.75	3/4		3/4		3/4		3/4	
4	1,873.95	4	1,515.88	4	1,157.80	4	802.06	4	444.94	4	120.47	4		4		4		4	
1/4	1,866.49	1/4	1,508.42	1/4	1,150.34	1/4	794.65	1/4	437.70	1/4	114.29	1/4		1/4		1/4		1/4	
1/2	1,859.03	1/2	1,500.96	1/2	1,142.88	1/2	787.24	1/2	430.46	1/2	108.10	1/2		1/2		1/2		1/2	
3/4	1,851.57	3/4	1,493.50	3/4	1,135.42	3/4	779.83	3/4	423.21	3/4	101.91	3/4		3/4		3/4		3/4	
5	1,844.11	5	1,486.04	5	1,127.96	5	772.42	5	415.97	5	95.72	5		5		5		5	
1/4	1,836.65	1/4	1,478.58	1/4	1,120.53	1/4	764.96	1/4	408.82	1/4	89.62	1/4		1/4		1/4		1/4	
1/2	1,829.19	1/2	1,471.12	1/2	1,113.10	1/2	757.50	1/2	401.67	1/2	83.53	1/2		1/2		1/2		1/2	
3/4	1,821.73	3/4	1,463.66	3/4	1,105.68	3/4	750.04	3/4	394.51	3/4	77.44	3/4		3/4		3/4		3/4	
6	1,814.27	6	1,456.20	6	1,098.25	6	742.58	6	387.36	6	71.35	6		6		6		6	
1/4	1,806.81	1/4	1,448.74	1/4	1,090.82	1/4	735.12	1/4	380.29	1/4	65.37	1/4		1/4		1/4		1/4	
1/2	1,799.35	1/2	1,441.28	1/2	1,083.39	1/2	727.66	1/2	373.23	1/2	59.39	1/2		1/2		1/2		1/2	
3/4	1,791.89	3/4	1,433.82	3/4	1,075.96	3/4	720.20	3/4	366.16	3/4	53.41	3/4		3/4		3/4		3/4	
7	1,784.43	7	1,426.36	7	1,068.53	7	712.75	7	359.09	7	47.43	7		7		7		7	
1/4	1,776.97	1/4	1,418.90	1/4	1,061.12	1/4	705.29	1/4	352.12	1/4	42.44	1/4		1/4		1/4		1/4	
1/2	1,769.51	1/2	1,411.44	1/2	1,053.71	1/2	697.83	1/2	345.14	1/2	37.44	1/2		1/2		1/2		1/2	
3/4	1,762.05	3/4	1,403.98	3/4	1,046.30	3/4	690.37	3/4	338.16	3/4	32.45	3/4		3/4		3/4		3/4	
8	1,754.59	8	1,396.52	8	1,038.89	8	682.91	8	331.18	8	27.45	8		8		8		8	
1/4	1,747.13	1/4	1,389.06	1/4	1,031.49	1/4	675.45	1/4	324.29	1/4	24.41	1/4		1/4		1/4		1/4	
1/2	1,739.67	1/2	1,381.60	1/2	1,024.09	1/2	667.99	1/2	317.40	1/2	21.37	1/2		1/2		1/2		1/2	
3/4	1,732.21	3/4	1,374.14	3/4	1,016.69	3/4	660.53	3/4	310.51	3/4	18.32	3/4		3/4		3/4		3/4	
9	1,724.75	9	1,366.68	9	1,009.29	9	653.07	9	303.62	9	15.28	9		9		9		9	
1/4	1,717.29	1/4	1,359.22	1/4	1,001.89	1/4	645.61	1/4	296.81	1/4		1/4		1/4		1/4		1/4	
1/2	1,709.83	1/2	1,351.76	1/2	994.49	1/2	638.15	1/2	290.01	1/2		1/2		1/2		1/2		1/2	
3/4	1,702.37	3/4	1,344.30	3/4	987.09	3/4	630.69	3/4	283.21	3/4		3/4		3/4		3/4		3/4	
10	1,694.91	10	1,336.84	10	979.69	10	623.23	10	276.40	10		10		10		10		10	
1/4	1,687.45	1/4	1,329.38	1/4	972.28	1/4	615.77	1/4	269.69	1/4		1/4		1/4		1/4		1/4	
1/2	1,679.99	1/2	1,321.92	1/2	964.88	1/2	608.31	1/2	262.97	1/2		1/2		1/2		1/2		1/2	
3/4	1,672.53	3/4	1,314.46	3/4	957.48	3/4	600.85	3/4	256.26	3/4		3/4		3/4		3/4		3/4	
11	1,665.07	11	1,307.00	11	950.08	11	593.39	11	249.54	11		11		11		11		11	
1/4	1,657.61	1/4	1,299.54	1/4	942.68	1/4	585.94	1/4	242.91	1/4		1/4		1/4		1/4		1/4	
1/2	1,650.15	1/2	1,292.08	1/2	935.28	1/2	578.48	1/2	236.28	1/2		1/2		1/2		1/2		1/2	
3/4	1,642.69	3/4	1,284.62	3/4	927.88	3/4	571.03	3/4	229.66	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED:02/20/2019 SW
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

ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30066"

GAUGE HEIGHT 15'-09 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,858.53	0	4,502.91	0	4,146.34	0	3,789.17	0	3,431.54	0	3,073.92	0	2,716.29	0	2,358.60
1/4		1/4		1/4	4,851.18	1/4	4,495.48	1/4	4,138.91	1/4	3,781.72	1/4	3,424.09	1/4	3,066.47	1/4	2,708.84	1/4	2,351.14
1/2		1/2		1/2	4,843.82	1/2	4,488.06	1/2	4,131.48	1/2	3,774.27	1/2	3,416.64	1/2	3,059.01	1/2	2,701.39	1/2	2,343.69
3/4		3/4		3/4	4,836.47	3/4	4,480.63	3/4	4,124.05	3/4	3,766.82	3/4	3,409.19	3/4	3,051.56	3/4	2,693.94	3/4	2,336.24
1		1		1	4,829.11	1	4,473.20	1	4,116.63	1	3,759.37	1	3,401.74	1	3,044.11	1	2,686.48	1	2,328.79
1/4		1/4		1/4	4,821.76	1/4	4,465.77	1/4	4,109.20	1/4	3,751.92	1/4	3,394.29	1/4	3,036.66	1/4	2,679.03	1/4	2,321.33
1/2		1/2		1/2	4,814.40	1/2	4,458.34	1/2	4,101.77	1/2	3,744.47	1/2	3,386.84	1/2	3,029.21	1/2	2,671.58	1/2	2,313.88
3/4		3/4		3/4	4,807.05	3/4	4,450.91	3/4	4,094.34	3/4	3,737.02	3/4	3,379.39	3/4	3,021.76	3/4	2,664.13	3/4	2,306.43
2		2		2	4,799.69	2	4,443.48	2	4,086.91	2	3,729.57	2	3,371.94	2	3,014.31	2	2,656.68	2	2,298.98
1/4		1/4		1/4	4,792.33	1/4	4,436.06	1/4	4,079.48	1/4	3,722.12	1/4	3,364.49	1/4	3,006.86	1/4	2,649.23	1/4	2,291.52
1/2		1/2		1/2	4,784.98	1/2	4,428.63	1/2	4,072.05	1/2	3,714.67	1/2	3,357.04	1/2	2,999.41	1/2	2,641.78	1/2	2,284.07
3/4		3/4		3/4	4,777.62	3/4	4,421.20	3/4	4,064.63	3/4	3,707.22	3/4	3,349.59	3/4	2,991.96	3/4	2,634.33	3/4	2,276.62
3		3		3	4,770.27	3	4,413.77	3	4,057.20	3	3,699.77	3	3,342.14	3	2,984.51	3	2,626.88	3	2,269.16
1/4		1/4		1/4	4,762.91	1/4	4,406.34	1/4	4,049.77	1/4	3,692.32	1/4	3,334.69	1/4	2,977.06	1/4	2,619.43	1/4	2,261.71
1/2		1/2		1/2	4,755.49	1/2	4,398.91	1/2	4,042.34	1/2	3,684.86	1/2	3,327.24	1/2	2,969.61	1/2	2,611.98	1/2	2,254.26
3/4		3/4		3/4	4,748.06	3/4	4,391.48	3/4	4,034.91	3/4	3,677.41	3/4	3,319.79	3/4	2,962.16	3/4	2,604.53	3/4	2,246.81
4		4		4	4,740.63	4	4,384.06	4	4,027.48	4	3,669.96	4	3,312.33	4	2,954.71	4	2,597.08	4	2,239.35
1/4		1/4		1/4	4,733.20	1/4	4,376.63	1/4	4,020.05	1/4	3,662.51	1/4	3,304.88	1/4	2,947.26	1/4	2,589.63	1/4	2,231.90
1/2		1/2		1/2	4,725.77	1/2	4,369.20	1/2	4,012.63	1/2	3,655.06	1/2	3,297.43	1/2	2,939.80	1/2	2,582.17	1/2	2,224.45
3/4		3/4		3/4	4,718.34	3/4	4,361.77	3/4	4,005.20	3/4	3,647.61	3/4	3,289.98	3/4	2,932.35	3/4	2,574.72	3/4	2,217.00
5		5		5	4,710.91	5	4,354.34	5	3,997.77	5	3,640.16	5	3,282.53	5	2,924.90	5	2,567.27	5	2,209.54
1/4		1/4		1/4	4,703.49	1/4	4,346.91	1/4	3,990.34	1/4	3,632.71	1/4	3,275.08	1/4	2,917.45	1/4	2,559.82	1/4	2,202.09
1/2		1/2		1/2	4,696.06	1/2	4,339.48	1/2	3,982.89	1/2	3,625.26	1/2	3,267.63	1/2	2,910.00	1/2	2,552.36	1/2	2,194.64
3/4		3/4		3/4	4,688.63	3/4	4,332.06	3/4	3,975.44	3/4	3,617.81	3/4	3,260.18	3/4	2,902.55	3/4	2,544.91	3/4	2,187.19
6		6		6	4,681.20	6	4,324.63	6	3,967.99	6	3,610.36	6	3,252.73	6	2,895.10	6	2,537.46	6	2,179.73
1/4		1/4	5,014.97	1/4	4,673.77	1/4	4,317.20	1/4	3,960.54	1/4	3,602.91	1/4	3,245.28	1/4	2,887.65	1/4	2,530.01	1/4	2,172.28
1/2		1/2	5,009.79	1/2	4,666.34	1/2	4,309.77	1/2	3,953.09	1/2	3,595.46	1/2	3,237.83	1/2	2,880.20	1/2	2,522.55	1/2	2,164.83
3/4		3/4	5,004.60	3/4	4,658.91	3/4	4,302.34	3/4	3,945.64	3/4	3,588.01	3/4	3,230.38	3/4	2,872.75	3/4	2,515.10	3/4	2,157.38
7		7	4,999.42	7	4,651.49	7	4,294.91	7	3,938.19	7	3,580.56	7	3,222.93	7	2,865.30	7	2,507.65	7	2,149.92
1/4		1/4	4,994.24	1/4	4,644.06	1/4	4,287.48	1/4	3,930.73	1/4	3,573.11	1/4	3,215.48	1/4	2,857.85	1/4	2,500.20	1/4	2,142.47
1/2		1/2	4,987.81	1/2	4,636.63	1/2	4,280.05	1/2	3,923.28	1/2	3,565.66	1/2	3,208.03	1/2	2,850.40	1/2	2,492.74	1/2	2,135.02
3/4		3/4	4,981.39	3/4	4,629.20	3/4	4,272.63	3/4	3,915.83	3/4	3,558.20	3/4	3,200.58	3/4	2,842.95	3/4	2,485.29	3/4	2,127.57
8		8	4,974.96	8	4,621.77	8	4,265.20	8	3,908.38	8	3,550.75	8	3,193.13	8	2,835.50	8	2,477.84	8	2,120.11
1/4		1/4	4,968.53	1/4	4,614.34	1/4	4,257.77	1/4	3,900.93	1/4	3,543.30	1/4	3,185.67	1/4	2,828.05	1/4	2,470.39	1/4	2,112.66
1/2		1/2	4,961.25	1/2	4,606.91	1/2	4,250.34	1/2	3,893.48	1/2	3,535.85	1/2	3,178.22	1/2	2,820.60	1/2	2,462.93	1/2	2,105.21
3/4		3/4	4,953.96	3/4	4,599.48	3/4	4,242.91	3/4	3,886.03	3/4	3,528.40	3/4	3,170.77	3/4	2,813.14	3/4	2,455.48	3/4	2,097.76
9		9	4,946.67	9	4,592.06	9	4,235.48	9	3,878.58	9	3,520.95	9	3,163.32	9	2,805.69	9	2,448.03	9	2,090.30
1/4		1/4	4,939.39	1/4	4,584.63	1/4	4,228.05	1/4	3,871.13	1/4	3,513.50	1/4	3,155.87	1/4	2,798.24	1/4	2,440.57	1/4	2,082.85
1/2		1/2	4,932.04	1/2	4,577.20	1/2	4,220.63	1/2	3,863.68	1/2	3,506.05	1/2	3,148.42	1/2	2,790.79	1/2	2,433.12	1/2	2,075.40
3/4		3/4	4,924.70	3/4	4,569.77	3/4	4,213.20	3/4	3,856.23	3/4	3,498.60	3/4	3,140.97	3/4	2,783.34	3/4	2,425.67	3/4	2,067.94
10		10	4,917.36	10	4,562.34	10	4,205.77	10	3,848.78	10	3,491.15	10	3,133.52	10	2,775.89	10	2,418.22	10	2,060.49
1/4		1/4	4,910.02	1/4	4,554.91	1/4	4,198.34	1/4	3,841.33	1/4	3,483.70	1/4	3,126.07	1/4	2,768.44	1/4	2,410.76	1/4	2,053.04
1/2		1/2	4,902.66	1/2	4,547.48	1/2	4,190.91	1/2	3,833.88	1/2	3,476.25	1/2	3,118.62	1/2	2,760.99	1/2	2,403.31	1/2	2,045.59
3/4		3/4	4,895.31	3/4	4,540.06	3/4	4,183.48	3/4	3,826.43	3/4	3,468.80	3/4	3,111.17	3/4	2,753.54	3/4	2,395.86	3/4	2,038.13
11		11	4,887.96	11	4,532.63	11	4,176.05	11	3,818.98	11	3,461.35	11	3,103.72	11	2,746.09	11	2,388.41	11	2,030.68
1/4		1/4	4,880.60	1/4	4,525.20	1/4	4,168.63	1/4	3,811.53	1/4	3,453.90	1/4	3,096.27	1/4	2,738.64	1/4	2,380.95	1/4	2,023.23
1/2		1/2	4,873.25	1/2	4,517.77	1/2	4,161.20	1/2	3,804.07	1/2	3,446.45	1/2	3,088.82	1/2	2,731.19	1/2	2,373.50	1/2	2,015.78
3/4		3/4	4,865.89	3/4	4,510.34	3/4	4,153.77	3/4	3,796.62	3/4	3,439.00	3/4	3,081.37	3/4	2,723.74	3/4	2,366.05	3/4	2,008.32

