



BARGE "MMLP 333"

ULLAGE (HERMETIC)

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-3/4	00-3/4	- 01-0/8	01-0/8	- 01-1/4	01-1/4	- 01-1/2	01-1/2
1 STBD	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-3/4	00-3/4	- 01-0/8	01-0/8	- 01-1/4	01-1/4	- 01-1/2	01-1/2
2 PORT	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-3/4	00-3/4	- 01-0/8	01-0/8	- 01-1/4	01-1/4	- 01-1/2	01-1/2
2 STBD	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-3/4	00-3/4	- 01-0/8	01-0/8	- 01-1/4	01-1/4	- 01-1/2	01-1/2
3 PORT	01-0/8	- 01-0/8	02-1/8	- 02-1/8	03-1/8	- 03-1/8	04-1/4	- 04-1/4	05-1/4	- 05-1/4	06-3/8	- 06-3/8
3 STBD	01-0/8	- 01-0/8	02-1/8	- 02-1/8	03-1/8	- 03-1/8	04-1/4	- 04-1/4	05-1/4	- 05-1/4	06-3/8	- 06-3/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 4'-00"
 DIFF. = 2'-00" (DOWN BY STERN)

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

LENGTH BETWEEN DRAFT MARKS: 237'-06"

December 9, 2018

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "MMLP 333"

ULLAGE (8" HATCH)

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 01-0/8	01-0/8	- 01-3/8	01-3/8	- 01-5/8	01-5/8	- 02-0/8	02-0/8
1 STBD	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 01-0/8	01-0/8	- 01-3/8	01-3/8	- 01-5/8	01-5/8	- 02-0/8	02-0/8
2 PORT	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 01-0/8	01-0/8	- 01-3/8	01-3/8	- 01-5/8	01-5/8	- 02-0/8	02-0/8
2 STBD	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 01-0/8	01-0/8	- 01-3/8	01-3/8	- 01-5/8	01-5/8	- 02-0/8	02-0/8
3 PORT	01-1/8	- 01-1/8	02-3/8	- 02-3/8	03-1/2	- 03-1/2	04-5/8	- 04-5/8	05-6/8	- 05-6/8	07-0/8	- 07-0/8
3 STBD	01-1/8	- 01-1/8	02-3/8	- 02-3/8	03-1/2	- 03-1/2	04-5/8	- 04-5/8	05-6/8	- 05-6/8	07-0/8	- 07-0/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 4'-00"
 DIFF. = 2'-00" (DOWN BY STERN)

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

LENGTH BETWEEN DRAFT MARKS: 237'-06"

December 9, 2018

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

<http://www.pmacorp.net>



BARGE "MMLP 333"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 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	4,996.68	0	4,657.94	0	4,300.93	0	3,943.21	0	3,585.15	0	3,227.09	0	2,869.04	0	2,510.98	0	2,152.93	
1/4	1/4	4,992.32	1/4	4,650.50	1/4	4,293.49	1/4	3,935.75	1/4	3,577.69	1/4	3,219.63	1/4	2,861.58	1/4	2,503.52	1/4	2,145.47	
1/2	1/2	4,987.96	1/2	4,643.06	1/2	4,286.05	1/2	3,928.29	1/2	3,570.23	1/2	3,212.17	1/2	2,854.12	1/2	2,496.06	1/2	2,138.01	
3/4	3/4	4,982.54	3/4	4,635.63	3/4	4,278.62	3/4	3,920.83	3/4	3,562.77	3/4	3,204.72	3/4	2,846.66	3/4	2,488.60	3/4	2,130.55	
1	1	4,977.11	1	4,628.19	1	4,271.18	1	3,913.37	1	3,555.31	1	3,197.26	1	2,839.20	1	2,481.14	1	2,123.09	
1/4	1/4	4,971.69	1/4	4,620.75	1/4	4,263.74	1/4	3,905.91	1/4	3,547.85	1/4	3,189.80	1/4	2,831.74	1/4	2,473.68	1/4	2,115.63	
1/2	1/2	4,966.26	1/2	4,613.31	1/2	4,256.30	1/2	3,898.45	1/2	3,540.39	1/2	3,182.34	1/2	2,824.28	1/2	2,466.22	1/2	2,108.17	
3/4	3/4	4,959.66	3/4	4,605.88	3/4	4,248.87	3/4	3,890.99	3/4	3,532.93	3/4	3,174.88	3/4	2,816.82	3/4	2,458.77	3/4	2,100.71	
2	2	4,953.06	2	4,598.44	2	4,241.43	2	3,883.53	2	3,525.47	2	3,167.42	2	2,809.36	2	2,451.31	2	2,093.25	
1/4	1/4	4,946.46	1/4	4,591.00	1/4	4,233.99	1/4	3,876.07	1/4	3,518.01	1/4	3,159.96	1/4	2,801.90	1/4	2,443.85	1/4	2,085.79	
1/2	1/2	4,939.86	1/2	4,583.56	1/2	4,226.55	1/2	3,868.61	1/2	3,510.55	1/2	3,152.50	1/2	2,794.44	1/2	2,436.39	1/2	2,078.33	
3/4	3/4	4,932.59	3/4	4,576.12	3/4	4,219.12	3/4	3,861.15	3/4	3,503.10	3/4	3,145.04	3/4	2,786.98	3/4	2,428.93	3/4	2,070.87	
3	3	4,925.31	3	4,568.69	3	4,211.68	3	3,853.69	3	3,495.64	3	3,137.58	3	2,779.52	3	2,421.47	3	2,063.41	
1/4	1/4	4,918.03	1/4	4,561.25	1/4	4,204.24	1/4	3,846.23	1/4	3,488.18	1/4	3,130.12	1/4	2,772.06	1/4	2,414.01	1/4	2,055.96	
1/2	1/2	4,910.75	1/2	4,553.81	1/2	4,196.80	1/2	3,838.77	1/2	3,480.72	1/2	3,122.66	1/2	2,764.60	1/2	2,406.55	1/2	2,048.50	
3/4	3/4	4,903.33	3/4	4,546.37	3/4	4,189.35	3/4	3,831.31	3/4	3,473.26	3/4	3,115.20	3/4	2,757.15	3/4	2,399.09	3/4	2,041.04	
4	4	4,895.91	4	4,538.94	4	4,181.90	4	3,823.85	4	3,465.80	4	3,107.74	4	2,749.69	4	2,391.63	4	2,033.58	
1/4	1/4	4,888.49	1/4	4,531.50	1/4	4,174.44	1/4	3,816.39	1/4	3,458.34	1/4	3,100.28	1/4	2,742.23	1/4	2,384.17	1/4	2,026.12	
1/2	1/2	4,881.07	1/2	4,524.06	1/2	4,166.99	1/2	3,808.93	1/2	3,450.88	1/2	3,092.82	1/2	2,734.77	1/2	2,376.71	1/2	2,018.66	
3/4	3/4	4,873.63	3/4	4,516.62	3/4	4,159.53	3/4	3,801.48	3/4	3,443.42	3/4	3,085.36	3/4	2,727.31	3/4	2,369.25	3/4	2,011.20	
5	5	4,866.20	5	4,509.19	5	4,152.07	5	3,794.02	5	3,435.96	5	3,077.90	5	2,719.85	5	2,361.79	5	2,003.74	
1/4	1/4	4,858.76	1/4	4,501.75	1/4	4,144.61	1/4	3,786.56	1/4	3,428.50	1/4	3,070.44	1/4	2,712.39	1/4	2,354.33	1/4	1,996.28	
1/2	1/2	4,851.32	1/2	4,494.31	1/2	4,137.15	1/2	3,779.10	1/2	3,421.04	1/2	3,062.98	1/2	2,704.93	1/2	2,346.87	1/2	1,988.82	
3/4	3/4	4,843.89	3/4	4,486.87	3/4	4,129.69	3/4	3,771.64	3/4	3,413.58	3/4	3,055.53	3/4	2,697.47	3/4	2,339.41	3/4	1,981.36	
6	6	4,836.45	6	4,479.43	6	4,122.23	6	3,764.18	6	3,406.12	6	3,048.07	6	2,690.01	6	2,331.95	6	1,973.90	
1/4	1/4	4,829.01	1/4	4,472.00	1/4	4,114.77	1/4	3,756.72	1/4	3,398.66	1/4	3,040.61	1/4	2,682.55	1/4	2,324.49	1/4	1,966.44	
1/2	1/2	4,821.57	1/2	4,464.56	1/2	4,107.31	1/2	3,749.26	1/2	3,391.20	1/2	3,033.15	1/2	2,675.09	1/2	2,317.03	1/2	1,958.98	
3/4	3/4	4,814.13	3/4	4,457.12	3/4	4,099.86	3/4	3,741.80	3/4	3,383.74	3/4	3,025.69	3/4	2,667.63	3/4	2,309.58	3/4	1,951.52	
7	7	4,806.69	7	4,449.68	7	4,092.40	7	3,734.34	7	3,376.28	7	3,018.23	7	2,660.17	7	2,302.12	7	1,944.06	
1/4	1/4	4,799.26	1/4	4,442.25	1/4	4,084.94	1/4	3,726.88	1/4	3,368.82	1/4	3,010.77	1/4	2,652.71	1/4	2,294.66	1/4	1,936.60	
1/2	1/2	4,791.82	1/2	4,434.81	1/2	4,077.48	1/2	3,719.42	1/2	3,361.36	1/2	3,003.31	1/2	2,645.25	1/2	2,287.20	1/2	1,929.15	
3/4	3/4	4,784.38	3/4	4,427.37	3/4	4,070.02	3/4	3,711.96	3/4	3,353.91	3/4	2,995.85	3/4	2,637.79	3/4	2,279.74	3/4	1,921.69	
8	8	4,776.94	8	4,419.93	8	4,062.56	8	3,704.50	8	3,346.45	8	2,988.39	8	2,630.33	8	2,272.28	8	1,914.23	
1/4	1/4	4,769.51	1/4	4,412.50	1/4	4,055.10	1/4	3,697.04	1/4	3,338.99	1/4	2,980.93	1/4	2,622.87	1/4	2,264.82	1/4	1,906.77	
1/2	1/2	4,762.07	1/2	4,405.06	1/2	4,047.64	1/2	3,689.58	1/2	3,331.53	1/2	2,973.47	1/2	2,615.41	1/2	2,257.36	1/2	1,899.31	
3/4	3/4	4,754.63	3/4	4,397.62	3/4	4,040.18	3/4	3,682.12	3/4	3,324.07	3/4	2,966.01	3/4	2,607.96	3/4	2,249.90	3/4	1,891.85	
9	9	4,747.19	9	4,390.18	9	4,032.72	9	3,674.66	9	3,316.61	9	2,958.55	9	2,600.50	9	2,242.44	9	1,884.39	
1/4	1/4	4,739.75	1/4	4,382.74	1/4	4,025.26	1/4	3,667.20	1/4	3,309.15	1/4	2,951.09	1/4	2,593.04	1/4	2,234.98	1/4	1,876.93	
1/2	1/2	4,732.32	1/2	4,375.31	1/2	4,017.80	1/2	3,659.74	1/2	3,301.69	1/2	2,943.63	1/2	2,585.58	1/2	2,227.52	1/2	1,869.47	
3/4	3/4	4,724.88	3/4	4,367.87	3/4	4,010.34	3/4	3,652.29	3/4	3,294.23	3/4	2,936.17	3/4	2,578.12	3/4	2,220.06	3/4	1,862.01	
10	10	4,717.44	10	4,360.43	10	4,002.88	10	3,644.83	10	3,286.77	10	2,928.71	10	2,570.66	10	2,212.60	10	1,854.55	
1/4	1/4	4,710.00	1/4	4,352.99	1/4	3,995.42	1/4	3,637.37	1/4	3,279.31	1/4	2,921.25	1/4	2,563.20	1/4	2,205.14	1/4	1,847.09	
1/2	1/2	4,702.57	1/2	4,345.56	1/2	3,987.96	1/2	3,629.91	1/2	3,271.85	1/2	2,913.79	1/2	2,555.74	1/2	2,197.68	1/2	1,839.63	
3/4	3/4	4,695.13	3/4	4,338.12	3/4	3,980.50	3/4	3,622.45	3/4	3,264.39	3/4	2,906.34	3/4	2,548.28	3/4	2,190.22	3/4	1,832.17	
11	11	4,687.69	11	4,330.68	11	3,973.04	11	3,614.99	11	3,256.93	11	2,898.88	11	2,540.82	11	2,182.76	11	1,824.71	
1/4	1/4	4,680.25	1/4	4,323.24	1/4	3,965.58	1/4	3,607.53	1/4	3,249.47	1/4	2,891.42	1/4	2,533.36	1/4	2,175.31	1/4	1,817.25	
1/2	1/2	4,672.81	1/2	4,315.81	1/2	3,958.12	1/2	3,600.07	1/2	3,242.01	1/2	2,883.96	1/2	2,525.90	1/2	2,167.85	1/2	1,809.79	
3/4	3/4	4,665.38	3/4	4,308.37	3/4	3,950.67	3/4	3,592.61	3/4	3,234.55	3/4	2,876.50	3/4	2,518.44	3/4	2,160.39	3/4	1,802.34	

