



# BARGE "MM 306"

## INNAGE TRIM TABLE 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	- 00-0/8	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	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
3 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
3 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
4 PORT	- 01-1/4	01-1/4	- 02-1/4	02-1/4	- 03-3/8	03-3/8	- 04-1/2	04-1/2	- 05-3/4	05-3/4	- 06-7/8	06-7/8
4 STBD	- 01-1/4	01-1/4	- 02-1/4	02-1/4	- 03-3/8	03-3/8	- 04-1/2	04-1/2	- 05-3/4	05-3/4	- 06-7/8	06-7/8

(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 4 PORT IS 02-1/4"  
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 4 PORT, THE TRIM CORRECTED INNAGE IS 4'-02 1/4"

LENGTH BETWEEN DRAFT MARKS: 237'-03"

March 26, 2015

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



BARGE "MM 306"

1 PORT
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/4"

Table with columns for height (0 to 9 FT.) and innage (0 to 2,417.81). Rows include fractional heights (1/4, 1/2, 3/4) for each integer height.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL. CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK. CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES. GAUGE POINT: (HERMETIC - 2" VALVE) LOCATED 12'-09" OFF CENTERLINE AND 29'-09" FORWARD OF AFT BULKHEAD. GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 31'-03" FORWARD OF AFT BULKHEAD.

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





# BARGE "MM 306"

# 1 PORT INNAGE 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	2,422.97	0	2,670.76	0	2,918.54	0	3,166.31	0	3,412.83	0		0		0		0		0	
1/4	2,428.14	1/4	2,675.92	1/4	2,923.70	1/4	3,171.48	1/4	3,417.91	1/4		1/4		1/4		1/4		1/4	
1/2	2,433.30	1/2	2,681.09	1/2	2,928.86	1/2	3,176.64	1/2	3,423.00	1/2		1/2		1/2		1/2		1/2	
3/4	2,438.46	3/4	2,686.25	3/4	2,934.02	3/4	3,181.80	3/4	3,428.09	3/4		3/4		3/4		3/4		3/4	
1	2,443.62	1	2,691.41	1	2,939.19	1	3,186.96	1	3,433.17	1		1		1		1		1	
1/4	2,448.79	1/4	2,696.57	1/4	2,944.35	1/4	3,192.12	1/4	3,437.77	1/4		1/4		1/4		1/4		1/4	
1/2	2,453.95	1/2	2,701.73	1/2	2,949.51	1/2	3,197.29	1/2	3,442.36	1/2		1/2		1/2		1/2		1/2	
3/4	2,459.11	3/4	2,706.90	3/4	2,954.67	3/4	3,202.45	3/4	3,446.95	3/4		3/4		3/4		3/4		3/4	
2	2,464.27	2	2,712.06	2	2,959.83	2	3,207.61	2	3,451.55	2		2		2		2		2	
1/4	2,469.44	1/4	2,717.22	1/4	2,965.00	1/4	3,212.77	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,474.60	1/2	2,722.38	1/2	2,970.16	1/2	3,217.93	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,479.76	3/4	2,727.54	3/4	2,975.32	3/4	3,223.10	3/4		3/4		3/4		3/4		3/4		3/4	
3	2,484.92	3	2,732.71	3	2,980.48	3	3,228.26	3		3		3		3		3		3	
1/4	2,490.08	1/4	2,737.87	1/4	2,985.64	1/4	3,233.42	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,495.25	1/2	2,743.03	1/2	2,990.81	1/2	3,238.58	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,500.41	3/4	2,748.19	3/4	2,995.97	3/4	3,243.74	3/4		3/4		3/4		3/4		3/4		3/4	
4	2,505.57	4	2,753.35	4	3,001.13	4	3,248.91	4		4		4		4		4		4	
1/4	2,510.73	1/4	2,758.52	1/4	3,006.29	1/4	3,254.07	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,515.90	1/2	2,763.68	1/2	3,011.45	1/2	3,259.23	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,521.06	3/4	2,768.84	3/4	3,016.62	3/4	3,264.39	3/4		3/4		3/4		3/4		3/4		3/4	
5	2,526.22	5	2,774.00	5	3,021.78	5	3,269.55	5		5		5		5		5		5	
1/4	2,531.38	1/4	2,779.16	1/4	3,026.94	1/4	3,274.72	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,536.55	1/2	2,784.33	1/2	3,032.10	1/2	3,279.88	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,541.71	3/4	2,789.49	3/4	3,037.26	3/4	3,285.04	3/4		3/4		3/4		3/4		3/4		3/4	
6	2,546.87	6	2,794.65	6	3,042.43	6	3,290.20	6		6		6		6		6		6	
1/4	2,552.03	1/4	2,799.81	1/4	3,047.59	1/4	3,295.31	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,557.19	1/2	2,804.97	1/2	3,052.75	1/2	3,300.42	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,562.36	3/4	2,810.14	3/4	3,057.91	3/4	3,305.53	3/4		3/4		3/4		3/4		3/4		3/4	
7	2,567.52	7	2,815.30	7	3,063.07	7	3,310.64	7		7		7		7		7		7	
1/4	2,572.68	1/4	2,820.46	1/4	3,068.24	1/4	3,315.76	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,577.84	1/2	2,825.62	1/2	3,073.40	1/2	3,320.87	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,583.01	3/4	2,830.78	3/4	3,078.56	3/4	3,325.98	3/4		3/4		3/4		3/4		3/4		3/4	
8	2,588.17	8	2,835.95	8	3,083.72	8	3,331.09	8		8		8		8		8		8	
1/4	2,593.33	1/4	2,841.11	1/4	3,088.88	1/4	3,336.20	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,598.49	1/2	2,846.27	1/2	3,094.05	1/2	3,341.31	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,603.66	3/4	2,851.43	3/4	3,099.21	3/4	3,346.42	3/4		3/4		3/4		3/4		3/4		3/4	
9	2,608.82	9	2,856.59	9	3,104.37	9	3,351.53	9		9		9		9		9		9	
1/4	2,613.98	1/4	2,861.76	1/4	3,109.53	1/4	3,356.64	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,619.14	1/2	2,866.92	1/2	3,114.69	1/2	3,361.75	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,624.30	3/4	2,872.08	3/4	3,119.86	3/4	3,366.86	3/4		3/4		3/4		3/4		3/4		3/4	
10	2,629.47	10	2,877.24	10	3,125.02	10	3,371.97	10		10		10		10		10		10	
1/4	2,634.63	1/4	2,882.40	1/4	3,130.18	1/4	3,377.08	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,639.79	1/2	2,887.57	1/2	3,135.34	1/2	3,382.19	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,644.95	3/4	2,892.73	3/4	3,140.50	3/4	3,387.30	3/4		3/4		3/4		3/4		3/4		3/4	
11	2,650.11	11	2,897.89	11	3,145.67	11	3,392.41	11		11		11		11		11		11	
1/4	2,655.28	1/4	2,903.05	1/4	3,150.83	1/4	3,397.52	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,660.44	1/2	2,908.21	1/2	3,155.99	1/2	3,402.62	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,665.60	3/4	2,913.38	3/4	3,161.15	3/4	3,407.72	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/26/2015 CL  
CALCULATED: 03/26/2015 CL  
PRINTED: 03/27/2015 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2015

PRECISION MEASUREMENT  
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# BARGE "MM 306"

# 1 STBD INNAGE 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	17.14	0	201.31	0	442.90	0	690.42	0	938.13	0	1,185.44	0	1,433.14	0	1,680.84	0	1,928.55	0	2,176.25
1/4	19.03	1/4	205.98	1/4	448.06	1/4	695.58	1/4	943.29	1/4	1,190.60	1/4	1,438.30	1/4	1,686.00	1/4	1,933.71	1/4	2,181.41
1/2	20.92	1/2	210.66	1/2	453.22	1/2	700.74	1/2	948.45	1/2	1,195.76	1/2	1,443.46	1/2	1,691.16	1/2	1,938.87	1/2	2,186.57
3/4	22.81	3/4	215.34	3/4	458.38	3/4	705.91	3/4	953.61	3/4	1,200.92	3/4	1,448.62	3/4	1,696.32	3/4	1,944.03	3/4	2,191.73
1	24.70	1	220.02	1	463.54	1	711.07	1	958.77	1	1,206.08	1	1,453.78	1	1,701.48	1	1,949.19	1	2,196.89
1/4	27.71	1/4	224.79	1/4	468.70	1/4	716.23	1/4	963.93	1/4	1,211.24	1/4	1,458.94	1/4	1,706.65	1/4	1,954.35	1/4	2,202.05
1/2	30.72	1/2	229.56	1/2	473.86	1/2	721.39	1/2	969.09	1/2	1,216.40	1/2	1,464.10	1/2	1,711.81	1/2	1,959.51	1/2	2,207.21
3/4	33.73	3/4	234.33	3/4	479.02	3/4	726.55	3/4	974.25	3/4	1,221.56	3/4	1,469.26	3/4	1,716.97	3/4	1,964.67	3/4	2,212.37
2	36.74	2	239.10	2	484.18	2	731.71	2	979.41	2	1,226.72	2	1,474.42	2	1,722.13	2	1,969.83	2	2,217.53
1/4	40.34	1/4	243.96	1/4	489.34	1/4	736.87	1/4	984.57	1/4	1,231.88	1/4	1,479.58	1/4	1,727.29	1/4	1,974.99	1/4	2,222.70
1/2	43.93	1/2	248.82	1/2	494.50	1/2	742.03	1/2	989.73	1/2	1,237.04	1/2	1,484.74	1/2	1,732.45	1/2	1,980.15	1/2	2,227.86
3/4	47.53	3/4	253.69	3/4	499.66	3/4	747.19	3/4	994.89	3/4	1,242.20	3/4	1,489.90	3/4	1,737.61	3/4	1,985.31	3/4	2,233.02
3	51.12	3	258.55	3	504.82	3	752.35	3	1,000.05	3	1,247.36	3	1,495.06	3	1,742.77	3	1,990.47	3	2,238.18
1/4	54.82	1/4	263.50	1/4	509.97	1/4	757.51	1/4	1,005.21	1/4	1,252.52	1/4	1,500.23	1/4	1,747.93	1/4	1,995.63	1/4	2,243.34
1/2	58.53	1/2	268.46	1/2	515.13	1/2	762.67	1/2	1,010.37	1/2	1,257.68	1/2	1,505.39	1/2	1,753.09	1/2	2,000.79	1/2	2,248.50
3/4	62.23	3/4	273.41	3/4	520.28	3/4	767.83	3/4	1,015.54	3/4	1,262.84	3/4	1,510.55	3/4	1,758.25	3/4	2,005.95	3/4	2,253.66
4	65.94	4	278.36	4	525.44	4	772.99	4	1,020.70	4	1,268.00	4	1,515.71	4	1,763.41	4	2,011.11	4	2,258.82
1/4	69.74	1/4	283.41	1/4	530.59	1/4	778.15	1/4	1,025.86	1/4	1,273.16	1/4	1,520.87	1/4	1,768.57	1/4	2,016.28	1/4	2,263.98
1/2	73.54	1/2	288.45	1/2	535.75	1/2	783.31	1/2	1,031.02	1/2	1,278.32	1/2	1,526.03	1/2	1,773.73	1/2	2,021.44	1/2	2,269.14
3/4	77.34	3/4	293.50	3/4	540.90	3/4	788.47	3/4	1,036.18	3/4	1,283.48	3/4	1,531.19	3/4	1,778.89	3/4	2,026.60	3/4	2,274.30
5	81.15	5	298.54	5	546.06	5	793.63	5	1,041.34	5	1,288.65	5	1,536.35	5	1,784.05	5	2,031.76	5	2,279.46
1/4	85.04	1/4	303.67	1/4	551.21	1/4	798.79	1/4	1,046.50	1/4	1,293.81	1/4	1,541.51	1/4	1,789.21	1/4	2,036.92	1/4	2,284.62
1/2	88.94	1/2	308.80	1/2	556.37	1/2	803.95	1/2	1,051.66	1/2	1,298.97	1/2	1,546.67	1/2	1,794.37	1/2	2,042.08	1/2	2,289.78
3/4	92.84	3/4	313.92	3/4	561.52	3/4	809.12	3/4	1,056.82	3/4	1,304.13	3/4	1,551.83	3/4	1,799.53	3/4	2,047.24	3/4	2,294.94
6	96.73	6	319.05	6	566.68	6	814.28	6	1,061.98	6	1,309.29	6	1,556.99	6	1,804.69	6	2,052.40	6	2,300.10
1/4	100.86	1/4	324.21	1/4	571.83	1/4	819.44	1/4	1,067.14	1/4	1,314.45	1/4	1,562.15	1/4	1,809.86	1/4	2,057.56	1/4	2,305.26
1/2	104.99	1/2	329.37	1/2	576.99	1/2	824.60	1/2	1,072.30	1/2	1,319.61	1/2	1,567.31	1/2	1,815.02	1/2	2,062.72	1/2	2,310.42
3/4	109.12	3/4	334.53	3/4	582.15	3/4	829.76	3/4	1,077.46	3/4	1,324.77	3/4	1,572.47	3/4	1,820.18	3/4	2,067.88	3/4	2,315.58
7	113.24	7	339.69	7	587.30	7	834.92	7	1,082.62	7	1,329.93	7	1,577.63	7	1,825.34	7	2,073.04	7	2,320.74
1/4	117.46	1/4	344.85	1/4	592.46	1/4	840.08	1/4	1,087.76	1/4	1,335.09	1/4	1,582.79	1/4	1,830.50	1/4	2,078.20	1/4	2,325.91
1/2	121.68	1/2	350.01	1/2	597.61	1/2	845.24	1/2	1,092.89	1/2	1,340.25	1/2	1,587.95	1/2	1,835.66	1/2	2,083.36	1/2	2,331.07
3/4	125.90	3/4	355.17	3/4	602.77	3/4	850.40	3/4	1,098.03	3/4	1,345.41	3/4	1,593.11	3/4	1,840.82	3/4	2,088.52	3/4	2,336.23
8	130.12	8	360.33	8	607.92	8	855.56	8	1,103.16	8	1,350.57	8	1,598.27	8	1,845.98	8	2,093.68	8	2,341.39
1/4	134.43	1/4	365.49	1/4	613.08	1/4	860.72	1/4	1,108.30	1/4	1,355.73	1/4	1,603.44	1/4	1,851.14	1/4	2,098.84	1/4	2,346.55
1/2	138.74	1/2	370.65	1/2	618.23	1/2	865.88	1/2	1,113.44	1/2	1,360.89	1/2	1,608.60	1/2	1,856.30	1/2	2,104.00	1/2	2,351.71
3/4	143.06	3/4	375.81	3/4	623.39	3/4	871.04	3/4	1,118.57	3/4	1,366.05	3/4	1,613.76	3/4	1,861.46	3/4	2,109.16	3/4	2,356.87
9	147.37	9	380.97	9	628.54	9	876.20	9	1,123.71	9	1,371.21	9	1,618.92	9	1,866.62	9	2,114.32	9	2,362.03
1/4	151.77	1/4	386.13	1/4	633.70	1/4	881.36	1/4	1,128.84	1/4	1,376.37	1/4	1,624.08	1/4	1,871.78	1/4	2,119.49	1/4	2,367.19
1/2	156.17	1/2	391.29	1/2	638.85	1/2	886.52	1/2	1,133.98	1/2	1,381.53	1/2	1,629.24	1/2	1,876.94	1/2	2,124.65	1/2	2,372.35
3/4	160.58	3/4	396.45	3/4	644.01	3/4	891.68	3/4	1,139.11	3/4	1,386.69	3/4	1,634.40	3/4	1,882.10	3/4	2,129.81	3/4	2,377.51
10	164.98	10	401.61	10	649.16	10	896.84	10	1,144.25	10	1,391.85	10	1,639.56	10	1,887.26	10	2,134.97	10	2,382.67
1/4	169.47	1/4	406.77	1/4	654.32	1/4	902.00	1/4	1,149.39	1/4	1,397.02	1/4	1,644.72	1/4	1,892.42	1/4	2,140.13	1/4	2,387.83
1/2	173.97	1/2	411.93	1/2	659.47	1/2	907.16	1/2	1,154.52	1/2	1,402.18	1/2	1,649.88	1/2	1,897.58	1/2	2,145.29	1/2	2,392.99
3/4	178.46	3/4	417.09	3/4	664.63	3/4	912.33	3/4	1,159.66	3/4	1,407.34	3/4	1,655.04	3/4	1,902.74	3/4	2,150.45	3/4	2,398.15
11	182.96	11	422.25	11	669.78	11	917.49	11	1,164.79	11	1,412.50	11	1,660.20	11	1,907.90	11	2,155.61	11	2,403.31
1/4	187.55	1/4	427.41	1/4	674.94	1/4	922.65	1/4	1,169.95	1/4	1,417.66	1/4	1,665.36	1/4	1,913.07	1/4	2,160.77	1/4	2,408.47
1/2	192.13	1/2	432.57	1/2	680.10	1/2	927.81	1/2	1,175.11	1/2	1,422.82	1/2	1,670.52	1/2	1,918.23	1/2	2,165.93	1/2	2,413.63
3/4	196.72	3/4	437.73	3/4	685.26	3/4	932.97	3/4	1,180.27	3/4	1,427.98	3/4	1,675.68	3/4	1,923.39	3/4	2,171.09	3/4	2,418.79

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES.  
 GAUGE POINT: (HERMETIC - 2" VALVE) LOCATED 12'-09" OFF CENTERLINE AND 29'-09" FORWARD OF AFT BULKHEAD.  
 GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 31'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

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# BARGE "MM 306"

## 1 STBD INNAGE 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	2,423.95	0	2,671.66	0	2,919.34	0	3,167.03	0	3,413.45	0		0		0		0		0	
1/4	2,429.12	1/4	2,676.82	1/4	2,924.50	1/4	3,172.19	1/4	3,418.53	1/4		1/4		1/4		1/4		1/4	
1/2	2,434.28	1/2	2,681.98	1/2	2,929.66	1/2	3,177.35	1/2	3,423.62	1/2		1/2		1/2		1/2		1/2	
3/4	2,439.44	3/4	2,687.14	3/4	2,934.82	3/4	3,182.51	3/4	3,428.70	3/4		3/4		3/4		3/4		3/4	
1	2,444.60	1	2,692.30	1	2,939.98	1	3,187.67	1	3,433.79	1		1		1		1		1	
1/4	2,449.76	1/4	2,697.46	1/4	2,945.14	1/4	3,192.83	1/4	3,438.88	1/4		1/4		1/4		1/4		1/4	
1/2	2,454.92	1/2	2,702.62	1/2	2,950.30	1/2	3,197.99	1/2	3,442.97	1/2		1/2		1/2		1/2		1/2	
3/4	2,460.08	3/4	2,707.78	3/4	2,955.46	3/4	3,203.15	3/4	3,447.56	3/4		3/4		3/4		3/4		3/4	
2	2,465.24	2	2,712.94	2	2,960.62	2	3,208.31	2	3,452.15	2		2		2		2		2	
1/4	2,470.40	1/4	2,718.10	1/4	2,965.78	1/4	3,213.47	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,475.56	1/2	2,723.26	1/2	2,970.94	1/2	3,218.63	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,480.72	3/4	2,728.42	3/4	2,976.10	3/4	3,223.79	3/4		3/4		3/4		3/4		3/4		3/4	
3	2,485.88	3	2,733.58	3	2,981.26	3	3,228.95	3		3		3		3		3		3	
1/4	2,491.04	1/4	2,738.74	1/4	2,986.42	1/4	3,234.11	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,496.20	1/2	2,743.90	1/2	2,991.58	1/2	3,239.27	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,501.36	3/4	2,749.06	3/4	2,996.74	3/4	3,244.43	3/4		3/4		3/4		3/4		3/4		3/4	
4	2,506.52	4	2,754.22	4	3,001.90	4	3,249.59	4		4		4		4		4		4	
1/4	2,511.68	1/4	2,759.38	1/4	3,007.06	1/4	3,254.75	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,516.84	1/2	2,764.54	1/2	3,012.22	1/2	3,259.91	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,522.00	3/4	2,769.70	3/4	3,017.38	3/4	3,265.07	3/4		3/4		3/4		3/4		3/4		3/4	
5	2,527.16	5	2,774.86	5	3,022.54	5	3,270.23	5		5		5		5		5		5	
1/4	2,532.33	1/4	2,780.02	1/4	3,027.70	1/4	3,275.39	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,537.49	1/2	2,785.18	1/2	3,032.86	1/2	3,280.55	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,542.65	3/4	2,790.34	3/4	3,038.02	3/4	3,285.71	3/4		3/4		3/4		3/4		3/4		3/4	
6	2,547.81	6	2,795.50	6	3,043.18	6	3,290.87	6		6		6		6		6		6	
1/4	2,552.97	1/4	2,800.66	1/4	3,048.34	1/4	3,295.98	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,558.13	1/2	2,805.82	1/2	3,053.50	1/2	3,301.09	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,563.29	3/4	2,810.98	3/4	3,058.66	3/4	3,306.19	3/4		3/4		3/4		3/4		3/4		3/4	
7	2,568.45	7	2,816.14	7	3,063.82	7	3,311.30	7		7		7		7		7		7	
1/4	2,573.61	1/4	2,821.30	1/4	3,068.98	1/4	3,316.41	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,578.77	1/2	2,826.46	1/2	3,074.14	1/2	3,321.52	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,583.93	3/4	2,831.62	3/4	3,079.30	3/4	3,326.63	3/4		3/4		3/4		3/4		3/4		3/4	
8	2,589.09	8	2,836.78	8	3,084.46	8	3,331.74	8		8		8		8		8		8	
1/4	2,594.25	1/4	2,841.94	1/4	3,089.62	1/4	3,336.85	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,599.41	1/2	2,847.10	1/2	3,094.78	1/2	3,341.96	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,604.57	3/4	2,852.26	3/4	3,099.94	3/4	3,347.07	3/4		3/4		3/4		3/4		3/4		3/4	
9	2,609.73	9	2,857.42	9	3,105.10	9	3,352.18	9		9		9		9		9		9	
1/4	2,614.89	1/4	2,862.58	1/4	3,110.26	1/4	3,357.28	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,620.05	1/2	2,867.74	1/2	3,115.42	1/2	3,362.39	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,625.21	3/4	2,872.90	3/4	3,120.58	3/4	3,367.50	3/4		3/4		3/4		3/4		3/4		3/4	
10	2,630.37	10	2,878.06	10	3,125.74	10	3,372.61	10		10		10		10		10		10	
1/4	2,635.54	1/4	2,883.22	1/4	3,130.90	1/4	3,377.72	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,640.70	1/2	2,888.38	1/2	3,136.06	1/2	3,382.83	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,645.86	3/4	2,893.54	3/4	3,141.22	3/4	3,387.93	3/4		3/4		3/4		3/4		3/4		3/4	
11	2,651.02	11	2,898.70	11	3,146.38	11	3,393.04	11		11		11		11		11		11	
1/4	2,656.18	1/4	2,903.86	1/4	3,151.55	1/4	3,398.14	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,661.34	1/2	2,909.02	1/2	3,156.71	1/2	3,403.24	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,666.50	3/4	2,914.18	3/4	3,161.87	3/4	3,408.35	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/26/2015 CL  
CALCULATED: 03/26/2015 CL  
PRINTED: 03/27/2015 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2015

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



# BARGE "MM 306"

## 2 PORT INNAGE 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	22.75	0	311.07	0	613.76	0	906.29	0	1,205.65	0	1,506.78	0	1,809.48	0	2,112.18	0	2,414.88	0	2,717.59

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES.  
 GAUGE POINT: (HERMETIC - 2" VALVE) LOCATED 12'-09" OFF CENTERLINE AND 36'-00" FORWARD OF AFT BULKHEAD.  
 GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 37'-06" FORWARD OF AFT BULKHEAD.