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 OF 2" HERMETIC VALVE
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD

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

BARGE "MMLP 334"

1 STBD

ULLAGE TABLE
HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30066"

GAUGE HEIGHT 15'-09 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,000.87	0	1,643.15	0	1,285.42	0	927.95	0	570.47	0	229.41	0		0		0		0	
1/4	1,993.42	1/4	1,635.69	1/4	1,277.97	1/4	920.52	1/4	563.02	1/4	222.79	1/4		1/4		1/4		1/4	
1/2	1,985.97	1/2	1,628.24	1/2	1,270.52	1/2	913.08	1/2	555.56	1/2	216.26	1/2		1/2		1/2		1/2	
3/4	1,978.51	3/4	1,620.79	3/4	1,263.06	3/4	905.64	3/4	548.11	3/4	209.72	3/4		3/4		3/4		3/4	
1	1,971.06	1	1,613.34	1	1,255.61	1	898.20	1	540.66	1	203.19	1		1		1		1	
1/4	1,963.61	1/4	1,605.88	1/4	1,248.16	1/4	890.76	1/4	533.21	1/4	196.65	1/4		1/4		1/4		1/4	
1/2	1,956.16	1/2	1,598.43	1/2	1,240.71	1/2	883.32	1/2	525.75	1/2	190.21	1/2		1/2		1/2		1/2	
3/4	1,948.70	3/4	1,590.98	3/4	1,233.25	3/4	875.89	3/4	518.30	3/4	183.76	3/4		3/4		3/4		3/4	
2	1,941.25	2	1,583.53	2	1,225.80	2	868.45	2	510.85	2	177.31	2		2		2		2	
1/4	1,933.80	1/4	1,576.07	1/4	1,218.35	1/4	861.01	1/4	503.40	1/4	170.87	1/4		1/4		1/4		1/4	
1/2	1,926.35	1/2	1,568.62	1/2	1,210.90	1/2	853.57	1/2	495.99	1/2	164.51	1/2		1/2		1/2		1/2	
3/4	1,918.89	3/4	1,561.17	3/4	1,203.44	3/4	846.13	3/4	488.58	3/4	158.15	3/4		3/4		3/4		3/4	
3	1,911.44	3	1,553.72	3	1,195.99	3	838.69	3	481.17	3	151.79	3		3		3		3	
1/4	1,903.99	1/4	1,546.26	1/4	1,188.54	1/4	831.25	1/4	473.76	1/4	145.43	1/4		1/4		1/4		1/4	
1/2	1,896.53	1/2	1,538.81	1/2	1,181.09	1/2	823.82	1/2	466.44	1/2	139.16	1/2		1/2		1/2		1/2	
3/4	1,889.08	3/4	1,531.36	3/4	1,173.63	3/4	816.38	3/4	459.12	3/4	132.89	3/4		3/4		3/4		3/4	
4	1,881.63	4	1,523.90	4	1,166.18	4	808.94	4	451.80	4	126.62	4		4		4		4	
1/4	1,874.18	1/4	1,516.45	1/4	1,158.73	1/4	801.50	1/4	444.48	1/4	120.35	1/4		1/4		1/4		1/4	
1/2	1,866.72	1/2	1,509.00	1/2	1,151.27	1/2	794.05	1/2	437.24	1/2	114.16	1/2		1/2		1/2		1/2	
3/4	1,859.27	3/4	1,501.55	3/4	1,143.82	3/4	786.60	3/4	430.01	3/4	107.98	3/4		3/4		3/4		3/4	
5	1,851.82	5	1,494.09	5	1,136.37	5	779.14	5	422.77	5	101.80	5		5		5		5	
1/4	1,844.37	1/4	1,486.64	1/4	1,128.92	1/4	771.69	1/4	415.54	1/4	95.61	1/4		1/4		1/4		1/4	
1/2	1,836.91	1/2	1,479.19	1/2	1,121.46	1/2	764.24	1/2	408.39	1/2	89.53	1/2		1/2		1/2		1/2	
3/4	1,829.46	3/4	1,471.74	3/4	1,114.01	3/4	756.78	3/4	401.25	3/4	83.44	3/4		3/4		3/4		3/4	
6	1,822.01	6	1,464.28	6	1,106.56	6	749.33	6	394.10	6	77.36	6		6		6		6	
1/4	1,814.56	1/4	1,456.83	1/4	1,099.11	1/4	741.88	1/4	386.95	1/4	71.27	1/4		1/4		1/4		1/4	
1/2	1,807.10	1/2	1,449.38	1/2	1,091.66	1/2	734.43	1/2	379.90	1/2	65.30	1/2		1/2		1/2		1/2	
3/4	1,799.65	3/4	1,441.93	3/4	1,084.21	3/4	726.97	3/4	372.84	3/4	59.32	3/4		3/4		3/4		3/4	
7	1,792.20	7	1,434.47	7	1,076.77	7	719.52	7	365.78	7	53.35	7		7		7		7	
1/4	1,784.75	1/4	1,427.02	1/4	1,069.32	1/4	712.07	1/4	358.72	1/4	47.38	1/4		1/4		1/4		1/4	
1/2	1,777.29	1/2	1,419.57	1/2	1,061.87	1/2	704.62	1/2	351.75	1/2	42.39	1/2		1/2		1/2		1/2	
3/4	1,769.84	3/4	1,412.12	3/4	1,054.43	3/4	697.16	3/4	344.78	3/4	37.40	3/4		3/4		3/4		3/4	
8	1,762.39	8	1,404.66	8	1,046.98	8	689.71	8	337.80	8	32.41	8		8		8		8	
1/4	1,754.94	1/4	1,397.21	1/4	1,039.53	1/4	682.26	1/4	330.83	1/4	27.42	1/4		1/4		1/4		1/4	
1/2	1,747.48	1/2	1,389.76	1/2	1,032.09	1/2	674.81	1/2	323.95	1/2	24.39	1/2		1/2		1/2		1/2	
3/4	1,740.03	3/4	1,382.31	3/4	1,024.66	3/4	667.35	3/4	317.07	3/4	21.35	3/4		3/4		3/4		3/4	
9	1,732.58	9	1,374.85	9	1,017.22	9	659.90	9	310.18	9	18.31	9		9		9		9	
1/4	1,725.13	1/4	1,367.40	1/4	1,009.78	1/4	652.45	1/4	303.30	1/4	15.27	1/4		1/4		1/4		1/4	
1/2	1,717.67	1/2	1,359.95	1/2	1,002.34	1/2	645.00	1/2	296.50	1/2		1/2		1/2		1/2		1/2	
3/4	1,710.22	3/4	1,352.50	3/4	994.90	3/4	637.54	3/4	289.70	3/4		3/4		3/4		3/4		3/4	
10	1,702.77	10	1,345.04	10	987.46	10	630.09	10	282.91	10		10		10		10		10	
1/4	1,695.31	1/4	1,337.59	1/4	980.02	1/4	622.64	1/4	276.11	1/4		1/4		1/4		1/4		1/4	
1/2	1,687.86	1/2	1,330.14	1/2	972.59	1/2	615.19	1/2	269.40	1/2		1/2		1/2		1/2		1/2	
3/4	1,680.41	3/4	1,322.68	3/4	965.15	3/4	607.73	3/4	262.69	3/4		3/4		3/4		3/4		3/4	
11	1,672.96	11	1,315.23	11	957.71	11	600.28	11	255.98	11		11		11		11		11	
1/4	1,665.50	1/4	1,307.78	1/4	950.27	1/4	592.83	1/4	249.28	1/4		1/4		1/4		1/4		1/4	
1/2	1,658.05	1/2	1,300.33	1/2	942.83	1/2	585.37	1/2	242.65	1/2		1/2		1/2		1/2		1/2	
3/4	1,650.60	3/4	1,292.87	3/4	935.39	3/4	577.92	3/4	236.03	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED:02/20/2019 SW
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"

2 PORT
ULLAGE TABLE

HERMETIC
GAUGE HEIGHT 15'-09"