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 AT GAUGE POINT
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN AT 8" DIAMETER HATCH OR 2" DIAMETER "HERMETIC" VALVE
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 37'-09" FORWARD OF AFT BULKHEAD
 GAUGE POINT: (8" HATCH) LOCATED 12'-06" OFF CENTERLINE AND 36'-03" FORWARD OF AFT BULKHEAD

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



BARGE "MMLP 333"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 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	1,794.88	0	1,436.92	0	1,078.87	0	723.18	0	372.26	0	53.32	0		0		0		0	
1/4	1,787.42	1/4	1,429.46	1/4	1,071.41	1/4	715.76	1/4	365.06	1/4	47.83	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,779.96	1/2	1,422.00	1/2	1,063.95	1/2	708.34	1/2	357.85	1/2	42.34	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,772.50	3/4	1,414.54	3/4	1,056.49	3/4	700.92	3/4	350.73	3/4	37.09	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,765.04	1	1,407.08	1	1,049.03	1	693.49	1	343.61	1	31.85	1	1	1	1	1	1	1	1
1/4	1,757.58	1/4	1,399.63	1/4	1,041.57	1/4	686.07	1/4	336.49	1/4	26.60	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,750.13	1/2	1,392.17	1/2	1,034.11	1/2	678.64	1/2	329.37	1/2	21.35	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,742.67	3/4	1,384.71	3/4	1,026.69	3/4	671.19	3/4	322.30	3/4	17.63	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,735.21	2	1,377.25	2	1,019.27	2	663.74	2	315.22	2	13.92	2	2	2	2	2	2	2	2
1/4	1,727.76	1/4	1,369.79	1/4	1,011.85	1/4	656.29	1/4	308.14	1/4	10.20	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,720.30	1/2	1,362.33	1/2	1,004.43	1/2	648.84	1/2	301.07	1/2	6.48	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,712.85	3/4	1,354.87	3/4	997.03	3/4	641.38	3/4	294.06	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,705.39	3	1,347.41	3	989.62	3	633.92	3	287.06	3		3	3	3	3	3	3	3	3
1/4	1,697.94	1/4	1,339.95	1/4	982.21	1/4	626.46	1/4	280.06	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,690.48	1/2	1,332.49	1/2	974.80	1/2	619.00	1/2	273.05	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,683.03	3/4	1,325.03	3/4	967.40	3/4	611.54	3/4	266.13	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,675.57	4	1,317.57	4	960.00	4	604.08	4	259.22	4		4	4	4	4	4	4	4	4
1/4	1,668.12	1/4	1,310.11	1/4	952.60	1/4	596.62	1/4	252.30	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,660.66	1/2	1,302.65	1/2	945.20	1/2	589.16	1/2	245.38	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,653.20	3/4	1,295.19	3/4	937.80	3/4	581.70	3/4	238.55	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,645.75	5	1,287.73	5	930.40	5	574.24	5	231.72	5		5	5	5	5	5	5	5	5
1/4	1,638.29	1/4	1,280.27	1/4	923.00	1/4	566.79	1/4	224.89	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,630.84	1/2	1,272.82	1/2	915.60	1/2	559.33	1/2	218.06	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,623.38	3/4	1,265.36	3/4	908.20	3/4	551.87	3/4	211.32	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,615.93	6	1,257.90	6	900.80	6	544.41	6	204.58	6		6	6	6	6	6	6	6	6
1/4	1,608.47	1/4	1,250.44	1/4	893.41	1/4	536.95	1/4	197.84	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,601.02	1/2	1,242.98	1/2	886.01	1/2	529.49	1/2	191.09	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,593.56	3/4	1,235.52	3/4	878.61	3/4	522.03	3/4	184.44	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,586.10	7	1,228.06	7	871.21	7	514.57	7	177.78	7		7	7	7	7	7	7	7	7
1/4	1,578.65	1/4	1,220.60	1/4	863.81	1/4	507.11	1/4	171.12	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,571.19	1/2	1,213.14	1/2	856.41	1/2	499.65	1/2	164.47	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,563.73	3/4	1,205.68	3/4	849.01	3/4	492.19	3/4	157.94	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,556.27	8	1,198.22	8	841.61	8	484.73	8	151.42	8		8	8	8	8	8	8	8	8
1/4	1,548.81	1/4	1,190.76	1/4	834.21	1/4	477.28	1/4	144.89	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,541.35	1/2	1,183.30	1/2	826.81	1/2	469.82	1/2	138.37	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,533.89	3/4	1,175.84	3/4	819.41	3/4	462.89	3/4	131.94	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,526.43	9	1,168.38	9	812.01	9	455.95	9	125.52	9		9	9	9	9	9	9	9	9
1/4	1,518.98	1/4	1,160.92	1/4	804.61	1/4	449.02	1/4	119.09	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,511.52	1/2	1,153.46	1/2	797.21	1/2	442.09	1/2	112.67	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,504.06	3/4	1,146.01	3/4	789.82	3/4	435.37	3/4	106.33	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,496.60	10	1,138.55	10	782.42	10	428.65	10	99.99	10		10	10	10	10	10	10	10	10
1/4	1,489.14	1/4	1,131.09	1/4	775.02	1/4	421.93	1/4	93.66	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,481.68	1/2	1,123.63	1/2	767.62	1/2	415.20	1/2	87.32	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,474.22	3/4	1,116.17	3/4	760.22	3/4	408.07	3/4	81.56	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,466.76	11	1,108.71	11	752.82	11	400.94	11	75.81	11		11	11	11	11	11	11	11	11
1/4	1,459.30	1/4	1,101.25	1/4	745.42	1/4	393.81	1/4	70.05	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,451.84	1/2	1,093.79	1/2	738.02	1/2	386.68	1/2	64.29	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,444.38	3/4	1,086.33	3/4	730.60	3/4	379.47	3/4	58.81	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/07/2018 CL
CALCULATED: 12/09/2018 CL
PRINTED: 12/09/2018 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2018