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# BARGE "MM 306"

## 2 PORT INNAGE 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	3,020.29	0	3,322.99	0	3,625.68	0	3,928.37	0	4,229.52	0		0		0		0		0	
1/4	3,026.59	1/4	3,329.29	1/4	3,631.99	1/4	3,934.68	1/4	4,235.74	1/4		1/4		1/4		1/4		1/4	
1/2	3,032.90	1/2	3,335.60	1/2	3,638.29	1/2	3,940.99	1/2	4,241.95	1/2		1/2		1/2		1/2		1/2	
3/4	3,039.21	3/4	3,341.91	3/4	3,644.60	3/4	3,947.29	3/4	4,248.16	3/4		3/4		3/4		3/4		3/4	
1	3,045.51	1	3,348.21	1	3,650.91	1	3,953.60	1	4,254.38	1		1		1		1		1	
1/4	3,051.82	1/4	3,354.52	1/4	3,657.21	1/4	3,959.90	1/4	4,259.99	1/4		1/4		1/4		1/4		1/4	
1/2	3,058.13	1/2	3,360.83	1/2	3,663.52	1/2	3,966.21	1/2	4,265.60	1/2		1/2		1/2		1/2		1/2	
3/4	3,064.43	3/4	3,367.13	3/4	3,669.82	3/4	3,972.52	3/4	4,271.21	3/4		3/4		3/4		3/4		3/4	
2	3,070.74	2	3,373.44	2	3,676.13	2	3,978.82	2	4,276.82	2		2		2		2		2	
1/4	3,077.04	1/4	3,379.74	1/4	3,682.44	1/4	3,985.13	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,083.35	1/2	3,386.05	1/2	3,688.74	1/2	3,991.44	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,089.66	3/4	3,392.36	3/4	3,695.05	3/4	3,997.74	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,095.96	3	3,398.66	3	3,701.35	3	4,004.05	3		3		3		3		3		3	
1/4	3,102.27	1/4	3,404.97	1/4	3,707.66	1/4	4,010.35	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,108.58	1/2	3,411.27	1/2	3,713.97	1/2	4,016.66	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,114.88	3/4	3,417.58	3/4	3,720.27	3/4	4,022.97	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,121.19	4	3,423.89	4	3,726.58	4	4,029.27	4		4		4		4		4		4	
1/4	3,127.49	1/4	3,430.19	1/4	3,732.89	1/4	4,035.58	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,133.80	1/2	3,436.50	1/2	3,739.19	1/2	4,041.88	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,140.11	3/4	3,442.80	3/4	3,745.50	3/4	4,048.19	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,146.41	5	3,449.11	5	3,751.80	5	4,054.50	5		5		5		5		5		5	
1/4	3,152.72	1/4	3,455.42	1/4	3,758.11	1/4	4,060.80	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,159.03	1/2	3,461.72	1/2	3,764.42	1/2	4,067.11	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,165.33	3/4	3,468.03	3/4	3,770.72	3/4	4,073.41	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,171.64	6	3,474.33	6	3,777.03	6	4,079.72	6		6		6		6		6		6	
1/4	3,177.95	1/4	3,480.64	1/4	3,783.33	1/4	4,085.96	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,184.25	1/2	3,486.95	1/2	3,789.64	1/2	4,092.21	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,190.56	3/4	3,493.25	3/4	3,795.95	3/4	4,098.45	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,196.86	7	3,499.56	7	3,802.25	7	4,104.69	7		7		7		7		7		7	
1/4	3,203.17	1/4	3,505.87	1/4	3,808.56	1/4	4,110.94	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,209.48	1/2	3,512.17	1/2	3,814.86	1/2	4,117.18	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,215.78	3/4	3,518.48	3/4	3,821.17	3/4	4,123.42	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,222.09	8	3,524.78	8	3,827.48	8	4,129.67	8		8		8		8		8		8	
1/4	3,228.40	1/4	3,531.09	1/4	3,833.78	1/4	4,135.91	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,234.70	1/2	3,537.40	1/2	3,840.09	1/2	4,142.15	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,241.01	3/4	3,543.70	3/4	3,846.39	3/4	4,148.39	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,247.31	9	3,550.01	9	3,852.70	9	4,154.64	9		9		9		9		9		9	
1/4	3,253.62	1/4	3,556.31	1/4	3,859.01	1/4	4,160.88	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,259.93	1/2	3,562.62	1/2	3,865.31	1/2	4,167.12	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,266.23	3/4	3,568.93	3/4	3,871.62	3/4	4,173.37	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,272.54	10	3,575.23	10	3,877.93	10	4,179.61	10		10		10		10		10		10	
1/4	3,278.85	1/4	3,581.54	1/4	3,884.23	1/4	4,185.85	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,285.15	1/2	3,587.84	1/2	3,890.54	1/2	4,192.10	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,291.46	3/4	3,594.15	3/4	3,896.84	3/4	4,198.34	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,297.76	11	3,600.46	11	3,903.15	11	4,204.58	11		11		11		11		11		11	
1/4	3,304.07	1/4	3,606.76	1/4	3,909.46	1/4	4,210.82	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,310.38	1/2	3,613.07	1/2	3,915.76	1/2	4,217.05	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,316.68	3/4	3,619.38	3/4	3,922.07	3/4	4,223.29	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/26/2015 CL  
CALCULATED: 03/26/2015 CL  
PRINTED: 03/27/2015 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2015

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
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# BARGE "MM 306"

# 2 STBD INNAGE 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	22.76	0	311.29	0	614.20	0	916.96	0	1,219.88	0	1,521.21	0	1,824.14	0	2,127.06	0	2,429.98	0	2,732.91
1/4	27.01	1/4	317.60	1/4	620.51	1/4	923.27	1/4	1,226.19	1/4	1,527.52	1/4	1,830.45	1/4	2,133.37	1/4	2,436.29	1/4	2,739.22
1/2	31.26	1/2	323.91	1/2	626.82	1/2	929.58	1/2	1,232.50	1/2	1,533.84	1/2	1,836.76	1/2	2,139.68	1/2	2,442.60	1/2	2,745.53
3/4	35.50	3/4	330.22	3/4	633.13	3/4	935.89	3/4	1,238.81	3/4	1,540.15	3/4	1,843.07	3/4	2,145.99	3/4	2,448.92	3/4	2,751.84
1	39.75	1	336.53	1	639.44	1	942.20	1	1,245.12	1	1,546.46	1	1,849.38	1	2,152.30	1	2,455.23	1	2,758.15
1/4	45.26	1/4	342.85	1/4	645.75	1/4	948.51	1/4	1,251.43	1/4	1,552.77	1/4	1,855.69	1/4	2,158.61	1/4	2,461.54	1/4	2,764.46
1/2	50.76	1/2	349.16	1/2	652.06	1/2	954.82	1/2	1,257.74	1/2	1,559.08	1/2	1,862.00	1/2	2,164.92	1/2	2,467.85	1/2	2,770.77
3/4	56.27	3/4	355.47	3/4	658.38	3/4	961.13	3/4	1,264.05	3/4	1,565.39	3/4	1,868.31	3/4	2,171.24	3/4	2,474.16	3/4	2,777.08
2	61.77	2	361.78	2	664.69	2	967.44	2	1,270.36	2	1,571.70	2	1,874.62	2	2,177.55	2	2,480.47	2	2,783.39
1/4	67.88	1/4	368.09	1/4	671.00	1/4	973.75	1/4	1,276.67	1/4	1,578.01	1/4	1,880.93	1/4	2,183.86	1/4	2,486.78	1/4	2,789.70
1/2	73.99	1/2	374.40	1/2	677.31	1/2	980.06	1/2	1,282.98	1/2	1,584.32	1/2	1,887.25	1/2	2,190.17	1/2	2,493.09	1/2	2,796.01
3/4	80.10	3/4	380.71	3/4	683.62	3/4	986.38	3/4	1,289.29	3/4	1,590.63	3/4	1,893.56	3/4	2,196.48	3/4	2,499.40	3/4	2,802.33
3	86.21	3	387.02	3	689.93	3	992.69	3	1,295.60	3	1,596.94	3	1,899.87	3	2,202.79	3	2,505.71	3	2,808.64
1/4	92.34	1/4	393.33	1/4	696.23	1/4	999.00	1/4	1,301.92	1/4	1,603.25	1/4	1,906.18	1/4	2,209.10	1/4	2,512.02	1/4	2,814.95
1/2	98.47	1/2	399.64	1/2	702.54	1/2	1,005.31	1/2	1,308.23	1/2	1,609.57	1/2	1,912.49	1/2	2,215.41	1/2	2,518.34	1/2	2,821.26
3/4	104.60	3/4	405.95	3/4	708.85	3/4	1,011.62	3/4	1,314.54	3/4	1,615.88	3/4	1,918.80	3/4	2,221.72	3/4	2,524.65	3/4	2,827.57
4	110.73	4	412.26	4	715.15	4	1,017.93	4	1,320.85	4	1,622.19	4	1,925.11	4	2,228.03	4	2,530.96	4	2,833.88
1/4	116.86	1/4	418.57	1/4	721.46	1/4	1,024.24	1/4	1,327.16	1/4	1,628.50	1/4	1,931.42	1/4	2,234.34	1/4	2,537.27	1/4	2,840.19
1/2	123.00	1/2	424.88	1/2	727.76	1/2	1,030.55	1/2	1,333.47	1/2	1,634.81	1/2	1,937.73	1/2	2,240.66	1/2	2,543.58	1/2	2,846.50
3/4	129.14	3/4	431.19	3/4	734.07	3/4	1,036.86	3/4	1,339.78	3/4	1,641.12	3/4	1,944.04	3/4	2,246.97	3/4	2,549.89	3/4	2,852.81
5	135.28	5	437.50	5	740.37	5	1,043.17	5	1,346.09	5	1,647.43	5	1,950.35	5	2,253.28	5	2,556.20	5	2,859.12
1/4	141.42	1/4	443.81	1/4	746.68	1/4	1,049.48	1/4	1,352.40	1/4	1,653.74	1/4	1,956.67	1/4	2,259.59	1/4	2,562.51	1/4	2,865.43
1/2	147.56	1/2	450.13	1/2	752.99	1/2	1,055.79	1/2	1,358.71	1/2	1,660.05	1/2	1,962.98	1/2	2,265.90	1/2	2,568.82	1/2	2,871.75
3/4	153.70	3/4	456.44	3/4	759.29	3/4	1,062.11	3/4	1,365.02	3/4	1,666.36	3/4	1,969.29	3/4	2,272.21	3/4	2,575.13	3/4	2,878.06
6	159.84	6	462.75	6	765.60	6	1,068.42	6	1,371.33	6	1,672.67	6	1,975.60	6	2,278.52	6	2,581.44	6	2,884.37
1/4	166.15	1/4	469.06	1/4	771.90	1/4	1,074.73	1/4	1,377.65	1/4	1,678.99	1/4	1,981.91	1/4	2,284.83	1/4	2,587.76	1/4	2,890.68
1/2	172.46	1/2	475.37	1/2	778.21	1/2	1,081.04	1/2	1,383.96	1/2	1,685.30	1/2	1,988.22	1/2	2,291.14	1/2	2,594.07	1/2	2,896.99
3/4	178.77	3/4	481.68	3/4	784.52	3/4	1,087.35	3/4	1,390.27	3/4	1,691.61	3/4	1,994.53	3/4	2,297.45	3/4	2,600.38	3/4	2,903.30
7	185.08	7	487.99	7	790.82	7	1,093.66	7	1,396.58	7	1,697.92	7	2,000.84	7	2,303.76	7	2,606.69	7	2,909.61
1/4	191.39	1/4	494.30	1/4	797.13	1/4	1,099.97	1/4	1,402.79	1/4	1,704.23	1/4	2,007.15	1/4	2,310.08	1/4	2,613.00	1/4	2,915.92
1/2	197.70	1/2	500.61	1/2	803.43	1/2	1,106.28	1/2	1,409.00	1/2	1,710.54	1/2	2,013.46	1/2	2,316.39	1/2	2,619.31	1/2	2,922.23
3/4	204.01	3/4	506.92	3/4	809.74	3/4	1,112.59	3/4	1,415.21	3/4	1,716.85	3/4	2,019.77	3/4	2,322.70	3/4	2,625.62	3/4	2,928.54
8	210.32	8	513.23	8	816.04	8	1,118.90	8	1,421.43	8	1,723.16	8	2,026.09	8	2,329.01	8	2,631.93	8	2,934.85
1/4	216.63	1/4	519.54	1/4	822.35	1/4	1,125.21	1/4	1,427.64	1/4	1,729.47	1/4	2,032.40	1/4	2,335.32	1/4	2,638.24	1/4	2,941.17
1/2	222.94	1/2	525.85	1/2	828.66	1/2	1,131.52	1/2	1,433.85	1/2	1,735.78	1/2	2,038.71	1/2	2,341.63	1/2	2,644.55	1/2	2,947.48
3/4	229.25	3/4	532.16	3/4	834.96	3/4	1,137.83	3/4	1,440.06	3/4	1,742.09	3/4	2,045.02	3/4	2,347.94	3/4	2,650.86	3/4	2,953.79
9	235.56	9	538.47	9	841.27	9	1,144.15	9	1,446.27	9	1,748.41	9	2,051.33	9	2,354.25	9	2,657.18	9	2,960.10
1/4	241.88	1/4	544.78	1/4	847.57	1/4	1,150.46	1/4	1,452.49	1/4	1,754.72	1/4	2,057.64	1/4	2,360.56	1/4	2,663.49	1/4	2,966.41
1/2	248.19	1/2	551.09	1/2	853.88	1/2	1,156.77	1/2	1,458.70	1/2	1,761.03	1/2	2,063.95	1/2	2,366.87	1/2	2,669.80	1/2	2,972.72
3/4	254.50	3/4	557.41	3/4	860.18	3/4	1,163.08	3/4	1,464.91	3/4	1,767.34	3/4	2,070.26	3/4	2,373.18	3/4	2,676.11	3/4	2,979.03
10	260.81	10	563.72	10	866.49	10	1,169.39	10	1,471.12	10	1,773.65	10	2,076.57	10	2,379.50	10	2,682.42	10	2,985.34
1/4	267.12	1/4	570.03	1/4	872.80	1/4	1,175.70	1/4	1,477.33	1/4	1,779.96	1/4	2,082.88	1/4	2,385.81	1/4	2,688.73	1/4	2,991.65
1/2	273.43	1/2	576.34	1/2	879.10	1/2	1,182.01	1/2	1,483.55	1/2	1,786.27	1/2	2,089.19	1/2	2,392.12	1/2	2,695.04	1/2	2,997.96
3/4	279.74	3/4	582.65	3/4	885.41	3/4	1,188.32	3/4	1,489.76	3/4	1,792.58	3/4	2,095.51	3/4	2,398.43	3/4	2,701.35	3/4	3,004.27
11	286.05	11	588.96	11	891.71	11	1,194.63	11	1,495.97	11	1,798.89	11	2,101.82	11	2,404.74	11	2,707.66	11	3,010.59
1/4	292.36	1/4	595.27	1/4	898.02	1/4	1,200.94	1/4	1,502.28	1/4	1,805.20	1/4	2,108.13	1/4	2,411.05	1/4	2,713.97	1/4	3,016.90
1/2	298.67	1/2	601.58	1/2	904.34	1/2	1,207.25	1/2	1,508.59	1/2	1,811.51	1/2	2,114.44	1/2	2,417.36	1/2	2,720.28	1/2	3,023.21
3/4	304.98	3/4	607.89	3/4	910.65	3/4	1,213.56	3/4	1,514.90	3/4	1,817.83	3/4	2,120.75	3/4	2,423.67	3/4	2,726.60	3/4	3,029.52

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES.

GAUGE POINT: (HERMETIC - 2" VALVE) LOCATED 12'-09" OFF CENTERLINE AND 36'-00" FORWARD OF AFT BULKHEAD.

GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 37'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

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# BARGE "MM 306"

## 2 STBD INNAGE 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	3,035.83	0	3,338.75	0	3,641.65	0	3,944.55	0	4,245.91	0		0		0		0		0	
1/4	3,042.14	1/4	3,345.06	1/4	3,647.96	1/4	3,950.86	1/4	4,252.13	1/4		1/4		1/4		1/4		1/4	
1/2	3,048.45	1/2	3,351.37	1/2	3,654.27	1/2	3,957.17	1/2	4,258.34	1/2		1/2		1/2		1/2		1/2	
3/4	3,054.76	3/4	3,357.68	3/4	3,660.58	3/4	3,963.48	3/4	4,264.56	3/4		3/4		3/4		3/4		3/4	
1	3,061.07	1	3,363.99	1	3,666.89	1	3,969.79	1	4,270.78	1		1		1		1		1	
1/4	3,067.38	1/4	3,370.30	1/4	3,673.20	1/4	3,976.10	1/4	4,276.40	1/4		1/4		1/4		1/4		1/4	
1/2	3,073.69	1/2	3,376.61	1/2	3,679.51	1/2	3,982.41	1/2	4,282.01	1/2		1/2		1/2		1/2		1/2	
3/4	3,080.01	3/4	3,382.92	3/4	3,685.82	3/4	3,988.72	3/4	4,287.63	3/4		3/4		3/4		3/4		3/4	
2	3,086.32	2	3,389.23	2	3,692.13	2	3,995.03	2	4,293.24	2		2		2		2		2	
1/4	3,092.63	1/4	3,395.54	1/4	3,698.44	1/4	4,001.34	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,098.94	1/2	3,401.85	1/2	3,704.75	1/2	4,007.65	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,105.25	3/4	3,408.16	3/4	3,711.06	3/4	4,013.96	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,111.56	3	3,414.47	3	3,717.37	3	4,020.27	3		3		3		3		3		3	
1/4	3,117.87	1/4	3,420.78	1/4	3,723.68	1/4	4,026.58	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,124.18	1/2	3,427.09	1/2	3,729.99	1/2	4,032.89	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,130.49	3/4	3,433.40	3/4	3,736.30	3/4	4,039.20	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,136.80	4	3,439.71	4	3,742.61	4	4,045.51	4		4		4		4		4		4	
1/4	3,143.11	1/4	3,446.03	1/4	3,748.92	1/4	4,051.82	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,149.43	1/2	3,452.34	1/2	3,755.23	1/2	4,058.13	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,155.74	3/4	3,458.65	3/4	3,761.55	3/4	4,064.44	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,162.05	5	3,464.96	5	3,767.86	5	4,070.75	5		5		5		5		5		5	
1/4	3,168.36	1/4	3,471.27	1/4	3,774.17	1/4	4,077.07	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,174.67	1/2	3,477.58	1/2	3,780.48	1/2	4,083.38	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,180.98	3/4	3,483.89	3/4	3,786.79	3/4	4,089.69	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,187.29	6	3,490.20	6	3,793.10	6	4,096.00	6		6		6		6		6		6	
1/4	3,193.60	1/4	3,496.51	1/4	3,799.41	1/4	4,102.24	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,199.91	1/2	3,502.82	1/2	3,805.72	1/2	4,108.49	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,206.22	3/4	3,509.13	3/4	3,812.03	3/4	4,114.74	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,212.53	7	3,515.44	7	3,818.34	7	4,120.99	7		7		7		7		7		7	
1/4	3,218.85	1/4	3,521.75	1/4	3,824.65	1/4	4,127.24	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,225.16	1/2	3,528.06	1/2	3,830.96	1/2	4,133.48	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,231.47	3/4	3,534.37	3/4	3,837.27	3/4	4,139.73	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,237.78	8	3,540.68	8	3,843.58	8	4,145.98	8		8		8		8		8		8	
1/4	3,244.09	1/4	3,546.99	1/4	3,849.89	1/4	4,152.23	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,250.40	1/2	3,553.30	1/2	3,856.20	1/2	4,158.48	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,256.71	3/4	3,559.61	3/4	3,862.51	3/4	4,164.73	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,263.02	9	3,565.92	9	3,868.82	9	4,170.97	9		9		9		9		9		9	
1/4	3,269.33	1/4	3,572.23	1/4	3,875.13	1/4	4,177.22	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,275.64	1/2	3,578.54	1/2	3,881.44	1/2	4,183.47	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,281.95	3/4	3,584.85	3/4	3,887.75	3/4	4,189.72	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,288.27	10	3,591.16	10	3,894.06	10	4,195.97	10		10		10		10		10		10	
1/4	3,294.58	1/4	3,597.47	1/4	3,900.37	1/4	4,202.21	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,300.89	1/2	3,603.79	1/2	3,906.68	1/2	4,208.46	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,307.20	3/4	3,610.10	3/4	3,912.99	3/4	4,214.71	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,313.51	11	3,616.41	11	3,919.31	11	4,220.95	11		11		11		11		11		11	
1/4	3,319.82	1/4	3,622.72	1/4	3,925.62	1/4	4,227.19	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,326.13	1/2	3,629.03	1/2	3,931.93	1/2	4,233.43	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,332.44	3/4	3,635.34	3/4	3,938.24	3/4	4,239.67	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/26/2015 CL  
CALCULATED: 03/26/2015 CL  
PRINTED: 03/27/2015 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2015