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	4,916.65	0	4,559.63	0	4,201.83	0	3,843.41	0	3,484.56	0	3,125.70	0	2,766.84	0	2,407.98
1/4		1/4		1/4	4,909.26	1/4	4,552.18	1/4	4,194.38	1/4	3,835.94	1/4	3,477.08	1/4	3,118.22	1/4	2,759.36	1/4	2,400.51
1/2		1/2		1/2	4,901.87	1/2	4,544.72	1/2	4,186.92	1/2	3,828.46	1/2	3,469.60	1/2	3,110.75	1/2	2,751.89	1/2	2,393.03
3/4		3/4		3/4	4,894.48	3/4	4,537.27	3/4	4,179.47	3/4	3,820.99	3/4	3,462.13	3/4	3,103.27	3/4	2,744.41	3/4	2,385.55
1		1		1	4,887.09	1	4,529.82	1	4,172.01	1	3,813.51	1	3,454.65	1	3,095.79	1	2,736.94	1	2,378.08
1/4		1/4		1/4	4,879.70	1/4	4,522.36	1/4	4,164.56	1/4	3,806.03	1/4	3,447.18	1/4	3,088.32	1/4	2,729.46	1/4	2,370.60
1/2		1/2		1/2	4,872.32	1/2	4,514.91	1/2	4,157.11	1/2	3,798.56	1/2	3,439.70	1/2	3,080.84	1/2	2,721.98	1/2	2,363.13
3/4		3/4		3/4	4,864.93	3/4	4,507.45	3/4	4,149.65	3/4	3,791.08	3/4	3,432.22	3/4	3,073.37	3/4	2,714.51	3/4	2,355.65
2		2		2	4,857.54	2	4,500.00	2	4,142.20	2	3,783.60	2	3,424.75	2	3,065.89	2	2,707.03	2	2,348.17
1/4		1/4		1/4	4,850.15	1/4	4,492.55	1/4	4,134.74	1/4	3,776.13	1/4	3,417.27	1/4	3,058.41	1/4	2,699.56	1/4	2,340.70
1/2		1/2		1/2	4,842.76	1/2	4,485.09	1/2	4,127.29	1/2	3,768.65	1/2	3,409.79	1/2	3,050.94	1/2	2,692.08	1/2	2,333.22
3/4		3/4		3/4	4,835.37	3/4	4,477.64	3/4	4,119.84	3/4	3,761.18	3/4	3,402.32	3/4	3,043.46	3/4	2,684.60	3/4	2,325.75
3		3		3	4,827.98	3	4,470.18	3	4,112.38	3	3,753.70	3	3,394.84	3	3,035.98	3	2,677.13	3	2,318.27
1/4		1/4		1/4	4,820.53	1/4	4,462.73	1/4	4,104.93	1/4	3,746.22	1/4	3,387.37	1/4	3,028.51	1/4	2,669.65	1/4	2,310.79
1/2		1/2		1/2	4,813.08	1/2	4,455.27	1/2	4,097.47	1/2	3,738.75	1/2	3,379.89	1/2	3,021.03	1/2	2,662.17	1/2	2,303.32
3/4		3/4		3/4	4,805.62	3/4	4,447.82	3/4	4,090.02	3/4	3,731.27	3/4	3,372.41	3/4	3,013.56	3/4	2,654.70	3/4	2,295.84
4		4		4	4,798.17	4	4,440.37	4	4,082.56	4	3,723.79	4	3,364.94	4	3,006.08	4	2,647.22	4	2,288.36
1/4		1/4		1/4	4,790.71	1/4	4,432.91	1/4	4,075.11	1/4	3,716.32	1/4	3,357.46	1/4	2,998.60	1/4	2,639.75	1/4	2,280.89
1/2		1/2		1/2	4,783.26	1/2	4,425.46	1/2	4,067.66	1/2	3,708.84	1/2	3,349.98	1/2	2,991.13	1/2	2,632.27	1/2	2,273.41
3/4		3/4		3/4	4,775.80	3/4	4,418.00	3/4	4,060.20	3/4	3,701.37	3/4	3,342.51	3/4	2,983.65	3/4	2,624.79	3/4	2,265.94
5		5		5	4,768.35	5	4,410.55	5	4,052.75	5	3,693.89	5	3,335.03	5	2,976.17	5	2,617.32	5	2,258.46
1/4		1/4		1/4	4,760.90	1/4	4,403.09	1/4	4,045.27	1/4	3,686.41	1/4	3,327.56	1/4	2,968.70	1/4	2,609.84	1/4	2,250.98
1/2		1/2		1/2	4,753.44	1/2	4,395.64	1/2	4,037.80	1/2	3,678.94	1/2	3,320.08	1/2	2,961.22	1/2	2,602.36	1/2	2,243.51
3/4		3/4		3/4	4,745.99	3/4	4,388.19	3/4	4,030.32	3/4	3,671.46	3/4	3,312.60	3/4	2,953.75	3/4	2,594.89	3/4	2,236.03
6		6	5,081.15	6	4,738.53	6	4,380.73	6	4,022.84	6	3,663.99	6	3,305.13	6	2,946.27	6	2,587.41	6	2,228.55
1/4		1/4	5,075.94	1/4	4,731.08	1/4	4,373.28	1/4	4,015.37	1/4	3,656.51	1/4	3,297.65	1/4	2,938.79	1/4	2,579.94	1/4	2,221.08
1/2		1/2	5,070.73	1/2	4,723.63	1/2	4,365.82	1/2	4,007.89	1/2	3,649.03	1/2	3,290.18	1/2	2,931.32	1/2	2,572.46	1/2	2,213.60
3/4		3/4	5,065.53	3/4	4,716.17	3/4	4,358.37	3/4	4,000.41	3/4	3,641.56	3/4	3,282.70	3/4	2,923.84	3/4	2,564.98	3/4	2,206.13
7		7	5,060.32	7	4,708.72	7	4,350.92	7	3,992.94	7	3,634.08	7	3,275.22	7	2,916.37	7	2,557.51	7	2,198.65
1/4		1/4	5,053.87	1/4	4,701.26	1/4	4,343.46	1/4	3,985.46	1/4	3,626.60	1/4	3,267.75	1/4	2,908.89	1/4	2,550.03	1/4	2,191.17
1/2		1/2	5,047.41	1/2	4,693.81	1/2	4,336.01	1/2	3,977.99	1/2	3,619.13	1/2	3,260.27	1/2	2,901.41	1/2	2,542.56	1/2	2,183.70
3/4		3/4	5,040.96	3/4	4,686.35	3/4	4,328.55	3/4	3,970.51	3/4	3,611.65	3/4	3,252.79	3/4	2,893.94	3/4	2,535.08	3/4	2,176.22
8		8	5,034.50	8	4,678.90	8	4,321.10	8	3,963.03	8	3,604.18	8	3,245.32	8	2,886.46	8	2,527.60	8	2,168.75
1/4		1/4	5,027.19	1/4	4,671.45	1/4	4,313.64	1/4	3,955.56	1/4	3,596.70	1/4	3,237.84	1/4	2,878.98	1/4	2,520.13	1/4	2,161.27
1/2		1/2	5,019.87	1/2	4,663.99	1/2	4,306.19	1/2	3,948.08	1/2	3,589.22	1/2	3,230.37	1/2	2,871.51	1/2	2,512.65	1/2	2,153.79
3/4		3/4	5,012.55	3/4	4,656.54	3/4	4,298.74	3/4	3,940.60	3/4	3,581.75	3/4	3,222.89	3/4	2,864.03	3/4	2,505.17	3/4	2,146.32
9		9	5,005.23	9	4,649.08	9	4,291.28	9	3,933.13	9	3,574.27	9	3,215.41	9	2,856.56	9	2,497.70	9	2,138.84
1/4		1/4	4,997.86	1/4	4,641.63	1/4	4,283.83	1/4	3,925.65	1/4	3,566.79	1/4	3,207.94	1/4	2,849.08	1/4	2,490.22	1/4	2,131.36
1/2		1/2	4,990.49	1/2	4,634.18	1/2	4,276.37	1/2	3,918.18	1/2	3,559.32	1/2	3,200.46	1/2	2,841.60	1/2	2,482.75	1/2	2,123.89
3/4		3/4	4,983.11	3/4	4,626.72	3/4	4,268.92	3/4	3,910.70	3/4	3,551.84	3/4	3,192.98	3/4	2,834.13	3/4	2,475.27	3/4	2,116.41
10		10	4,975.74	10	4,619.27	10	4,261.47	10	3,903.22	10	3,544.37	10	3,185.51	10	2,826.65	10	2,467.79	10	2,108.94
1/4		1/4	4,968.36	1/4	4,611.81	1/4	4,254.01	1/4	3,895.75	1/4	3,536.89	1/4	3,178.03	1/4	2,819.17	1/4	2,460.32	1/4	2,101.46
1/2		1/2	4,960.97	1/2	4,604.36	1/2	4,246.56	1/2	3,888.27	1/2	3,529.41	1/2	3,170.56	1/2	2,811.70	1/2	2,452.84	1/2	2,093.98
3/4		3/4	4,953.59	3/4	4,596.90	3/4	4,239.10	3/4	3,880.79	3/4	3,521.94	3/4	3,163.08	3/4	2,804.22	3/4	2,445.36	3/4	2,086.51
11		11	4,946.20	11	4,589.45	11	4,231.65	11	3,873.32	11	3,514.46	11	3,155.60	11	2,796.75	11	2,437.89	11	2,079.03
1/4		1/4	4,938.81	1/4	4,582.00	1/4	4,224.19	1/4	3,865.84	1/4	3,506.98	1/4	3,148.13	1/4	2,789.27	1/4	2,430.41	1/4	2,071.55
1/2		1/2	4,931.42	1/2	4,574.54	1/2	4,216.74	1/2	3,858.37	1/2	3,499.51	1/2	3,140.65	1/2	2,781.79	1/2	2,422.94	1/2	2,064.08
3/4		3/4	4,924.04	3/4	4,567.09	3/4	4,209.29	3/4	3,850.89	3/4	3,492.03	3/4	3,133.17	3/4	2,774.32	3/4	2,415.46	3/4	2,056.60

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 OF 2" HERMETIC VALVE
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD

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

BARGE "MMLP 334"

2 PORT

ULLAGE TABLE
HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30066"