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

Uncontrolled Customer Copy



BARGE "MMLP 333"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 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	4,987.60	0	4,646.21	0	4,289.65	0	3,932.34	0	3,574.74	0	3,217.13	0	2,859.53	0	2,501.92	0	2,144.32	
1/4	1/4	4,983.24	1/4	4,638.78	1/4	4,282.22	1/4	3,924.89	1/4	3,567.29	1/4	3,209.68	1/4	2,852.08	1/4	2,464.47	1/4	2,136.87	
1/2	1/2	4,977.82	1/2	4,631.35	1/2	4,274.79	1/2	3,917.44	1/2	3,559.84	1/2	3,202.23	1/2	2,844.63	1/2	2,487.02	1/2	2,129.42	
3/4	3/4	4,972.41	3/4	4,623.93	3/4	4,267.36	3/4	3,909.99	3/4	3,552.39	3/4	3,194.78	3/4	2,837.18	3/4	2,479.57	3/4	2,121.97	
1	1	4,966.99	1	4,616.50	1	4,259.93	1	3,902.54	1	3,544.94	1	3,187.33	1	2,829.73	1	2,472.12	1	2,114.52	
1/4	1/4	4,961.57	1/4	4,609.07	1/4	4,252.51	1/4	3,895.09	1/4	3,537.49	1/4	3,179.88	1/4	2,822.28	1/4	2,464.67	1/4	2,107.07	
1/2	1/2	4,954.98	1/2	4,601.64	1/2	4,245.08	1/2	3,887.64	1/2	3,530.04	1/2	3,172.43	1/2	2,814.83	1/2	2,457.22	1/2	2,099.62	
3/4	3/4	4,948.39	3/4	4,594.21	3/4	4,237.65	3/4	3,880.19	3/4	3,522.59	3/4	3,164.98	3/4	2,807.38	3/4	2,449.77	3/4	2,092.17	
2	2	4,941.80	2	4,586.78	2	4,230.22	2	3,872.74	2	3,515.14	2	3,157.53	2	2,799.93	2	2,442.32	2	2,084.72	
1/4	1/4	4,935.20	1/4	4,579.36	1/4	4,222.79	1/4	3,865.29	1/4	3,507.69	1/4	3,150.08	1/4	2,792.48	1/4	2,434.87	1/4	2,077.27	
1/2	1/2	4,927.94	1/2	4,571.93	1/2	4,215.36	1/2	3,857.84	1/2	3,500.24	1/2	3,142.63	1/2	2,785.03	1/2	2,427.42	1/2	2,069.82	
3/4	3/4	4,920.67	3/4	4,564.50	3/4	4,207.94	3/4	3,850.39	3/4	3,492.79	3/4	3,135.18	3/4	2,777.58	3/4	2,419.97	3/4	2,062.37	
3	3	4,913.40	3	4,557.07	3	4,200.51	3	3,842.94	3	3,485.33	3	3,127.73	3	2,770.13	3	2,412.52	3	2,054.92	
1/4	1/4	4,906.13	1/4	4,549.64	1/4	4,193.08	1/4	3,835.49	1/4	3,477.88	1/4	3,120.28	1/4	2,762.68	1/4	2,405.07	1/4	2,047.47	
1/2	1/2	4,898.72	1/2	4,542.21	1/2	4,185.63	1/2	3,828.04	1/2	3,470.43	1/2	3,112.83	1/2	2,755.23	1/2	2,397.62	1/2	2,040.02	
3/4	3/4	4,891.31	3/4	4,534.79	3/4	4,178.19	3/4	3,820.59	3/4	3,462.98	3/4	3,105.38	3/4	2,747.78	3/4	2,390.17	3/4	2,032.57	
4	4	4,883.89	4	4,527.36	4	4,170.74	4	3,813.14	4	3,455.53	4	3,097.93	4	2,740.32	4	2,382.72	4	2,025.12	
1/4	1/4	4,876.48	1/4	4,519.93	1/4	4,163.29	1/4	3,805.69	1/4	3,448.08	1/4	3,090.48	1/4	2,732.87	1/4	2,375.27	1/4	2,017.67	
1/2	1/2	4,869.06	1/2	4,512.50	1/2	4,155.84	1/2	3,798.24	1/2	3,440.63	1/2	3,083.03	1/2	2,725.42	1/2	2,367.82	1/2	2,010.22	
3/4	3/4	4,861.63	3/4	4,505.07	3/4	4,148.39	3/4	3,790.79	3/4	3,433.18	3/4	3,075.58	3/4	2,717.97	3/4	2,360.37	3/4	2,002.77	
5	5	4,854.20	5	4,497.64	5	4,140.94	5	3,783.34	5	3,425.73	5	3,068.13	5	2,710.52	5	2,352.92	5	1,995.32	
1/4	1/4	4,846.78	1/4	4,490.22	1/4	4,133.49	1/4	3,775.89	1/4	3,418.28	1/4	3,060.68	1/4	2,703.07	1/4	2,345.47	1/4	1,987.87	
1/2	1/2	4,839.35	1/2	4,482.79	1/2	4,126.04	1/2	3,768.44	1/2	3,410.83	1/2	3,053.23	1/2	2,695.62	1/2	2,338.02	1/2	1,980.42	
3/4	3/4	4,831.92	3/4	4,475.36	3/4	4,118.59	3/4	3,760.99	3/4	3,403.38	3/4	3,045.78	3/4	2,688.17	3/4	2,330.57	3/4	1,972.97	
6	6	4,824.49	6	4,467.93	6	4,111.14	6	3,753.54	6	3,395.93	6	3,038.33	6	2,680.72	6	2,323.12	6	1,965.52	
1/4	1/4	4,817.06	1/4	4,460.50	1/4	4,103.69	1/4	3,746.09	1/4	3,388.48	1/4	3,030.88	1/4	2,673.27	1/4	2,315.67	1/4	1,958.07	
1/2	1/2	4,809.64	1/2	4,453.07	1/2	4,096.24	1/2	3,738.64	1/2	3,381.03	1/2	3,023.43	1/2	2,665.82	1/2	2,308.22	1/2	1,950.62	
3/4	3/4	4,802.21	3/4	4,445.64	3/4	4,088.79	3/4	3,731.19	3/4	3,373.58	3/4	3,015.98	3/4	2,658.37	3/4	2,300.77	3/4	1,943.17	
7	7	4,794.78	7	4,438.22	7	4,081.34	7	3,723.74	7	3,366.13	7	3,008.53	7	2,650.92	7	2,293.32	7	1,935.72	
1/4	1/4	4,787.35	1/4	4,430.79	1/4	4,073.89	1/4	3,716.29	1/4	3,358.68	1/4	3,001.08	1/4	2,643.47	1/4	2,285.87	1/4	1,928.27	
1/2	1/2	4,779.92	1/2	4,423.36	1/2	4,066.44	1/2	3,708.84	1/2	3,351.23	1/2	2,993.63	1/2	2,636.02	1/2	2,278.42	1/2	1,920.82	
3/4	3/4	4,772.49	3/4	4,415.93	3/4	4,058.99	3/4	3,701.39	3/4	3,343.78	3/4	2,986.18	3/4	2,628.57	3/4	2,270.97	3/4	1,913.37	
8	8	4,765.07	8	4,408.50	8	4,051.54	8	3,693.94	8	3,336.33	8	2,978.73	8	2,621.12	8	2,263.52	8	1,905.92	
1/4	1/4	4,757.64	1/4	4,401.07	1/4	4,044.09	1/4	3,686.49	1/4	3,328.88	1/4	2,971.28	1/4	2,613.67	1/4	2,256.07	1/4	1,898.47	
1/2	1/2	4,750.21	1/2	4,393.65	1/2	4,036.64	1/2	3,679.04	1/2	3,321.43	1/2	2,963.83	1/2	2,606.22	1/2	2,248.62	1/2	1,891.02	
3/4	3/4	4,742.78	3/4	4,386.22	3/4	4,029.19	3/4	3,671.59	3/4	3,313.98	3/4	2,956.38	3/4	2,598.77	3/4	2,241.17	3/4	1,883.57	
9	9	4,735.35	9	4,378.79	9	4,021.74	9	3,664.14	9	3,306.53	9	2,948.93	9	2,591.32	9	2,233.72	9	1,876.11	
1/4	1/4	4,727.92	1/4	4,371.36	1/4	4,014.29	1/4	3,656.69	1/4	3,299.08	1/4	2,941.48	1/4	2,583.87	1/4	2,226.27	1/4	1,868.66	
1/2	1/2	4,720.50	1/2	4,363.93	1/2	4,006.84	1/2	3,649.24	1/2	3,291.63	1/2	2,934.03	1/2	2,576.42	1/2	2,218.82	1/2	1,861.21	
3/4	3/4	4,713.07	3/4	4,356.50	3/4	3,999.39	3/4	3,641.79	3/4	3,284.18	3/4	2,926.58	3/4	2,568.97	3/4	2,211.37	3/4	1,853.76	
10	10	4,705.64	10	4,349.08	10	3,991.94	10	3,634.34	10	3,276.73	10	2,919.13	10	2,561.52	10	2,203.92	10	1,846.31	
1/4	1/4	4,698.21	1/4	4,341.65	1/4	3,984.49	1/4	3,626.89	1/4	3,269.28	1/4	2,911.68	1/4	2,554.07	1/4	2,196.47	1/4	1,838.86	
1/2	1/2	4,690.78	1/2	4,334.22	1/2	3,977.04	1/2	3,619.44	1/2	3,261.83	1/2	2,904.23	1/2	2,546.62	1/2	2,189.02	1/2	1,831.41	
3/4	3/4	4,683.35	3/4	4,326.79	3/4	3,969.59	3/4	3,611.99	3/4	3,254.38	3/4	2,896.78	3/4	2,539.17	3/4	2,181.57	3/4	1,823.96	
11	11	4,675.93	11	4,319.36	11	3,962.14	11	3,604.54	11	3,246.93	11	2,889.33	11	2,531.72	11	2,174.12	11	1,816.51	
1/4	1/4	4,668.50	1/4	4,311.93	1/4	3,954.69	1/4	3,597.09	1/4	3,239.48	1/4	2,881.88	1/4	2,524.27	1/4	2,166.67	1/4	1,809.06	
1/2	1/2	4,661.07	1/2	4,304.51	1/2	3,947.24	1/2	3,589.64	1/2	3,232.03	1/2	2,874.43	1/2	2,516.82	1/2	2,159.22	1/2	1,801.61	
3/4	3/4	4,991.95	3/4	4,653.64	3/4	4,297.08	3/4	3,939.79	3/4	3,582.19	3/4	3,224.58	3/4	2,866.98	3/4	2,509.37	3/4	2,151.77	

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 AT GAUGE POINT
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN AT 8" DIAMETER HATCH OR 2" DIAMETER "HERMETIC" VALVE
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 37'-09" FORWARD OF AFT BULKHEAD
 GAUGE POINT: (8" HATCH) LOCATED 12'-06" OFF CENTERLINE AND 36'-03" FORWARD OF AFT BULKHEAD

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





BARGE "MMLP 333"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 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	1,786.71	0	1,429.21	0	1,071.61	0	715.00	0	364.54	0	47.75	0		0		0		0	
1/4	1,779.26	1/4	1,421.76	1/4	1,064.16	1/4	707.55	1/4	357.34	1/4	42.27	1/4		1/4		1/4		1/4	
1/2	1,771.82	1/2	1,414.31	1/2	1,056.71	1/2	700.11	1/2	350.23	1/2	37.03	1/2		1/2		1/2		1/2	
3/4	1,764.37	3/4	1,406.86	3/4	1,049.26	3/4	692.66	3/4	343.12	3/4	31.79	3/4		3/4		3/4		3/4	
1	1,756.92	1	1,399.41	1	1,041.81	1	685.21	1	336.01	1	26.55	1		1		1		1	
1/4	1,749.47	1/4	1,391.96	1/4	1,034.36	1/4	677.76	1/4	328.90	1/4	21.30	1/4		1/4		1/4		1/4	
1/2	1,742.02	1/2	1,384.51	1/2	1,026.92	1/2	670.31	1/2	321.83	1/2	17.59	1/2		1/2		1/2		1/2	
3/4	1,734.58	3/4	1,377.06	3/4	1,019.48	3/4	662.86	3/4	314.77	3/4	13.88	3/4		3/4		3/4		3/4	
2	1,727.13	2	1,369.61	2	1,012.05	2	655.41	2	307.70	2	10.17	2		2		2		2	
1/4	1,719.68	1/4	1,362.16	1/4	1,004.61	1/4	647.96	1/4	300.63	1/4	6.46	1/4		1/4		1/4		1/4	
1/2	1,712.24	1/2	1,354.71	1/2	997.18	1/2	640.51	1/2	293.64	1/2		1/2		1/2		1/2		1/2	
3/4	1,704.79	3/4	1,347.26	3/4	989.75	3/4	633.06	3/4	286.64	3/4		3/4		3/4		3/4		3/4	
3	1,697.35	3	1,339.81	3	982.32	3	625.61	3	279.65	3		3		3		3		3	
1/4	1,689.90	1/4	1,332.36	1/4	974.89	1/4	618.16	1/4	272.65	1/4		1/4		1/4		1/4		1/4	
1/2	1,682.45	1/2	1,324.91	1/2	967.46	1/2	610.71	1/2	265.75	1/2		1/2		1/2		1/2		1/2	
3/4	1,675.01	3/4	1,317.46	3/4	960.04	3/4	603.26	3/4	258.84	3/4		3/4		3/4		3/4		3/4	
4	1,667.56	4	1,310.01	4	952.61	4	595.81	4	251.93	4		4		4		4		4	
1/4	1,660.12	1/4	1,302.56	1/4	945.18	1/4	588.36	1/4	245.02	1/4		1/4		1/4		1/4		1/4	
1/2	1,652.67	1/2	1,295.11	1/2	937.76	1/2	580.91	1/2	238.20	1/2		1/2		1/2		1/2		1/2	
3/4	1,645.22	3/4	1,287.66	3/4	930.34	3/4	573.46	3/4	231.38	3/4		3/4		3/4		3/4		3/4	
5	1,637.78	5	1,280.21	5	922.91	5	566.01	5	224.56	5		5		5		5		5	
1/4	1,630.33	1/4	1,272.76	1/4	915.49	1/4	558.56	1/4	217.74	1/4		1/4		1/4		1/4		1/4	
1/2	1,622.89	1/2	1,265.31	1/2	908.07	1/2	551.11	1/2	211.01	1/2		1/2		1/2		1/2		1/2	
3/4	1,615.44	3/4	1,257.86	3/4	900.64	3/4	543.66	3/4	204.27	3/4		3/4		3/4		3/4		3/4	
6	1,608.00	6	1,250.41	6	893.22	6	536.21	6	197.54	6		6		6		6		6	
1/4	1,600.55	1/4	1,242.96	1/4	885.80	1/4	528.76	1/4	190.80	1/4		1/4		1/4		1/4		1/4	
1/2	1,593.10	1/2	1,235.51	1/2	878.37	1/2	521.31	1/2	184.16	1/2		1/2		1/2		1/2		1/2	
3/4	1,585.65	3/4	1,228.06	3/4	870.95	3/4	513.86	3/4	177.51	3/4		3/4		3/4		3/4		3/4	
7	1,578.21	7	1,220.61	7	863.53	7	506.41	7	170.86	7		7		7		7		7	
1/4	1,570.76	1/4	1,213.16	1/4	856.10	1/4	498.96	1/4	164.22	1/4		1/4		1/4		1/4		1/4	
1/2	1,563.31	1/2	1,205.71	1/2	848.68	1/2	491.51	1/2	157.70	1/2		1/2		1/2		1/2		1/2	
3/4	1,555.86	3/4	1,198.26	3/4	841.26	3/4	484.06	3/4	151.18	3/4		3/4		3/4		3/4		3/4	
8	1,548.41	8	1,190.81	8	833.83	8	476.61	8	144.67	8		8		8		8		8	
1/4	1,540.96	1/4	1,183.36	1/4	826.41	1/4	469.16	1/4	138.15	1/4		1/4		1/4		1/4		1/4	
1/2	1,533.51	1/2	1,175.91	1/2	818.99	1/2	462.24	1/2	131.73	1/2		1/2		1/2		1/2		1/2	
3/4	1,526.06	3/4	1,168.46	3/4	811.56	3/4	455.32	3/4	125.32	3/4		3/4		3/4		3/4		3/4	
9	1,518.61	9	1,161.01	9	804.14	9	448.40	9	118.90	9		9		9		9		9	
1/4	1,511.16	1/4	1,153.56	1/4	796.72	1/4	441.47	1/4	112.49	1/4		1/4		1/4		1/4		1/4	
1/2	1,503.71	1/2	1,146.11	1/2	789.29	1/2	434.76	1/2	106.16	1/2		1/2		1/2		1/2		1/2	
3/4	1,496.26	3/4	1,138.66	3/4	781.87	3/4	428.05	3/4	99.83	3/4		3/4		3/4		3/4		3/4	
10	1,488.81	10	1,131.21	10	774.45	10	421.33	10	93.51	10		10		10		10		10	
1/4	1,481.36	1/4	1,123.76	1/4	767.02	1/4	414.62	1/4	87.18	1/4		1/4		1/4		1/4		1/4	
1/2	1,473.91	1/2	1,116.31	1/2	759.60	1/2	407.50	1/2	81.43	1/2		1/2		1/2		1/2		1/2	
3/4	1,466.46	3/4	1,108.86	3/4	752.18	3/4	400.38	3/4	75.68	3/4		3/4		3/4		3/4		3/4	
11	1,459.01	11	1,101.41	11	744.75	11	393.25	11	69.93	11		11		11		11		11	
1/4	1,451.56	1/4	1,093.96	1/4	737.33	1/4	386.13	1/4	64.18	1/4		1/4		1/4		1/4		1/4	
1/2	1,444.11	1/2	1,086.51	1/2	729.89	1/2	378.93	1/2	58.70	1/2		1/2		1/2		1/2		1/2	
3/4	1,436.66	3/4	1,079.06	3/4	722.44	3/4	371.74	3/4	53.23	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/07/2018 CL
CALCULATED: 12/09/2018 CL
PRINTED: 12/09/2018 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2018