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



# BARGE "MM 306"

# 3 PORT INNAGE 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	22.84	0	312.37	0	616.32	0	910.06	0	1,210.67	0	1,513.05	0	1,817.01	0	2,120.98	0	2,424.94	0	2,728.91
1/4	27.10	1/4	318.70	1/4	622.65	1/4	916.11	1/4	1,217.01	1/4	1,519.38	1/4	1,823.34	1/4	2,127.31	1/4	2,431.27	1/4	2,735.24
1/2	31.36	1/2	325.03	1/2	628.99	1/2	922.17	1/2	1,223.34	1/2	1,525.71	1/2	1,829.68	1/2	2,133.64	1/2	2,437.61	1/2	2,741.57
3/4	35.63	3/4	331.36	3/4	635.32	3/4	928.22	3/4	1,229.67	3/4	1,532.04	3/4	1,836.01	3/4	2,139.97	3/4	2,443.94	3/4	2,747.90
1	39.89	1	337.70	1	641.65	1	934.27	1	1,236.00	1	1,538.38	1	1,842.34	1	2,146.31	1	2,450.27	1	2,754.24
1/4	45.41	1/4	344.03	1/4	647.98	1/4	940.33	1/4	1,242.34	1/4	1,544.71	1/4	1,848.67	1/4	2,152.64	1/4	2,456.60	1/4	2,760.57
1/2	50.94	1/2	350.36	1/2	654.32	1/2	946.38	1/2	1,248.67	1/2	1,551.04	1/2	1,855.01	1/2	2,158.97	1/2	2,462.94	1/2	2,766.90
3/4	56.46	3/4	356.69	3/4	660.65	3/4	952.43	3/4	1,255.00	3/4	1,557.37	3/4	1,861.34	3/4	2,165.30	3/4	2,469.27	3/4	2,773.23
2	61.99	2	363.03	2	666.98	2	958.49	2	1,261.33	2	1,563.71	2	1,867.67	2	2,171.64	2	2,475.60	2	2,779.57
1/4	68.12	1/4	369.36	1/4	673.31	1/4	964.54	1/4	1,267.67	1/4	1,570.04	1/4	1,874.00	1/4	2,177.97	1/4	2,481.93	1/4	2,785.90
1/2	74.25	1/2	375.69	1/2	679.65	1/2	970.59	1/2	1,274.00	1/2	1,576.37	1/2	1,880.34	1/2	2,184.30	1/2	2,488.27	1/2	2,792.23
3/4	80.38	3/4	382.02	3/4	685.98	3/4	976.65	3/4	1,280.33	3/4	1,582.71	3/4	1,886.67	3/4	2,190.63	3/4	2,494.60	3/4	2,798.56
3	86.51	3	388.36	3	692.31	3	982.70	3	1,286.66	3	1,589.04	3	1,893.00	3	2,196.97	3	2,500.93	3	2,804.90
1/4	92.66	1/4	394.69	1/4	698.36	1/4	989.03	1/4	1,293.00	1/4	1,595.37	1/4	1,899.33	1/4	2,203.30	1/4	2,507.26	1/4	2,811.23
1/2	98.81	1/2	401.02	1/2	704.41	1/2	995.37	1/2	1,299.33	1/2	1,601.70	1/2	1,905.67	1/2	2,209.63	1/2	2,513.60	1/2	2,817.56
3/4	104.96	3/4	407.35	3/4	710.46	3/4	1,001.70	3/4	1,305.66	3/4	1,608.04	3/4	1,912.00	3/4	2,215.97	3/4	2,519.93	3/4	2,823.89
4	111.11	4	413.69	4	716.50	4	1,008.03	4	1,312.00	4	1,614.37	4	1,918.33	4	2,222.30	4	2,526.26	4	2,830.23
1/4	117.27	1/4	420.02	1/4	722.55	1/4	1,014.36	1/4	1,318.33	1/4	1,620.70	1/4	1,924.67	1/4	2,228.63	1/4	2,532.60	1/4	2,836.56
1/2	123.43	1/2	426.35	1/2	728.60	1/2	1,020.70	1/2	1,324.66	1/2	1,627.03	1/2	1,931.00	1/2	2,234.96	1/2	2,538.93	1/2	2,842.89
3/4	129.59	3/4	432.68	3/4	734.65	3/4	1,027.03	3/4	1,330.99	3/4	1,633.37	3/4	1,937.33	3/4	2,241.30	3/4	2,545.26	3/4	2,849.23
5	135.74	5	439.02	5	740.70	5	1,033.36	5	1,337.33	5	1,639.70	5	1,943.66	5	2,247.63	5	2,551.59	5	2,855.56
1/4	141.91	1/4	445.35	1/4	746.74	1/4	1,039.69	1/4	1,343.66	1/4	1,646.03	1/4	1,950.00	1/4	2,253.96	1/4	2,557.93	1/4	2,861.89
1/2	148.07	1/2	451.68	1/2	752.79	1/2	1,046.03	1/2	1,349.99	1/2	1,652.36	1/2	1,956.33	1/2	2,260.29	1/2	2,564.26	1/2	2,868.22
3/4	154.23	3/4	458.01	3/4	758.84	3/4	1,052.36	3/4	1,356.32	3/4	1,658.70	3/4	1,962.66	3/4	2,266.63	3/4	2,570.59	3/4	2,874.56
6	160.39	6	464.34	6	764.89	6	1,058.69	6	1,362.66	6	1,665.03	6	1,968.99	6	2,272.96	6	2,576.92	6	2,880.89
1/4	166.72	1/4	470.68	1/4	770.94	1/4	1,065.02	1/4	1,368.99	1/4	1,671.36	1/4	1,975.33	1/4	2,279.29	1/4	2,583.26	1/4	2,887.22
1/2	173.05	1/2	477.01	1/2	776.98	1/2	1,071.36	1/2	1,375.32	1/2	1,677.69	1/2	1,981.66	1/2	2,285.62	1/2	2,589.59	1/2	2,893.55
3/4	179.39	3/4	483.34	3/4	783.03	3/4	1,077.69	3/4	1,381.65	3/4	1,684.03	3/4	1,987.99	3/4	2,291.96	3/4	2,595.92	3/4	2,899.89
7	185.72	7	489.67	7	789.08	7	1,084.02	7	1,387.99	7	1,690.36	7	1,994.32	7	2,298.29	7	2,602.25	7	2,906.22
1/4	192.05	1/4	496.01	1/4	795.13	1/4	1,090.35	1/4	1,394.22	1/4	1,696.69	1/4	2,000.66	1/4	2,304.62	1/4	2,608.59	1/4	2,912.55
1/2	198.38	1/2	502.34	1/2	801.18	1/2	1,096.69	1/2	1,400.45	1/2	1,703.02	1/2	2,006.99	1/2	2,310.95	1/2	2,614.92	1/2	2,918.88
3/4	204.72	3/4	508.67	3/4	807.22	3/4	1,103.02	3/4	1,406.69	3/4	1,709.36	3/4	2,013.32	3/4	2,317.29	3/4	2,621.25	3/4	2,925.22
8	211.05	8	515.00	8	813.27	8	1,109.35	8	1,412.92	8	1,715.69	8	2,019.65	8	2,323.62	8	2,627.58	8	2,931.55
1/4	217.38	1/4	521.34	1/4	819.32	1/4	1,115.68	1/4	1,419.15	1/4	1,722.02	1/4	2,025.99	1/4	2,329.95	1/4	2,633.92	1/4	2,937.88
1/2	223.71	1/2	527.67	1/2	825.37	1/2	1,122.02	1/2	1,425.39	1/2	1,728.35	1/2	2,032.32	1/2	2,336.28	1/2	2,640.25	1/2	2,944.21
3/4	230.05	3/4	534.00	3/4	831.42	3/4	1,128.35	3/4	1,431.62	3/4	1,734.69	3/4	2,038.65	3/4	2,342.62	3/4	2,646.58	3/4	2,950.55
9	236.38	9	540.33	9	837.46	9	1,134.68	9	1,437.85	9	1,741.02	9	2,044.98	9	2,348.95	9	2,652.91	9	2,956.88
1/4	242.71	1/4	546.67	1/4	843.51	1/4	1,141.02	1/4	1,444.08	1/4	1,747.35	1/4	2,051.32	1/4	2,355.28	1/4	2,659.25	1/4	2,963.21
1/2	249.04	1/2	553.00	1/2	849.56	1/2	1,147.35	1/2	1,450.32	1/2	1,753.69	1/2	2,057.65	1/2	2,361.61	1/2	2,665.58	1/2	2,969.54
3/4	255.38	3/4	559.33	3/4	855.61	3/4	1,153.68	3/4	1,456.55	3/4	1,760.02	3/4	2,063.98	3/4	2,367.95	3/4	2,671.91	3/4	2,975.88
10	261.71	10	565.66	10	861.66	10	1,160.01	10	1,462.78	10	1,766.35	10	2,070.32	10	2,374.28	10	2,678.24	10	2,982.21
1/4	268.04	1/4	572.00	1/4	867.70	1/4	1,166.35	1/4	1,469.02	1/4	1,772.68	1/4	2,076.65	1/4	2,380.61	1/4	2,684.58	1/4	2,988.54
1/2	274.37	1/2	578.33	1/2	873.75	1/2	1,172.68	1/2	1,475.25	1/2	1,779.02	1/2	2,082.98	1/2	2,386.95	1/2	2,690.91	1/2	2,994.87
3/4	280.71	3/4	584.66	3/4	879.80	3/4	1,179.01	3/4	1,481.48	3/4	1,785.35	3/4	2,089.31	3/4	2,393.28	3/4	2,697.24	3/4	3,001.21
11	287.04	11	590.99	11	885.85	11	1,185.34	11	1,487.72	11	1,791.68	11	2,095.65	11	2,399.61	11	2,703.58	11	3,007.54
1/4	293.37	1/4	597.33	1/4	891.90	1/4	1,191.68	1/4	1,494.05	1/4	1,798.01	1/4	2,101.98	1/4	2,405.94	1/4	2,709.91	1/4	3,013.87
1/2	299.70	1/2	603.66	1/2	897.95	1/2	1,198.01	1/2	1,500.38	1/2	1,804.35	1/2	2,108.31	1/2	2,412.28	1/2	2,716.24	1/2	3,020.21
3/4	306.03	3/4	609.99	3/4	904.01	3/4	1,204.34	3/4	1,506.71	3/4	1,810.68	3/4	2,114.64	3/4	2,418.61	3/4	2,722.57	3/4	3,026.54

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES.

GAUGE POINT: (HERMETIC - 2" VALVE) LOCATED 12'-09" OFF CENTERLINE AND 36'-03" FORWARD OF AFT BULKHEAD.

GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 37'-09" FORWARD OF AFT BULKHEAD.

**PRECISION MEASUREMENT  
& ANALYSIS, INC.**

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



# BARGE "MM 306"

## 3 PORT INNAGE 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	3,032.87	0	3,336.83	0	3,640.78	0	3,944.72	0	4,247.13	0		0		0		0		0	
1/4	3,039.20	1/4	3,343.16	1/4	3,647.11	1/4	3,951.06	1/4	4,253.37	1/4		1/4		1/4		1/4		1/4	
1/2	3,045.54	1/2	3,349.50	1/2	3,653.44	1/2	3,957.39	1/2	4,259.61	1/2		1/2		1/2		1/2		1/2	
3/4	3,051.87	3/4	3,355.83	3/4	3,659.77	3/4	3,963.72	3/4	4,265.85	3/4		3/4		3/4		3/4		3/4	
1	3,058.20	1	3,362.16	1	3,666.11	1	3,970.05	1	4,272.09	1		1		1		1		1	
1/4	3,064.53	1/4	3,368.49	1/4	3,672.44	1/4	3,976.38	1/4	4,277.72	1/4		1/4		1/4		1/4		1/4	
1/2	3,070.87	1/2	3,374.83	1/2	3,678.77	1/2	3,982.72	1/2	4,283.36	1/2		1/2		1/2		1/2		1/2	
3/4	3,077.20	3/4	3,381.16	3/4	3,685.10	3/4	3,989.05	3/4	4,288.99	3/4		3/4		3/4		3/4		3/4	
2	3,083.53	2	3,387.49	2	3,691.44	2	3,995.38	2	4,294.62	2		2		2		2		2	
1/4	3,089.86	1/4	3,393.82	1/4	3,697.77	1/4	4,001.71	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,096.20	1/2	3,400.15	1/2	3,704.10	1/2	4,008.05	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,102.53	3/4	3,406.49	3/4	3,710.43	3/4	4,014.38	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,108.86	3	3,412.82	3	3,716.76	3	4,020.71	3		3		3		3		3		3	
1/4	3,115.19	1/4	3,419.15	1/4	3,723.10	1/4	4,027.04	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,121.53	1/2	3,425.48	1/2	3,729.43	1/2	4,033.37	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,127.86	3/4	3,431.82	3/4	3,735.76	3/4	4,039.71	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,134.19	4	3,438.15	4	3,742.09	4	4,046.04	4		4		4		4		4		4	
1/4	3,140.52	1/4	3,444.48	1/4	3,748.43	1/4	4,052.37	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,146.86	1/2	3,450.81	1/2	3,754.76	1/2	4,058.70	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,153.19	3/4	3,457.14	3/4	3,761.09	3/4	4,065.04	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,159.52	5	3,463.48	5	3,767.42	5	4,071.37	5		5		5		5		5		5	
1/4	3,165.86	1/4	3,469.81	1/4	3,773.75	1/4	4,077.70	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,172.19	1/2	3,476.14	1/2	3,780.09	1/2	4,084.03	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,178.52	3/4	3,482.47	3/4	3,786.42	3/4	4,090.36	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,184.85	6	3,488.80	6	3,792.75	6	4,096.70	6		6		6		6		6		6	
1/4	3,191.19	1/4	3,495.14	1/4	3,799.08	1/4	4,102.97	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,197.52	1/2	3,501.47	1/2	3,805.41	1/2	4,109.23	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,203.85	3/4	3,507.80	3/4	3,811.75	3/4	4,115.50	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,210.18	7	3,514.13	7	3,818.08	7	4,121.77	7		7		7		7		7		7	
1/4	3,216.52	1/4	3,520.47	1/4	3,824.41	1/4	4,128.04	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,222.85	1/2	3,526.80	1/2	3,830.74	1/2	4,134.31	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,229.18	3/4	3,533.13	3/4	3,837.08	3/4	4,140.58	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,235.51	8	3,539.46	8	3,843.41	8	4,146.85	8		8		8		8		8		8	
1/4	3,241.85	1/4	3,545.79	1/4	3,849.74	1/4	4,153.12	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,248.18	1/2	3,552.13	1/2	3,856.07	1/2	4,159.39	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,254.51	3/4	3,558.46	3/4	3,862.40	3/4	4,165.66	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,260.84	9	3,564.79	9	3,868.74	9	4,171.93	9		9		9		9		9		9	
1/4	3,267.18	1/4	3,571.12	1/4	3,875.07	1/4	4,178.20	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,273.51	1/2	3,577.46	1/2	3,881.40	1/2	4,184.47	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,279.84	3/4	3,583.79	3/4	3,887.73	3/4	4,190.74	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,286.17	10	3,590.12	10	3,894.07	10	4,197.01	10		10		10		10		10		10	
1/4	3,292.51	1/4	3,596.45	1/4	3,900.40	1/4	4,203.28	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,298.84	1/2	3,602.78	1/2	3,906.73	1/2	4,209.55	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,305.17	3/4	3,609.12	3/4	3,913.06	3/4	4,215.82	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,311.50	11	3,615.45	11	3,919.39	11	4,222.09	11		11		11		11		11		11	
1/4	3,317.84	1/4	3,621.78	1/4	3,925.73	1/4	4,228.35	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,324.17	1/2	3,628.11	1/2	3,932.06	1/2	4,234.61	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,330.50	3/4	3,634.45	3/4	3,938.39	3/4	4,240.87	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/26/2015 CL  
CALCULATED: 03/26/2015 CL  
PRINTED: 03/27/2015 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2015

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



# BARGE "MM 306"

# 3 STBD INNAGE 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	22.84	0	312.28	0	616.14	0	919.85	0	1,223.73	0	1,526.01	0	1,829.89	0	2,133.77	0	2,437.65	0	2,741.52
1/4	27.10	1/4	318.61	1/4	622.47	1/4	926.18	1/4	1,230.06	1/4	1,532.34	1/4	1,836.22	1/4	2,140.10	1/4	2,443.98	1/4	2,747.85
1/2	31.36	1/2	324.94	1/2	628.81	1/2	932.51	1/2	1,236.39	1/2	1,538.67	1/2	1,842.55	1/2	2,146.43	1/2	2,450.31	1/2	2,754.19
3/4	35.62	3/4	331.27	3/4	635.14	3/4	938.84	3/4	1,242.72	3/4	1,545.00	3/4	1,848.88	3/4	2,152.76	3/4	2,456.64	3/4	2,760.52
1	39.88	1	337.60	1	641.47	1	945.17	1	1,249.05	1	1,551.33	1	1,855.21	1	2,159.09	1	2,462.97	1	2,766.85
1/4	45.40	1/4	343.93	1/4	647.80	1/4	951.50	1/4	1,255.38	1/4	1,557.66	1/4	1,861.54	1/4	2,165.42	1/4	2,469.30	1/4	2,773.18
1/2	50.92	1/2	350.26	1/2	654.13	1/2	957.83	1/2	1,261.71	1/2	1,564.00	1/2	1,867.87	1/2	2,171.75	1/2	2,475.63	1/2	2,779.51
3/4	56.45	3/4	356.59	3/4	660.46	3/4	964.16	3/4	1,268.04	3/4	1,570.33	3/4	1,874.20	3/4	2,178.08	3/4	2,481.96	3/4	2,785.84
2	61.97	2	362.92	2	666.79	2	970.49	2	1,274.37	2	1,576.66	2	1,880.54	2	2,184.41	2	2,488.29	2	2,792.17
1/4	68.10	1/4	369.25	1/4	673.12	1/4	976.82	1/4	1,280.70	1/4	1,582.99	1/4	1,886.87	1/4	2,190.74	1/4	2,494.62	1/4	2,798.50
1/2	74.22	1/2	375.58	1/2	679.45	1/2	983.16	1/2	1,287.03	1/2	1,589.32	1/2	1,893.20	1/2	2,197.08	1/2	2,500.95	1/2	2,804.83
3/4	80.35	3/4	381.91	3/4	685.78	3/4	989.49	3/4	1,293.36	3/4	1,595.65	3/4	1,899.53	3/4	2,203.41	3/4	2,507.28	3/4	2,811.16
3	86.48	3	388.24	3	692.11	3	995.82	3	1,299.70	3	1,601.98	3	1,905.86	3	2,209.74	3	2,513.62	3	2,817.49
1/4	92.63	1/4	394.57	1/4	698.44	1/4	1,002.15	1/4	1,306.03	1/4	1,608.31	1/4	1,912.19	1/4	2,216.07	1/4	2,519.95	1/4	2,823.82
1/2	98.78	1/2	400.90	1/2	704.76	1/2	1,008.48	1/2	1,312.36	1/2	1,614.64	1/2	1,918.52	1/2	2,222.40	1/2	2,526.28	1/2	2,830.16
3/4	104.93	3/4	407.23	3/4	711.09	3/4	1,014.81	3/4	1,318.69	3/4	1,620.97	3/4	1,924.85	3/4	2,228.73	3/4	2,532.61	3/4	2,836.49
4	111.08	4	413.56	4	717.41	4	1,021.14	4	1,325.02	4	1,627.30	4	1,931.18	4	2,235.06	4	2,538.94	4	2,842.82
1/4	117.23	1/4	419.90	1/4	723.74	1/4	1,027.47	1/4	1,331.35	1/4	1,633.63	1/4	1,937.51	1/4	2,241.39	1/4	2,545.27	1/4	2,849.15
1/2	123.39	1/2	426.23	1/2	730.06	1/2	1,033.80	1/2	1,337.68	1/2	1,639.96	1/2	1,943.84	1/2	2,247.72	1/2	2,551.60	1/2	2,855.48
3/4	129.55	3/4	432.56	3/4	736.39	3/4	1,040.13	3/4	1,344.01	3/4	1,646.30	3/4	1,950.17	3/4	2,254.05	3/4	2,557.93	3/4	2,861.81
5	135.70	5	438.89	5	742.71	5	1,046.46	5	1,350.34	5	1,652.63	5	1,956.50	5	2,260.38	5	2,564.26	5	2,868.14
1/4	141.86	1/4	445.22	1/4	749.04	1/4	1,052.79	1/4	1,356.67	1/4	1,658.96	1/4	1,962.84	1/4	2,266.71	1/4	2,570.59	1/4	2,874.47
1/2	148.02	1/2	451.55	1/2	755.37	1/2	1,059.12	1/2	1,363.00	1/2	1,665.29	1/2	1,969.17	1/2	2,273.04	1/2	2,576.92	1/2	2,880.80
3/4	154.18	3/4	457.88	3/4	761.69	3/4	1,065.46	3/4	1,369.33	3/4	1,671.62	3/4	1,975.50	3/4	2,279.38	3/4	2,583.25	3/4	2,887.13
6	160.34	6	464.21	6	768.02	6	1,071.79	6	1,375.66	6	1,677.95	6	1,981.83	6	2,285.71	6	2,589.58	6	2,893.46
1/4	166.67	1/4	470.54	1/4	774.34	1/4	1,078.12	1/4	1,382.00	1/4	1,684.28	1/4	1,988.16	1/4	2,292.04	1/4	2,595.92	1/4	2,899.79
1/2	173.00	1/2	476.87	1/2	780.67	1/2	1,084.45	1/2	1,388.33	1/2	1,690.61	1/2	1,994.49	1/2	2,298.37	1/2	2,602.25	1/2	2,906.12
3/4	179.33	3/4	483.20	3/4	786.99	3/4	1,090.78	3/4	1,394.66	3/4	1,696.94	3/4	2,000.82	3/4	2,304.70	3/4	2,608.58	3/4	2,912.46
7	185.66	7	489.53	7	793.32	7	1,097.11	7	1,400.99	7	1,703.27	7	2,007.15	7	2,311.03	7	2,614.91	7	2,918.79
1/4	191.99	1/4	495.86	1/4	799.64	1/4	1,103.44	1/4	1,407.22	1/4	1,709.60	1/4	2,013.48	1/4	2,317.36	1/4	2,621.24	1/4	2,925.12
1/2	198.32	1/2	502.19	1/2	805.97	1/2	1,109.77	1/2	1,413.45	1/2	1,715.93	1/2	2,019.81	1/2	2,323.69	1/2	2,627.57	1/2	2,931.45
3/4	204.65	3/4	508.52	3/4	812.29	3/4	1,116.10	3/4	1,419.68	3/4	1,722.27	3/4	2,026.14	3/4	2,330.02	3/4	2,633.90	3/4	2,937.78
8	210.99	8	514.85	8	818.62	8	1,122.43	8	1,425.91	8	1,728.60	8	2,032.47	8	2,336.35	8	2,640.23	8	2,944.11
1/4	217.32	1/4	521.18	1/4	824.94	1/4	1,128.76	1/4	1,432.14	1/4	1,734.93	1/4	2,038.81	1/4	2,342.68	1/4	2,646.56	1/4	2,950.44
1/2	223.65	1/2	527.52	1/2	831.27	1/2	1,135.09	1/2	1,438.38	1/2	1,741.26	1/2	2,045.14	1/2	2,349.01	1/2	2,652.89	1/2	2,956.77
3/4	229.98	3/4	533.85	3/4	837.60	3/4	1,141.43	3/4	1,444.61	3/4	1,747.59	3/4	2,051.47	3/4	2,355.35	3/4	2,659.22	3/4	2,963.10
9	236.31	9	540.18	9	843.92	9	1,147.76	9	1,450.84	9	1,753.92	9	2,057.80	9	2,361.68	9	2,665.55	9	2,969.43
1/4	242.64	1/4	546.51	1/4	850.25	1/4	1,154.09	1/4	1,457.07	1/4	1,760.25	1/4	2,064.13	1/4	2,368.01	1/4	2,671.89	1/4	2,975.76
1/2	248.97	1/2	552.84	1/2	856.57	1/2	1,160.42	1/2	1,463.30	1/2	1,766.58	1/2	2,070.46	1/2	2,374.34	1/2	2,678.22	1/2	2,982.09
3/4	255.30	3/4	559.17	3/4	862.90	3/4	1,166.75	3/4	1,469.53	3/4	1,772.91	3/4	2,076.79	3/4	2,380.67	3/4	2,684.55	3/4	2,988.43
10	261.63	10	565.50	10	869.22	10	1,173.08	10	1,475.76	10	1,779.24	10	2,083.12	10	2,387.00	10	2,690.88	10	2,994.76
1/4	267.96	1/4	571.83	1/4	875.55	1/4	1,179.41	1/4	1,481.99	1/4	1,785.57	1/4	2,089.45	1/4	2,393.33	1/4	2,697.21	1/4	3,001.09
1/2	274.29	1/2	578.16	1/2	881.87	1/2	1,185.74	1/2	1,488.22	1/2	1,791.90	1/2	2,095.78	1/2	2,399.66	1/2	2,703.54	1/2	3,007.42
3/4	280.62	3/4	584.49	3/4	888.20	3/4	1,192.07	3/4	1,494.46	3/4	1,798.23	3/4	2,102.11	3/4	2,405.99	3/4	2,709.87	3/4	3,013.75
11	286.95	11	590.82	11	894.52	11	1,198.40	11	1,500.69	11	1,804.57	11	2,108.44	11	2,412.32	11	2,716.20	11	3,020.08
1/4	293.28	1/4	597.15	1/4	900.85	1/4	1,204.73	1/4	1,507.02	1/4	1,810.90	1/4	2,114.77	1/4	2,418.65	1/4	2,722.53	1/4	3,026.41
1/2	299.61	1/2	603.48	1/2	907.19	1/2	1,211.06	1/2	1,513.35	1/2	1,817.23	1/2	2,121.11	1/2	2,424.98	1/2	2,728.86	1/2	3,032.74
3/4	305.94	3/4	609.81	3/4	913.52	3/4	1,217.39	3/4	1,519.68	3/4	1,823.56	3/4	2,127.44	3/4	2,431.31	3/4	2,735.19	3/4	3,039.07