GAUGE HEIGHT 15'-09"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,049.13	0	1,690.27	0	1,331.41	0	980.98	0	628.17	0	269.31	0		0		0		0	
1/4	2,041.65	1/4	1,682.79	1/4	1,323.93	1/4	973.81	1/4	620.69	1/4	261.83	1/4		1/4		1/4		1/4	
1/2	2,034.17	1/2	1,675.32	1/2	1,316.46	1/2	966.64	1/2	613.21	1/2	254.36	1/2		1/2		1/2		1/2	
3/4	2,026.70	3/4	1,667.84	3/4	1,308.98	3/4	959.47	3/4	605.74	3/4	246.88	3/4		3/4		3/4		3/4	
1	2,019.22	1	1,660.36	1	1,301.51	1	952.30	1	598.26	1	239.40	1		1		1		1	
1/4	2,011.74	1/4	1,652.89	1/4	1,294.03	1/4	945.13	1/4	590.78	1/4	231.93	1/4		1/4		1/4		1/4	
1/2	2,004.27	1/2	1,645.41	1/2	1,286.55	1/2	937.96	1/2	583.31	1/2	224.45	1/2		1/2		1/2		1/2	
3/4	1,996.79	3/4	1,637.93	3/4	1,279.08	3/4	930.79	3/4	575.83	3/4	216.97	3/4		3/4		3/4		3/4	
2	1,989.32	2	1,630.46	2	1,271.60	2	923.62	2	568.36	2	209.50	2		2		2		2	
1/4	1,981.84	1/4	1,622.98	1/4	1,264.12	1/4	916.46	1/4	560.88	1/4	202.02	1/4		1/4		1/4		1/4	
1/2	1,974.36	1/2	1,615.51	1/2	1,256.65	1/2	909.29	1/2	553.40	1/2	194.55	1/2		1/2		1/2		1/2	
3/4	1,966.89	3/4	1,608.03	3/4	1,249.17	3/4	902.12	3/4	545.93	3/4	187.07	3/4		3/4		3/4		3/4	
3	1,959.41	3	1,600.55	3	1,241.70	3	894.95	3	538.45	3	179.59	3		3		3		3	
1/4	1,951.94	1/4	1,593.08	1/4	1,234.22	1/4	887.78	1/4	530.97	1/4	172.12	1/4		1/4		1/4		1/4	
1/2	1,944.46	1/2	1,585.60	1/2	1,226.74	1/2	880.61	1/2	523.50	1/2	164.64	1/2		1/2		1/2		1/2	
3/4	1,936.98	3/4	1,578.13	3/4	1,219.27	3/4	873.44	3/4	516.02	3/4	157.16	3/4		3/4		3/4		3/4	
4	1,929.51	4	1,570.65	4	1,211.79	4	866.27	4	508.55	4	149.69	4		4		4		4	
1/4	1,922.03	1/4	1,563.17	1/4	1,204.32	1/4	859.08	1/4	501.07	1/4	142.21	1/4		1/4		1/4		1/4	
1/2	1,914.55	1/2	1,555.70	1/2	1,196.84	1/2	851.88	1/2	493.59	1/2	134.74	1/2		1/2		1/2		1/2	
3/4	1,907.08	3/4	1,548.22	3/4	1,189.36	3/4	844.69	3/4	486.12	3/4	127.26	3/4		3/4		3/4		3/4	
5	1,899.60	5	1,540.74	5	1,181.89	5	837.50	5	478.64	5	119.79	5		5		5		5	
1/4	1,892.13	1/4	1,533.27	1/4	1,174.69	1/4	830.02	1/4	471.16	1/4	112.32	1/4		1/4		1/4		1/4	
1/2	1,884.65	1/2	1,525.79	1/2	1,167.50	1/2	822.55	1/2	463.69	1/2	104.86	1/2		1/2		1/2		1/2	
3/4	1,877.17	3/4	1,518.32	3/4	1,160.31	3/4	815.07	3/4	456.21	3/4	97.39	3/4		3/4		3/4		3/4	
6	1,869.70	6	1,510.84	6	1,153.11	6	807.59	6	448.74	6	89.93	6		6		6		6	
1/4	1,862.22	1/4	1,503.36	1/4	1,145.93	1/4	800.12	1/4	441.26	1/4	82.49	1/4		1/4		1/4		1/4	
1/2	1,854.74	1/2	1,495.89	1/2	1,138.76	1/2	792.64	1/2	433.78	1/2	75.05	1/2		1/2		1/2		1/2	
3/4	1,847.27	3/4	1,488.41	3/4	1,131.58	3/4	785.17	3/4	426.31	3/4	67.61	3/4		3/4		3/4		3/4	
7	1,839.79	7	1,480.93	7	1,124.40	7	777.69	7	418.83	7	60.17	7		7		7		7	
1/4	1,832.32	1/4	1,473.46	1/4	1,117.22	1/4	770.21	1/4	411.36	1/4	53.63	1/4		1/4		1/4		1/4	
1/2	1,824.84	1/2	1,465.98	1/2	1,110.05	1/2	762.74	1/2	403.88	1/2	47.09	1/2		1/2		1/2		1/2	
3/4	1,817.36	3/4	1,458.51	3/4	1,102.87	3/4	755.26	3/4	396.40	3/4	40.55	3/4		3/4		3/4		3/4	
8	1,809.89	8	1,451.03	8	1,095.69	8	747.78	8	388.93	8	34.01	8		8		8		8	
1/4	1,802.41	1/4	1,443.55	1/4	1,088.52	1/4	740.31	1/4	381.45	1/4	29.33	1/4		1/4		1/4		1/4	
1/2	1,794.94	1/2	1,436.08	1/2	1,081.35	1/2	732.83	1/2	373.97	1/2	24.66	1/2		1/2		1/2		1/2	
3/4	1,787.46	3/4	1,428.60	3/4	1,074.18	3/4	725.36	3/4	366.50	3/4	19.99	3/4		3/4		3/4		3/4	
9	1,779.98	9	1,421.13	9	1,067.01	9	717.88	9	359.02	9	15.32	9		9		9		9	
1/4	1,772.51	1/4	1,413.65	1/4	1,059.84	1/4	710.40	1/4	351.55	1/4		1/4		1/4		1/4		1/4	
1/2	1,765.03	1/2	1,406.17	1/2	1,052.67	1/2	702.93	1/2	344.07	1/2		1/2		1/2		1/2		1/2	
3/4	1,757.55	3/4	1,398.70	3/4	1,045.50	3/4	695.45	3/4	336.59	3/4		3/4		3/4		3/4		3/4	
10	1,750.08	10	1,391.22	10	1,038.34	10	687.97	10	329.12	10		10		10		10		10	
1/4	1,742.60	1/4	1,383.74	1/4	1,031.17	1/4	680.50	1/4	321.64	1/4		1/4		1/4		1/4		1/4	
1/2	1,735.13	1/2	1,376.27	1/2	1,024.00	1/2	673.02	1/2	314.16	1/2		1/2		1/2		1/2		1/2	
3/4	1,727.65	3/4	1,368.79	3/4	1,016.83	3/4	665.55	3/4	306.69	3/4		3/4		3/4		3/4		3/4	
11	1,720.17	11	1,361.32	11	1,009.66	11	658.07	11	299.21	11		11		11		11		11	
1/4	1,712.70	1/4	1,353.84	1/4	1,002.49	1/4	650.59	1/4	291.74	1/4		1/4		1/4		1/4		1/4	
1/2	1,705.22	1/2	1,346.36	1/2	995.32	1/2	643.12	1/2	284.26	1/2		1/2		1/2		1/2		1/2	
3/4	1,697.74	3/4	1,338.89	3/4	988.15	3/4	635.64	3/4	276.78	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED:02/20/2019 SW
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"

2 STBD

ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30066"

GAUGE HEIGHT 15'-09 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,950.06	0	4,592.98	0	4,234.87	0	3,876.20	0	3,517.06	0	3,157.92	0	2,798.78	0	2,439.57
1/4		1/4		1/4	4,942.67	1/4	4,585.52	1/4	4,227.41	1/4	3,868.72	1/4	3,509.58	1/4	3,150.44	1/4	2,791.30	1/4	2,432.09
1/2		1/2		1/2	4,935.28	1/2	4,578.06	1/2	4,219.95	1/2	3,861.24	1/2	3,502.10	1/2	3,142.96	1/2	2,783.82	1/2	2,424.60
3/4		3/4		3/4	4,927.89	3/4	4,570.60	3/4	4,212.49	3/4	3,853.76	3/4	3,494.62	3/4	3,135.48	3/4	2,776.33	3/4	2,417.12
1		1		1	4,920.51	1	4,563.14	1	4,205.03	1	3,846.27	1	3,487.13	1	3,127.99	1	2,768.85	1	2,409.63
1/4		1/4		1/4	4,913.12	1/4	4,555.68	1/4	4,197.57	1/4	3,838.79	1/4	3,479.65	1/4	3,120.51	1/4	2,761.37	1/4	2,402.15
1/2		1/2		1/2	4,905.73	1/2	4,548.22	1/2	4,190.11	1/2	3,831.31	1/2	3,472.17	1/2	3,113.03	1/2	2,753.89	1/2	2,394.66
3/4		3/4		3/4	4,898.35	3/4	4,540.76	3/4	4,182.65	3/4	3,823.83	3/4	3,464.69	3/4	3,105.55	3/4	2,746.41	3/4	2,387.18
2		2		2	4,890.96	2	4,533.30	2	4,175.19	2	3,816.35	2	3,457.21	2	3,098.06	2	2,738.92	2	2,379.70
1/4		1/4		1/4	4,883.57	1/4	4,525.83	1/4	4,167.73	1/4	3,808.86	1/4	3,449.72	1/4	3,090.58	1/4	2,731.44	1/4	2,372.21
1/2		1/2		1/2	4,876.19	1/2	4,518.37	1/2	4,160.27	1/2	3,801.38	1/2	3,442.24	1/2	3,083.10	1/2	2,723.96	1/2	2,364.73
3/4		3/4		3/4	4,868.80	3/4	4,510.91	3/4	4,152.80	3/4	3,793.90	3/4	3,434.76	3/4	3,075.62	3/4	2,716.48	3/4	2,357.24
3		3		3	4,861.41	3	4,503.45	3	4,145.34	3	3,786.42	3	3,427.28	3	3,068.14	3	2,709.00	3	2,349.76
1/4		1/4		1/4	4,854.03	1/4	4,495.99	1/4	4,137.88	1/4	3,778.94	1/4	3,419.80	1/4	3,060.65	1/4	2,701.51	1/4	2,342.27
1/2		1/2		1/2	4,846.64	1/2	4,488.53	1/2	4,130.42	1/2	3,771.45	1/2	3,412.31	1/2	3,053.17	1/2	2,694.03	1/2	2,334.79
3/4		3/4		3/4	4,839.18	3/4	4,481.07	3/4	4,122.96	3/4	3,763.97	3/4	3,404.83	3/4	3,045.69	3/4	2,686.55	3/4	2,327.31
4		4		4	4,831.72	4	4,473.61	4	4,115.50	4	3,756.49	4	3,397.35	4	3,038.21	4	2,679.07	4	2,319.82
1/4		1/4		1/4	4,824.26	1/4	4,466.15	1/4	4,108.04	1/4	3,749.01	1/4	3,389.87	1/4	3,030.73	1/4	2,671.59	1/4	2,312.34
1/2		1/2		1/2	4,816.80	1/2	4,458.69	1/2	4,100.58	1/2	3,741.53	1/2	3,382.38	1/2	3,023.24	1/2	2,664.10	1/2	2,304.85
3/4		3/4		3/4	4,809.34	3/4	4,451.23	3/4	4,093.12	3/4	3,734.04	3/4	3,374.90	3/4	3,015.76	3/4	2,656.62	3/4	2,297.37
5		5		5	4,801.88	5	4,443.77	5	4,085.66	5	3,726.56	5	3,367.42	5	3,008.28	5	2,649.13	5	2,289.88
1/4		1/4		1/4	4,794.42	1/4	4,436.31	1/4	4,078.20	1/4	3,719.08	1/4	3,359.94	1/4	3,000.80	1/4	2,641.65	1/4	2,282.40
1/2		1/2		1/2	4,786.96	1/2	4,428.85	1/2	4,070.74	1/2	3,711.60	1/2	3,352.46	1/2	2,993.32	1/2	2,634.17	1/2	2,274.91
3/4		3/4		3/4	4,779.50	3/4	4,421.39	3/4	4,063.26	3/4	3,704.12	3/4	3,344.97	3/4	2,985.83	3/4	2,626.68	3/4	2,267.43
6		6		6	4,772.03	6	4,413.93	6	4,055.77	6	3,696.63	6	3,337.49	6	2,978.35	6	2,619.20	6	2,259.95
1/4		1/4		1/4	4,764.57	1/4	4,406.46	1/4	4,048.29	1/4	3,689.15	1/4	3,330.01	1/4	2,970.87	1/4	2,611.71	1/4	2,252.46
1/2		1/2	5,099.79	1/2	4,757.11	1/2	4,399.00	1/2	4,040.81	1/2	3,681.67	1/2	3,322.53	1/2	2,963.39	1/2	2,604.23	1/2	2,244.98
3/4		3/4	5,094.58	3/4	4,749.65	3/4	4,391.54	3/4	4,033.33	3/4	3,674.19	3/4	3,315.05	3/4	2,955.91	3/4	2,596.74	3/4	2,237.49
7		7	5,089.38	7	4,742.19	7	4,384.08	7	4,025.85	7	3,666.70	7	3,307.56	7	2,948.42	7	2,589.26	7	2,230.01
1/4		1/4	5,084.17	1/4	4,734.73	1/4	4,376.62	1/4	4,018.36	1/4	3,659.22	1/4	3,300.08	1/4	2,940.94	1/4	2,581.77	1/4	2,222.52
1/2		1/2	5,078.97	1/2	4,727.27	1/2	4,369.16	1/2	4,010.88	1/2	3,651.74	1/2	3,292.60	1/2	2,933.46	1/2	2,574.29	1/2	2,215.04
3/4		3/4	5,072.51	3/4	4,719.81	3/4	4,361.70	3/4	4,003.40	3/4	3,644.26	3/4	3,285.12	3/4	2,925.98	3/4	2,566.81	3/4	2,207.55
8		8	5,066.06	8	4,712.35	8	4,354.24	8	3,995.92	8	3,636.78	8	3,277.64	8	2,918.49	8	2,559.32	8	2,200.07
1/4		1/4	5,059.61	1/4	4,704.89	1/4	4,346.78	1/4	3,988.43	1/4	3,629.29	1/4	3,270.15	1/4	2,911.01	1/4	2,551.84	1/4	2,192.59
1/2		1/2	5,053.15	1/2	4,697.43	1/2	4,339.32	1/2	3,980.95	1/2	3,621.81	1/2	3,262.67	1/2	2,903.53	1/2	2,544.35	1/2	2,185.10
3/4		3/4	5,045.84	3/4	4,689.97	3/4	4,331.86	3/4	3,973.47	3/4	3,614.33	3/4	3,255.19	3/4	2,896.05	3/4	2,536.87	3/4	2,177.62
9		9	5,038.52	9	4,682.51	9	4,324.40	9	3,965.99	9	3,606.85	9	3,247.71	9	2,888.57	9	2,529.38	9	2,170.13
1/4		1/4	5,031.20	1/4	4,675.05	1/4	4,316.94	1/4	3,958.51	1/4	3,599.37	1/4	3,240.22	1/4	2,881.08	1/4	2,521.90	1/4	2,162.65
1/2		1/2	5,023.88	1/2	4,667.59	1/2	4,309.48	1/2	3,951.02	1/2	3,591.88	1/2	3,232.74	1/2	2,873.60	1/2	2,514.42	1/2	2,155.16
3/4		3/4	5,016.51	3/4	4,660.13	3/4	4,302.02	3/4	3,943.54	3/4	3,584.40	3/4	3,225.26	3/4	2,866.12	3/4	2,506.93	3/4	2,147.68
10		10	5,009.13	10	4,652.66	10	4,294.56	10	3,936.06	10	3,576.92	10	3,217.78	10	2,858.64	10	2,499.45	10	2,140.20
1/4		1/4	5,001.76	1/4	4,645.20	1/4	4,287.10	1/4	3,928.58	1/4	3,569.44	1/4	3,210.30	1/4	2,851.16	1/4	2,491.96	1/4	2,132.71
1/2		1/2	4,994.38	1/2	4,637.74	1/2	4,279.63	1/2	3,921.10	1/2	3,561.96	1/2	3,202.81	1/2	2,843.67	1/2	2,484.48	1/2	2,125.23
3/4		3/4	4,987.00	3/4	4,630.28	3/4	4,272.17	3/4	3,913.61	3/4	3,554.47	3/4	3,195.33	3/4	2,836.19	3/4	2,476.99	3/4	2,117.74
11		11	4,979.61	11	4,622.82	11	4,264.71	11	3,906.13	11	3,546.99	11	3,187.85	11	2,828.71	11	2,469.51	11	2,110.26
1/4		1/4	4,972.22	1/4	4,615.36	1/4	4,257.25	1/4	3,898.65	1/4	3,539.51	1/4	3,180.37	1/4	2,821.23	1/4	2,462.02	1/4	2,102.77
1/2		1/2	4,964.84	1/2	4,607.90	1/2	4,249.79	1/2	3,891.17	1/2	3,532.03	1/2	3,172.89	1/2	2,813.75	1/2	2,454.54	1/2	2,095.29
3/4		3/4	4,957.45	3/4	4,600.44	3/4	4,242.33	3/4	3,883.69	3/4	3,524.54	3/4	3,165.40	3/4	2,806.26	3/4	2,447.06	3/4	2,087.80