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

Uncontrolled Customer Copy



BARGE "MMLP 333"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 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	5,058.34	0	4,718.49	0	4,360.29	0	4,001.36	0	3,642.12	0	3,282.88	0	2,923.64	0	2,564.40	0	2,205.16	
1/4	1/4	5,053.97	1/4	4,711.02	1/4	4,352.83	1/4	3,993.88	1/4	3,634.64	1/4	3,275.40	1/4	2,916.16	1/4	2,556.91	1/4	2,197.68	
1/2	1/2	5,049.60	1/2	4,703.56	1/2	4,345.37	1/2	3,986.40	1/2	3,627.15	1/2	3,267.91	1/2	2,908.67	1/2	2,549.43	1/2	2,190.19	
3/4	3/4	5,044.15	3/4	4,696.10	3/4	4,337.90	3/4	3,978.91	3/4	3,619.67	3/4	3,260.43	3/4	2,901.19	3/4	2,541.95	3/4	2,182.71	
1	1	5,038.71	1	4,688.64	1	4,330.44	1	3,971.43	1	3,612.19	1	3,252.94	1	2,893.70	1	2,534.46	1	2,175.22	
1/4	1/4	5,033.27	1/4	4,681.18	1/4	4,322.98	1/4	3,963.94	1/4	3,604.70	1/4	3,245.46	1/4	2,886.22	1/4	2,526.98	1/4	2,167.74	
1/2	1/2	5,027.83	1/2	4,673.71	1/2	4,315.52	1/2	3,956.46	1/2	3,597.22	1/2	3,237.98	1/2	2,878.73	1/2	2,519.49	1/2	2,160.26	
3/4	3/4	5,021.20	3/4	4,666.25	3/4	4,308.06	3/4	3,948.98	3/4	3,589.73	3/4	3,230.49	3/4	2,871.25	3/4	2,512.01	3/4	2,152.77	
2	2	5,014.58	2	4,658.79	2	4,300.59	2	3,941.49	2	3,582.25	2	3,223.01	2	2,863.77	2	2,504.53	2	2,145.29	
1/4	1/4	5,007.96	1/4	4,651.33	1/4	4,293.13	1/4	3,934.01	1/4	3,574.77	1/4	3,215.52	1/4	2,856.28	1/4	2,497.04	1/4	2,137.80	
1/2	1/2	5,001.34	1/2	4,643.86	1/2	4,285.67	1/2	3,926.52	1/2	3,567.28	1/2	3,208.04	1/2	2,848.80	1/2	2,489.56	1/2	2,130.32	
3/4	3/4	4,994.04	3/4	4,636.40	3/4	4,278.21	3/4	3,919.04	3/4	3,559.80	3/4	3,200.56	3/4	2,841.31	3/4	2,482.07	3/4	2,122.83	
3	3	4,986.73	3	4,628.94	3	4,270.74	3	3,911.55	3	3,552.31	3	3,193.07	3	2,833.83	3	2,474.59	3	2,115.35	
1/4	1/4	4,979.43	1/4	4,621.48	1/4	4,263.28	1/4	3,904.07	1/4	3,544.83	1/4	3,185.59	1/4	2,826.35	1/4	2,467.10	1/4	2,107.87	
1/2	1/2	4,972.13	1/2	4,614.01	1/2	4,255.82	1/2	3,896.59	1/2	3,537.34	1/2	3,178.10	1/2	2,818.86	1/2	2,459.62	1/2	2,100.38	
3/4	3/4	4,964.68	3/4	4,606.55	3/4	4,248.34	3/4	3,889.10	3/4	3,529.86	3/4	3,170.62	3/4	2,811.38	3/4	2,452.14	3/4	2,092.90	
4	4	4,957.24	4	4,599.09	4	4,240.85	4	3,881.62	4	3,522.38	4	3,163.13	4	2,803.89	4	2,444.65	4	2,085.41	
1/4	1/4	4,949.79	1/4	4,591.63	1/4	4,233.37	1/4	3,874.13	1/4	3,514.89	1/4	3,155.65	1/4	2,796.41	1/4	2,437.17	1/4	2,077.93	
1/2	1/2	4,942.35	1/2	4,584.16	1/2	4,225.89	1/2	3,866.65	1/2	3,507.41	1/2	3,148.17	1/2	2,788.92	1/2	2,429.68	1/2	2,070.44	
3/4	3/4	4,934.89	3/4	4,576.70	3/4	4,218.41	3/4	3,859.17	3/4	3,499.92	3/4	3,140.68	3/4	2,781.44	3/4	2,422.20	3/4	2,062.96	
5	5	4,927.43	5	4,569.24	5	4,210.92	5	3,851.68	5	3,492.44	5	3,133.20	5	2,773.96	5	2,414.71	5	2,055.48	
1/4	1/4	4,919.97	1/4	4,561.78	1/4	4,203.44	1/4	3,844.20	1/4	3,484.96	1/4	3,125.71	1/4	2,766.47	1/4	2,407.23	1/4	2,047.99	
1/2	1/2	4,912.51	1/2	4,554.31	1/2	4,195.95	1/2	3,836.71	1/2	3,477.47	1/2	3,118.23	1/2	2,758.99	1/2	2,399.75	1/2	2,040.51	
3/4	3/4	4,905.05	3/4	4,546.85	3/4	4,188.47	3/4	3,829.23	3/4	3,469.99	3/4	3,110.75	3/4	2,751.50	3/4	2,392.26	3/4	2,033.02	
6	6	4,897.59	6	4,539.39	6	4,180.99	6	3,821.74	6	3,462.50	6	3,103.26	6	2,744.02	6	2,384.78	6	2,025.54	
1/4	1/4	4,890.12	1/4	4,531.93	1/4	4,173.50	1/4	3,814.26	1/4	3,455.02	1/4	3,095.78	1/4	2,736.54	1/4	2,377.29	1/4	2,018.05	
1/2	1/2	4,882.66	1/2	4,524.46	1/2	4,166.02	1/2	3,806.78	1/2	3,447.53	1/2	3,088.29	1/2	2,729.05	1/2	2,369.81	1/2	2,010.57	
3/4	3/4	4,875.20	3/4	4,517.00	3/4	4,158.53	3/4	3,799.29	3/4	3,440.05	3/4	3,080.81	3/4	2,721.57	3/4	2,362.33	3/4	2,003.09	
7	7	4,867.74	7	4,509.54	7	4,151.05	7	3,791.81	7	3,432.57	7	3,073.32	7	2,714.08	7	2,354.84	7	1,995.60	
1/4	1/4	4,860.27	1/4	4,502.08	1/4	4,143.56	1/4	3,784.32	1/4	3,425.08	1/4	3,065.84	1/4	2,706.60	1/4	2,347.36	1/4	1,988.12	
1/2	1/2	4,852.81	1/2	4,494.62	1/2	4,136.08	1/2	3,776.84	1/2	3,417.60	1/2	3,058.36	1/2	2,699.11	1/2	2,339.87	1/2	1,980.63	
3/4	3/4	4,845.35	3/4	4,487.15	3/4	4,128.60	3/4	3,769.35	3/4	3,410.11	3/4	3,050.87	3/4	2,691.63	3/4	2,332.39	3/4	1,973.15	
8	8	4,837.89	8	4,479.69	8	4,121.11	8	3,761.87	8	3,402.63	8	3,043.39	8	2,684.15	8	2,324.90	8	1,965.66	
1/4	1/4	4,830.42	1/4	4,472.23	1/4	4,113.63	1/4	3,754.39	1/4	3,395.14	1/4	3,035.90	1/4	2,676.66	1/4	2,317.42	1/4	1,958.18	
1/2	1/2	4,822.96	1/2	4,464.77	1/2	4,106.14	1/2	3,746.90	1/2	3,387.66	1/2	3,028.42	1/2	2,669.18	1/2	2,309.94	1/2	1,950.70	
3/4	3/4	4,815.50	3/4	4,457.30	3/4	4,098.66	3/4	3,739.42	3/4	3,380.18	3/4	3,020.93	3/4	2,661.69	3/4	2,302.45	3/4	1,943.21	
9	9	4,808.04	9	4,449.84	9	4,091.18	9	3,731.93	9	3,372.69	9	3,013.45	9	2,654.21	9	2,294.97	9	1,935.73	
1/4	1/4	4,800.57	1/4	4,442.38	1/4	4,083.69	1/4	3,724.45	1/4	3,365.21	1/4	3,005.97	1/4	2,646.72	1/4	2,287.49	1/4	1,928.24	
1/2	1/2	4,793.11	1/2	4,434.92	1/2	4,076.21	1/2	3,716.97	1/2	3,357.72	1/2	2,998.48	1/2	2,639.24	1/2	2,280.00	1/2	1,920.76	
3/4	3/4	4,785.65	3/4	4,427.45	3/4	4,068.72	3/4	3,709.48	3/4	3,350.24	3/4	2,991.00	3/4	2,631.76	3/4	2,272.52	3/4	1,913.27	
10	10	4,778.19	10	4,419.99	10	4,061.24	10	3,702.00	10	3,342.76	10	2,983.51	10	2,624.27	10	2,265.04	10	1,905.79	
1/4	1/4	4,770.72	1/4	4,412.53	1/4	4,053.75	1/4	3,694.51	1/4	3,335.27	1/4	2,976.03	1/4	2,616.79	1/4	2,257.55	1/4	1,898.31	
1/2	1/2	4,763.26	1/2	4,405.07	1/2	4,046.27	1/2	3,687.03	1/2	3,327.79	1/2	2,968.55	1/2	2,609.30	1/2	2,250.07	1/2	1,890.82	
3/4	3/4	4,755.80	3/4	4,397.60	3/4	4,038.79	3/4	3,679.54	3/4	3,320.30	3/4	2,961.06	3/4	2,601.82	3/4	2,242.58	3/4	1,883.34	
11	11	4,748.34	11	4,390.14	11	4,031.30	11	3,672.06	11	3,312.82	11	2,953.58	11	2,594.34	11	2,235.10	11	1,875.85	
1/4	1/4	4,740.87	1/4	4,382.68	1/4	4,023.82	1/4	3,664.58	1/4	3,305.33	1/4	2,946.09	1/4	2,586.85	1/4	2,227.61	1/4	1,868.37	
1/2	1/2	4,733.41	1/2	4,375.22	1/2	4,016.33	1/2	3,657.09	1/2	3,297.85	1/2	2,938.61	1/2	2,579.37	1/2	2,220.13	1/2	1,860.88	
3/4	3/4	4,725.95	3/4	4,367.75	3/4	4,008.85	3/4	3,649.61	3/4	3,290.37	3/4	2,931.12	3/4	2,571.88	3/4	2,212.65	3/4	1,853.40	