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES.  
 GAUGE POINT: (HERMETIC - 2" VALVE) LOCATED 12'-09" OFF CENTERLINE AND 36'-03" FORWARD OF AFT BULKHEAD.  
 GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 37'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
 Pearland, Texas 77588  
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# BARGE "MM 306"

## 3 STBD INNAGE 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	3,045.40	0	3,349.28	0	3,653.13	0	3,956.99	0	4,259.30	0		0		0		0		0	
1/4	3,051.73	1/4	3,355.61	1/4	3,659.46	1/4	3,963.32	1/4	4,265.54	1/4		1/4		1/4		1/4		1/4	
1/2	3,058.06	1/2	3,361.94	1/2	3,665.79	1/2	3,969.65	1/2	4,271.78	1/2		1/2		1/2		1/2		1/2	
3/4	3,064.39	3/4	3,368.27	3/4	3,672.12	3/4	3,975.98	3/4	4,278.02	3/4		3/4		3/4		3/4		3/4	
1	3,070.73	1	3,374.60	1	3,678.45	1	3,982.31	1	4,284.25	1		1		1		1		1	
1/4	3,077.06	1/4	3,380.93	1/4	3,684.78	1/4	3,988.64	1/4	4,289.89	1/4		1/4		1/4		1/4		1/4	
1/2	3,083.39	1/2	3,387.26	1/2	3,691.11	1/2	3,994.97	1/2	4,295.52	1/2		1/2		1/2		1/2		1/2	
3/4	3,089.72	3/4	3,393.59	3/4	3,697.44	3/4	4,001.30	3/4	4,301.15	3/4		3/4		3/4		3/4		3/4	
2	3,096.05	2	3,399.92	2	3,703.77	2	4,007.63	2	4,306.79	2		2		2		2		2	
1/4	3,102.38	1/4	3,406.25	1/4	3,710.10	1/4	4,013.96	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,108.71	1/2	3,412.58	1/2	3,716.43	1/2	4,020.29	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,115.04	3/4	3,418.91	3/4	3,722.76	3/4	4,026.62	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,121.37	3	3,425.24	3	3,729.09	3	4,032.95	3		3		3		3		3		3	
1/4	3,127.70	1/4	3,431.57	1/4	3,735.43	1/4	4,039.28	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,134.03	1/2	3,437.90	1/2	3,741.76	1/2	4,045.61	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,140.36	3/4	3,444.23	3/4	3,748.09	3/4	4,051.94	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,146.70	4	3,450.56	4	3,754.42	4	4,058.27	4		4		4		4		4		4	
1/4	3,153.03	1/4	3,456.89	1/4	3,760.75	1/4	4,064.60	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,159.36	1/2	3,463.22	1/2	3,767.08	1/2	4,070.93	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,165.69	3/4	3,469.55	3/4	3,773.41	3/4	4,077.26	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,172.02	5	3,475.88	5	3,779.74	5	4,083.59	5		5		5		5		5		5	
1/4	3,178.35	1/4	3,482.21	1/4	3,786.07	1/4	4,089.92	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,184.68	1/2	3,488.54	1/2	3,792.40	1/2	4,096.25	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,191.01	3/4	3,494.87	3/4	3,798.73	3/4	4,102.58	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,197.34	6	3,501.20	6	3,805.06	6	4,108.91	6		6		6		6		6		6	
1/4	3,203.67	1/4	3,507.53	1/4	3,811.39	1/4	4,115.18	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,210.00	1/2	3,513.86	1/2	3,817.72	1/2	4,121.45	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,216.33	3/4	3,520.19	3/4	3,824.05	3/4	4,127.72	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,222.66	7	3,526.53	7	3,830.38	7	4,133.98	7		7		7		7		7		7	
1/4	3,229.00	1/4	3,532.86	1/4	3,836.71	1/4	4,140.25	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,235.33	1/2	3,539.19	1/2	3,843.04	1/2	4,146.52	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,241.66	3/4	3,545.52	3/4	3,849.37	3/4	4,152.79	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,247.99	8	3,551.85	8	3,855.70	8	4,159.05	8		8		8		8		8		8	
1/4	3,254.32	1/4	3,558.18	1/4	3,862.03	1/4	4,165.32	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,260.65	1/2	3,564.51	1/2	3,868.36	1/2	4,171.59	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,266.98	3/4	3,570.84	3/4	3,874.69	3/4	4,177.86	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,273.31	9	3,577.17	9	3,881.02	9	4,184.12	9		9		9		9		9		9	
1/4	3,279.64	1/4	3,583.50	1/4	3,887.35	1/4	4,190.39	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,285.97	1/2	3,589.83	1/2	3,893.68	1/2	4,196.66	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,292.30	3/4	3,596.16	3/4	3,900.01	3/4	4,202.93	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,298.63	10	3,602.49	10	3,906.34	10	4,209.19	10		10		10		10		10		10	
1/4	3,304.96	1/4	3,608.82	1/4	3,912.67	1/4	4,215.46	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,311.29	1/2	3,615.15	1/2	3,919.00	1/2	4,221.73	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,317.63	3/4	3,621.48	3/4	3,925.33	3/4	4,228.00	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,323.96	11	3,627.81	11	3,931.66	11	4,234.27	11		11		11		11		11		11	
1/4	3,330.29	1/4	3,634.14	1/4	3,937.99	1/4	4,240.53	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,336.62	1/2	3,640.47	1/2	3,944.32	1/2	4,246.79	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,342.95	3/4	3,646.80	3/4	3,950.66	3/4	4,253.05	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/26/2015 CL  
CALCULATED: 03/26/2015 CL  
PRINTED: 03/27/2015 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2015

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



# BARGE "MM 306"

## 4 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 10'-08 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		10 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	17.10	0	227.72	0	446.01	0	657.02	0	872.72	0	1,088.32	0	1,306.30	0	1,523.99	0	1,741.47	0	1,958.95	0	
1/4	20.28	1/4	232.27	1/4	450.55	1/4	661.37	1/4	877.26	1/4	1,092.86	1/4	1,310.84	1/4	1,528.52	1/4	1,746.00	1/4	1,963.44	1/4	
1/2	23.46	1/2	236.82	1/2	455.10	1/2	665.72	1/2	881.80	1/2	1,097.39	1/2	1,315.39	1/2	1,533.05	1/2	1,750.53	1/2	1,967.92	1/2	
3/4	26.64	3/4	241.36	3/4	459.65	3/4	670.07	3/4	886.34	3/4	1,101.93	3/4	1,319.93	3/4	1,537.58	3/4	1,755.06	3/4	1,972.41	3/4	
1	29.82	1	245.91	1	464.20	1	674.42	1	890.88	1	1,106.47	1	1,324.47	1	1,542.11	1	1,759.59	1	1,976.90	1	
1/4	33.90	1/4	250.46	1/4	468.74	1/4	678.78	1/4	895.42	1/4	1,111.00	1/4	1,329.02	1/4	1,546.64	1/4	1,764.12	1/4	1,981.38	1/4	
1/2	37.98	1/2	255.01	1/2	473.29	1/2	683.15	1/2	899.95	1/2	1,115.54	1/2	1,333.56	1/2	1,551.17	1/2	1,768.65	1/2	1,985.87	1/2	
3/4	42.06	3/4	259.55	3/4	477.84	3/4	687.51	3/4	904.49	3/4	1,120.08	3/4	1,338.10	3/4	1,555.70	3/4	1,773.19	3/4	1,990.35	3/4	
2	46.14	2	264.10	2	482.39	2	691.88	2	909.03	2	1,124.61	2	1,342.65	2	1,560.23	2	1,777.72	2	1,994.84	2	
1/4	50.65	1/4	268.65	1/4	486.93	1/4	696.24	1/4	913.57	1/4	1,129.15	1/4	1,347.19	1/4	1,564.76	1/4	1,782.25	1/4	1,999.33	1/4	
1/2	55.17	1/2	273.20	1/2	491.48	1/2	700.61	1/2	918.11	1/2	1,133.69	1/2	1,351.74	1/2	1,569.29	1/2	1,786.78	1/2	2,003.81	1/2	
3/4	59.68	3/4	277.74	3/4	496.03	3/4	704.98	3/4	922.65	3/4	1,138.22	3/4	1,356.28	3/4	1,573.83	3/4	1,791.31	3/4	2,008.30	3/4	
3	64.20	3	282.29	3	500.58	3	709.34	3	927.18	3	1,142.76	3	1,360.82	3	1,578.36	3	1,795.84	3	2,012.78	3	
1/4	68.72	1/4	286.84	1/4	504.92	1/4	713.88	1/4	931.72	1/4	1,147.29	1/4	1,365.37	1/4	1,582.89	1/4	1,800.37	1/4	2,017.27	1/4	
1/2	73.25	1/2	291.39	1/2	509.27	1/2	718.42	1/2	936.26	1/2	1,151.83	1/2	1,369.91	1/2	1,587.42	1/2	1,804.90	1/2	2,021.76	1/2	
3/4	77.78	3/4	295.94	3/4	513.62	3/4	722.96	3/4	940.80	3/4	1,156.37	3/4	1,374.45	3/4	1,591.95	3/4	1,809.43	3/4	2,026.24	3/4	
4	82.31	4	300.48	4	517.96	4	727.50	4	945.34	4	1,160.90	4	1,379.00	4	1,596.48	4	1,813.96	4	2,030.73	4	
1/4	86.85	1/4	305.03	1/4	522.31	1/4	732.03	1/4	949.84	1/4	1,165.45	1/4	1,383.53	1/4	1,601.01	1/4	1,818.49	1/4	2,035.21	1/4	
1/2	91.38	1/2	309.58	1/2	526.66	1/2	736.57	1/2	954.34	1/2	1,169.99	1/2	1,388.06	1/2	1,605.54	1/2	1,823.03	1/2	2,039.70	1/2	
3/4	95.92	3/4	314.13	3/4	531.01	3/4	741.11	3/4	958.84	3/4	1,174.54	3/4	1,392.59	3/4	1,610.07	3/4	1,827.56	3/4	2,044.18	3/4	
5	100.45	5	318.67	5	535.35	5	745.65	5	963.34	5	1,179.08	5	1,397.12	5	1,614.60	5	1,832.09	5	2,048.67	5	
1/4	104.99	1/4	323.22	1/4	539.70	1/4	750.19	1/4	967.84	1/4	1,183.62	1/4	1,401.65	1/4	1,619.13	1/4	1,836.62	1/4	2,053.15	1/4	
1/2	109.53	1/2	327.77	1/2	544.04	1/2	754.73	1/2	972.34	1/2	1,188.17	1/2	1,406.18	1/2	1,623.67	1/2	1,841.15	1/2	2,057.63	1/2	
3/4	114.06	3/4	332.32	3/4	548.39	3/4	759.26	3/4	976.84	3/4	1,192.71	3/4	1,410.71	3/4	1,628.20	3/4	1,845.68	3/4	2,062.11	3/4	
6	118.60	6	336.86	6	552.73	6	763.80	6	981.34	6	1,197.25	6	1,415.24	6	1,632.73	6	1,850.21	6	2,066.59	6	
1/4	123.14	1/4	341.41	1/4	557.07	1/4	768.34	1/4	985.84	1/4	1,201.80	1/4	1,419.78	1/4	1,637.26	1/4	1,854.74	1/4	2,071.05	1/4	
1/2	127.69	1/2	345.96	1/2	561.42	1/2	772.88	1/2	990.34	1/2	1,206.34	1/2	1,424.31	1/2	1,641.79	1/2	1,859.27	1/2	2,075.52	1/2	
3/4	132.23	3/4	350.51	3/4	565.76	3/4	777.42	3/4	994.85	3/4	1,210.88	3/4	1,428.84	3/4	1,646.32	3/4	1,863.80	3/4	2,079.98	3/4	
7	136.78	7	355.05	7	570.11	7	781.96	7	999.35	7	1,215.43	7	1,433.37	7	1,650.85	7	1,868.33	7	2,084.44	7	
1/4	141.33	1/4	359.60	1/4	574.45	1/4	786.49	1/4	1,003.78	1/4	1,219.97	1/4	1,437.90	1/4	1,655.38	1/4	1,872.87	1/4	2,088.49	1/4	
1/2	145.87	1/2	364.15	1/2	578.80	1/2	791.03	1/2	1,008.22	1/2	1,224.51	1/2	1,442.43	1/2	1,659.91	1/2	1,877.40	1/2	2,092.53	1/2	
3/4	150.42	3/4	368.70	3/4	583.14	3/4	795.57	3/4	1,012.65	3/4	1,229.06	3/4	1,446.96	3/4	1,664.44	3/4	1,881.93	3/4	2,096.58	3/4	
8	154.97	8	373.24	8	587.49	8	800.11	8	1,017.09	8	1,233.60	8	1,451.49	8	1,668.97	8	1,886.46	8	2,100.62	8	
1/4	159.51	1/4	377.79	1/4	591.83	1/4	804.65	1/4	1,021.52	1/4	1,238.15	1/4	1,456.02	1/4	1,673.51	1/4	1,890.99	1/4	2,103.75	1/4	
1/2	164.06	1/2	382.34	1/2	596.17	1/2	809.19	1/2	1,025.96	1/2	1,242.69	1/2	1,460.55	1/2	1,678.04	1/2	1,895.52	1/2		1/2	
3/4	168.60	3/4	386.89	3/4	600.52	3/4	813.72	3/4	1,030.40	3/4	1,247.23	3/4	1,465.08	3/4	1,682.57	3/4	1,900.05	3/4		3/4	
9	173.15	9	391.43	9	604.86	9	818.26	9	1,034.83	9	1,251.78	9	1,469.61	9	1,687.10	9	1,904.58	9		9	
1/4	177.70	1/4	395.98	1/4	609.21	1/4	822.80	1/4	1,039.27	1/4	1,256.32	1/4	1,474.15	1/4	1,691.63	1/4	1,909.11	1/4		1/4	
1/2	182.25	1/2	400.53	1/2	613.55	1/2	827.34	1/2	1,043.70	1/2	1,260.86	1/2	1,478.68	1/2	1,696.16	1/2	1,913.64	1/2		1/2	
3/4	186.79	3/4	405.08	3/4	617.90	3/4	831.88	3/4	1,048.14	3/4	1,265.41	3/4	1,483.21	3/4	1,700.69	3/4	1,918.17	3/4		3/4	
10	191.34	10	409.62	10	622.24	10	836.42	10	1,052.58	10	1,269.95	10	1,487.74	10	1,705.22	10	1,922.70	10		10	
1/4	195.89	1/4	414.17	1/4	626.59	1/4	840.96	1/4	1,057.01	1/4	1,274.49	1/4	1,492.27	1/4	1,709.75	1/4	1,927.24	1/4		1/4	
1/2	200.44	1/2	418.72	1/2	630.93	1/2	845.49	1/2	1,061.45	1/2	1,279.04	1/2	1,496.80	1/2	1,714.28	1/2	1,931.77	1/2		1/2	
3/4	204.98	3/4	423.27	3/4	635.27	3/4	850.03	3/4	1,065.88	3/4	1,283.58	3/4	1,501.33	3/4	1,718.81	3/4	1,936.30	3/4		3/4	
11	209.53	11	427.82	11	639.62	11	854.57	11	1,070.32	11	1,288.13	11	1,505.86	11	1,723.35	11	1,940.83	11		11	
1/4	214.08	1/4	432.36	1/4	643.97	1/4	859.11	1/4	1,074.82	1/4	1,292.67	1/4	1,510.39	1/4	1,727.88	1/4	1,945.36	1/4		1/4	
1/2	218.63	1/2	436.91	1/2	648.32	1/2	863.65	1/2	1,079.32	1/2	1,297.21	1/2	1,514.92	1/2	1,732.41	1/2	1,949.89	1/2		1/2	
3/4	223.17	3/4	441.46	3/4	652.67	3/4	868.19	3/4	1,083.82	3/4	1,301.76	3/4	1,519.45	3/4	1,736.94	3/4	1,954.42	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES.  
 GAUGE POINT: (HERMETIC - 2" VALVE) LOCATED 12'-09" OFF CENTERLINE AND 48'-09" FORWARD OF AFT BULKHEAD.  
 GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 49'-09" FORWARD OF AFT BULKHEAD.