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 OF 2" HERMETIC VALVE
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD

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

BARGE "MMLP 334"

2 STBD

ULLAGE TABLE
HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30066"

GAUGE HEIGHT 15'-09 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,080.32	0	1,721.07	0	1,361.82	0	1,002.81	0	643.82	0	284.57	0		0		0		0	
1/4	2,072.84	1/4	1,713.58	1/4	1,354.33	1/4	995.34	1/4	636.34	1/4	277.09	1/4		1/4		1/4		1/4	
1/2	2,065.35	1/2	1,706.10	1/2	1,346.85	1/2	987.87	1/2	628.86	1/2	269.60	1/2		1/2		1/2		1/2	
3/4	2,057.87	3/4	1,698.62	3/4	1,339.36	3/4	980.40	3/4	621.37	3/4	262.12	3/4		3/4		3/4		3/4	
1	2,050.38	1	1,691.13	1	1,331.88	1	972.93	1	613.89	1	254.64	1		1		1		1	
1/4	2,042.90	1/4	1,683.65	1/4	1,324.40	1/4	965.46	1/4	606.40	1/4	247.15	1/4		1/4		1/4		1/4	
1/2	2,035.41	1/2	1,676.16	1/2	1,316.91	1/2	957.99	1/2	598.92	1/2	239.67	1/2		1/2		1/2		1/2	
3/4	2,027.93	3/4	1,668.68	3/4	1,309.43	3/4	950.52	3/4	591.43	3/4	232.18	3/4		3/4		3/4		3/4	
2	2,020.44	2	1,661.19	2	1,301.94	2	943.05	2	583.95	2	224.70	2		2		2		2	
1/4	2,012.96	1/4	1,653.71	1/4	1,294.46	1/4	935.59	1/4	576.46	1/4	217.21	1/4		1/4		1/4		1/4	
1/2	2,005.48	1/2	1,646.22	1/2	1,286.97	1/2	928.12	1/2	568.98	1/2	209.73	1/2		1/2		1/2		1/2	
3/4	1,997.99	3/4	1,638.74	3/4	1,279.49	3/4	920.65	3/4	561.50	3/4	202.24	3/4		3/4		3/4		3/4	
3	1,990.51	3	1,631.26	3	1,272.00	3	913.18	3	554.01	3	194.76	3		3		3		3	
1/4	1,983.02	1/4	1,623.77	1/4	1,264.52	1/4	905.71	1/4	546.53	1/4	187.28	1/4		1/4		1/4		1/4	
1/2	1,975.54	1/2	1,616.29	1/2	1,257.04	1/2	898.24	1/2	539.04	1/2	179.79	1/2		1/2		1/2		1/2	
3/4	1,968.05	3/4	1,608.80	3/4	1,249.55	3/4	890.77	3/4	531.56	3/4	172.31	3/4		3/4		3/4		3/4	
4	1,960.57	4	1,601.32	4	1,242.07	4	883.30	4	524.07	4	164.82	4		4		4		4	
1/4	1,953.09	1/4	1,593.83	1/4	1,234.58	1/4	875.83	1/4	516.59	1/4	157.34	1/4		1/4		1/4		1/4	
1/2	1,945.60	1/2	1,586.35	1/2	1,227.10	1/2	868.36	1/2	509.10	1/2	149.85	1/2		1/2		1/2		1/2	
3/4	1,938.12	3/4	1,578.87	3/4	1,219.61	3/4	860.87	3/4	501.62	3/4	142.37	3/4		3/4		3/4		3/4	
5	1,930.63	5	1,571.38	5	1,212.13	5	853.39	5	494.14	5	134.89	5		5		5		5	
1/4	1,923.15	1/4	1,563.90	1/4	1,204.65	1/4	845.90	1/4	486.65	1/4	127.40	1/4		1/4		1/4		1/4	
1/2	1,915.66	1/2	1,556.41	1/2	1,197.16	1/2	838.42	1/2	479.17	1/2	119.92	1/2		1/2		1/2		1/2	
3/4	1,908.18	3/4	1,548.93	3/4	1,189.68	3/4	830.93	3/4	471.68	3/4	112.45	3/4		3/4		3/4		3/4	
6	1,900.69	6	1,541.44	6	1,182.19	6	823.45	6	464.20	6	104.97	6		6		6		6	
1/4	1,893.21	1/4	1,533.96	1/4	1,174.71	1/4	815.97	1/4	456.71	1/4	97.50	1/4		1/4		1/4		1/4	
1/2	1,885.73	1/2	1,526.47	1/2	1,167.22	1/2	808.48	1/2	449.23	1/2	90.03	1/2		1/2		1/2		1/2	
3/4	1,878.24	3/4	1,518.99	3/4	1,159.74	3/4	801.00	3/4	441.75	3/4	82.58	3/4		3/4		3/4		3/4	
7	1,870.76	7	1,511.51	7	1,152.27	7	793.51	7	434.26	7	75.13	7		7		7		7	
1/4	1,863.27	1/4	1,504.02	1/4	1,144.79	1/4	786.03	1/4	426.78	1/4	67.68	1/4		1/4		1/4		1/4	
1/2	1,855.79	1/2	1,496.54	1/2	1,137.31	1/2	778.54	1/2	419.29	1/2	60.23	1/2		1/2		1/2		1/2	
3/4	1,848.30	3/4	1,489.05	3/4	1,129.83	3/4	771.06	3/4	411.81	3/4	53.69	3/4		3/4		3/4		3/4	
8	1,840.82	8	1,481.57	8	1,122.35	8	763.57	8	404.32	8	47.14	8		8		8		8	
1/4	1,833.33	1/4	1,474.08	1/4	1,114.87	1/4	756.09	1/4	396.84	1/4	40.59	1/4		1/4		1/4		1/4	
1/2	1,825.85	1/2	1,466.60	1/2	1,107.39	1/2	748.61	1/2	389.35	1/2	34.05	1/2		1/2		1/2		1/2	
3/4	1,818.37	3/4	1,459.11	3/4	1,099.92	3/4	741.12	3/4	381.87	3/4	29.37	3/4		3/4		3/4		3/4	
9	1,810.88	9	1,451.63	9	1,092.45	9	733.64	9	374.39	9	24.69	9		9		9		9	
1/4	1,803.40	1/4	1,444.15	1/4	1,084.98	1/4	726.15	1/4	366.90	1/4	20.01	1/4		1/4		1/4		1/4	
1/2	1,795.91	1/2	1,436.66	1/2	1,077.51	1/2	718.67	1/2	359.42	1/2	15.33	1/2		1/2		1/2		1/2	
3/4	1,788.43	3/4	1,429.18	3/4	1,070.04	3/4	711.18	3/4	351.93	3/4		3/4		3/4		3/4		3/4	
10	1,780.94	10	1,421.69	10	1,062.57	10	703.70	10	344.45	10		10		10		10		10	
1/4	1,773.46	1/4	1,414.21	1/4	1,055.10	1/4	696.21	1/4	336.96	1/4		1/4		1/4		1/4		1/4	
1/2	1,765.98	1/2	1,406.72	1/2	1,047.63	1/2	688.73	1/2	329.48	1/2		1/2		1/2		1/2		1/2	
3/4	1,758.49	3/4	1,399.24	3/4	1,040.16	3/4	681.25	3/4	321.99	3/4		3/4		3/4		3/4		3/4	
11	1,751.01	11	1,391.76	11	1,032.69	11	673.76	11	314.51	11		11		11		11		11	
1/4	1,743.52	1/4	1,384.27	1/4	1,025.22	1/4	666.28	1/4	307.03	1/4		1/4		1/4		1/4		1/4	
1/2	1,736.04	1/2	1,376.79	1/2	1,017.75	1/2	658.79	1/2	299.54	1/2		1/2		1/2		1/2		1/2	
3/4	1,728.55	3/4	1,369.30	3/4	1,010.28	3/4	651.31	3/4	292.06	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED:02/20/2019 SW
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
ULLAGE TABLE

HERMETIC
GAUGE HEIGHT 15'-09"