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 AT GAUGE POINT
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN AT 8" DIAMETER HATCH OR 2" DIAMETER "HERMETIC" VALVE
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 38'-00" FORWARD OF AFT BULKHEAD
 GAUGE POINT: (8" HATCH) LOCATED 12'-06" OFF CENTERLINE AND 36'-06" FORWARD OF AFT BULKHEAD

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





BARGE "MMLP 333"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 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	1,845.92	0	1,490.46	0	1,131.22	0	786.49	0	435.52	0	80.97	0		0		0		0	
1/4	1,838.43	1/4	1,482.98	1/4	1,123.74	1/4	779.35	1/4	428.09	1/4	74.22	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,830.95	1/2	1,475.50	1/2	1,116.25	1/2	772.20	1/2	420.66	1/2	67.47	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,823.52	3/4	1,468.01	3/4	1,108.77	3/4	765.04	3/4	413.23	3/4	60.87	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,816.10	1	1,460.53	1	1,101.28	1	757.89	1	405.81	1	54.28	1	1	1	1	1	1	1	1
1/4	1,808.67	1/4	1,453.04	1/4	1,093.80	1/4	750.74	1/4	398.38	1/4	47.68	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,801.25	1/2	1,445.56	1/2	1,086.32	1/2	743.58	1/2	390.95	1/2	41.08	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,793.90	3/4	1,438.07	3/4	1,079.09	3/4	736.18	3/4	383.48	3/4	35.94	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,786.55	2	1,430.59	2	1,071.87	2	728.78	2	376.01	2	30.79	2	2	2	2	2	2	2	2
1/4	1,779.21	1/4	1,423.11	1/4	1,064.65	1/4	721.38	1/4	368.54	1/4	25.65	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,771.86	1/2	1,415.62	1/2	1,057.42	1/2	713.98	1/2	361.07	1/2	20.50	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,764.54	3/4	1,408.14	3/4	1,050.29	3/4	706.49	3/4	353.59	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,757.21	3	1,400.65	3	1,043.15	3	699.01	3	346.10	3		3	3	3	3	3	3	3	3
1/4	1,749.88	1/4	1,393.17	1/4	1,036.02	1/4	691.52	1/4	338.62	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,742.56	1/2	1,385.68	1/2	1,028.88	1/2	684.04	1/2	331.13	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,735.23	3/4	1,378.20	3/4	1,021.75	3/4	676.56	3/4	323.65	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,727.91	4	1,370.72	4	1,014.62	4	669.07	4	316.16	4	4	4	4	4	4	4	4	4	4
1/4	1,720.58	1/4	1,363.23	1/4	1,007.49	1/4	661.59	1/4	308.68	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,713.25	1/2	1,355.75	1/2	1,000.36	1/2	654.10	1/2	301.19	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,705.93	3/4	1,348.26	3/4	993.24	3/4	646.62	3/4	293.71	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,698.60	5	1,340.78	5	986.11	5	639.14	5	286.22	5	5	5	5	5	5	5	5	5	5
1/4	1,691.27	1/4	1,333.30	1/4	978.98	1/4	631.65	1/4	278.74	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,683.95	1/2	1,325.81	1/2	971.85	1/2	624.17	1/2	271.25	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,676.62	3/4	1,318.33	3/4	964.73	3/4	616.68	3/4	263.77	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,669.29	6	1,310.84	6	957.60	6	609.20	6	256.28	6	6	6	6	6	6	6	6	6	6
1/4	1,661.97	1/4	1,303.36	1/4	950.47	1/4	601.72	1/4	248.80	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,654.64	1/2	1,295.87	1/2	943.34	1/2	594.23	1/2	241.31	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,647.26	3/4	1,288.39	3/4	936.21	3/4	586.75	3/4	233.83	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,639.87	7	1,280.91	7	929.09	7	579.26	7	226.34	7	7	7	7	7	7	7	7	7	7
1/4	1,632.49	1/4	1,273.42	1/4	921.96	1/4	571.78	1/4	218.86	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,625.10	1/2	1,265.94	1/2	914.83	1/2	564.30	1/2	211.37	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,617.64	3/4	1,258.45	3/4	907.70	3/4	556.81	3/4	203.93	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,610.17	8	1,250.97	8	900.58	8	549.33	8	196.49	8	8	8	8	8	8	8	8	8	8
1/4	1,602.71	1/4	1,243.48	1/4	893.45	1/4	541.84	1/4	189.05	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,595.24	1/2	1,236.00	1/2	886.32	1/2	534.36	1/2	181.61	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,587.76	3/4	1,228.52	3/4	879.19	3/4	527.41	3/4	174.18	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,580.27	9	1,221.03	9	872.07	9	520.45	9	166.76	9	9	9	9	9	9	9	9	9	9
1/4	1,572.79	1/4	1,213.55	1/4	864.94	1/4	513.50	1/4	159.33	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,565.31	1/2	1,206.06	1/2	857.81	1/2	506.54	1/2	151.90	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,557.82	3/4	1,198.58	3/4	850.68	3/4	499.76	3/4	144.48	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,550.34	10	1,191.10	10	843.55	10	492.98	10	137.05	10	10	10	10	10	10	10	10	10	10
1/4	1,542.85	1/4	1,183.61	1/4	836.43	1/4	486.21	1/4	129.62	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,535.37	1/2	1,176.13	1/2	829.30	1/2	479.43	1/2	122.20	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,527.88	3/4	1,168.64	3/4	822.17	3/4	472.16	3/4	115.27	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,520.40	11	1,161.16	11	815.04	11	464.90	11	108.33	11	11	11	11	11	11	11	11	11	11
1/4	1,512.92	1/4	1,153.67	1/4	807.92	1/4	457.63	1/4	101.40	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,505.43	1/2	1,146.19	1/2	800.79	1/2	450.37	1/2	94.47	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,497.95	3/4	1,138.71	3/4	793.64	3/4	442.94	3/4	87.72	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/07/2018 CL
CALCULATED: 12/09/2018 CL
PRINTED: 12/09/2018 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2018