STRAPPED: 03/26/2015 CL  
 CALCULATED: 03/26/2015 CL  
 PRINTED: 03/27/2015 JS

CANCELS AND SUPERCEDES  
 ALL PRIOR TO 03/2015

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





# BARGE "MM 306"

## 4 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 10'-09"

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.	IN	10 FT.
0	17.10	0	228.21	0	447.02	0	665.08	0	883.83	0	1,101.60	0	1,320.40	0	1,538.78	0	1,756.97	0	1,975.15	0	
1/4	20.28	1/4	232.77	1/4	451.58	1/4	669.62	1/4	888.39	1/4	1,106.16	1/4	1,324.96	1/4	1,543.33	1/4	1,761.51	1/4	1,979.65	1/4	
1/2	23.46	1/2	237.33	1/2	456.13	1/2	674.17	1/2	892.95	1/2	1,110.72	1/2	1,329.51	1/2	1,547.88	1/2	1,766.06	1/2	1,984.15	1/2	
3/4	26.64	3/4	241.89	3/4	460.69	3/4	678.71	3/4	897.51	3/4	1,115.28	3/4	1,334.07	3/4	1,552.42	3/4	1,770.60	3/4	1,988.65	3/4	
1	29.82	1	246.45	1	465.25	1	683.25	1	902.06	1	1,119.84	1	1,338.63	1	1,556.97	1	1,775.15	1	1,993.15	1	
1/4	33.91	1/4	251.01	1/4	469.81	1/4	687.81	1/4	906.62	1/4	1,124.39	1/4	1,343.19	1/4	1,561.51	1/4	1,779.70	1/4	1,997.66	1/4	
1/2	38.00	1/2	255.56	1/2	474.37	1/2	692.37	1/2	911.18	1/2	1,128.95	1/2	1,347.75	1/2	1,566.06	1/2	1,784.24	1/2	2,002.16	1/2	
3/4	42.09	3/4	260.12	3/4	478.93	3/4	696.93	3/4	915.74	3/4	1,133.51	3/4	1,352.30	3/4	1,570.60	3/4	1,788.79	3/4	2,006.66	3/4	
2	46.18	2	264.68	2	483.48	2	701.49	2	920.30	2	1,138.07	2	1,356.86	2	1,575.15	2	1,793.33	2	2,011.16	2	
1/4	50.70	1/4	269.24	1/4	488.04	1/4	706.05	1/4	924.86	1/4	1,142.63	1/4	1,361.42	1/4	1,579.69	1/4	1,797.88	1/4	2,015.66	1/4	
1/2	55.23	1/2	273.80	1/2	492.60	1/2	710.60	1/2	929.42	1/2	1,147.19	1/2	1,365.98	1/2	1,584.24	1/2	1,802.42	1/2	2,020.16	1/2	
3/4	59.75	3/4	278.36	3/4	497.16	3/4	715.16	3/4	933.98	3/4	1,151.74	3/4	1,370.54	3/4	1,588.78	3/4	1,806.97	3/4	2,024.66	3/4	
3	64.28	3	282.91	3	501.72	3	719.72	3	938.53	3	1,156.30	3	1,375.10	3	1,593.33	3	1,811.51	3	2,029.16	3	
1/4	68.82	1/4	287.47	1/4	506.26	1/4	724.28	1/4	943.09	1/4	1,160.86	1/4	1,379.65	1/4	1,597.88	1/4	1,816.06	1/4	2,033.66	1/4	
1/2	73.36	1/2	292.03	1/2	510.79	1/2	728.84	1/2	947.65	1/2	1,165.42	1/2	1,384.21	1/2	1,602.42	1/2	1,820.61	1/2	2,038.16	1/2	
3/4	77.90	3/4	296.59	3/4	515.33	3/4	733.40	3/4	952.21	3/4	1,169.98	3/4	1,388.77	3/4	1,606.97	3/4	1,825.15	3/4	2,042.66	3/4	
4	82.44	4	301.15	4	519.87	4	737.96	4	956.77	4	1,174.53	4	1,393.33	4	1,611.51	4	1,829.70	4	2,047.16	4	
1/4	86.98	1/4	305.71	1/4	524.40	1/4	742.51	1/4	961.33	1/4	1,179.09	1/4	1,397.87	1/4	1,616.06	1/4	1,834.24	1/4	2,051.66	1/4	
1/2	91.53	1/2	310.27	1/2	528.94	1/2	747.07	1/2	965.89	1/2	1,183.65	1/2	1,402.42	1/2	1,620.60	1/2	1,838.79	1/2	2,056.16	1/2	
3/4	96.07	3/4	314.82	3/4	533.48	3/4	751.63	3/4	970.44	3/4	1,188.21	3/4	1,406.96	3/4	1,625.15	3/4	1,843.33	3/4	2,060.66	3/4	
5	100.62	5	319.38	5	538.02	5	756.19	5	975.00	5	1,192.77	5	1,411.51	5	1,629.69	5	1,847.88	5	2,065.16	5	
1/4	105.17	1/4	323.94	1/4	542.55	1/4	760.75	1/4	979.56	1/4	1,197.33	1/4	1,416.06	1/4	1,634.24	1/4	1,852.42	1/4	2,069.65	1/4	
1/2	109.72	1/2	328.50	1/2	547.09	1/2	765.31	1/2	984.12	1/2	1,201.88	1/2	1,420.60	1/2	1,638.79	1/2	1,856.97	1/2	2,074.14	1/2	
3/4	114.26	3/4	333.06	3/4	551.63	3/4	769.87	3/4	988.68	3/4	1,206.44	3/4	1,425.15	3/4	1,643.33	3/4	1,861.51	3/4	2,078.64	3/4	
6	118.81	6	337.62	6	556.17	6	774.42	6	993.24	6	1,211.00	6	1,429.69	6	1,647.88	6	1,866.06	6	2,083.13	6	
1/4	123.37	1/4	342.17	1/4	560.70	1/4	778.98	1/4	997.80	1/4	1,215.56	1/4	1,434.24	1/4	1,652.42	1/4	1,870.61	1/4	2,087.61	1/4	
1/2	127.93	1/2	346.73	1/2	565.24	1/2	783.54	1/2	1,002.35	1/2	1,220.12	1/2	1,438.78	1/2	1,656.97	1/2	1,875.15	1/2	2,092.09	1/2	
3/4	132.49	3/4	351.29	3/4	569.78	3/4	788.10	3/4	1,006.91	3/4	1,224.67	3/4	1,443.33	3/4	1,661.51	3/4	1,879.70	3/4	2,096.57	3/4	
7	137.05	7	355.85	7	574.31	7	792.66	7	1,011.47	7	1,229.23	7	1,447.87	7	1,666.06	7	1,884.24	7	2,101.05	7	
1/4	141.60	1/4	360.41	1/4	578.85	1/4	797.22	1/4	1,015.97	1/4	1,233.79	1/4	1,452.42	1/4	1,670.60	1/4	1,888.79	1/4	2,105.09	1/4	
1/2	146.16	1/2	364.97	1/2	583.39	1/2	801.78	1/2	1,020.46	1/2	1,238.35	1/2	1,456.97	1/2	1,675.15	1/2	1,893.33	1/2	2,109.13	1/2	
3/4	150.72	3/4	369.52	3/4	587.93	3/4	806.33	3/4	1,024.95	3/4	1,242.91	3/4	1,461.51	3/4	1,679.69	3/4	1,897.88	3/4	2,113.18	3/4	
8	155.28	8	374.08	8	592.46	8	810.89	8	1,029.45	8	1,247.47	8	1,466.06	8	1,684.24	8	1,902.42	8	2,117.22	8	
1/4	159.84	1/4	378.64	1/4	597.00	1/4	815.45	1/4	1,033.94	1/4	1,252.02	1/4	1,470.60	1/4	1,688.79	1/4	1,906.97	1/4	2,120.35	1/4	
1/2	164.40	1/2	383.20	1/2	601.54	1/2	820.01	1/2	1,038.43	1/2	1,256.58	1/2	1,475.15	1/2	1,693.33	1/2	1,911.52	1/2		1/2	
3/4	168.95	3/4	387.76	3/4	606.08	3/4	824.57	3/4	1,042.93	3/4	1,261.14	3/4	1,479.69	3/4	1,697.88	3/4	1,916.06	3/4		3/4	
9	173.51	9	392.32	9	610.61	9	829.13	9	1,047.42	9	1,265.70	9	1,484.24	9	1,702.42	9	1,920.61	9		9	
1/4	178.07	1/4	396.87	1/4	615.15	1/4	833.69	1/4	1,051.91	1/4	1,270.26	1/4	1,488.78	1/4	1,706.97	1/4	1,925.15	1/4		1/4	
1/2	182.63	1/2	401.43	1/2	619.69	1/2	838.24	1/2	1,056.41	1/2	1,274.81	1/2	1,493.33	1/2	1,711.51	1/2	1,929.70	1/2		1/2	
3/4	187.19	3/4	405.99	3/4	624.22	3/4	842.80	3/4	1,060.90	3/4	1,279.37	3/4	1,497.87	3/4	1,716.06	3/4	1,934.24	3/4		3/4	
10	191.75	10	410.55	10	628.76	10	847.36	10	1,065.40	10	1,283.93	10	1,502.42	10	1,720.60	10	1,938.79	10		10	
1/4	196.31	1/4	415.11	1/4	633.30	1/4	851.92	1/4	1,069.89	1/4	1,288.49	1/4	1,506.97	1/4	1,725.15	1/4	1,943.33	1/4		1/4	
1/2	200.86	1/2	419.67	1/2	637.84	1/2	856.48	1/2	1,074.38	1/2	1,293.05	1/2	1,511.51	1/2	1,729.70	1/2	1,947.88	1/2		1/2	
3/4	205.42	3/4	424.23	3/4	642.37	3/4	861.04	3/4	1,078.88	3/4	1,297.61	3/4	1,516.06	3/4	1,734.24	3/4	1,952.42	3/4		3/4	
11	209.98	11	428.78	11	646.91	11	865.60	11	1,083.37	11	1,302.16	11	1,520.60	11	1,738.79	11	1,956.97	11		11	
1/4	214.54	1/4	433.34	1/4	651.45	1/4	870.15	1/4	1,087.93	1/4	1,306.72	1/4	1,525.15	1/4	1,743.33	1/4	1,961.52	1/4		1/4	
1/2	219.10	1/2	437.90	1/2	656.00	1/2	874.71	1/2	1,092.49	1/2	1,311.28	1/2	1,529.69	1/2	1,747.88	1/2	1,966.06	1/2		1/2	
3/4	223.66	3/4	442.46	3/4	660.54	3/4	879.27	3/4	1,097.05	3/4	1,315.84	3/4	1,534.24	3/4	1,752.42	3/4	1,970.61	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES.  
 GAUGE POINT: (HERMETIC - 2" VALVE) LOCATED 12'-09" OFF CENTERLINE AND 48'-09" FORWARD OF AFT BULKHEAD.  
 GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 49'-09" FORWARD OF AFT BULKHEAD.

STRAPPED: 03/26/2015 CL  
 CALCULATED: 03/26/2015 CL  
 PRINTED: 03/27/2015 JS

CANCELS AND SUPERCEDES  
 ALL PRIOR TO 03/2015

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





# BARGE "MM 306"

## PORT FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

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	640	0	1,513	0	2,432	0	3,268	0		0		0		0		0	
1/4	8	1/4	657	1/4	1,532	1/4	2,451	1/4	3,283	1/4		1/4		1/4		1/4		1/4	
1/2	16	1/2	673	1/2	1,551	1/2	2,470	1/2	3,299	1/2		1/2		1/2		1/2		1/2	
3/4	23	3/4	690	3/4	1,570	3/4	2,488	3/4	3,314	3/4		3/4		3/4		3/4		3/4	
1	31	1	707	1	1,589	1	2,507	1	3,329	1		1		1		1		1	
1/4	41	1/4	724	1/4	1,609	1/4	2,526	1/4	3,344	1/4		1/4		1/4		1/4		1/4	
1/2	51	1/2	742	1/2	1,628	1/2	2,544	1/2	3,358	1/2		1/2		1/2		1/2		1/2	
3/4	61	3/4	759	3/4	1,647	3/4	2,563	3/4	3,373	3/4		3/4		3/4		3/4		3/4	
2	70	2	776	2	1,666	2	2,581	2	3,388	2		2		2		2		2	
1/4	81	1/4	794	1/4	1,685	1/4	2,600	1/4	3,402	1/4		1/4		1/4		1/4		1/4	
1/2	92	1/2	811	1/2	1,705	1/2	2,618	1/2	3,416	1/2		1/2		1/2		1/2		1/2	
3/4	104	3/4	829	3/4	1,724	3/4	2,636	3/4	3,430	3/4		3/4		3/4		3/4		3/4	
3	115	3	846	3	1,743	3	2,655	3	3,444	3		3		3		3		3	
1/4	127	1/4	864	1/4	1,763	1/4	2,673	1/4	3,457	1/4		1/4		1/4		1/4		1/4	
1/2	139	1/2	882	1/2	1,782	1/2	2,691	1/2	3,471	1/2		1/2		1/2		1/2		1/2	
3/4	151	3/4	899	3/4	1,801	3/4	2,709	3/4	3,484	3/4		3/4		3/4		3/4		3/4	
4	163	4	917	4	1,820	4	2,727	4	3,497	4		4		4		4		4	
1/4	176	1/4	935	1/4	1,840	1/4	2,745	1/4	3,510	1/4		1/4		1/4		1/4		1/4	
1/2	189	1/2	953	1/2	1,859	1/2	2,763	1/2	3,523	1/2		1/2		1/2		1/2		1/2	
3/4	201	3/4	971	3/4	1,878	3/4	2,781	3/4	3,535	3/4		3/4		3/4		3/4		3/4	
5	214	5	989	5	1,897	5	2,799	5	3,548	5		5		5		5		5	
1/4	228	1/4	1,007	1/4	1,917	1/4	2,817	1/4	3,560	1/4		1/4		1/4		1/4		1/4	
1/2	241	1/2	1,026	1/2	1,936	1/2	2,835	1/2	3,572	1/2		1/2		1/2		1/2		1/2	
3/4	255	3/4	1,044	3/4	1,955	3/4	2,852	3/4	3,584	3/4		3/4		3/4		3/4		3/4	
6	269	6	1,062	6	1,975	6	2,870	6	3,595	6		6		6		6		6	
1/4	283	1/4	1,081	1/4	1,994	1/4	2,887	1/4	3,606	1/4		1/4		1/4		1/4		1/4	
1/2	297	1/2	1,099	1/2	2,013	1/2	2,905	1/2	3,617	1/2		1/2		1/2		1/2		1/2	
3/4	311	3/4	1,117	3/4	2,032	3/4	2,922	3/4	3,628	3/4		3/4		3/4		3/4		3/4	
7	325	7	1,136	7	2,052	7	2,940	7	3,639	7		7		7		7		7	
1/4	340	1/4	1,154	1/4	2,071	1/4	2,957	1/4	3,648	1/4		1/4		1/4		1/4		1/4	
1/2	355	1/2	1,173	1/2	2,090	1/2	2,974	1/2	3,657	1/2		1/2		1/2		1/2		1/2	
3/4	370	3/4	1,192	3/4	2,109	3/4	2,991	3/4	3,667	3/4		3/4		3/4		3/4		3/4	
8	385	8	1,210	8	2,128	8	3,008	8	3,676	8		8		8		8		8	
1/4	400	1/4	1,229	1/4	2,148	1/4	3,025	1/4	3,684	1/4		1/4		1/4		1/4		1/4	
1/2	415	1/2	1,248	1/2	2,167	1/2	3,042	1/2	3,691	1/2		1/2		1/2		1/2		1/2	
3/4	431	3/4	1,266	3/4	2,186	3/4	3,059	3/4	3,699	3/4		3/4		3/4		3/4		3/4	
9	446	9	1,285	9	2,205	9	3,076	9		9		9		9		9		9	
1/4	462	1/4	1,304	1/4	2,224	1/4	3,092	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	477	1/2	1,323	1/2	2,243	1/2	3,108	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	493	3/4	1,342	3/4	2,262	3/4	3,125	3/4		3/4		3/4		3/4		3/4		3/4	
10	509	10	1,361	10	2,281	10	3,141	10		10		10		10		10		10	
1/4	525	1/4	1,380	1/4	2,300	1/4	3,157	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	541	1/2	1,398	1/2	2,319	1/2	3,174	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	557	3/4	1,417	3/4	2,338	3/4	3,190	3/4		3/4		3/4		3/4		3/4		3/4	
11	573	11	1,436	11	2,357	11	3,206	11		11		11		11		11		11	
1/4	590	1/4	1,456	1/4	2,376	1/4	3,221	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	607	1/2	1,475	1/2	2,395	1/2	3,237	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	623	3/4	1,494	3/4	2,413	3/4	3,253	3/4		3/4		3/4		3/4		3/4		3/4	

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
CAPACITY TABLE IS SCALED FROM THE BOTTOM OF TANK

STRAPPED: 03/26/2015 CL  
CALCULATED: 03/27/2015 CL  
PRINTED: 03/27/2015 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2015

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "MM 306"

## STBD FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

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	640	0	1,513	0	2,432	0	3,268	0		0		0		0		0	
1/4	8	1/4	657	1/4	1,532	1/4	2,451	1/4	3,283	1/4		1/4		1/4		1/4		1/4	
1/2	16	1/2	673	1/2	1,551	1/2	2,470	1/2	3,299	1/2		1/2		1/2		1/2		1/2	
3/4	23	3/4	690	3/4	1,570	3/4	2,488	3/4	3,314	3/4		3/4		3/4		3/4		3/4	
1	31	1	707	1	1,589	1	2,507	1	3,329	1		1		1		1		1	
1/4	41	1/4	724	1/4	1,609	1/4	2,526	1/4	3,344	1/4		1/4		1/4		1/4		1/4	
1/2	51	1/2	742	1/2	1,628	1/2	2,544	1/2	3,358	1/2		1/2		1/2		1/2		1/2	
3/4	61	3/4	759	3/4	1,647	3/4	2,563	3/4	3,373	3/4		3/4		3/4		3/4		3/4	
2	70	2	776	2	1,666	2	2,581	2	3,388	2		2		2		2		2	
1/4	81	1/4	794	1/4	1,685	1/4	2,600	1/4	3,402	1/4		1/4		1/4		1/4		1/4	
1/2	92	1/2	811	1/2	1,705	1/2	2,618	1/2	3,416	1/2		1/2		1/2		1/2		1/2	
3/4	104	3/4	829	3/4	1,724	3/4	2,636	3/4	3,430	3/4		3/4		3/4		3/4		3/4	
3	115	3	846	3	1,743	3	2,655	3	3,444	3		3		3		3		3	
1/4	127	1/4	864	1/4	1,763	1/4	2,673	1/4	3,457	1/4		1/4		1/4		1/4		1/4	
1/2	139	1/2	882	1/2	1,782	1/2	2,691	1/2	3,471	1/2		1/2		1/2		1/2		1/2	
3/4	151	3/4	899	3/4	1,801	3/4	2,709	3/4	3,484	3/4		3/4		3/4		3/4		3/4	
4	163	4	917	4	1,820	4	2,727	4	3,497	4		4		4		4		4	
1/4	176	1/4	935	1/4	1,840	1/4	2,745	1/4	3,510	1/4		1/4		1/4		1/4		1/4	
1/2	189	1/2	953	1/2	1,859	1/2	2,763	1/2	3,523	1/2		1/2		1/2		1/2		1/2	
3/4	201	3/4	971	3/4	1,878	3/4	2,781	3/4	3,535	3/4		3/4		3/4		3/4		3/4	
5	214	5	989	5	1,897	5	2,799	5	3,548	5		5		5		5		5	
1/4	228	1/4	1,007	1/4	1,917	1/4	2,817	1/4	3,560	1/4		1/4		1/4		1/4		1/4	
1/2	241	1/2	1,026	1/2	1,936	1/2	2,835	1/2	3,572	1/2		1/2		1/2		1/2		1/2	
3/4	255	3/4	1,044	3/4	1,955	3/4	2,852	3/4	3,584	3/4		3/4		3/4		3/4		3/4	
6	269	6	1,062	6	1,975	6	2,870	6	3,595	6		6		6		6		6	
1/4	283	1/4	1,081	1/4	1,994	1/4	2,887	1/4	3,606	1/4		1/4		1/4		1/4		1/4	
1/2	297	1/2	1,099	1/2	2,013	1/2	2,905	1/2	3,617	1/2		1/2		1/2		1/2		1/2	
3/4	311	3/4	1,117	3/4	2,032	3/4	2,922	3/4	3,628	3/4		3/4		3/4		3/4		3/4	
7	325	7	1,136	7	2,052	7	2,940	7	3,639	7		7		7		7		7	
1/4	340	1/4	1,154	1/4	2,071	1/4	2,957	1/4	3,648	1/4		1/4		1/4		1/4		1/4	
1/2	355	1/2	1,173	1/2	2,090	1/2	2,974	1/2	3,657	1/2		1/2		1/2		1/2		1/2	
3/4	370	3/4	1,192	3/4	2,109	3/4	2,991	3/4	3,667	3/4		3/4		3/4		3/4		3/4	
8	385	8	1,210	8	2,128	8	3,008	8	3,676	8		8		8		8		8	
1/4	400	1/4	1,229	1/4	2,148	1/4	3,025	1/4	3,684	1/4		1/4		1/4		1/4		1/4	
1/2	415	1/2	1,248	1/2	2,167	1/2	3,042	1/2	3,691	1/2		1/2		1/2		1/2		1/2	
3/4	431	3/4	1,266	3/4	2,186	3/4	3,059	3/4	3,699	3/4		3/4		3/4		3/4		3/4	
9	446	9	1,285	9	2,205	9	3,076	9	3,708	9		9		9		9		9	
1/4	462	1/4	1,304	1/4	2,224	1/4	3,092	1/4	3,716	1/4		1/4		1/4		1/4		1/4	
1/2	477	1/2	1,323	1/2	2,243	1/2	3,108	1/2	3,724	1/2		1/2		1/2		1/2		1/2	
3/4	493	3/4	1,342	3/4	2,262	3/4	3,125	3/4	3,732	3/4		3/4		3/4		3/4		3/4	
10	509	10	1,361	10	2,281	10	3,141	10	3,740	10		10		10		10		10	
1/4	525	1/4	1,380	1/4	2,300	1/4	3,157	1/4	3,748	1/4		1/4		1/4		1/4		1/4	
1/2	541	1/2	1,398	1/2	2,319	1/2	3,174	1/2	3,756	1/2		1/2		1/2		1/2		1/2	
3/4	557	3/4	1,417	3/4	2,338	3/4	3,190	3/4	3,764	3/4		3/4		3/4		3/4		3/4	
11	573	11	1,436	11	2,357	11	3,206	11	3,772	11		11		11		11		11	
1/4	590	1/4	1,456	1/4	2,376	1/4	3,221	1/4	3,780	1/4		1/4		1/4		1/4		1/4	
1/2	607	1/2	1,475	1/2	2,395	1/2	3,237	1/2	3,788	1/2		1/2		1/2		1/2		1/2	
3/4	623	3/4	1,494	3/4	2,413	3/4	3,253	3/4	3,796	3/4		3/4		3/4		3/4		3/4	

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
CAPACITY TABLE IS SCALED FROM THE BOTTOM OF TANK

STRAPPED: 03/26/2015 CL  
CALCULATED: 03/27/2015 CL  
PRINTED: 03/27/2015 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2015

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "MM 306"

## INNAGE TRIM TABLE 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	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-4/8	00-4/8
1 STBD	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-4/8	00-4/8
2 PORT	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-2/8	00-2/8	- 00-3/8	00-3/8
2 STBD	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-2/8	00-2/8	- 00-3/8	00-3/8
3 PORT	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8
3 STBD	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8
4 PORT	- 01-1/4	01-1/4	- 02-3/8	02-3/8	- 03-5/8	03-5/8	- 04-6/8	04-6/8	- 06-0/8	06-0/8	- 07-1/8	07-1/8
4 STBD	- 01-1/4	01-1/4	- 02-3/8	02-3/8	- 03-5/8	03-5/8	- 04-6/8	04-6/8	- 06-0/8	06-0/8	- 07-1/8	07-1/8

(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 00-1/8"  
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED INNAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 237'-03"

March 26, 2015

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

<http://www.pmacorp.net>



# BARGE "MM 306"

## ULLAGE TRIM TABLE 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	00-0/8	- 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	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
3 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8
3 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8
4 PORT	01-1/4	- 01-1/4	02-1/4	- 02-1/4	03-3/8	- 03-3/8	04-1/2	- 04-1/2	05-3/4	- 05-3/4	06-7/8	- 06-7/8
4 STBD	01-1/4	- 01-1/4	02-1/4	- 02-1/4	03-3/8	- 03-3/8	04-1/2	- 04-1/2	05-3/4	- 05-3/4	06-7/8	- 06-7/8