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	4,350.22	0	4,131.88	0	3,913.00	0	3,693.77	0	3,459.44	0	3,108.00	0	2,751.63	0	2,395.18
1/4		1/4		1/4	4,345.70	1/4	4,127.32	1/4	3,908.44	1/4	3,689.19	1/4	3,452.76	1/4	3,100.57	1/4	2,744.20	1/4	2,387.75
1/2		1/2		1/2	4,341.19	1/2	4,122.76	1/2	3,903.88	1/2	3,684.62	1/2	3,446.09	1/2	3,093.15	1/2	2,736.78	1/2	2,380.31
3/4		3/4		3/4	4,336.67	3/4	4,118.20	3/4	3,899.32	3/4	3,680.05	3/4	3,439.41	3/4	3,085.73	3/4	2,729.35	3/4	2,372.88
1		1		1	4,332.16	1	4,113.64	1	3,894.76	1	3,675.47	1	3,432.73	1	3,078.30	1	2,721.93	1	2,365.44
1/4		1/4		1/4	4,327.64	1/4	4,109.08	1/4	3,890.20	1/4	3,670.90	1/4	3,425.58	1/4	3,070.88	1/4	2,714.51	1/4	2,358.01
1/2		1/2		1/2	4,323.13	1/2	4,104.52	1/2	3,885.64	1/2	3,666.33	1/2	3,418.42	1/2	3,063.45	1/2	2,707.08	1/2	2,350.57
3/4		3/4		3/4	4,318.61	3/4	4,099.96	3/4	3,881.08	3/4	3,661.76	3/4	3,411.26	3/4	3,056.03	3/4	2,699.66	3/4	2,343.14
2		2		2	4,314.10	2	4,095.40	2	3,876.52	2	3,657.18	2	3,404.11	2	3,048.60	2	2,692.23	2	2,335.70
1/4		1/4		1/4	4,309.58	1/4	4,090.84	1/4	3,871.96	1/4	3,652.61	1/4	3,396.73	1/4	3,041.18	1/4	2,684.81	1/4	2,328.27
1/2		1/2		1/2	4,305.07	1/2	4,086.28	1/2	3,867.40	1/2	3,648.04	1/2	3,389.34	1/2	3,033.75	1/2	2,677.38	1/2	2,320.83
3/4		3/4		3/4	4,300.55	3/4	4,081.72	3/4	3,862.84	3/4	3,643.47	3/4	3,381.96	3/4	3,026.33	3/4	2,669.96	3/4	2,313.40
3		3		3	4,296.04	3	4,077.16	3	3,858.28	3	3,638.89	3	3,374.58	3	3,018.91	3	2,662.53	3	2,305.96
1/4		1/4		1/4	4,291.48	1/4	4,072.60	1/4	3,853.72	1/4	3,634.32	1/4	3,367.19	1/4	3,011.48	1/4	2,655.11	1/4	2,298.53
1/2		1/2		1/2	4,286.92	1/2	4,068.04	1/2	3,849.16	1/2	3,629.75	1/2	3,359.79	1/2	3,004.06	1/2	2,647.69	1/2	2,291.10
3/4		3/4		3/4	4,282.36	3/4	4,063.48	3/4	3,844.60	3/4	3,625.18	3/4	3,352.40	3/4	2,996.63	3/4	2,640.26	3/4	2,283.66
4		4		4	4,277.80	4	4,058.92	4	3,840.04	4	3,620.60	4	3,345.01	4	2,989.21	4	2,632.84	4	2,276.23
1/4		1/4		1/4	4,273.24	1/4	4,054.36	1/4	3,835.48	1/4	3,616.03	1/4	3,337.61	1/4	2,981.78	1/4	2,625.41	1/4	2,268.80
1/2		1/2		1/2	4,268.68	1/2	4,049.80	1/2	3,830.92	1/2	3,611.46	1/2	3,330.22	1/2	2,974.36	1/2	2,617.99	1/2	2,261.37
3/4		3/4		3/4	4,264.12	3/4	4,045.24	3/4	3,826.36	3/4	3,606.89	3/4	3,322.82	3/4	2,966.93	3/4	2,610.56	3/4	2,253.94
5		5		5	4,259.56	5	4,040.68	5	3,821.80	5	3,602.31	5	3,315.43	5	2,959.51	5	2,603.13	5	2,246.51
1/4		1/4		1/4	4,255.00	1/4	4,036.12	1/4	3,817.23	1/4	3,597.74	1/4	3,308.03	1/4	2,952.09	1/4	2,595.71	1/4	2,239.08
1/2		1/2		1/2	4,250.44	1/2	4,031.56	1/2	3,812.65	1/2	3,593.17	1/2	3,300.64	1/2	2,944.66	1/2	2,588.28	1/2	2,231.65
3/4		3/4		3/4	4,245.88	3/4	4,027.00	3/4	3,808.08	3/4	3,588.60	3/4	3,293.24	3/4	2,937.24	3/4	2,580.86	3/4	2,224.22
6		6	4,450.77	6	4,241.32	6	4,022.44	6	3,803.51	6	3,584.02	6	3,285.84	6	2,929.81	6	2,573.43	6	2,216.79
1/4		1/4	4,447.59	1/4	4,236.76	1/4	4,017.88	1/4	3,798.93	1/4	3,579.45	1/4	3,278.45	1/4	2,922.39	1/4	2,566.01	1/4	2,209.36
1/2		1/2	4,444.41	1/2	4,232.20	1/2	4,013.32	1/2	3,794.36	1/2	3,574.88	1/2	3,271.05	1/2	2,914.96	1/2	2,558.58	1/2	2,201.94
3/4		3/4	4,441.22	3/4	4,227.64	3/4	4,008.76	3/4	3,789.79	3/4	3,570.30	3/4	3,263.66	3/4	2,907.54	3/4	2,551.16	3/4	2,194.51
7		7	4,438.04	7	4,223.08	7	4,004.20	7	3,785.22	7	3,565.73	7	3,256.26	7	2,900.12	7	2,543.73	7	2,187.08
1/4		1/4	4,434.10	1/4	4,218.52	1/4	3,999.64	1/4	3,780.64	1/4	3,561.16	1/4	3,248.86	1/4	2,892.69	1/4	2,536.30	1/4	2,179.65
1/2		1/2	4,430.15	1/2	4,213.96	1/2	3,995.08	1/2	3,776.07	1/2	3,556.59	1/2	3,241.47	1/2	2,885.27	1/2	2,528.88	1/2	2,172.22
3/4		3/4	4,426.21	3/4	4,209.40	3/4	3,990.52	3/4	3,771.50	3/4	3,552.01	3/4	3,234.07	3/4	2,877.84	3/4	2,521.45	3/4	2,164.79
8		8	4,422.26	8	4,204.84	8	3,985.96	8	3,766.93	8	3,547.44	8	3,226.68	8	2,870.42	8	2,514.03	8	2,157.36
1/4		1/4	4,417.79	1/4	4,200.28	1/4	3,981.40	1/4	3,762.35	1/4	3,542.63	1/4	3,219.28	1/4	2,862.99	1/4	2,506.60	1/4	2,149.93
1/2		1/2	4,413.32	1/2	4,195.72	1/2	3,976.84	1/2	3,757.78	1/2	3,537.82	1/2	3,211.88	1/2	2,855.57	1/2	2,499.18	1/2	2,142.50
3/4		3/4	4,408.85	3/4	4,191.16	3/4	3,972.28	3/4	3,753.21	3/4	3,533.01	3/4	3,204.49	3/4	2,848.14	3/4	2,491.75	3/4	2,135.07
9		9	4,404.37	9	4,186.60	9	3,967.72	9	3,748.64	9	3,528.19	9	3,197.09	9	2,840.72	9	2,484.32	9	2,127.64
1/4		1/4	4,399.87	1/4	4,182.04	1/4	3,963.16	1/4	3,744.06	1/4	3,522.94	1/4	3,189.67	1/4	2,833.30	1/4	2,476.90	1/4	2,120.21
1/2		1/2	4,395.36	1/2	4,177.48	1/2	3,958.60	1/2	3,739.49	1/2	3,517.68	1/2	3,182.24	1/2	2,825.87	1/2	2,469.47	1/2	2,112.79
3/4		3/4	4,390.85	3/4	4,172.92	3/4	3,954.04	3/4	3,734.92	3/4	3,512.43	3/4	3,174.82	3/4	2,818.45	3/4	2,462.05	3/4	2,105.36
10		10	4,386.34	10	4,168.36	10	3,949.48	10	3,730.35	10	3,507.18	10	3,167.39	10	2,811.02	10	2,454.62	10	2,097.93
1/4		1/4	4,381.83	1/4	4,163.80	1/4	3,944.92	1/4	3,725.77	1/4	3,501.44	1/4	3,159.97	1/4	2,803.60	1/4	2,447.20	1/4	2,090.52
1/2		1/2	4,377.31	1/2	4,159.24	1/2	3,940.36	1/2	3,721.20	1/2	3,495.71	1/2	3,152.54	1/2	2,796.17	1/2	2,439.77	1/2	2,083.11
3/4		3/4	4,372.80	3/4	4,154.68	3/4	3,935.80	3/4	3,716.63	3/4	3,489.98	3/4	3,145.12	3/4	2,788.75	3/4	2,432.35	3/4	2,075.70
11		11	4,368.28	11	4,150.12	11	3,931.24	11	3,712.06	11	3,484.24	11	3,137.70	11	2,781.32	11	2,424.92	11	2,068.29
1/4		1/4	4,363.76	1/4	4,145.56	1/4	3,926.68	1/4	3,707.48	1/4	3,478.04	1/4	3,130.27	1/4	2,773.90	1/4	2,417.49	1/4	2,060.88
1/2		1/2	4,359.25	1/2	4,141.00	1/2	3,922.12	1/2	3,702.91	1/2	3,471.84	1/2	3,122.85	1/2	2,766.48	1/2	2,410.05	1/2	2,053.47
3/4		3/4	4,354.73	3/4	4,136.44	3/4	3,917.56	3/4	3,698.34	3/4	3,465.64	3/4	3,115.42	3/4	2,759.05	3/4	2,402.62	3/4	2,046.06

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 OF 2" HERMETIC VALVE
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD

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

BARGE "MMLP 334"

3 PORT

ULLAGE TABLE
HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30066"