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

Uncontrolled Customer Copy



BARGE "MMLP 333"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	4,729.19	0	4,371.95	0	4,014.01	0	3,655.72	0	3,297.44	0	2,939.15	0	2,580.86	0	2,222.58		
1/4	1/4	5,060.70	4,721.75	1/4	4,364.50	1/4	4,006.55	1/4	3,648.26	1/4	3,289.97	1/4	2,931.69	1/4	2,573.40	1/4	2,215.11		
1/2	1/2	5,056.34	4,714.31	1/2	4,357.06	1/2	4,357.06	1/2	3,999.08	1/2	3,640.79	1/2	3,282.51	1/2	2,924.22	1/2	2,565.94	1/2	2,207.65
3/4	3/4	5,051.98	4,706.86	3/4	4,349.62	3/4	4,349.62	3/4	3,991.62	3/4	3,633.33	3/4	3,275.04	3/4	2,916.76	3/4	2,558.47	3/4	2,200.18
1	1	5,046.55	4,699.42	1	4,342.18	1	3,984.15	1	3,625.87	1	3,267.58	1	2,909.29	1	2,551.01	1	2,192.72		
1/4	1/4	5,041.12	4,691.98	1/4	4,334.73	1/4	3,976.69	1/4	3,618.40	1/4	3,260.12	1/4	2,901.83	1/4	2,543.54	1/4	2,185.26		
1/2	1/2	5,035.69	4,684.54	1/2	4,327.29	1/2	3,969.22	1/2	3,610.94	1/2	3,252.65	1/2	2,894.36	1/2	2,536.08	1/2	2,177.79		
3/4	3/4	5,030.26	4,677.09	3/4	4,319.85	3/4	3,961.76	3/4	3,603.47	3/4	3,245.19	3/4	2,886.90	3/4	2,528.61	3/4	2,170.33		
2	2	5,023.66	4,669.65	2	4,312.41	2	3,954.30	2	3,596.01	2	3,237.72	2	2,879.44	2	2,521.15	2	2,162.86		
1/4	1/4	5,017.05	4,662.21	1/4	4,304.96	1/4	3,946.83	1/4	3,588.54	1/4	3,230.26	1/4	2,871.97	1/4	2,513.69	1/4	2,155.40		
1/2	1/2	5,010.45	4,654.77	1/2	4,297.52	1/2	3,939.37	1/2	3,581.08	1/2	3,222.79	1/2	2,864.51	1/2	2,506.22	1/2	2,147.93		
3/4	3/4	5,003.85	4,647.32	3/4	4,290.08	3/4	3,931.90	3/4	3,573.62	3/4	3,215.33	3/4	2,857.04	3/4	2,498.76	3/4	2,140.47		
3	3	4,996.56	4,639.88	3	4,282.64	3	3,924.44	3	3,566.15	3	3,207.87	3	2,849.58	3	2,491.29	3	2,133.01		
1/4	1/4	4,989.28	4,632.44	1/4	4,275.19	1/4	3,916.97	1/4	3,558.69	1/4	3,200.40	1/4	2,842.11	1/4	2,483.83	1/4	2,125.54		
1/2	1/2	4,982.00	4,625.00	1/2	4,267.75	1/2	3,909.51	1/2	3,551.22	1/2	3,192.94	1/2	2,834.65	1/2	2,476.36	1/2	2,118.08		
3/4	3/4	4,974.71	4,617.55	3/4	4,260.31	3/4	3,902.05	3/4	3,543.76	3/4	3,185.47	3/4	2,827.19	3/4	2,468.90	3/4	2,110.61		
4	4	4,967.29	4,610.11	4	4,252.85	4	3,894.58	4	3,536.29	4	3,178.01	4	2,819.72	4	2,461.44	4	2,103.15		
1/4	1/4	4,959.86	4,602.67	1/4	4,245.39	1/4	3,887.12	1/4	3,528.83	1/4	3,170.54	1/4	2,812.26	1/4	2,453.97	1/4	2,095.68		
1/2	1/2	4,952.44	4,595.22	1/2	4,237.93	1/2	3,879.65	1/2	3,521.37	1/2	3,163.08	1/2	2,804.79	1/2	2,446.51	1/2	2,088.22		
3/4	3/4	4,945.01	4,587.78	3/4	4,230.47	3/4	3,872.19	3/4	3,513.90	3/4	3,155.62	3/4	2,797.33	3/4	2,439.04	3/4	2,080.76		
5	5	4,937.57	4,580.34	5	4,223.01	5	3,864.72	5	3,506.44	5	3,148.15	5	2,789.86	5	2,431.58	5	2,073.29		
1/4	1/4	4,930.13	4,572.90	1/4	4,215.55	1/4	3,857.26	1/4	3,498.97	1/4	3,140.69	1/4	2,782.40	1/4	2,424.11	1/4	2,065.83		
1/2	1/2	4,922.70	4,565.45	1/2	4,208.08	1/2	3,849.80	1/2	3,491.51	1/2	3,133.22	1/2	2,774.94	1/2	2,416.65	1/2	2,058.36		
3/4	3/4	4,915.26	4,558.01	3/4	4,200.62	3/4	3,842.33	3/4	3,484.04	3/4	3,125.76	3/4	2,767.47	3/4	2,409.19	3/4	2,050.90		
6	6	4,907.81	4,550.57	6	4,193.15	6	3,834.87	6	3,476.58	6	3,118.29	6	2,760.01	6	2,401.72	6	2,043.43		
1/4	1/4	4,900.37	4,543.13	1/4	4,185.69	1/4	3,827.40	1/4	3,469.12	1/4	3,110.83	1/4	2,752.54	1/4	2,394.26	1/4	2,035.97		
1/2	1/2	4,892.93	4,535.68	1/2	4,178.22	1/2	3,819.94	1/2	3,461.65	1/2	3,103.37	1/2	2,745.08	1/2	2,386.79	1/2	2,028.51		
3/4	3/4	4,885.49	4,528.24	3/4	4,170.76	3/4	3,812.47	3/4	3,454.19	3/4	3,095.90	3/4	2,737.61	3/4	2,379.33	3/4	2,021.04		
7	7	4,878.04	4,520.80	7	4,163.30	7	3,805.01	7	3,446.72	7	3,088.44	7	2,730.15	7	2,371.86	7	2,013.58		
1/4	1/4	4,870.60	4,513.36	1/4	4,155.83	1/4	3,797.55	1/4	3,439.26	1/4	3,080.97	1/4	2,722.69	1/4	2,364.40	1/4	2,006.11		
1/2	1/2	4,863.16	4,505.91	1/2	4,148.37	1/2	3,790.08	1/2	3,431.79	1/2	3,073.51	1/2	2,715.22	1/2	2,356.94	1/2	1,998.65		
3/4	3/4	4,855.72	4,498.47	3/4	4,140.90	3/4	3,782.62	3/4	3,424.33	3/4	3,066.04	3/4	2,707.76	3/4	2,349.47	3/4	1,991.18		
8	8	4,848.27	4,491.03	8	4,133.44	8	3,775.15	8	3,416.87	8	3,058.58	8	2,700.29	8	2,342.01	8	1,983.72		
1/4	1/4	4,840.83	4,483.59	1/4	4,125.97	1/4	3,767.69	1/4	3,409.40	1/4	3,051.12	1/4	2,692.83	1/4	2,334.54	1/4	1,976.26		
1/2	1/2	4,833.39	4,476.14	1/2	4,118.51	1/2	3,760.22	1/2	3,401.94	1/2	3,043.65	1/2	2,685.36	1/2	2,327.08	1/2	1,968.79		
3/4	3/4	4,825.95	4,468.70	3/4	4,111.05	3/4	3,752.76	3/4	3,394.47	3/4	3,036.19	3/4	2,677.90	3/4	2,319.61	3/4	1,961.33		
9	9	4,818.50	4,461.26	9	4,103.58	9	3,745.29	9	3,387.01	9	3,028.72	9	2,670.44	9	2,312.15	9	1,953.86		
1/4	1/4	4,811.06	4,453.82	1/4	4,096.12	1/4	3,737.83	1/4	3,379.54	1/4	3,021.26	1/4	2,662.97	1/4	2,304.69	1/4	1,946.40		
1/2	1/2	4,803.62	4,446.37	1/2	4,088.65	1/2	3,730.37	1/2	3,372.08	1/2	3,013.79	1/2	2,655.51	1/2	2,297.22	1/2	1,938.93		
3/4	3/4	4,796.17	4,438.93	3/4	4,081.19	3/4	3,722.90	3/4	3,364.62	3/4	3,006.33	3/4	2,648.04	3/4	2,289.76	3/4	1,931.47		
10	10	4,788.73	4,431.49	10	4,073.72	10	3,715.44	10	3,357.15	10	2,998.86	10	2,640.58	10	2,282.29	10	1,924.01		
1/4	1/4	4,781.29	4,424.04	1/4	4,066.26	1/4	3,707.97	1/4	3,349.69	1/4	2,991.40	1/4	2,633.11	1/4	2,274.83	1/4	1,916.54		
1/2	1/2	4,773.85	4,416.60	1/2	4,058.80	1/2	3,700.51	1/2	3,342.22	1/2	2,983.94	1/2	2,625.65	1/2	2,267.36	1/2	1,909.08		
3/4	3/4	4,766.40	4,409.16	3/4	4,051.33	3/4	3,693.04	3/4	3,334.76	3/4	2,976.47	3/4	2,618.19	3/4	2,259.90	3/4	1,901.61		
11	11	4,758.96	4,401.72	11	4,043.87	11	3,685.58	11	3,327.29	11	2,969.01	11	2,610.72	11	2,252.43	11	1,894.15		
1/4	1/4	4,751.52	4,394.27	1/4	4,036.40	1/4	3,678.12	1/4	3,319.83	1/4	2,961.54	1/4	2,603.26	1/4	2,244.97	1/4	1,886.68		
1/2	1/2	4,744.08	4,386.83	1/2	4,028.94	1/2	3,670.65	1/2	3,312.37	1/2	2,954.08	1/2	2,595.79	1/2	2,237.51	1/2	1,879.22		
3/4	3/4	4,736.63	4,379.39	3/4	4,021.47	3/4	3,663.19	3/4	3,304.90	3/4	2,946.61	3/4	2,588.33	3/4	2,230.04	3/4	1,871.76		

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 AT GAUGE POINT
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN AT 8" DIAMETER HATCH OR 2" DIAMETER "HERMETIC" VALVE
GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 38'-00" FORWARD OF AFT BULKHEAD
GAUGE POINT: (8" HATCH) LOCATED 12'-06" OFF CENTERLINE AND 36'-06" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT & ANALYSIS, INC.

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





BARGE "MMLP 333"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,864.29	0	1,509.77	0	1,151.49	0	794.19	0	441.78	0	87.49	0		0		0		0	
1/4	1,856.83	1/4	1,502.31	1/4	1,144.03	1/4	786.73	1/4	434.37	1/4	80.76	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,849.36	1/2	1,494.85	1/2	1,136.56	1/2	779.27	1/2	426.96	1/2	74.02	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,841.90	3/4	1,487.38	3/4	1,129.10	3/4	771.82	3/4	419.56	3/4	67.29	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,834.49	1	1,479.92	1	1,121.64	1	764.35	1	412.15	1	60.71	1	1	1	1	1	1	1	1
1/4	1,827.09	1/4	1,472.45	1/4	1,114.17	1/4	756.89	1/4	404.74	1/4	54.13	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,819.68	1/2	1,464.99	1/2	1,106.71	1/2	749.42	1/2	397.33	1/2	47.55	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,812.28	3/4	1,457.52	3/4	1,099.24	3/4	741.96	3/4	389.93	3/4	40.97	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,804.95	2	1,450.06	2	1,091.79	2	734.50	2	382.48	2	35.84	2	2	2	2	2	2	2	2
1/4	1,797.62	1/4	1,442.60	1/4	1,084.34	1/4	727.03	1/4	375.03	1/4	30.71	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,790.30	1/2	1,435.13	1/2	1,076.89	1/2	719.57	1/2	367.58	1/2	25.58	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,782.97	3/4	1,427.67	3/4	1,069.44	3/4	712.10	3/4	360.12	3/4	20.45	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,775.66	3	1,420.20	3	1,062.00	3	704.64	3	352.66	3		3	3	3	3	3	3	3	3
1/4	1,768.36	1/4	1,412.74	1/4	1,054.55	1/4	697.18	1/4	345.20	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,761.05	1/2	1,405.28	1/2	1,047.10	1/2	689.71	1/2	337.73	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,753.74	3/4	1,397.81	3/4	1,039.66	3/4	682.25	3/4	330.27	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,746.43	4	1,390.35	4	1,032.22	4	674.78	4	322.80	4	4	4	4	4	4	4	4	4	4
1/4	1,739.13	1/4	1,382.88	1/4	1,024.78	1/4	667.32	1/4	315.34	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,731.82	1/2	1,375.42	1/2	1,017.34	1/2	659.86	1/2	307.87	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,724.51	3/4	1,367.95	3/4	1,009.90	3/4	652.39	3/4	300.41	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,717.21	5	1,360.49	5	1,002.46	5	644.93	5	292.94	5	5	5	5	5	5	5	5	5	5
1/4	1,709.90	1/4	1,353.03	1/4	995.03	1/4	637.46	1/4	285.48	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,702.59	1/2	1,345.56	1/2	987.59	1/2	630.00	1/2	278.01	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,695.28	3/4	1,338.10	3/4	980.15	3/4	622.54	3/4	270.55	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,687.98	6	1,330.63	6	972.71	6	615.07	6	263.08	6	6	6	6	6	6	6	6	6	6
1/4	1,680.67	1/4	1,323.17	1/4	965.28	1/4	607.61	1/4	255.62	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,673.36	1/2	1,315.71	1/2	957.84	1/2	600.14	1/2	248.15	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,666.05	3/4	1,308.24	3/4	950.40	3/4	592.68	3/4	240.69	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,658.69	7	1,300.78	7	942.96	7	585.22	7	233.22	7	7	7	7	7	7	7	7	7	7
1/4	1,651.32	1/4	1,293.31	1/4	935.52	1/4	577.75	1/4	225.76	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,643.96	1/2	1,285.85	1/2	928.09	1/2	570.29	1/2	218.29	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,636.59	3/4	1,278.38	3/4	920.65	3/4	562.82	3/4	210.83	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,629.15	8	1,270.92	8	913.21	8	555.36	8	203.41	8	8	8	8	8	8	8	8	8	8
1/4	1,621.70	1/4	1,263.46	1/4	905.77	1/4	547.90	1/4	195.98	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,614.25	1/2	1,255.99	1/2	898.34	1/2	540.43	1/2	188.56	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,606.81	3/4	1,248.53	3/4	890.90	3/4	532.97	3/4	181.14	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,599.34	9	1,241.06	9	883.46	9	526.03	9	173.73	9	9	9	9	9	9	9	9	9	9
1/4	1,591.88	1/4	1,233.60	1/4	876.02	1/4	519.09	1/4	166.33	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,584.42	1/2	1,226.13	1/2	868.59	1/2	512.15	1/2	158.92	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,576.95	3/4	1,218.67	3/4	861.15	3/4	505.22	3/4	151.51	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,569.49	10	1,211.21	10	853.71	10	498.46	10	144.10	10	10	10	10	10	10	10	10	10	10
1/4	1,562.02	1/4	1,203.74	1/4	846.27	1/4	491.69	1/4	136.70	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,554.56	1/2	1,196.28	1/2	838.83	1/2	484.93	1/2	129.29	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,547.10	3/4	1,188.81	3/4	831.40	3/4	478.17	3/4	121.89	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,539.63	11	1,181.35	11	823.96	11	470.92	11	114.97	11	11	11	11	11	11	11	11	11	11
1/4	1,532.17	1/4	1,173.89	1/4	816.52	1/4	463.68	1/4	108.05	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,524.70	1/2	1,166.42	1/2	809.08	1/2	456.43	1/2	101.14	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,517.24	3/4	1,158.96	3/4	801.65	3/4	449.19	3/4	94.22	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/07/2018 CL
CALCULATED: 12/09/2018 CL
PRINTED: 12/09/2018 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2018