(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 4 PORT IS - 02-1/4"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 4 PORT, THE TRIM CORRECTED ULLAGE IS 3'-09 3/4"

LENGTH BETWEEN DRAFT MARKS: 237'-03"

March 26, 2015

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

<http://www.pmacorp.net>



# BARGE "MM 306"

# 1 PORT 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		0	3,212.78	0	2,965.00	0	2,717.22	0	2,469.44	0	2,221.65	0	1,973.86	0	1,726.07	0	1,478.28
1/4		1/4	3,451.55	1/4	3,207.61	1/4	2,959.84	1/4	2,712.06	1/4	2,464.28	1/4	2,216.49	1/4	1,968.70	1/4	1,720.90	1/4	1,473.11
1/2		1/2	3,446.96	1/2	3,202.45	1/2	2,954.68	1/2	2,706.90	1/2	2,458.11	1/2	2,211.32	1/2	1,963.53	1/2	1,715.74	1/2	1,467.95
3/4		3/4	3,442.36	3/4	3,197.29	3/4	2,949.51	3/4	2,701.74	3/4	2,453.95	3/4	2,206.16	3/4	1,958.37	3/4	1,710.58	3/4	1,462.79
1		1	3,437.77	1	3,192.13	1	2,944.35	1	2,696.58	1	2,448.79	1	2,201.00	1	1,953.21	1	1,705.42	1	1,457.63
1/4		1/4	3,433.18	1/4	3,186.97	1/4	2,939.19	1/4	2,691.41	1/4	2,443.63	1/4	2,195.84	1/4	1,948.05	1/4	1,700.26	1/4	1,452.47
1/2		1/2	3,428.09	1/2	3,181.80	1/2	2,934.03	1/2	2,686.25	1/2	2,438.46	1/2	2,190.67	1/2	1,942.88	1/2	1,695.09	1/2	1,447.30
3/4		3/4	3,423.00	3/4	3,176.64	3/4	2,928.87	3/4	2,681.09	3/4	2,433.30	3/4	2,185.51	3/4	1,937.72	3/4	1,689.93	3/4	1,442.14
2		2	3,417.92	2	3,171.48	2	2,923.70	2	2,675.93	2	2,428.14	2	2,180.35	2	1,932.56	2	1,684.77	2	1,436.98
1/4		1/4	3,412.83	1/4	3,166.32	1/4	2,918.54	1/4	2,670.77	1/4	2,422.98	1/4	2,175.19	1/4	1,927.40	1/4	1,679.61	1/4	1,431.82
1/2		1/2	3,407.73	1/2	3,161.16	1/2	2,913.38	1/2	2,665.60	1/2	2,417.82	1/2	2,170.02	1/2	1,922.23	1/2	1,674.44	1/2	1,426.65
3/4		3/4	3,402.62	3/4	3,155.99	3/4	2,908.22	3/4	2,660.44	3/4	2,412.65	3/4	2,164.86	3/4	1,917.07	3/4	1,669.28	3/4	1,421.49
3		3	3,397.52	3	3,150.83	3	2,903.06	3	2,655.28	3	2,407.49	3	2,159.70	3	1,911.91	3	1,664.12	3	1,416.33
1/4		1/4	3,392.42	1/4	3,145.67	1/4	2,897.89	1/4	2,650.12	1/4	2,402.33	1/4	2,154.54	1/4	1,906.75	1/4	1,658.96	1/4	1,411.17
1/2		1/2	3,387.31	1/2	3,140.51	1/2	2,892.73	1/2	2,644.96	1/2	2,397.17	1/2	2,149.38	1/2	1,901.59	1/2	1,653.79	1/2	1,406.00
3/4		3/4	3,382.20	3/4	3,135.35	3/4	2,887.57	3/4	2,639.79	3/4	2,392.00	3/4	2,144.21	3/4	1,896.42	3/4	1,648.63	3/4	1,400.84
4		4	3,377.09	4	3,130.18	4	2,882.41	4	2,634.63	4	2,386.84	4	2,139.05	4	1,891.26	4	1,643.47	4	1,395.68
1/4		1/4	3,371.98	1/4	3,125.02	1/4	2,877.25	1/4	2,629.47	1/4	2,381.68	1/4	2,133.89	1/4	1,886.10	1/4	1,638.31	1/4	1,390.52
1/2		1/2	3,366.86	1/2	3,119.86	1/2	2,872.08	1/2	2,624.31	1/2	2,376.52	1/2	2,128.73	1/2	1,880.94	1/2	1,633.15	1/2	1,385.36
3/4		3/4	3,361.75	3/4	3,114.70	3/4	2,866.92	3/4	2,619.15	3/4	2,371.35	3/4	2,123.56	3/4	1,875.77	3/4	1,627.98	3/4	1,380.19
5		5	3,356.64	5	3,109.54	5	2,861.76	5	2,613.98	5	2,366.19	5	2,118.40	5	1,870.61	5	1,622.82	5	1,375.03
1/4		1/4	3,351.53	1/4	3,104.37	1/4	2,856.60	1/4	2,608.82	1/4	2,361.03	1/4	2,113.24	1/4	1,865.45	1/4	1,617.66	1/4	1,369.87
1/2		1/2	3,346.42	1/2	3,099.21	1/2	2,851.44	1/2	2,603.66	1/2	2,355.87	1/2	2,108.08	1/2	1,860.29	1/2	1,612.50	1/2	1,364.71
3/4		3/4	3,341.31	3/4	3,094.05	3/4	2,846.27	3/4	2,598.50	3/4	2,350.71	3/4	2,102.92	3/4	1,855.12	3/4	1,607.33	3/4	1,359.54
6		6	3,336.20	6	3,088.89	6	2,841.11	6	2,593.33	6	2,345.54	6	2,097.75	6	1,849.96	6	1,602.17	6	1,354.38
1/4		1/4	3,331.09	1/4	3,083.73	1/4	2,835.95	1/4	2,588.17	1/4	2,340.38	1/4	2,092.59	1/4	1,844.80	1/4	1,597.01	1/4	1,349.22
1/2		1/2	3,325.98	1/2	3,078.56	1/2	2,830.79	1/2	2,583.01	1/2	2,335.22	1/2	2,087.43	1/2	1,839.64	1/2	1,591.85	1/2	1,344.06
3/4		3/4	3,320.87	3/4	3,073.40	3/4	2,825.63	3/4	2,577.85	3/4	2,330.06	3/4	2,082.27	3/4	1,834.48	3/4	1,586.69	3/4	1,338.89
7		7	3,315.76	7	3,068.24	7	2,820.46	7	2,572.68	7	2,324.89	7	2,077.10	7	1,829.31	7	1,581.52	7	1,333.73
1/4		1/4	3,310.65	1/4	3,063.08	1/4	2,815.30	1/4	2,567.52	1/4	2,319.73	1/4	2,071.94	1/4	1,824.15	1/4	1,576.36	1/4	1,328.57
1/2		1/2	3,305.54	1/2	3,057.92	1/2	2,810.14	1/2	2,562.36	1/2	2,314.57	1/2	2,066.78	1/2	1,818.99	1/2	1,571.20	1/2	1,323.41
3/4		3/4	3,300.43	3/4	3,052.75	3/4	2,804.98	3/4	2,557.20	3/4	2,309.41	3/4	2,061.62	3/4	1,813.83	3/4	1,566.04	3/4	1,318.25
8		8	3,295.32	8	3,047.59	8	2,799.82	8	2,552.04	8	2,304.24	8	2,056.45	8	1,808.66	8	1,560.87	8	1,313.08
1/4		1/4	3,290.21	1/4	3,042.43	1/4	2,794.65	1/4	2,546.87	1/4	2,299.08	1/4	2,051.29	1/4	1,803.50	1/4	1,555.71	1/4	1,307.92
1/2		1/2	3,285.04	1/2	3,037.27	1/2	2,789.49	1/2	2,541.71	1/2	2,293.92	1/2	2,046.13	1/2	1,798.34	1/2	1,550.55	1/2	1,302.76
3/4		3/4	3,279.88	3/4	3,032.11	3/4	2,784.33	3/4	2,536.55	3/4	2,288.76	3/4	2,040.97	3/4	1,793.18	3/4	1,545.39	3/4	1,297.60
9		9	3,274.72	9	3,026.94	9	2,779.17	9	2,531.39	9	2,283.60	9	2,035.81	9	1,788.01	9	1,540.22	9	1,292.43
1/4		1/4	3,269.56	1/4	3,021.78	1/4	2,774.01	1/4	2,526.22	1/4	2,278.43	1/4	2,030.64	1/4	1,782.85	1/4	1,535.06	1/4	1,287.27
1/2		1/2	3,264.40	1/2	3,016.62	1/2	2,768.84	1/2	2,521.06	1/2	2,273.27	1/2	2,025.48	1/2	1,777.69	1/2	1,529.90	1/2	1,282.11
3/4		3/4	3,259.23	3/4	3,011.46	3/4	2,763.68	3/4	2,515.90	3/4	2,268.11	3/4	2,020.32	3/4	1,772.53	3/4	1,524.74	3/4	1,276.95
10		10	3,254.07	10	3,006.30	10	2,758.52	10	2,510.74	10	2,262.95	10	2,015.16	10	1,767.37	10	1,519.58	10	1,271.78
1/4		1/4	3,248.91	1/4	3,001.13	1/4	2,753.36	1/4	2,505.57	1/4	2,257.78	1/4	2,009.99	1/4	1,762.20	1/4	1,514.41	1/4	1,266.62
1/2		1/2	3,243.75	1/2	2,995.97	1/2	2,748.20	1/2	2,500.41	1/2	2,252.62	1/2	2,004.83	1/2	1,757.04	1/2	1,509.25	1/2	1,261.46
3/4		3/4	3,238.59	3/4	2,990.81	3/4	2,743.03	3/4	2,495.25	3/4	2,247.46	3/4	1,999.67	3/4	1,751.88	3/4	1,504.09	3/4	1,256.30
11		11	3,233.42	11	2,985.65	11	2,737.87	11	2,490.09	11	2,242.30	11	1,994.51	11	1,746.72	11	1,498.93	11	1,251.14
1/4		1/4	3,228.26	1/4	2,980.49	1/4	2,732.71	1/4	2,484.93	1/4	2,237.13	1/4	1,989.34	1/4	1,741.55	1/4	1,493.76	1/4	1,245.97
1/2		1/2	3,223.10	1/2	2,975.32	1/2	2,727.55	1/2	2,479.76	1/2	2,231.97	1/2	1,984.18	1/2	1,736.39	1/2	1,488.60	1/2	1,240.81
3/4		3/4	3,217.94	3/4	2,970.16	3/4	2,722.39	3/4	2,474.60	3/4	2,226.81	3/4	1,979.02	3/4	1,731.23	3/4	1,483.44	3/4	1,235.65

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES.

GAUGE POINT: (HERMETIC - 2" VALVE) LOCATED 12'-09" OFF CENTERLINE AND 29'-09" FORWARD OF AFT BULKHEAD.

GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 31'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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Pearland, Texas 77588

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# BARGE "MM 306"

## 1 PORT 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	1,230.49	0	983.09	0	735.41	0	489.42	0	243.97	0	40.33	0		0		0		0	
1/4	1,225.32	1/4	977.93	1/4	730.28	1/4	484.26	1/4	239.10	1/4	36.74	1/4		1/4		1/4		1/4	
1/2	1,220.16	1/2	972.77	1/2	725.16	1/2	479.10	1/2	234.33	1/2	33.73	1/2		1/2		1/2		1/2	
3/4	1,215.00	3/4	967.60	3/4	720.03	3/4	473.94	3/4	229.56	3/4	30.72	3/4		3/4		3/4		3/4	
1	1,209.84	1	962.44	1	714.90	1	468.78	1	224.79	1	27.71	1		1		1		1	
1/4	1,204.67	1/4	957.28	1/4	709.78	1/4	463.61	1/4	220.02	1/4	24.70	1/4		1/4		1/4		1/4	
1/2	1,199.51	1/2	952.12	1/2	704.65	1/2	458.45	1/2	215.34	1/2	22.81	1/2		1/2		1/2		1/2	
3/4	1,194.35	3/4	946.96	3/4	699.53	3/4	453.29	3/4	210.66	3/4	20.92	3/4		3/4		3/4		3/4	
2	1,189.19	2	941.79	2	694.40	2	448.13	2	205.98	2	19.04	2		2		2		2	
1/4	1,184.03	1/4	936.63	1/4	689.27	1/4	442.97	1/4	201.30	1/4	17.15	1/4		1/4		1/4		1/4	
1/2	1,178.86	1/2	931.47	1/2	684.15	1/2	437.80	1/2	196.71	1/2		1/2		1/2		1/2		1/2	
3/4	1,173.70	3/4	926.31	3/4	679.02	3/4	432.64	3/4	192.12	3/4		3/4		3/4		3/4		3/4	
3	1,168.54	3	921.14	3	673.90	3	427.48	3	187.54	3		3		3		3		3	
1/4	1,163.38	1/4	915.98	1/4	668.77	1/4	422.32	1/4	182.95	1/4		1/4		1/4		1/4		1/4	
1/2	1,158.24	1/2	910.82	1/2	663.65	1/2	417.16	1/2	178.45	1/2		1/2		1/2		1/2		1/2	
3/4	1,153.10	3/4	905.66	3/4	658.53	3/4	411.99	3/4	173.96	3/4		3/4		3/4		3/4		3/4	
4	1,147.96	4	900.49	4	653.41	4	406.83	4	169.46	4		4		4		4		4	
1/4	1,142.83	1/4	895.33	1/4	648.29	1/4	401.67	1/4	164.97	1/4		1/4		1/4		1/4		1/4	
1/2	1,137.69	1/2	890.17	1/2	643.17	1/2	396.51	1/2	160.56	1/2		1/2		1/2		1/2		1/2	
3/4	1,132.55	3/4	885.01	3/4	638.05	3/4	391.34	3/4	156.16	3/4		3/4		3/4		3/4		3/4	
5	1,127.41	5	879.85	5	632.93	5	386.18	5	151.76	5		5		5		5		5	
1/4	1,122.28	1/4	874.68	1/4	627.81	1/4	381.02	1/4	147.35	1/4		1/4		1/4		1/4		1/4	
1/2	1,117.14	1/2	869.52	1/2	622.68	1/2	375.86	1/2	143.04	1/2		1/2		1/2		1/2		1/2	
3/4	1,112.00	3/4	864.36	3/4	617.56	3/4	370.70	3/4	138.73	3/4		3/4		3/4		3/4		3/4	
6	1,106.86	6	859.20	6	612.44	6	365.53	6	134.42	6		6		6		6		6	
1/4	1,101.73	1/4	854.03	1/4	607.32	1/4	360.37	1/4	130.11	1/4		1/4		1/4		1/4		1/4	
1/2	1,096.59	1/2	848.87	1/2	602.20	1/2	355.21	1/2	125.89	1/2		1/2		1/2		1/2		1/2	
3/4	1,091.45	3/4	843.71	3/4	597.08	3/4	350.05	3/4	121.67	3/4		3/4		3/4		3/4		3/4	
7	1,086.31	7	838.55	7	591.96	7	344.89	7	117.45	7		7		7		7		7	
1/4	1,081.17	1/4	833.38	1/4	586.84	1/4	339.72	1/4	113.23	1/4		1/4		1/4		1/4		1/4	
1/2	1,076.01	1/2	828.22	1/2	581.72	1/2	334.56	1/2	109.10	1/2		1/2		1/2		1/2		1/2	
3/4	1,070.85	3/4	823.06	3/4	576.60	3/4	329.40	3/4	104.97	3/4		3/4		3/4		3/4		3/4	
8	1,065.69	8	817.90	8	571.48	8	324.24	8	100.85	8		8		8		8		8	
1/4	1,060.53	1/4	812.74	1/4	566.36	1/4	319.08	1/4	96.72	1/4		1/4		1/4		1/4		1/4	
1/2	1,055.36	1/2	807.57	1/2	561.24	1/2	313.95	1/2	92.82	1/2		1/2		1/2		1/2		1/2	
3/4	1,050.20	3/4	802.41	3/4	556.12	3/4	308.82	3/4	88.93	3/4		3/4		3/4		3/4		3/4	
9	1,045.04	9	797.25	9	551.00	9	303.69	9	85.03	9		9		9		9		9	
1/4	1,039.88	1/4	792.09	1/4	545.88	1/4	298.56	1/4	81.13	1/4		1/4		1/4		1/4		1/4	
1/2	1,034.71	1/2	786.92	1/2	540.76	1/2	293.52	1/2	77.33	1/2		1/2		1/2		1/2		1/2	
3/4	1,029.55	3/4	781.76	3/4	535.63	3/4	288.47	3/4	73.53	3/4		3/4		3/4		3/4		3/4	
10	1,024.39	10	776.60	10	530.51	10	283.42	10	69.73	10		10		10		10		10	
1/4	1,019.23	1/4	771.44	1/4	525.39	1/4	278.38	1/4	65.93	1/4		1/4		1/4		1/4		1/4	
1/2	1,014.06	1/2	766.27	1/2	520.27	1/2	273.42	1/2	62.22	1/2		1/2		1/2		1/2		1/2	
3/4	1,008.90	3/4	761.11	3/4	515.15	3/4	268.47	3/4	58.52	3/4		3/4		3/4		3/4		3/4	
11	1,003.74	11	755.95	11	510.03	11	263.51	11	54.82	11		11		11		11		11	
1/4	998.58	1/4	750.79	1/4	504.91	1/4	258.56	1/4	51.11	1/4		1/4		1/4		1/4		1/4	
1/2	993.42	1/2	745.66	1/2	499.75	1/2	253.69	1/2	47.52	1/2		1/2		1/2		1/2		1/2	
3/4	988.25	3/4	740.54	3/4	494.59	3/4	248.83	3/4	43.92	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/26/2015 CL  
CALCULATED: 03/26/2015 CL  
PRINTED: 03/27/2015 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2015