GAUGE HEIGHT 15'-09"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,038.66	0	1,682.55	0	1,325.79	0	976.29	0	625.38	0	268.34	0		0		0		0	
1/4	2,031.24	1/4	1,675.12	1/4	1,318.36	1/4	969.15	1/4	617.94	1/4	260.89	1/4		1/4		1/4		1/4	
1/2	2,023.82	1/2	1,667.69	1/2	1,310.93	1/2	962.01	1/2	610.51	1/2	253.44	1/2		1/2		1/2		1/2	
3/4	2,016.41	3/4	1,660.25	3/4	1,303.49	3/4	954.87	3/4	603.07	3/4	245.99	3/4		3/4		3/4		3/4	
1	2,008.99	1	1,652.82	1	1,296.06	1	947.72	1	595.63	1	238.54	1		1		1		1	
1/4	2,001.58	1/4	1,645.39	1/4	1,288.63	1/4	940.58	1/4	588.19	1/4	231.09	1/4		1/4		1/4		1/4	
1/2	1,994.16	1/2	1,637.96	1/2	1,281.20	1/2	933.44	1/2	580.76	1/2	223.64	1/2		1/2		1/2		1/2	
3/4	1,986.74	3/4	1,630.52	3/4	1,273.76	3/4	926.30	3/4	573.32	3/4	216.19	3/4		3/4		3/4		3/4	
2	1,979.33	2	1,623.09	2	1,266.33	2	919.16	2	565.88	2	208.74	2		2		2		2	
1/4	1,971.91	1/4	1,615.66	1/4	1,258.90	1/4	912.02	1/4	558.44	1/4	201.29	1/4		1/4		1/4		1/4	
1/2	1,964.49	1/2	1,608.23	1/2	1,251.47	1/2	904.88	1/2	551.01	1/2	193.85	1/2		1/2		1/2		1/2	
3/4	1,957.08	3/4	1,600.79	3/4	1,244.03	3/4	897.74	3/4	543.57	3/4	186.40	3/4		3/4		3/4		3/4	
3	1,949.66	3	1,593.36	3	1,236.60	3	890.60	3	536.13	3	178.95	3		3		3		3	
1/4	1,942.25	1/4	1,585.93	1/4	1,229.17	1/4	883.45	1/4	528.69	1/4	171.50	1/4		1/4		1/4		1/4	
1/2	1,934.83	1/2	1,578.50	1/2	1,221.74	1/2	876.31	1/2	521.26	1/2	164.05	1/2		1/2		1/2		1/2	
3/4	1,927.41	3/4	1,571.06	3/4	1,214.30	3/4	869.17	3/4	513.82	3/4	156.60	3/4		3/4		3/4		3/4	
4	1,920.00	4	1,563.63	4	1,206.87	4	862.03	4	506.38	4	149.15	4		4		4		4	
1/4	1,912.58	1/4	1,556.20	1/4	1,199.44	1/4	854.87	1/4	498.94	1/4	141.70	1/4		1/4		1/4		1/4	
1/2	1,905.17	1/2	1,548.77	1/2	1,192.01	1/2	847.70	1/2	491.51	1/2	134.25	1/2		1/2		1/2		1/2	
3/4	1,897.75	3/4	1,541.33	3/4	1,184.57	3/4	840.54	3/4	484.07	3/4	126.81	3/4		3/4		3/4		3/4	
5	1,890.33	5	1,533.90	5	1,177.14	5	833.38	5	476.63	5	119.36	5		5		5		5	
1/4	1,882.92	1/4	1,526.47	1/4	1,169.92	1/4	826.00	1/4	469.19	1/4	111.92	1/4		1/4		1/4		1/4	
1/2	1,875.50	1/2	1,519.04	1/2	1,162.69	1/2	818.63	1/2	461.76	1/2	104.48	1/2		1/2		1/2		1/2	
3/4	1,868.09	3/4	1,511.60	3/4	1,155.46	3/4	811.26	3/4	454.32	3/4	97.04	3/4		3/4		3/4		3/4	
6	1,860.67	6	1,504.17	6	1,148.24	6	803.88	6	446.88	6	89.61	6		6		6		6	
1/4	1,853.25	1/4	1,496.74	1/4	1,141.03	1/4	796.44	1/4	439.44	1/4	82.19	1/4		1/4		1/4		1/4	
1/2	1,845.84	1/2	1,489.31	1/2	1,133.82	1/2	789.01	1/2	432.01	1/2	74.78	1/2		1/2		1/2		1/2	
3/4	1,838.42	3/4	1,481.87	3/4	1,126.60	3/4	781.57	3/4	424.57	3/4	67.37	3/4		3/4		3/4		3/4	
7	1,831.00	7	1,474.44	7	1,119.39	7	774.13	7	417.13	7	59.95	7		7		7		7	
1/4	1,823.59	1/4	1,467.01	1/4	1,112.18	1/4	766.69	1/4	409.69	1/4	53.44	1/4		1/4		1/4		1/4	
1/2	1,816.17	1/2	1,459.58	1/2	1,104.97	1/2	759.26	1/2	402.26	1/2	46.92	1/2		1/2		1/2		1/2	
3/4	1,808.76	3/4	1,452.14	3/4	1,097.76	3/4	751.82	3/4	394.82	3/4	40.40	3/4		3/4		3/4		3/4	
8	1,801.34	8	1,444.71	8	1,090.55	8	744.38	8	387.38	8	33.89	8		8		8		8	
1/4	1,793.92	1/4	1,437.28	1/4	1,083.41	1/4	736.94	1/4	379.94	1/4	29.23	1/4		1/4		1/4		1/4	
1/2	1,786.51	1/2	1,429.85	1/2	1,076.26	1/2	729.51	1/2	372.51	1/2	24.58	1/2		1/2		1/2		1/2	
3/4	1,779.09	3/4	1,422.41	3/4	1,069.12	3/4	722.07	3/4	365.07	3/4	19.92	3/4		3/4		3/4		3/4	
9	1,771.68	9	1,414.98	9	1,061.98	9	714.63	9	357.63	9	15.26	9		9		9		9	
1/4	1,764.26	1/4	1,407.55	1/4	1,054.84	1/4	707.19	1/4	350.19	1/4		1/4		1/4		1/4		1/4	
1/2	1,756.84	1/2	1,400.12	1/2	1,047.70	1/2	699.76	1/2	342.76	1/2		1/2		1/2		1/2		1/2	
3/4	1,749.43	3/4	1,392.68	3/4	1,040.56	3/4	692.32	3/4	335.32	3/4		3/4		3/4		3/4		3/4	
10	1,742.01	10	1,385.25	10	1,033.42	10	684.88	10	327.88	10		10		10		10		10	
1/4	1,734.58	1/4	1,377.82	1/4	1,026.28	1/4	677.44	1/4	320.44	1/4		1/4		1/4		1/4		1/4	
1/2	1,727.15	1/2	1,370.39	1/2	1,019.14	1/2	670.01	1/2	313.01	1/2		1/2		1/2		1/2		1/2	
3/4	1,719.71	3/4	1,362.95	3/4	1,011.99	3/4	662.57	3/4	305.57	3/4		3/4		3/4		3/4		3/4	
11	1,712.28	11	1,355.52	11	1,004.85	11	655.13	11	298.13	11		11		11		11		11	
1/4	1,704.85	1/4	1,348.09	1/4	997.71	1/4	647.69	1/4	290.68	1/4		1/4		1/4		1/4		1/4	
1/2	1,697.42	1/2	1,340.66	1/2	990.57	1/2	640.26	1/2	283.23	1/2		1/2		1/2		1/2		1/2	
3/4	1,689.98	3/4	1,333.22	3/4	983.43	3/4	632.82	3/4	275.79	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED:02/20/2019 SW
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"

3 STBD

ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30066"

GAUGE HEIGHT 15'-09 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,378.03	0	4,159.82	0	3,940.99	0	3,721.82	0	3,490.78	0	3,141.21	0	2,784.26	0	2,427.26
1/4		1/4		1/4	4,373.52	1/4	4,155.27	1/4	3,936.43	1/4	3,717.25	1/4	3,484.57	1/4	3,133.78	1/4	2,776.83	1/4	2,419.81
1/2		1/2		1/2	4,369.00	1/2	4,150.71	1/2	3,931.87	1/2	3,712.68	1/2	3,478.36	1/2	3,126.34	1/2	2,769.39	1/2	2,412.37
3/4		3/4		3/4	4,364.49	3/4	4,146.15	3/4	3,927.31	3/4	3,708.11	3/4	3,471.67	3/4	3,118.90	3/4	2,761.95	3/4	2,404.92
1		1		1	4,359.97	1	4,141.59	1	3,922.75	1	3,703.54	1	3,464.98	1	3,111.47	1	2,754.52	1	2,397.47
1/4		1/4		1/4	4,355.46	1/4	4,137.03	1/4	3,918.19	1/4	3,698.97	1/4	3,458.29	1/4	3,104.03	1/4	2,747.08	1/4	2,390.03
1/2		1/2		1/2	4,350.95	1/2	4,132.47	1/2	3,913.63	1/2	3,694.39	1/2	3,451.60	1/2	3,096.60	1/2	2,739.64	1/2	2,382.58
3/4		3/4		3/4	4,346.43	3/4	4,127.91	3/4	3,909.07	3/4	3,689.82	3/4	3,444.43	3/4	3,089.16	3/4	2,732.21	3/4	2,375.13
2		2		2	4,341.92	2	4,123.35	2	3,904.52	2	3,685.25	2	3,437.27	2	3,081.72	2	2,724.77	2	2,367.69
1/4		1/4		1/4	4,337.40	1/4	4,118.79	1/4	3,899.96	1/4	3,680.68	1/4	3,430.10	1/4	3,074.29	1/4	2,717.33	1/4	2,360.24
1/2		1/2		1/2	4,332.89	1/2	4,114.23	1/2	3,895.40	1/2	3,676.11	1/2	3,422.93	1/2	3,066.85	1/2	2,709.90	1/2	2,352.79
3/4		3/4		3/4	4,328.38	3/4	4,109.67	3/4	3,890.84	3/4	3,671.54	3/4	3,415.54	3/4	3,059.41	3/4	2,702.46	3/4	2,345.35
3		3		3	4,323.86	3	4,105.12	3	3,886.28	3	3,666.96	3	3,408.14	3	3,051.98	3	2,695.02	3	2,337.90
1/4		1/4		1/4	4,319.35	1/4	4,100.56	1/4	3,881.72	1/4	3,662.39	1/4	3,400.75	1/4	3,044.54	1/4	2,687.59	1/4	2,330.45
1/2		1/2		1/2	4,314.83	1/2	4,096.00	1/2	3,877.16	1/2	3,657.82	1/2	3,393.35	1/2	3,037.10	1/2	2,680.15	1/2	2,323.01
3/4		3/4		3/4	4,310.28	3/4	4,091.44	3/4	3,872.60	3/4	3,653.25	3/4	3,385.95	3/4	3,029.67	3/4	2,672.71	3/4	2,315.56
4		4		4	4,305.72	4	4,086.88	4	3,868.04	4	3,648.68	4	3,378.54	4	3,022.23	4	2,665.28	4	2,308.11
1/4		1/4		1/4	4,301.16	1/4	4,082.32	1/4	3,863.48	1/4	3,644.10	1/4	3,371.14	1/4	3,014.79	1/4	2,657.84	1/4	2,300.67
1/2		1/2		1/2	4,296.60	1/2	4,077.76	1/2	3,858.92	1/2	3,639.53	1/2	3,363.74	1/2	3,007.36	1/2	2,650.41	1/2	2,293.22
3/4		3/4		3/4	4,292.04	3/4	4,073.20	3/4	3,854.37	3/4	3,634.96	3/4	3,356.33	3/4	2,999.92	3/4	2,642.97	3/4	2,285.77
5		5		5	4,287.48	5	4,068.64	5	3,849.81	5	3,630.39	5	3,348.92	5	2,992.48	5	2,635.53	5	2,278.33
1/4		1/4		1/4	4,282.92	1/4	4,064.08	1/4	3,845.25	1/4	3,625.82	1/4	3,341.51	1/4	2,985.05	1/4	2,628.09	1/4	2,270.88
1/2		1/2		1/2	4,278.36	1/2	4,059.52	1/2	3,840.69	1/2	3,621.25	1/2	3,334.10	1/2	2,977.61	1/2	2,620.65	1/2	2,263.43
3/4		3/4		3/4	4,273.80	3/4	4,054.97	3/4	3,836.12	3/4	3,616.67	3/4	3,326.70	3/4	2,970.17	3/4	2,613.22	3/4	2,255.98
6		6		6	4,269.24	6	4,050.41	6	3,831.54	6	3,612.10	6	3,319.29	6	2,962.74	6	2,605.78	6	2,248.54
1/4		1/4		1/4	4,264.68	1/4	4,045.85	1/4	3,826.97	1/4	3,607.53	1/4	3,311.88	1/4	2,955.30	1/4	2,598.34	1/4	2,241.09
1/2		1/2	4,469.53	1/2	4,260.13	1/2	4,041.29	1/2	3,822.40	1/2	3,602.96	1/2	3,304.47	1/2	2,947.87	1/2	2,590.90	1/2	2,233.64
3/4		3/4	4,466.35	3/4	4,255.57	3/4	4,036.73	3/4	3,817.83	3/4	3,598.39	3/4	3,297.06	3/4	2,940.43	3/4	2,583.47	3/4	2,226.20
7		7	4,463.17	7	4,251.01	7	4,032.17	7	3,813.26	7	3,593.82	7	3,289.66	7	2,932.99	7	2,576.03	7	2,218.75
1/4		1/4	4,459.99	1/4	4,246.45	1/4	4,027.61	1/4	3,808.69	1/4	3,589.24	1/4	3,282.25	1/4	2,925.56	1/4	2,568.59	1/4	2,211.30
1/2		1/2	4,456.80	1/2	4,241.89	1/2	4,023.05	1/2	3,804.11	1/2	3,584.67	1/2	3,274.84	1/2	2,918.12	1/2	2,561.15	1/2	2,203.86
3/4		3/4	4,452.86	3/4	4,237.33	3/4	4,018.49	3/4	3,799.54	3/4	3,580.10	3/4	3,267.43	3/4	2,910.68	3/4	2,553.72	3/4	2,196.41
8		8	4,448.92	8	4,232.77	8	4,013.93	8	3,794.97	8	3,575.53	8	3,260.03	8	2,903.25	8	2,546.28	8	2,188.96
1/4		1/4	4,444.97	1/4	4,228.21	1/4	4,009.37	1/4	3,790.40	1/4	3,570.96	1/4	3,252.62	1/4	2,895.81	1/4	2,538.84	1/4	2,181.52
1/2		1/2	4,441.03	1/2	4,223.65	1/2	4,004.82	1/2	3,785.83	1/2	3,566.39	1/2	3,245.21	1/2	2,888.37	1/2	2,531.40	1/2	2,174.07
3/4		3/4	4,436.56	3/4	4,219.09	3/4	4,000.26	3/4	3,781.26	3/4	3,561.57	3/4	3,237.80	3/4	2,880.94	3/4	2,523.97	3/4	2,166.62
9		9	4,432.09	9	4,214.53	9	3,995.70	9	3,776.68	9	3,556.76	9	3,230.39	9	2,873.50	9	2,516.53	9	2,159.18
1/4		1/4	4,427.61	1/4	4,209.98	1/4	3,991.14	1/4	3,772.11	1/4	3,551.95	1/4	3,222.99	1/4	2,866.06	1/4	2,509.09	1/4	2,151.73
1/2		1/2	4,423.14	1/2	4,205.42	1/2	3,986.58	1/2	3,767.54	1/2	3,547.14	1/2	3,215.58	1/2	2,858.63	1/2	2,501.65	1/2	2,144.28
3/4		3/4	4,418.64	3/4	4,200.86	3/4	3,982.02	3/4	3,762.97	3/4	3,541.89	3/4	3,208.14	3/4	2,851.19	3/4	2,494.22	3/4	2,136.84
10		10	4,414.13	10	4,196.30	10	3,977.46	10	3,758.40	10	3,536.64	10	3,200.71	10	2,843.75	10	2,486.78	10	2,129.39
1/4		1/4	4,409.62	1/4	4,191.74	1/4	3,972.90	1/4	3,753.83	1/4	3,531.38	1/4	3,193.27	1/4	2,836.32	1/4	2,479.34	1/4	2,121.94
1/2		1/2	4,405.12	1/2	4,187.18	1/2	3,968.34	1/2	3,749.25	1/2	3,526.13	1/2	3,185.83	1/2	2,828.88	1/2	2,471.90	1/2	2,114.50
3/4		3/4	4,400.60	3/4	4,182.62	3/4	3,963.78	3/4	3,744.68	3/4	3,520.40	3/4	3,178.40	3/4	2,821.44	3/4	2,464.47	3/4	2,107.05
11		11	4,396.09	11	4,178.06	11	3,959.22	11	3,740.11	11	3,514.67	11	3,170.96	11	2,814.01	11	2,457.03	11	2,099.60
1/4		1/4	4,391.58	1/4	4,173.50	1/4	3,954.67	1/4	3,735.54	1/4	3,508.93	1/4	3,163.52	1/4	2,806.57	1/4	2,449.59	1/4	2,092.16
1/2		1/2	4,387.06	1/2	4,168.94	1/2	3,950.11	1/2	3,730.97	1/2	3,503.20	1/2	3,156.09	1/2	2,799.14	1/2	2,442.15	1/2	2,084.71
3/4		3/4	4,382.55	3/4	4,164.38	3/4	3,945.55	3/4	3,726.40	3/4	3,496.99	3/4	3,148.65	3/4	2,791.70	3/4	2,434.71	3/4	2,077.26