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

Uncontrolled Customer Copy



BARGE "MMLP 333"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-01 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	4,090.76	0	3,966.55	0	3,832.05	0	3,696.54	0	3,560.72	0	3,225.77	0	2,870.69	0	2,515.43	0	2,160.15	
1/4	1/4	4,090.02	1/4	3,963.75	1/4	3,829.25	1/4	3,693.71	1/4	3,557.89	1/4	3,218.37	1/4	2,863.29	1/4	2,508.02	1/4	2,152.81	
1/2	1/2	4,089.28	1/2	3,960.94	1/2	3,826.45	1/2	3,690.88	1/2	3,555.06	1/2	3,210.98	1/2	2,855.89	1/2	2,500.60	1/2	2,145.47	
3/4	3/4	4,088.54	3/4	3,958.14	3/4	3,823.65	3/4	3,688.05	3/4	3,552.23	3/4	3,203.58	3/4	2,848.49	3/4	2,493.19	3/4	2,138.14	
1	1	4,086.58	1	3,955.34	1	3,820.84	1	3,685.22	1	3,546.03	1	3,196.18	1	2,841.10	1	2,485.78	1	2,130.80	
1/4	1/4	4,084.63	1/4	3,952.54	1/4	3,818.04	1/4	3,682.39	1/4	3,539.83	1/4	3,188.78	1/4	2,833.70	1/4	2,478.37	1/4	2,123.46	
1/2	1/2	4,082.68	1/2	3,949.74	1/2	3,815.24	1/2	3,679.56	1/2	3,533.64	1/2	3,181.39	1/2	2,826.30	1/2	2,470.96	1/2	2,116.13	
3/4	3/4	4,080.72	3/4	3,946.93	3/4	3,812.44	3/4	3,676.73	3/4	3,527.44	3/4	3,173.99	3/4	2,818.90	3/4	2,463.55	3/4	2,108.79	
2	2	4,078.08	2	3,944.13	2	3,809.64	2	3,673.90	2	3,520.12	2	3,166.59	2	2,811.51	2	2,456.13	2	2,101.45	
1/4	1/4	4,075.44	1/4	3,941.33	1/4	3,806.83	1/4	3,671.07	1/4	3,512.80	1/4	3,159.19	1/4	2,804.11	1/4	2,448.72	1/4	2,094.12	
1/2	1/2	4,072.79	1/2	3,938.53	1/2	3,804.03	1/2	3,668.23	1/2	3,505.48	1/2	3,151.80	1/2	2,796.71	1/2	2,441.31	1/2	2,086.78	
3/4	3/4	4,070.15	3/4	3,935.73	3/4	3,801.23	3/4	3,665.40	3/4	3,498.16	3/4	3,144.40	3/4	2,789.31	3/4	2,433.90	3/4	2,079.44	
3	3	4,067.37	3	3,932.92	3	3,798.41	3	3,662.57	3	3,490.84	3	3,137.00	3	2,781.92	3	2,426.49	3	2,072.11	
1/4	1/4	4,064.58	1/4	3,930.12	1/4	3,795.59	1/4	3,659.74	1/4	3,483.52	1/4	3,129.60	1/4	2,774.52	1/4	2,419.08	1/4	2,064.77	
1/2	1/2	4,061.79	1/2	3,927.32	1/2	3,792.78	1/2	3,656.91	1/2	3,476.20	1/2	3,122.21	1/2	2,767.12	1/2	2,411.67	1/2	2,057.44	
3/4	3/4	4,059.01	3/4	3,924.52	3/4	3,789.96	3/4	3,654.08	3/4	3,468.88	3/4	3,114.81	3/4	2,759.72	3/4	2,404.27	3/4	2,050.10	
4	4	4,056.21	4	3,921.72	4	3,787.13	4	3,651.25	4	3,461.56	4	3,107.41	4	2,752.33	4	2,396.86	4	2,042.76	
1/4	1/4	4,053.41	1/4	3,918.91	1/4	3,784.30	1/4	3,648.42	1/4	3,454.24	1/4	3,100.01	1/4	2,744.93	1/4	2,389.45	1/4	2,035.43	
1/2	1/2	4,050.61	1/2	3,916.11	1/2	3,781.47	1/2	3,645.59	1/2	3,446.92	1/2	3,092.62	1/2	2,737.53	1/2	2,382.05	1/2	2,028.09	
3/4	3/4	4,047.81	3/4	3,913.31	3/4	3,778.64	3/4	3,642.76	3/4	3,439.60	3/4	3,085.22	3/4	2,730.13	3/4	2,374.64	3/4	2,020.75	
5	5	4,045.01	5	3,910.51	5	3,775.81	5	3,639.93	5	3,432.28	5	3,077.82	5	2,722.74	5	2,367.24	5	2,013.42	
1/4	1/4	4,042.20	1/4	3,907.71	1/4	3,772.98	1/4	3,637.10	1/4	3,424.96	1/4	3,070.42	1/4	2,715.34	1/4	2,359.83	1/4	2,006.08	
1/2	1/2	4,039.40	1/2	3,904.90	1/2	3,770.15	1/2	3,634.27	1/2	3,417.64	1/2	3,063.03	1/2	2,707.94	1/2	2,352.42	1/2	1,998.74	
3/4	3/4	4,036.60	3/4	3,902.10	3/4	3,767.32	3/4	3,631.45	3/4	3,410.32	3/4	3,055.63	3/4	2,700.54	3/4	2,345.02	3/4	1,991.41	
6	6	4,033.80	6	3,899.30	6	3,764.48	6	3,628.62	6	3,403.00	6	3,048.23	6	2,693.15	6	2,337.61	6	1,984.07	
1/4	1/4	4,030.99	1/4	3,896.50	1/4	3,761.65	1/4	3,625.79	1/4	3,395.68	1/4	3,040.83	1/4	2,685.75	1/4	2,330.21	1/4	1,976.73	
1/2	1/2	4,028.19	1/2	3,893.70	1/2	3,758.82	1/2	3,622.96	1/2	3,388.36	1/2	3,033.43	1/2	2,678.35	1/2	2,322.80	1/2	1,969.40	
3/4	3/4	4,025.39	3/4	3,890.89	3/4	3,755.99	3/4	3,620.13	3/4	3,381.04	3/4	3,026.04	3/4	2,670.95	3/4	2,315.39	3/4	1,962.06	
7	7	4,022.59	7	3,888.09	7	3,753.16	7	3,617.30	7	3,373.66	7	3,018.64	7	2,663.55	7	2,307.99	7	1,954.72	
1/4	1/4	4,019.79	1/4	3,885.29	1/4	3,750.33	1/4	3,614.47	1/4	3,366.29	1/4	3,011.24	1/4	2,656.16	1/4	2,300.58	1/4	1,947.39	
1/2	1/2	4,016.98	1/2	3,882.49	1/2	3,747.50	1/2	3,611.64	1/2	3,358.91	1/2	3,003.84	1/2	2,648.76	1/2	2,293.18	1/2	1,940.05	
3/4	3/4	4,014.18	3/4	3,879.69	3/4	3,744.67	3/4	3,608.81	3/4	3,351.53	3/4	2,996.45	3/4	2,641.36	3/4	2,285.77	3/4	1,932.71	
8	8	4,011.38	8	3,876.88	8	3,741.84	8	3,605.98	8	3,344.13	8	2,989.05	8	2,633.96	8	2,278.36	8	1,925.38	
1/4	1/4	4,008.58	1/4	3,874.08	1/4	3,739.01	1/4	3,603.15	1/4	3,336.74	1/4	2,981.65	1/4	2,626.57	1/4	2,270.96	1/4	1,918.04	
1/2	1/2	4,005.78	1/2	3,871.28	1/2	3,736.18	1/2	3,600.32	1/2	3,329.34	1/2	2,974.25	1/2	2,619.17	1/2	2,263.55	1/2	1,910.71	
3/4	3/4	4,002.97	3/4	3,868.48	3/4	3,733.34	3/4	3,597.50	3/4	3,321.94	3/4	2,966.86	3/4	2,611.77	3/4	2,256.15	3/4	1,903.37	
9	9	4,000.17	9	3,865.68	9	3,730.51	9	3,594.67	9	3,314.54	9	2,959.46	9	2,604.36	9	2,248.74	9	1,896.03	
1/4	1/4	3,997.37	1/4	3,862.87	1/4	3,727.68	1/4	3,591.84	1/4	3,307.15	1/4	2,952.06	1/4	2,596.95	1/4	2,241.33	1/4	1,888.70	
1/2	1/2	3,994.57	1/2	3,860.07	1/2	3,724.85	1/2	3,589.01	1/2	3,299.75	1/2	2,944.66	1/2	2,589.54	1/2	2,233.93	1/2	1,881.36	
3/4	3/4	3,991.77	3/4	3,857.27	3/4	3,722.02	3/4	3,586.18	3/4	3,292.35	3/4	2,937.27	3/4	2,582.14	3/4	2,226.52	3/4	1,874.02	
10	10	3,988.96	10	3,854.47	10	3,719.19	10	3,583.35	10	3,284.95	10	2,929.87	10	2,574.72	10	2,219.12	10	1,866.69	
1/4	1/4	3,986.16	1/4	3,851.67	1/4	3,716.36	1/4	3,580.52	1/4	3,277.56	1/4	2,922.47	1/4	2,567.31	1/4	2,211.71	1/4	1,859.35	
1/2	1/2	3,983.36	1/2	3,848.86	1/2	3,713.53	1/2	3,577.69	1/2	3,270.16	1/2	2,915.07	1/2	2,559.90	1/2	2,204.30	1/2	1,852.01	
3/4	3/4	3,980.56	3/4	3,846.06	3/4	3,710.70	3/4	3,574.86	3/4	3,262.76	3/4	2,907.68	3/4	2,552.49	3/4	2,196.90	3/4	1,844.68	
11	11	3,977.76	11	3,843.26	11	3,707.87	11	3,572.03	11	3,255.36	11	2,900.28	11	2,545.08	11	2,189.54	11	1,837.29	
1/4	4,092.14	1/4	3,974.95	1/4	3,840.46	1/4	3,705.04	1/4	3,569.20	1/4	3,247.97	1/4	2,892.88	1/4	2,537.66	1/4	2,182.19	1/4	1,829.90
1/2	4,091.82	1/2	3,972.15	1/2	3,837.66	1/2	3,702.20	1/2	3,566.37	1/2	3,240.57	1/2	2,885.48	1/2	2,530.25	1/2	2,174.84	1/2	1,822.50
3/4	4,091.50	3/4	3,969.35	3/4	3,834.85	3/4	3,699.37	3/4	3,563.54	3/4	3,233.17	3/4	2,878.09	3/4	2,522.84	3/4	2,167.48	3/4	1,815.11

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN AT 8" DIAMETER HATCH OR 2" DIAMETER "HERMETIC" VALVE
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 63'-09" FORWARD OF AFT BULKHEAD
 GAUGE POINT: (8" HATCH) LOCATED 12'-06" OFF CENTERLINE AND 65'-09" FORWARD OF AFT BULKHEAD