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 OF 2" HERMETIC VALVE
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD

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

BARGE "MMLP 334"

3 STBD

ULLAGE TABLE
HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30066"

GAUGE HEIGHT 15'-09 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,069.82	0	1,712.38	0	1,354.93	0	997.74	0	640.56	0	283.13	0		0		0		0	
1/4	2,062.37	1/4	1,704.93	1/4	1,347.49	1/4	990.31	1/4	633.12	1/4	275.68	1/4		1/4		1/4		1/4	
1/2	2,054.92	1/2	1,697.48	1/2	1,340.04	1/2	982.87	1/2	625.67	1/2	268.24	1/2		1/2		1/2		1/2	
3/4	2,047.48	3/4	1,690.04	3/4	1,332.59	3/4	975.44	3/4	618.22	3/4	260.79	3/4		3/4		3/4		3/4	
1	2,040.03	1	1,682.59	1	1,325.15	1	968.01	1	610.78	1	253.35	1		1		1		1	
1/4	2,032.58	1/4	1,675.14	1/4	1,317.70	1/4	960.58	1/4	603.33	1/4	245.90	1/4		1/4		1/4		1/4	
1/2	2,025.14	1/2	1,667.70	1/2	1,310.25	1/2	953.14	1/2	595.88	1/2	238.45	1/2		1/2		1/2		1/2	
3/4	2,017.69	3/4	1,660.25	3/4	1,302.81	3/4	945.71	3/4	588.44	3/4	231.01	3/4		3/4		3/4		3/4	
2	2,010.24	2	1,652.80	2	1,295.36	2	938.28	2	580.99	2	223.56	2		2		2		2	
1/4	2,002.80	1/4	1,645.36	1/4	1,287.91	1/4	930.85	1/4	573.54	1/4	216.11	1/4		1/4		1/4		1/4	
1/2	1,995.35	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		1/2	
3/4	1,987.90	3/4	1,630.46	3/4	1,273.02	3/4	915.98	3/4	558.65	3/4	201.22	3/4		3/4		3/4		3/4	
3	1,980.46	3	1,623.02	3	1,265.57	3	908.55	3	551.21	3	193.77	3		3		3		3	
1/4	1,973.01	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		1/4	
1/2	1,965.56	1/2	1,608.12	1/2	1,250.68	1/2	893.69	1/2	536.31	1/2	178.88	1/2		1/2		1/2		1/2	
3/4	1,958.12	3/4	1,600.68	3/4	1,243.23	3/4	886.26	3/4	528.87	3/4	171.43	3/4		3/4		3/4		3/4	
4	1,950.67	4	1,593.23	4	1,235.79	4	878.82	4	521.42	4	163.99	4		4		4		4	
1/4	1,943.22	1/4	1,585.78	1/4	1,228.34	1/4	871.39	1/4	513.97	1/4	156.54	1/4		1/4		1/4		1/4	
1/2	1,935.78	1/2	1,578.34	1/2	1,220.89	1/2	863.96	1/2	506.53	1/2	149.09	1/2		1/2		1/2		1/2	
3/4	1,928.33	3/4	1,570.89	3/4	1,213.45	3/4	856.51	3/4	499.08	3/4	141.65	3/4		3/4		3/4		3/4	
5	1,920.88	5	1,563.44	5	1,206.00	5	849.07	5	491.63	5	134.20	5		5		5		5	
1/4	1,913.44	1/4	1,556.00	1/4	1,198.55	1/4	841.62	1/4	484.19	1/4	126.76	1/4		1/4		1/4		1/4	
1/2	1,905.99	1/2	1,548.55	1/2	1,191.11	1/2	834.17	1/2	476.74	1/2	119.31	1/2		1/2		1/2		1/2	
3/4	1,898.54	3/4	1,541.10	3/4	1,183.66	3/4	826.73	3/4	469.29	3/4	111.88	3/4		3/4		3/4		3/4	
6	1,891.10	6	1,533.66	6	1,176.21	6	819.28	6	461.85	6	104.44	6		6		6		6	
1/4	1,883.65	1/4	1,526.21	1/4	1,168.77	1/4	811.83	1/4	454.40	1/4	97.01	1/4		1/4		1/4		1/4	
1/2	1,876.20	1/2	1,518.76	1/2	1,161.32	1/2	804.39	1/2	446.95	1/2	89.57	1/2		1/2		1/2		1/2	
3/4	1,868.76	3/4	1,511.31	3/4	1,153.88	3/4	796.94	3/4	439.51	3/4	82.16	3/4		3/4		3/4		3/4	
7	1,861.31	7	1,503.87	7	1,146.44	7	789.49	7	432.06	7	74.75	7		7		7		7	
1/4	1,853.86	1/4	1,496.42	1/4	1,139.00	1/4	782.05	1/4	424.61	1/4	67.34	1/4		1/4		1/4		1/4	
1/2	1,846.42	1/2	1,488.97	1/2	1,131.55	1/2	774.60	1/2	417.17	1/2	59.93	1/2		1/2		1/2		1/2	
3/4	1,838.97	3/4	1,481.53	3/4	1,124.11	3/4	767.15	3/4	409.72	3/4	53.41	3/4		3/4		3/4		3/4	
8	1,831.52	8	1,474.08	8	1,116.67	8	759.71	8	402.28	8	46.90	8		8		8		8	
1/4	1,824.08	1/4	1,466.63	1/4	1,109.23	1/4	752.26	1/4	394.83	1/4	40.39	1/4		1/4		1/4		1/4	
1/2	1,816.63	1/2	1,459.19	1/2	1,101.79	1/2	744.81	1/2	387.38	1/2	33.87	1/2		1/2		1/2		1/2	
3/4	1,809.18	3/4	1,451.74	3/4	1,094.36	3/4	737.37	3/4	379.94	3/4	29.22	3/4		3/4		3/4		3/4	
9	1,801.74	9	1,444.29	9	1,086.92	9	729.92	9	372.49	9	24.56	9		9		9		9	
1/4	1,794.29	1/4	1,436.85	1/4	1,079.49	1/4	722.47	1/4	365.04	1/4	19.91	1/4		1/4		1/4		1/4	
1/2	1,786.84	1/2	1,429.40	1/2	1,072.06	1/2	715.03	1/2	357.60	1/2	15.26	1/2		1/2		1/2		1/2	
3/4	1,779.40	3/4	1,421.95	3/4	1,064.63	3/4	707.58	3/4	350.15	3/4		3/4		3/4		3/4		3/4	
10	1,771.95	10	1,414.51	10	1,057.20	10	700.14	10	342.70	10		10		10		10		10	
1/4	1,764.50	1/4	1,407.06	1/4	1,049.76	1/4	692.69	1/4	335.26	1/4		1/4		1/4		1/4		1/4	
1/2	1,757.06	1/2	1,399.61	1/2	1,042.33	1/2	685.24	1/2	327.81	1/2		1/2		1/2		1/2		1/2	
3/4	1,749.61	3/4	1,392.17	3/4	1,034.90	3/4	677.80	3/4	320.36	3/4		3/4		3/4		3/4		3/4	
11	1,742.16	11	1,384.72	11	1,027.47	11	670.35	11	312.92	11		11		11		11		11	
1/4	1,734.72	1/4	1,377.27	1/4	1,020.03	1/4	662.90	1/4	305.47	1/4		1/4		1/4		1/4		1/4	
1/2	1,727.27	1/2	1,369.83	1/2	1,012.60	1/2	655.46	1/2	298.02	1/2		1/2		1/2		1/2		1/2	
3/4	1,719.82	3/4	1,362.38	3/4	1,005.17	3/4	648.01	3/4	290.58	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2019

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