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

Uncontrolled Customer Copy



BARGE "MMLP 333"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-01 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,807.76	0	1,455.94	0	1,100.24	0	757.91	0	409.56	0	60.41	0		0		0		0	
1/4	1,800.41	1/4	1,448.53	1/4	1,092.83	1/4	750.79	1/4	402.23	1/4	53.86	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,793.07	1/2	1,441.12	1/2	1,085.42	1/2	743.66	1/2	394.89	1/2	47.32	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,785.72	3/4	1,433.71	3/4	1,078.01	3/4	736.53	3/4	387.56	3/4	40.77	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,778.44	1	1,426.30	1	1,070.82	1	729.18	1	380.18	1	35.67	1	1	1	1	1	1	1	1
1/4	1,771.17	1/4	1,418.89	1/4	1,063.64	1/4	721.84	1/4	372.80	1/4	30.56	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,763.90	1/2	1,411.48	1/2	1,056.45	1/2	714.50	1/2	365.42	1/2	25.45	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,756.63	3/4	1,404.07	3/4	1,049.27	3/4	707.15	3/4	358.05	3/4	20.35	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,749.38	2	1,396.66	2	1,042.16	2	699.74	2	350.64	2		2	2	2	2	2	2	2	2
1/4	1,742.13	1/4	1,389.25	1/4	1,035.04	1/4	692.32	1/4	343.24	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,734.88	1/2	1,381.84	1/2	1,027.93	1/2	684.91	1/2	335.84	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,727.62	3/4	1,374.43	3/4	1,020.82	3/4	677.49	3/4	328.44	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,720.37	3	1,367.02	3	1,013.72	3	670.08	3	321.03	3	3	3	3	3	3	3	3	3	3
1/4	1,713.12	1/4	1,359.61	1/4	1,006.61	1/4	662.66	1/4	313.61	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,705.87	1/2	1,352.20	1/2	999.51	1/2	655.25	1/2	306.20	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,698.62	3/4	1,344.79	3/4	992.41	3/4	647.83	3/4	298.79	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,691.37	4	1,337.38	4	985.30	4	640.42	4	291.37	4	4	4	4	4	4	4	4	4	4
1/4	1,684.12	1/4	1,329.97	1/4	978.20	1/4	633.00	1/4	283.96	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,676.86	1/2	1,322.55	1/2	971.10	1/2	625.59	1/2	276.54	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,669.61	3/4	1,315.14	3/4	964.00	3/4	618.17	3/4	269.12	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,662.36	5	1,307.73	5	956.89	5	610.76	5	261.70	5	5	5	5	5	5	5	5	5	5
1/4	1,655.11	1/4	1,300.32	1/4	949.79	1/4	603.34	1/4	254.28	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,647.86	1/2	1,292.91	1/2	942.69	1/2	595.93	1/2	246.86	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,640.61	3/4	1,285.50	3/4	935.58	3/4	588.51	3/4	239.44	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,633.30	6	1,278.09	6	928.48	6	581.10	6	232.02	6	6	6	6	6	6	6	6	6	6
1/4	1,625.98	1/4	1,270.68	1/4	921.38	1/4	573.68	1/4	224.59	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,618.67	1/2	1,263.27	1/2	914.28	1/2	566.27	1/2	217.16	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,611.36	3/4	1,255.86	3/4	907.17	3/4	558.86	3/4	209.74	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,603.98	7	1,248.45	7	900.07	7	551.44	7	202.35	7	7	7	7	7	7	7	7	7	7
1/4	1,596.61	1/4	1,241.04	1/4	892.97	1/4	544.03	1/4	194.97	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,589.23	1/2	1,233.63	1/2	885.87	1/2	536.62	1/2	187.59	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,581.85	3/4	1,226.22	3/4	878.76	3/4	529.20	3/4	180.20	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,574.45	8	1,218.81	8	871.66	8	522.33	8	172.83	8	8	8	8	8	8	8	8	8	8
1/4	1,567.06	1/4	1,211.40	1/4	864.56	1/4	515.45	1/4	165.46	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,559.66	1/2	1,203.99	1/2	857.46	1/2	508.57	1/2	158.09	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,552.27	3/4	1,196.58	3/4	850.35	3/4	501.69	3/4	150.72	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,544.86	9	1,189.17	9	843.25	9	495.00	9	143.35	9	9	9	9	9	9	9	9	9	9
1/4	1,537.45	1/4	1,181.76	1/4	836.15	1/4	488.31	1/4	135.98	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,530.04	1/2	1,174.34	1/2	829.05	1/2	481.62	1/2	128.62	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,522.64	3/4	1,166.93	3/4	821.94	3/4	474.93	3/4	121.25	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,515.23	10	1,159.52	10	814.84	10	467.75	10	114.37	10	10	10	10	10	10	10	10	10	10
1/4	1,507.82	1/4	1,152.11	1/4	807.74	1/4	460.58	1/4	107.49	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,500.41	1/2	1,144.70	1/2	800.64	1/2	453.41	1/2	100.61	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,493.00	3/4	1,137.29	3/4	793.53	3/4	446.23	3/4	93.74	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,485.59	11	1,129.88	11	786.41	11	438.90	11	87.04	11	11	11	11	11	11	11	11	11	11
1/4	1,478.18	1/4	1,122.47	1/4	779.29	1/4	431.56	1/4	80.35	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,470.76	1/2	1,115.06	1/2	772.17	1/2	424.23	1/2	73.65	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,463.35	3/4	1,107.65	3/4	765.04	3/4	416.90	3/4	66.95	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/07/2018 CL
CALCULATED: 12/09/2018 CL
PRINTED: 12/09/2018 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2018

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

Uncontrolled Customer Copy



BARGE "MMLP 333"

3 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/2"

Table with columns for IN, 0 FT., 1 FT., 2 FT., 3 FT., 4 FT., 5 FT., 6 FT., 7 FT., 8 FT., 9 FT. and rows for gauge heights from 0 to 11 feet.

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 AT GAUGE POINT
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN AT 8" DIAMETER HATCH OR 2" DIAMETER "HERMETIC" VALVE
GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 63'-09" FORWARD OF AFT BULKHEAD
GAUGE POINT: (8" HATCH) LOCATED 12'-06" OFF CENTERLINE AND 65'-09" FORWARD OF AFT BULKHEAD

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



Uncontrolled Customer Copy



BARGE "MMLP 333"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 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	1,848.11	0	1,495.37	0	1,138.67	0	782.97	0	432.49	0	80.52	0		0		0		0	
1/4	1,840.68	1/4	1,487.94	1/4	1,131.24	1/4	775.54	1/4	425.14	1/4	73.81	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,833.25	1/2	1,480.51	1/2	1,123.81	1/2	768.12	1/2	417.79	1/2	67.10	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,825.88	3/4	1,473.08	3/4	1,116.38	3/4	760.69	3/4	410.44	3/4	60.54	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,818.51	1	1,465.65	1	1,108.95	1	753.26	1	403.09	1	53.98	1	1	1	1	1	1	1	1
1/4	1,811.14	1/4	1,458.22	1/4	1,101.52	1/4	745.83	1/4	395.74	1/4	47.42	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,803.77	1/2	1,450.78	1/2	1,094.09	1/2	738.40	1/2	388.39	1/2	40.86	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,796.48	3/4	1,443.35	3/4	1,086.67	3/4	730.97	3/4	381.00	3/4	35.74	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,789.19	2	1,435.92	2	1,079.25	2	723.53	2	373.60	2	30.63	2	2	2	2	2	2	2	2
1/4	1,781.89	1/4	1,428.49	1/4	1,071.84	1/4	716.10	1/4	366.21	1/4	25.51	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,774.60	1/2	1,421.06	1/2	1,064.42	1/2	708.67	1/2	358.81	1/2	20.39	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,767.33	3/4	1,413.63	3/4	1,057.01	3/4	701.24	3/4	351.40	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,760.06	3	1,406.20	3	1,049.59	3	693.81	3	343.98	3		3	3	3	3	3	3	3	3
1/4	1,752.79	1/4	1,398.77	1/4	1,042.18	1/4	686.38	1/4	336.56	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,745.52	1/2	1,391.33	1/2	1,034.77	1/2	678.95	1/2	329.14	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,738.24	3/4	1,383.90	3/4	1,027.36	3/4	671.52	3/4	321.72	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,730.97	4	1,376.47	4	1,019.96	4	664.09	4	314.29	4	4	4	4	4	4	4	4	4	4
1/4	1,723.70	1/4	1,369.04	1/4	1,012.55	1/4	656.66	1/4	306.86	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,716.43	1/2	1,361.61	1/2	1,005.14	1/2	649.22	1/2	299.43	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,709.16	3/4	1,354.18	3/4	997.74	3/4	641.79	3/4	292.00	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,701.88	5	1,346.75	5	990.33	5	634.36	5	284.57	5	5	5	5	5	5	5	5	5	5
1/4	1,694.61	1/4	1,339.32	1/4	982.93	1/4	626.93	1/4	277.13	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,687.34	1/2	1,331.89	1/2	975.52	1/2	619.50	1/2	269.70	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,680.07	3/4	1,324.45	3/4	968.12	3/4	612.07	3/4	262.27	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,672.80	6	1,317.02	6	960.72	6	604.64	6	254.83	6	6	6	6	6	6	6	6	6	6
1/4	1,665.53	1/4	1,309.59	1/4	953.31	1/4	597.21	1/4	247.39	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,658.25	1/2	1,302.16	1/2	945.91	1/2	589.78	1/2	239.96	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,650.92	3/4	1,294.73	3/4	938.50	3/4	582.35	3/4	232.51	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,643.59	7	1,287.30	7	931.10	7	574.92	7	225.07	7	7	7	7	7	7	7	7	7	7
1/4	1,636.26	1/4	1,279.87	1/4	923.69	1/4	567.49	1/4	217.63	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,628.93	1/2	1,272.44	1/2	916.29	1/2	560.06	1/2	210.19	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,621.53	3/4	1,265.00	3/4	908.88	3/4	552.63	3/4	202.79	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,614.13	8	1,257.57	8	901.48	8	545.20	8	195.39	8	8	8	8	8	8	8	8	8	8
1/4	1,606.73	1/4	1,250.14	1/4	894.08	1/4	537.77	1/4	187.99	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,599.33	1/2	1,242.71	1/2	886.67	1/2	530.34	1/2	180.59	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,591.91	3/4	1,235.28	3/4	879.27	3/4	523.45	3/4	173.20	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,584.50	9	1,227.85	9	871.86	9	516.55	9	165.82	9	9	9	9	9	9	9	9	9	9
1/4	1,577.08	1/4	1,220.42	1/4	864.46	1/4	509.66	1/4	158.43	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,569.67	1/2	1,212.99	1/2	857.05	1/2	502.77	1/2	151.05	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,562.24	3/4	1,205.55	3/4	849.65	3/4	496.06	3/4	143.66	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,554.81	10	1,198.12	10	842.24	10	489.36	10	136.28	10	10	10	10	10	10	10	10	10	10
1/4	1,547.39	1/4	1,190.69	1/4	834.84	1/4	482.65	1/4	128.89	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,539.96	1/2	1,183.26	1/2	827.43	1/2	475.95	1/2	121.51	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,532.53	3/4	1,175.83	3/4	820.03	3/4	468.76	3/4	114.61	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,525.10	11	1,168.40	11	812.63	11	461.57	11	107.72	11	11	11	11	11	11	11	11	11	11
1/4	1,517.67	1/4	1,160.97	1/4	805.22	1/4	454.38	1/4	100.83	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,510.23	1/2	1,153.54	1/2	797.82	1/2	447.19	1/2	93.94	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,502.80	3/4	1,146.11	3/4	790.39	3/4	439.84	3/4	87.23	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/07/2018 CL
CALCULATED: 12/09/2018 CL
PRINTED: 12/09/2018 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2018

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

Uncontrolled Customer Copy