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



# BARGE "MM 306"

## 1 STBD 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		0	3,218.62	0	2,970.94	0	2,723.25	0	2,475.56	0	2,227.85	0	1,980.15	0	1,732.44	0	1,484.74
1/4		1/4		1/4	3,213.46	1/4	2,965.78	1/4	2,718.09	1/4	2,470.39	1/4	2,222.69	1/4	1,974.99	1/4	1,727.28	1/4	1,479.58
1/2		1/2		1/2	3,452.15	1/2	3,208.30	1/2	2,960.62	1/2	2,712.93	1/2	2,465.23	1/2	2,217.53	1/2	1,969.83	1/2	1,474.42
3/4		3/4		3/4	3,447.56	3/4	3,203.14	3/4	2,955.46	3/4	2,707.77	3/4	2,460.07	3/4	2,212.37	3/4	1,964.67	3/4	1,469.26
1		1		1	3,442.97	1	3,197.98	1	2,950.30	1	2,702.61	1	2,454.91	1	2,207.21	1	1,959.51	1	1,711.80
1/4		1/4		1/4	3,438.37	1/4	3,192.82	1/4	2,945.14	1/4	2,697.45	1/4	2,449.75	1/4	2,202.05	1/4	1,954.34	1/4	1,706.64
1/2		1/2		1/2	3,433.78	1/2	3,187.66	1/2	2,939.98	1/2	2,692.29	1/2	2,444.59	1/2	2,196.89	1/2	1,949.18	1/2	1,701.48
3/4		3/4		3/4	3,428.70	3/4	3,182.50	3/4	2,934.82	3/4	2,687.13	3/4	2,439.43	3/4	2,191.73	3/4	1,944.02	3/4	1,696.32
2		2		2	3,423.61	2	3,177.34	2	2,929.66	2	2,681.97	2	2,434.27	2	2,186.57	2	1,938.86	2	1,691.16
1/4		1/4		1/4	3,418.53	1/4	3,172.18	1/4	2,924.50	1/4	2,676.81	1/4	2,429.11	1/4	2,181.41	1/4	1,933.70	1/4	1,686.00
1/2		1/2		1/2	3,413.44	1/2	3,167.02	1/2	2,919.34	1/2	2,671.65	1/2	2,423.95	1/2	2,176.25	1/2	1,928.54	1/2	1,680.84
3/4		3/4		3/4	3,408.34	3/4	3,161.86	3/4	2,914.18	3/4	2,666.49	3/4	2,418.79	3/4	2,171.09	3/4	1,923.38	3/4	1,675.68
3		3		3	3,403.24	3	3,156.70	3	2,909.02	3	2,661.33	3	2,413.63	3	2,165.93	3	1,918.22	3	1,670.52
1/4		1/4		1/4	3,398.14	1/4	3,151.54	1/4	2,903.86	1/4	2,656.17	1/4	2,408.47	1/4	2,160.76	1/4	1,913.06	1/4	1,665.36
1/2		1/2		1/2	3,393.04	1/2	3,146.38	1/2	2,898.70	1/2	2,651.01	1/2	2,403.31	1/2	2,155.60	1/2	1,907.90	1/2	1,660.20
3/4		3/4		3/4	3,387.93	3/4	3,141.22	3/4	2,893.54	3/4	2,645.85	3/4	2,398.15	3/4	2,150.44	3/4	1,902.74	3/4	1,655.04
4		4		4	3,382.82	4	3,136.06	4	2,888.38	4	2,640.69	4	2,392.99	4	2,145.28	4	1,897.58	4	1,649.88
1/4		1/4		1/4	3,377.71	1/4	3,130.90	1/4	2,883.22	1/4	2,635.53	1/4	2,387.83	1/4	2,140.12	1/4	1,892.42	1/4	1,644.71
1/2		1/2		1/2	3,372.61	1/2	3,125.74	1/2	2,878.06	1/2	2,630.37	1/2	2,382.67	1/2	2,134.96	1/2	1,887.26	1/2	1,639.55
3/4		3/4		3/4	3,367.50	3/4	3,120.58	3/4	2,872.90	3/4	2,625.21	3/4	2,377.51	3/4	2,129.80	3/4	1,882.10	3/4	1,634.39
5		5		5	3,362.39	5	3,115.42	5	2,867.74	5	2,620.05	5	2,372.35	5	2,124.64	5	1,876.94	5	1,629.23
1/4		1/4		1/4	3,357.28	1/4	3,110.26	1/4	2,862.57	1/4	2,614.89	1/4	2,367.18	1/4	2,119.48	1/4	1,871.78	1/4	1,624.07
1/2		1/2		1/2	3,352.17	1/2	3,105.10	1/2	2,857.41	1/2	2,609.73	1/2	2,362.02	1/2	2,114.32	1/2	1,866.62	1/2	1,618.91
3/4		3/4		3/4	3,347.06	3/4	3,099.94	3/4	2,852.25	3/4	2,604.57	3/4	2,356.86	3/4	2,109.16	3/4	1,861.46	3/4	1,613.75
6		6		6	3,341.95	6	3,094.78	6	2,847.09	6	2,599.41	6	2,351.70	6	2,104.00	6	1,856.30	6	1,608.59
1/4		1/4		1/4	3,336.84	1/4	3,089.62	1/4	2,841.93	1/4	2,594.25	1/4	2,346.54	1/4	2,098.84	1/4	1,851.13	1/4	1,603.43
1/2		1/2		1/2	3,331.74	1/2	3,084.46	1/2	2,836.77	1/2	2,589.09	1/2	2,341.38	1/2	2,093.68	1/2	1,845.97	1/2	1,598.27
3/4		3/4		3/4	3,326.63	3/4	3,079.30	3/4	2,831.61	3/4	2,583.93	3/4	2,336.22	3/4	2,088.52	3/4	1,840.81	3/4	1,593.11
7		7		7	3,321.52	7	3,074.14	7	2,826.45	7	2,578.77	7	2,331.06	7	2,083.36	7	1,835.65	7	1,587.95
1/4		1/4		1/4	3,316.41	1/4	3,068.98	1/4	2,821.29	1/4	2,573.60	1/4	2,325.90	1/4	2,078.20	1/4	1,830.49	1/4	1,582.79
1/2		1/2		1/2	3,311.30	1/2	3,063.82	1/2	2,816.13	1/2	2,568.44	1/2	2,320.74	1/2	2,073.04	1/2	1,825.33	1/2	1,577.63
3/4		3/4		3/4	3,306.19	3/4	3,058.66	3/4	2,810.97	3/4	2,563.28	3/4	2,315.58	3/4	2,067.88	3/4	1,820.17	3/4	1,572.47
8		8		8	3,301.08	8	3,053.50	8	2,805.81	8	2,558.12	8	2,310.42	8	2,062.72	8	1,815.01	8	1,567.31
1/4		1/4		1/4	3,295.97	1/4	3,048.34	1/4	2,800.65	1/4	2,552.96	1/4	2,305.26	1/4	2,057.55	1/4	1,809.85	1/4	1,562.15
1/2		1/2		1/2	3,290.86	1/2	3,043.18	1/2	2,795.49	1/2	2,547.80	1/2	2,300.10	1/2	2,052.39	1/2	1,804.69	1/2	1,556.99
3/4		3/4		3/4	3,285.70	3/4	3,038.02	3/4	2,790.33	3/4	2,542.64	3/4	2,294.94	3/4	2,047.23	3/4	1,799.53	3/4	1,551.83
9		9		9	3,280.54	9	3,032.86	9	2,785.17	9	2,537.48	9	2,289.78	9	2,042.07	9	1,794.37	9	1,546.67
1/4		1/4		1/4	3,275.38	1/4	3,027.70	1/4	2,780.01	1/4	2,532.32	1/4	2,284.62	1/4	2,036.91	1/4	1,789.21	1/4	1,541.50
1/2		1/2		1/2	3,270.22	1/2	3,022.54	1/2	2,774.85	1/2	2,527.16	1/2	2,279.46	1/2	2,031.75	1/2	1,784.05	1/2	1,536.34
3/4		3/4		3/4	3,265.06	3/4	3,017.38	3/4	2,769.69	3/4	2,522.00	3/4	2,274.30	3/4	2,026.59	3/4	1,778.89	3/4	1,531.18
10		10		10	3,259.90	10	3,012.22	10	2,764.53	10	2,516.84	10	2,269.14	10	2,021.43	10	1,773.73	10	1,526.02
1/4		1/4		1/4	3,254.74	1/4	3,007.06	1/4	2,759.37	1/4	2,511.68	1/4	2,263.97	1/4	2,016.27	1/4	1,768.57	1/4	1,520.86
1/2		1/2		1/2	3,249.58	1/2	3,001.90	1/2	2,754.21	1/2	2,506.52	1/2	2,258.81	1/2	2,011.11	1/2	1,763.41	1/2	1,515.70
3/4		3/4		3/4	3,244.42	3/4	2,996.74	3/4	2,749.05	3/4	2,501.36	3/4	2,253.65	3/4	2,005.95	3/4	1,758.25	3/4	1,510.54
11		11		11	3,239.26	11	2,991.58	11	2,743.89	11	2,496.20	11	2,248.49	11	2,000.79	11	1,753.09	11	1,505.38
1/4		1/4		1/4	3,234.10	1/4	2,986.42	1/4	2,738.73	1/4	2,491.04	1/4	2,243.33	1/4	1,995.63	1/4	1,747.92	1/4	1,500.22
1/2		1/2		1/2	3,228.94	1/2	2,981.26	1/2	2,733.57	1/2	2,485.88	1/2	2,238.17	1/2	1,990.47	1/2	1,742.76	1/2	1,495.06
3/4		3/4		3/4	3,223.78	3/4	2,976.10	3/4	2,728.41	3/4	2,480.72	3/4	2,233.01	3/4	1,985.31	3/4	1,737.60	3/4	1,489.90

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES.

GAUGE POINT: (HERMETIC - 2" VALVE) LOCATED 12'-09" OFF CENTERLINE AND 29'-09" FORWARD OF AFT BULKHEAD.

GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 31'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>





# BARGE "MM 306"

## 1 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	1,237.04	0	989.73	0	742.02	0	494.49	0	248.82	0	43.93	0		0		0		0	
1/4	1,231.87	1/4	984.57	1/4	736.86	1/4	489.33	1/4	243.96	1/4	40.33	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,226.71	1/2	979.41	1/2	731.70	1/2	484.17	1/2	239.09	1/2	36.74	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,221.55	3/4	974.25	3/4	726.54	3/4	479.01	3/4	234.32	3/4	33.73	3/4		3/4	3/4	3/4		3/4	3/4
1	1,216.39	1	969.09	1	721.38	1	473.85	1	229.55	1	30.72	1		1	1	1		1	1
1/4	1,211.23	1/4	963.93	1/4	716.22	1/4	468.69	1/4	224.78	1/4	27.70	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,206.07	1/2	958.77	1/2	711.06	1/2	463.53	1/2	220.01	1/2	24.69	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,200.91	3/4	953.60	3/4	705.90	3/4	458.37	3/4	215.34	3/4	22.80	3/4		3/4	3/4	3/4		3/4	3/4
2	1,195.75	2	948.44	2	700.74	2	453.21	2	210.66	2	20.92	2		2	2	2		2	2
1/4	1,190.59	1/4	943.28	1/4	695.58	1/4	448.05	1/4	205.98	1/4	19.03	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,185.43	1/2	938.12	1/2	690.42	1/2	442.89	1/2	201.30	1/2	17.14	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,180.27	3/4	932.96	3/4	685.26	3/4	437.73	3/4	196.71	3/4		3/4		3/4	3/4	3/4		3/4	3/4
3	1,175.11	3	927.80	3	680.10	3	432.57	3	192.13	3		3		3	3	3		3	3
1/4	1,169.95	1/4	922.64	1/4	674.94	1/4	427.41	1/4	187.54	1/4		1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,164.79	1/2	917.48	1/2	669.78	1/2	422.25	1/2	182.95	1/2		1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,159.65	3/4	912.32	3/4	664.62	3/4	417.09	3/4	178.46	3/4		3/4		3/4	3/4	3/4		3/4	3/4
4	1,154.52	4	907.16	4	659.47	4	411.93	4	173.96	4		4		4	4	4		4	4
1/4	1,149.38	1/4	902.00	1/4	654.31	1/4	406.77	1/4	169.47	1/4		1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,144.25	1/2	896.84	1/2	649.16	1/2	401.61	1/2	164.97	1/2		1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,139.11	3/4	891.68	3/4	644.00	3/4	396.45	3/4	160.57	3/4		3/4		3/4	3/4	3/4		3/4	3/4
5	1,133.97	5	886.52	5	638.85	5	391.29	5	156.17	5		5		5	5	5		5	5
1/4	1,128.84	1/4	881.36	1/4	633.69	1/4	386.13	1/4	151.77	1/4		1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,123.70	1/2	876.20	1/2	628.54	1/2	380.97	1/2	147.36	1/2		1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,118.57	3/4	871.04	3/4	623.38	3/4	375.81	3/4	143.05	3/4		3/4		3/4	3/4	3/4		3/4	3/4
6	1,113.43	6	865.88	6	618.23	6	370.65	6	138.74	6		6		6	6	6		6	6
1/4	1,108.30	1/4	860.72	1/4	613.07	1/4	365.49	1/4	134.43	1/4		1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,103.16	1/2	855.56	1/2	607.92	1/2	360.33	1/2	130.12	1/2		1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,098.02	3/4	850.39	3/4	602.76	3/4	355.17	3/4	125.90	3/4		3/4		3/4	3/4	3/4		3/4	3/4
7	1,092.89	7	845.23	7	597.61	7	350.01	7	121.68	7		7		7	7	7		7	7
1/4	1,087.75	1/4	840.07	1/4	592.45	1/4	344.84	1/4	117.46	1/4		1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,082.62	1/2	834.91	1/2	587.30	1/2	339.68	1/2	113.24	1/2		1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,077.46	3/4	829.75	3/4	582.14	3/4	334.52	3/4	109.11	3/4		3/4		3/4	3/4	3/4		3/4	3/4
8	1,072.30	8	824.59	8	576.99	8	329.36	8	104.98	8		8		8	8	8		8	8
1/4	1,067.14	1/4	819.43	1/4	571.83	1/4	324.20	1/4	100.86	1/4		1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,061.98	1/2	814.27	1/2	566.68	1/2	319.04	1/2	96.73	1/2		1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,056.81	3/4	809.11	3/4	561.52	3/4	313.92	3/4	92.83	3/4		3/4		3/4	3/4	3/4		3/4	3/4
9	1,051.65	9	803.95	9	556.37	9	308.79	9	88.94	9		9		9	9	9		9	9
1/4	1,046.49	1/4	798.79	1/4	551.21	1/4	303.67	1/4	85.04	1/4		1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,041.33	1/2	793.63	1/2	546.05	1/2	298.54	1/2	81.14	1/2		1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,036.17	3/4	788.47	3/4	540.90	3/4	293.49	3/4	77.34	3/4		3/4		3/4	3/4	3/4		3/4	3/4
10	1,031.01	10	783.31	10	535.74	10	288.45	10	73.54	10		10		10	10	10		10	10
1/4	1,025.85	1/4	778.15	1/4	530.59	1/4	283.40	1/4	69.74	1/4		1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,020.69	1/2	772.99	1/2	525.43	1/2	278.36	1/2	65.93	1/2		1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,015.53	3/4	767.83	3/4	520.28	3/4	273.40	3/4	62.23	3/4		3/4		3/4	3/4	3/4		3/4	3/4
11	1,010.37	11	762.67	11	515.12	11	268.45	11	58.52	11		11		11	11	11		11	11
1/4	1,005.21	1/4	757.51	1/4	509.97	1/4	263.50	1/4	54.82	1/4		1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,000.05	1/2	752.35	1/2	504.81	1/2	258.54	1/2	51.12	1/2		1/2		1/2	1/2	1/2		1/2	1/2
3/4	994.89	3/4	747.18	3/4	499.65	3/4	253.68	3/4	47.52	3/4		3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/26/2015 CL  
CALCULATED: 03/26/2015 CL  
PRINTED: 03/27/2015 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2015

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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<http://www.pmacorp.net>



# BARGE "MM 306"

## 2 PORT 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		0	3,985.13	0	3,682.43	0	3,379.74	0	3,077.04	0	2,774.34	0	2,471.64	0	2,168.93	0	1,866.23
1/4		1/4	4,276.82	1/4	3,978.82	1/4	3,676.13	1/4	3,373.43	1/4	3,070.73	1/4	2,768.03	1/4	2,465.33	1/4	2,162.63	1/4	1,859.92
1/2		1/2	4,271.21	1/2	3,972.51	1/2	3,669.82	1/2	3,367.13	1/2	3,064.43	1/2	2,761.73	1/2	2,459.02	1/2	2,156.32	1/2	1,853.62
3/4		3/4	4,265.60	3/4	3,966.21	3/4	3,663.51	3/4	3,360.82	3/4	3,058.12	3/4	2,755.42	3/4	2,452.72	3/4	2,150.01	3/4	1,847.31
1		1	4,259.99	1	3,959.90	1	3,657.21	1	3,354.52	1	3,051.82	1	2,749.11	1	2,446.41	1	2,143.71	1	1,841.01
1/4		1/4	4,254.37	1/4	3,953.59	1/4	3,650.90	1/4	3,348.21	1/4	3,045.51	1/4	2,742.81	1/4	2,440.10	1/4	2,137.40	1/4	1,834.70
1/2		1/2	4,248.16	1/2	3,947.29	1/2	3,644.60	1/2	3,341.90	1/2	3,039.20	1/2	2,736.50	1/2	2,433.80	1/2	2,131.10	1/2	1,828.39
3/4		3/4	4,241.95	3/4	3,940.98	3/4	3,638.29	3/4	3,335.60	3/4	3,032.90	3/4	2,730.19	3/4	2,427.49	3/4	2,124.79	3/4	1,822.09
2		2	4,235.73	2	3,934.68	2	3,631.98	2	3,329.29	2	3,026.59	2	2,723.89	2	2,421.19	2	2,118.48	2	1,815.78
1/4		1/4	4,229.52	1/4	3,928.37	1/4	3,625.68	1/4	3,322.98	1/4	3,020.28	1/4	2,717.58	1/4	2,414.88	1/4	2,112.18	1/4	1,809.47
1/2		1/2	4,223.29	1/2	3,922.06	1/2	3,619.37	1/2	3,316.68	1/2	3,013.98	1/2	2,711.28	1/2	2,408.57	1/2	2,105.87	1/2	1,803.17
3/4		3/4	4,217.05	3/4	3,915.76	3/4	3,613.07	3/4	3,310.37	3/4	3,007.67	3/4	2,704.97	3/4	2,402.27	3/4	2,099.56	3/4	1,796.86
3		3	4,210.82	3	3,909.45	3	3,606.76	3	3,304.07	3	3,001.37	3	2,698.66	3	2,395.96	3	2,093.26	3	1,790.56
1/4		1/4	4,204.58	1/4	3,903.15	1/4	3,600.45	1/4	3,297.76	1/4	2,995.06	1/4	2,692.36	1/4	2,389.65	1/4	2,086.95	1/4	1,784.25
1/2		1/2	4,198.34	1/2	3,896.84	1/2	3,594.15	1/2	3,291.45	1/2	2,988.75	1/2	2,686.05	1/2	2,383.35	1/2	2,080.65	1/2	1,777.94
3/4		3/4	4,192.09	3/4	3,890.53	3/4	3,587.84	3/4	3,285.15	3/4	2,982.45	3/4	2,679.74	3/4	2,377.04	3/4	2,074.34	3/4	1,771.64
4		4	4,185.85	4	3,884.23	4	3,581.53	4	3,278.84	4	2,976.14	4	2,673.44	4	2,370.74	4	2,068.03	4	1,765.33
1/4		1/4	4,179.61	1/4	3,877.92	1/4	3,575.23	1/4	3,272.54	1/4	2,969.83	1/4	2,667.13	1/4	2,364.43	1/4	2,061.73	1/4	1,759.02
1/2		1/2	4,173.36	1/2	3,871.62	1/2	3,568.92	1/2	3,266.23	1/2	2,963.53	1/2	2,660.82	1/2	2,358.12	1/2	2,055.42	1/2	1,752.72
3/4		3/4	4,167.12	3/4	3,865.31	3/4	3,562.62	3/4	3,259.92	3/4	2,957.22	3/4	2,654.52	3/4	2,351.82	3/4	2,049.11	3/4	1,746.41
5		5	4,160.88	5	3,859.00	5	3,556.31	5	3,253.62	5	2,950.91	5	2,648.21	5	2,345.51	5	2,042.81	5	1,740.11
1/4		1/4	4,154.63	1/4	3,852.70	1/4	3,550.00	1/4	3,247.31	1/4	2,944.61	1/4	2,641.91	1/4	2,339.20	1/4	2,036.50	1/4	1,733.80
1/2		1/2	4,148.39	1/2	3,846.39	1/2	3,543.70	1/2	3,241.00	1/2	2,938.30	1/2	2,635.60	1/2	2,332.90	1/2	2,030.19	1/2	1,727.49
3/4		3/4	4,142.15	3/4	3,840.09	3/4	3,537.39	3/4	3,234.70	3/4	2,932.00	3/4	2,629.29	3/4	2,326.59	3/4	2,023.89	3/4	1,721.19
6		6	4,135.90	6	3,833.78	6	3,531.09	6	3,228.39	6	2,925.69	6	2,622.99	6	2,320.28	6	2,017.58	6	1,714.88
1/4		1/4	4,129.66	1/4	3,827.47	1/4	3,524.78	1/4	3,222.09	1/4	2,919.38	1/4	2,616.68	1/4	2,313.98	1/4	2,011.28	1/4	1,708.57
1/2		1/2	4,123.42	1/2	3,821.17	1/2	3,518.47	1/2	3,215.78	1/2	2,913.08	1/2	2,610.37	1/2	2,307.67	1/2	2,004.97	1/2	1,702.27
3/4		3/4	4,117.18	3/4	3,814.86	3/4	3,512.17	3/4	3,209.47	3/4	2,906.77	3/4	2,604.07	3/4	2,301.37	3/4	1,998.66	3/4	1,695.96
7		7	4,110.93	7	3,808.55	7	3,505.86	7	3,203.17	7	2,900.46	7	2,597.76	7	2,295.06	7	1,992.36	7	1,689.65
1/4		1/4	4,104.69	1/4	3,802.25	1/4	3,499.56	1/4	3,196.86	1/4	2,894.16	1/4	2,591.46	1/4	2,288.75	1/4	1,986.05	1/4	1,683.35
1/2		1/2	4,098.45	1/2	3,795.94	1/2	3,493.25	1/2	3,190.55	1/2	2,887.85	1/2	2,585.15	1/2	2,282.45	1/2	1,979.74	1/2	1,677.04
3/4		3/4	4,092.20	3/4	3,789.64	3/4	3,486.94	3/4	3,184.25	3/4	2,881.55	3/4	2,578.84	3/4	2,276.14	3/4	1,973.44	3/4	1,670.74
8		8	4,085.96	8	3,783.33	8	3,480.64	8	3,177.94	8	2,875.24	8	2,572.54	8	2,269.83	8	1,967.13	8	1,664.43
1/4		1/4	4,079.72	1/4	3,777.02	1/4	3,474.33	1/4	3,171.64	1/4	2,868.93	1/4	2,566.23	1/4	2,263.53	1/4	1,960.83	1/4	1,658.12
1/2		1/2	4,073.41	1/2	3,770.72	1/2	3,468.03	1/2	3,165.33	1/2	2,862.63	1/2	2,559.92	1/2	2,257.22	1/2	1,954.52	1/2	1,651.82
3/4		3/4	4,067.10	3/4	3,764.41	3/4	3,461.72	3/4	3,159.02	3/4	2,856.32	3/4	2,553.62	3/4	2,250.92	3/4	1,948.21	3/4	1,645.51
9		9	4,060.80	9	3,758.11	9	3,455.41	9	3,152.72	9	2,850.01	9	2,547.31	9	2,244.61	9	1,941.91	9	1,639.20
1/4		1/4	4,054.49	1/4	3,751.80	1/4	3,449.11	1/4	3,146.41	1/4	2,843.71	1/4	2,541.01	1/4	2,238.30	1/4	1,935.60	1/4	1,632.90
1/2		1/2	4,048.19	1/2	3,745.49	1/2	3,442.80	1/2	3,140.10	1/2	2,837.40	1/2	2,534.70	1/2	2,232.00	1/2	1,929.29	1/2	1,626.59
3/4		3/4	4,041.88	3/4	3,739.19	3/4	3,436.49	3/4	3,133.80	3/4	2,831.10	3/4	2,528.39	3/4	2,225.69	3/4	1,922.99	3/4	1,620.29
10		10	4,035.57	10	3,732.88	10	3,430.19	10	3,127.49	10	2,824.79	10	2,522.09	10	2,219.38	10	1,916.68	10	1,613.98
1/4		1/4	4,029.27	1/4	3,726.58	1/4	3,423.88	1/4	3,121.18	1/4	2,818.48	1/4	2,515.78	1/4	2,213.08	1/4	1,910.38	1/4	1,607.67
1/2		1/2	4,022.96	1/2	3,720.27	1/2	3,417.58	1/2	3,114.88	1/2	2,812.18	1/2	2,509.47	1/2	2,206.77	1/2	1,904.07	1/2	1,601.37
3/4		3/4	4,016.66	3/4	3,713.96	3/4	3,411.27	3/4	3,108.57	3/4	2,805.87	3/4	2,503.17	3/4	2,200.47	3/4	1,897.76	3/4	1,595.06
11		11	4,010.35	11	3,707.66	11	3,404.96	11	3,102.27	11	2,799.56	11	2,496.86	11	2,194.16	11	1,891.46	11	1,588.75
1/4		1/4	4,004.04	1/4	3,701.35	1/4	3,398.66	1/4	3,095.96	1/4	2,793.26	1/4	2,490.55	1/4	2,187.85	1/4	1,885.15	1/4	1,582.45
1/2		1/2	3,997.74	1/2	3,695.04	1/2	3,392.35	1/2	3,089.65	1/2	2,786.95	1/2	2,484.25	1/2	2,181.55	1/2	1,878.84	1/2	1,576.14
3/4		3/4	3,991.43	3/4	3,688.74	3/4	3,386.05	3/4	3,083.35	3/4	2,780.64	3/4	2,477.94	3/4	2,175.24	3/4	1,872.54	3/4	1,569.84

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES.

GAUGE POINT: (HERMETIC - 2" VALVE) LOCATED 12'-09" OFF CENTERLINE AND 36'-00" FORWARD OF AFT BULKHEAD.

GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 37'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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Pearland, Texas 77588

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# BARGE "MM 306"

## 2 PORT 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	1,563.53	0	1,262.41	0	960.54	0	670.51	0	367.82	0	67.83	0		0		0		0	
1/4	1,557.22	1/4	1,256.10	1/4	954.51	1/4	664.21	1/4	361.52	1/4	61.73	1/4		1/4		1/4		1/4	
1/2	1,550.92	1/2	1,249.79	1/2	948.48	1/2	657.90	1/2	355.21	1/2	56.22	1/2		1/2		1/2		1/2	
3/4	1,544.61	3/4	1,243.49	3/4	942.45	3/4	651.60	3/4	348.90	3/4	50.72	3/4		3/4		3/4		3/4	
1	1,538.30	1	1,237.18	1	936.42	1	645.29	1	342.60	1	45.22	1		1		1		1	
1/4	1,532.00	1/4	1,230.88	1/4	930.40	1/4	638.98	1/4	336.29	1/4	39.72	1/4		1/4		1/4		1/4	
1/2	1,525.69	1/2	1,224.57	1/2	924.37	1/2	632.68	1/2	329.99	1/2	35.47	1/2		1/2		1/2		1/2	
3/4	1,519.38	3/4	1,218.26	3/4	918.34	3/4	626.37	3/4	323.68	3/4	31.23	3/4		3/4		3/4		3/4	
2	1,513.08	2	1,211.96	2	912.31	2	620.07	2	317.37	2	26.99	2		2		2		2	
1/4	1,506.77	1/4	1,205.65	1/4	906.28	1/4	613.76	1/4	311.07	1/4	22.75	1/4		1/4		1/4		1/4	
1/2	1,500.47	1/2	1,199.34	1/2	900.25	1/2	607.45	1/2	304.76	1/2		1/2		1/2		1/2		1/2	
3/4	1,494.16	3/4	1,193.04	3/4	894.23	3/4	601.15	3/4	298.45	3/4		3/4		3/4		3/4		3/4	
3	1,487.85	3	1,186.73	3	888.20	3	594.84	3	292.15	3		3		3		3		3	
1/4	1,481.55	1/4	1,180.43	1/4	882.17	1/4	588.54	1/4	285.84	1/4		1/4		1/4		1/4		1/4	
1/2	1,475.34	1/2	1,174.12	1/2	876.15	1/2	582.23	1/2	279.54	1/2		1/2		1/2		1/2		1/2	
3/4	1,469.13	3/4	1,167.81	3/4	870.12	3/4	575.92	3/4	273.23	3/4		3/4		3/4		3/4		3/4	
4	1,462.92	4	1,161.51	4	864.10	4	569.62	4	266.92	4		4		4		4		4	
1/4	1,456.72	1/4	1,155.20	1/4	858.08	1/4	563.31	1/4	260.62	1/4		1/4		1/4		1/4		1/4	
1/2	1,450.51	1/2	1,148.89	1/2	852.05	1/2	557.01	1/2	254.31	1/2		1/2		1/2		1/2		1/2	
3/4	1,444.30	3/4	1,142.59	3/4	846.03	3/4	550.70	3/4	248.01	3/4		3/4		3/4		3/4		3/4	
5	1,438.09	5	1,136.28	5	840.01	5	544.39	5	241.70	5		5		5		5		5	
1/4	1,431.89	1/4	1,129.97	1/4	833.99	1/4	538.09	1/4	235.39	1/4		1/4		1/4		1/4		1/4	
1/2	1,425.68	1/2	1,123.67	1/2	827.96	1/2	531.78	1/2	229.09	1/2		1/2		1/2		1/2		1/2	
3/4	1,419.47	3/4	1,117.36	3/4	821.94	3/4	525.47	3/4	222.78	3/4		3/4		3/4		3/4		3/4	
6	1,413.26	6	1,111.06	6	815.92	6	519.17	6	216.48	6		6		6		6		6	
1/4	1,407.06	1/4	1,104.75	1/4	809.89	1/4	512.86	1/4	210.17	1/4		1/4		1/4		1/4		1/4	
1/2	1,400.85	1/2	1,098.44	1/2	803.87	1/2	506.56	1/2	203.86	1/2		1/2		1/2		1/2		1/2	
3/4	1,394.64	3/4	1,092.14	3/4	797.85	3/4	500.25	3/4	197.56	3/4		3/4		3/4		3/4		3/4	
7	1,388.43	7	1,085.83	7	791.82	7	493.94	7	191.25	7		7		7		7		7	
1/4	1,382.23	1/4	1,079.52	1/4	785.80	1/4	487.64	1/4	184.95	1/4		1/4		1/4		1/4		1/4	
1/2	1,375.92	1/2	1,073.22	1/2	779.78	1/2	481.33	1/2	178.64	1/2		1/2		1/2		1/2		1/2	
3/4	1,369.61	3/4	1,066.91	3/4	773.76	3/4	475.03	3/4	172.33	3/4		3/4		3/4		3/4		3/4	
8	1,363.31	8	1,060.61	8	767.73	8	468.72	8	166.03	8		8		8		8		8	
1/4	1,357.00	1/4	1,054.30	1/4	761.71	1/4	462.41	1/4	159.72	1/4		1/4		1/4		1/4		1/4	
1/2	1,350.70	1/2	1,047.99	1/2	755.69	1/2	456.11	1/2	153.59	1/2		1/2		1/2		1/2		1/2	
3/4	1,344.39	3/4	1,041.69	3/4	749.66	3/4	449.80	3/4	147.45	3/4		3/4		3/4		3/4		3/4	
9	1,338.08	9	1,035.38	9	743.64	9	443.50	9	141.31	9		9		9		9		9	
1/4	1,331.78	1/4	1,029.07	1/4	737.62	1/4	437.19	1/4	135.18	1/4		1/4		1/4		1/4		1/4	
1/2	1,325.47	1/2	1,022.77	1/2	731.59	1/2	430.88	1/2	129.04	1/2		1/2		1/2		1/2		1/2	
3/4	1,319.16	3/4	1,016.46	3/4	725.57	3/4	424.58	3/4	122.91	3/4		3/4		3/4		3/4		3/4	
10	1,312.86	10	1,010.16	10	719.55	10	418.27	10	116.78	10		10		10		10		10	
1/4	1,306.55	1/4	1,003.85	1/4	713.53	1/4	411.96	1/4	110.65	1/4		1/4		1/4		1/4		1/4	
1/2	1,300.24	1/2	997.54	1/2	707.50	1/2	405.66	1/2	104.52	1/2		1/2		1/2		1/2		1/2	
3/4	1,293.94	3/4	991.24	3/4	701.48	3/4	399.35	3/4	98.39	3/4		3/4		3/4		3/4		3/4	
11	1,287.63	11	984.93	11	695.46	11	393.05	11	92.27	11		11		11		11		11	
1/4	1,281.33	1/4	978.62	1/4	689.43	1/4	386.74	1/4	86.14	1/4		1/4		1/4		1/4		1/4	
1/2	1,275.02	1/2	972.60	1/2	683.13	1/2	380.43	1/2	80.04	1/2		1/2		1/2		1/2		1/2	
3/4	1,268.71	3/4	966.57	3/4	676.82	3/4	374.13	3/4	73.94	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/26/2015 CL  
CALCULATED: 03/26/2015 CL  
PRINTED: 03/27/2015 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2015

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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<http://www.pmacorp.net>



# BARGE "MM 306"

## 2 STBD 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		0	4,007.65	0	3,704.75	0	3,401.85	0	3,098.94	0	2,796.01	0	2,493.09	0	2,190.17	0	1,887.24
1/4		1/4		1/4	4,001.34	1/4	3,698.44	1/4	3,395.54	1/4	3,092.63	1/4	2,789.70	1/4	2,486.78	1/4	2,183.86	1/4	1,880.93
1/2		1/2		1/2	4,293.24	1/2	3,995.03	1/2	3,389.23	1/2	3,086.31	1/2	2,783.39	1/2	2,480.47	1/2	2,177.54	1/2	1,874.62
3/4		3/4		3/4	4,287.62	3/4	3,988.72	3/4	3,382.92	3/4	3,080.00	3/4	2,777.08	3/4	2,474.16	3/4	2,171.23	3/4	1,868.31
1		1		1	4,282.01	1	3,982.41	1	3,376.61	1	3,073.69	1	2,770.77	1	2,467.85	1	2,164.92	1	1,862.00
1/4		1/4		1/4	4,276.39	1/4	3,976.10	1/4	3,370.30	1/4	3,067.38	1/4	2,764.46	1/4	2,461.54	1/4	2,158.61	1/4	1,855.69
1/2		1/2		1/2	4,270.78	1/2	3,969.79	1/2	3,366.89	1/2	3,061.07	1/2	2,758.15	1/2	2,455.22	1/2	2,152.30	1/2	1,849.38
3/4		3/4		3/4	4,264.56	3/4	3,963.48	3/4	3,360.58	3/4	3,357.68	3/4	3,054.76	3/4	2,751.84	3/4	2,448.91	3/4	1,843.07
2		2		2	4,258.34	2	3,957.17	2	3,351.37	2	3,048.45	2	2,745.53	2	2,442.60	2	2,139.68	2	1,836.76
1/4		1/4		1/4	4,252.12	1/4	3,950.86	1/4	3,345.06	1/4	3,042.14	1/4	2,739.21	1/4	2,436.29	1/4	2,133.37	1/4	1,830.45
1/2		1/2		1/2	4,245.91	1/2	3,944.54	1/2	3,338.75	1/2	3,035.83	1/2	2,732.90	1/2	2,429.98	1/2	2,127.06	1/2	1,824.13
3/4		3/4		3/4	4,239.67	3/4	3,938.23	3/4	3,332.44	3/4	3,029.52	3/4	2,726.59	3/4	2,423.67	3/4	2,120.75	3/4	1,817.82
3		3		3	4,233.43	3	3,931.92	3	3,326.13	3	3,023.21	3	2,720.28	3	2,417.36	3	2,114.44	3	1,811.51
1/4		1/4		1/4	4,227.19	1/4	3,925.61	1/4	3,322.71	1/4	3,016.89	1/4	2,713.97	1/4	2,411.05	1/4	2,108.12	1/4	1,805.20
1/2		1/2		1/2	4,220.95	1/2	3,919.30	1/2	3,313.50	1/2	3,010.58	1/2	2,707.66	1/2	2,404.74	1/2	2,101.81	1/2	1,798.89
3/4		3/4		3/4	4,214.70	3/4	3,912.99	3/4	3,307.19	3/4	3,004.27	3/4	2,701.35	3/4	2,398.43	3/4	2,095.50	3/4	1,792.58
4		4		4	4,208.46	4	3,906.68	4	3,300.88	4	2,997.96	4	2,695.04	4	2,392.12	4	2,089.19	4	1,786.27
1/4		1/4		1/4	4,202.21	1/4	3,900.37	1/4	3,294.57	1/4	2,991.65	1/4	2,688.73	1/4	2,385.80	1/4	2,082.88	1/4	1,779.96
1/2		1/2		1/2	4,195.96	1/2	3,894.06	1/2	3,288.26	1/2	2,985.34	1/2	2,682.42	1/2	2,379.49	1/2	2,076.57	1/2	1,773.65
3/4		3/4		3/4	4,189.72	3/4	3,887.75	3/4	3,281.95	3/4	2,979.03	3/4	2,676.11	3/4	2,373.18	3/4	2,070.26	3/4	1,767.34
5		5		5	4,183.47	5	3,881.44	5	3,275.64	5	2,972.72	5	2,669.80	5	2,366.87	5	2,063.95	5	1,761.03
1/4		1/4		1/4	4,177.22	1/4	3,875.13	1/4	3,272.23	1/4	2,966.41	1/4	2,663.48	1/4	2,360.56	1/4	2,057.64	1/4	1,754.71
1/2		1/2		1/2	4,170.97	1/2	3,868.82	1/2	3,265.92	1/2	2,960.10	1/2	2,657.17	1/2	2,354.25	1/2	2,051.33	1/2	1,748.40
3/4		3/4		3/4	4,164.72	3/4	3,862.51	3/4	3,259.61	3/4	2,956.71	3/4	2,650.86	3/4	2,347.94	3/4	2,045.02	3/4	1,742.09
6		6		6	4,158.48	6	3,856.20	6	3,253.30	6	2,950.40	6	2,644.55	6	2,341.63	6	2,038.71	6	1,735.78
1/4		1/4		1/4	4,152.23	1/4	3,849.89	1/4	3,246.99	1/4	2,941.16	1/4	2,638.24	1/4	2,335.32	1/4	2,032.39	1/4	1,729.47
1/2		1/2		1/2	4,145.98	1/2	3,843.58	1/2	3,240.68	1/2	2,934.85	1/2	2,631.93	1/2	2,329.01	1/2	2,026.08	1/2	1,723.16
3/4		3/4		3/4	4,139.73	3/4	3,837.27	3/4	3,234.37	3/4	2,928.54	3/4	2,625.62	3/4	2,322.70	3/4	2,019.77	3/4	1,716.85
7		7		7	4,133.48	7	3,830.96	7	3,228.06	7	2,922.23	7	2,619.31	7	2,316.38	7	2,013.46	7	1,710.54
1/4		1/4		1/4	4,127.23	1/4	3,824.65	1/4	3,221.75	1/4	2,915.92	1/4	2,613.00	1/4	2,310.07	1/4	2,007.15	1/4	1,704.23
1/2		1/2		1/2	4,120.99	1/2	3,818.34	1/2	3,215.44	1/2	2,909.61	1/2	2,606.69	1/2	2,303.76	1/2	2,000.84	1/2	1,697.92
3/4		3/4		3/4	4,114.74	3/4	3,812.03	3/4	3,209.13	3/4	2,903.30	3/4	2,600.38	3/4	2,297.45	3/4	1,994.53	3/4	1,691.61
8		8		8	4,108.49	8	3,805.72	8	3,202.82	8	2,896.99	8	2,594.06	8	2,291.14	8	1,988.22	8	1,685.29
1/4		1/4		1/4	4,102.24	1/4	3,799.41	1/4	3,196.51	1/4	2,890.68	1/4	2,587.75	1/4	2,284.83	1/4	1,981.91	1/4	1,678.98
1/2		1/2		1/2	4,095.99	1/2	3,793.10	1/2	3,190.20	1/2	2,884.37	1/2	2,581.44	1/2	2,278.52	1/2	1,975.60	1/2	1,672.67
3/4		3/4		3/4	4,089.68	3/4	3,786.78	3/4	3,183.89	3/4	2,878.05	3/4	2,575.13	3/4	2,272.21	3/4	1,969.29	3/4	1,666.36
9		9		9	4,083.37	9	3,780.47	9	3,177.58	9	2,871.74	9	2,568.82	9	2,265.90	9	1,962.97	9	1,660.05
1/4		1/4		1/4	4,077.06	1/4	3,774.16	1/4	3,171.26	1/4	2,865.43	1/4	2,562.51	1/4	2,259.59	1/4	1,956.66	1/4	1,653.74
1/2		1/2		1/2	4,070.75	1/2	3,767.85	1/2	3,164.95	1/2	2,859.12	1/2	2,556.20	1/2	2,253.28	1/2	1,950.35	1/2	1,647.43
3/4		3/4		3/4	4,064.44	3/4	3,761.54	3/4	3,158.64	3/4	2,852.81	3/4	2,549.89	3/4	2,246.96	3/4	1,944.04	3/4	1,641.12
10		10		10	4,058.13	10	3,755.23	10	3,152.33	10	2,846.50	10	2,543.58	10	2,240.65	10	1,937.73	10	1,634.81
1/4		1/4		1/4	4,051.82	1/4	3,748.92	1/4	3,146.02	1/4	2,840.19	1/4	2,537.27	1/4	2,234.34	1/4	1,931.42	1/4	1,628.50
1/2		1/2		1/2	4,045.51	1/2	3,742.61	1/2	3,139.71	1/2	2,833.88	1/2	2,530.96	1/2	2,228.03	1/2	1,925.11	1/2	1,622.19
3/4		3/4		3/4	4,039.20	3/4	3,736.30	3/4	3,133.40	3/4	2,827.57	3/4	2,524.64	3/4	2,221.72	3/4	1,918.80	3/4	1,615.87
11		11		11	4,032.89	11	3,729.99	11	3,127.09	11	2,821.26	11	2,518.33	11	2,215.41	11	1,912.49	11	1,609.56
1/4		1/4		1/4	4,026.58	1/4	3,723.68	1/4	3,120.78	1/4	2,814.95	1/4	2,512.02	1/4	2,209.10	1/4	1,906.18	1/4	1,603.25
1/2		1/2		1/2	4,020.27	1/2	3,717.37	1/2	3,114.47	1/2	2,808.63	1/2	2,505.71	1/2	2,202.79	1/2	1,899.87	1/2	1,596.94
3/4		3/4		3/4	4,013.96	3/4	3,711.06	3/4	3,108.16	3/4	2,802.32	3/4	2,499.40	3/4	2,196.48	3/4	1,893.55	3/4	1,590.63

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES.  
 GAUGE POINT: (HERMETIC - 2" VALVE) LOCATED 12'-09" OFF CENTERLINE AND 36'-00" FORWARD OF AFT BULKHEAD.  
 GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 37'-06" FORWARD OF AFT BULKHEAD.

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





# BARGE "MM 306"

## 2 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	1,584.32	0	1,282.98	0	980.06	0	677.30	0	374.40	0	73.99	0		0		0		0	
1/4	1,578.01	1/4	1,276.67	1/4	973.75	1/4	670.99	1/4	368.09	1/4	67.88	1/4		1/4		1/4		1/4	
1/2	1,571.70	1/2	1,270.36	1/2	967.44	1/2	664.68	1/2	361.77	1/2	61.77	1/2		1/2		1/2		1/2	
3/4	1,565.39	3/4	1,264.05	3/4	961.13	3/4	658.37	3/4	355.46	3/4	56.27	3/4		3/4		3/4		3/4	
1	1,559.08	1	1,257.74	1	954.82	1	652.06	1	349.15	1	50.76	1		1		1		1	
1/4	1,552.77	1/4	1,251.43	1/4	948.51	1/4	645.75	1/4	342.84	1/4	45.25	1/4		1/4		1/4		1/4	
1/2	1,546.45	1/2	1,245.12	1/2	942.20	1/2	639.44	1/2	336.53	1/2	39.75	1/2		1/2		1/2		1/2	
3/4	1,540.14	3/4	1,238.81	3/4	935.89	3/4	633.13	3/4	330.22	3/4	35.50	3/4		3/4		3/4		3/4	
2	1,533.83	2	1,232.49	2	929.58	2	626.82	2	323.91	2	31.26	2		2		2		2	
1/4	1,527.52	1/4	1,226.18	1/4	923.27	1/4	620.51	1/4	317.60	1/4	27.01	1/4		1/4		1/4		1/4	
1/2	1,521.21	1/2	1,219.87	1/2	916.95	1/2	614.20	1/2	311.29	1/2	22.76	1/2		1/2		1/2		1/2	
3/4	1,514.90	3/4	1,213.56	3/4	910.64	3/4	607.89	3/4	304.98	3/4		3/4		3/4		3/4		3/4	
3	1,508.59	3	1,207.25	3	904.33	3	601.58	3	298.67	3		3		3		3		3	
1/4	1,502.28	1/4	1,200.94	1/4	898.02	1/4	595.27	1/4	292.36	1/4		1/4		1/4		1/4		1/4	
1/2	1,495.97	1/2	1,194.63	1/2	891.71	1/2	588.96	1/2	286.05	1/2		1/2		1/2		1/2		1/2	
3/4	1,489.76	3/4	1,188.32	3/4	885.41	3/4	582.65	3/4	279.74	3/4		3/4		3/4		3/4		3/4	
4	1,483.54	4	1,182.01	4	879.10	4	576.34	4	273.43	4		4		4		4		4	
1/4	1,477.33	1/4	1,175.70	1/4	872.79	1/4	570.02	1/4	267.12	1/4		1/4		1/4		1/4		1/4	
1/2	1,471.12	1/2	1,169.39	1/2	866.49	1/2	563.71	1/2	260.81	1/2		1/2		1/2		1/2		1/2	
3/4	1,464.91	3/4	1,163.08	3/4	860.18	3/4	557.40	3/4	254.49	3/4		3/4		3/4		3/4		3/4	
5	1,458.70	5	1,156.77	5	853.88	5	551.09	5	248.18	5		5		5		5		5	
1/4	1,452.48	1/4	1,150.45	1/4	847.57	1/4	544.78	1/4	241.87	1/4		1/4		1/4		1/4		1/4	
1/2	1,446.27	1/2	1,144.14	1/2	841.27	1/2	538.47	1/2	235.56	1/2		1/2		1/2		1/2		1/2	
3/4	1,440.06	3/4	1,137.83	3/4	834.96	3/4	532.16	3/4	229.25	3/4		3/4		3/4		3/4		3/4	
6	1,433.85	6	1,131.52	6	828.65	6	525.85	6	222.94	6		6		6		6		6	
1/4	1,427.64	1/4	1,125.21	1/4	822.35	1/4	519.54	1/4	216.63	1/4		1/4		1/4		1/4		1/4	
1/2	1,421.42	1/2	1,118.90	1/2	816.04	1/2	513.23	1/2	210.32	1/2		1/2		1/2		1/2		1/2	
3/4	1,415.21	3/4	1,112.59	3/4	809.74	3/4	506.92	3/4	204.01	3/4		3/4		3/4		3/4		3/4	
7	1,409.00	7	1,106.28	7	803.43	7	500.61	7	197.70	7		7		7		7		7	
1/4	1,402.79	1/4	1,099.97	1/4	797.12	1/4	494.30	1/4	191.39	1/4		1/4		1/4		1/4		1/4	
1/2	1,396.58	1/2	1,093.66	1/2	790.82	1/2	487.99	1/2	185.08	1/2		1/2		1/2		1/2		1/2	
3/4	1,390.26	3/4	1,087.35	3/4	784.51	3/4	481.68	3/4	178.77	3/4		3/4		3/4		3/4		3/4	
8	1,383.95	8	1,081.04	8	778.21	8	475.37	8	172.46	8		8		8		8		8	
1/4	1,377.64	1/4	1,074.72	1/4	771.90	1/4	469.06	1/4	166.15	1/4		1/4		1/4		1/4		1/4	
1/2	1,371.33	1/2	1,068.41	1/2	765.60	1/2	462.74	1/2	159.84	1/2		1/2		1/2		1/2		1/2	
3/4	1,365.02	3/4	1,062.10	3/4	759.29	3/4	456.43	3/4	153.70	3/4		3/4		3/4		3/4		3/4	
9	1,358.71	9	1,055.79	9	752.98	9	450.12	9	147.56	9		9		9		9		9	
1/4	1,352.40	1/4	1,049.48	1/4	746.68	1/4	443.81	1/4	141.42	1/4		1/4		1/4		1/4		1/4	
1/2	1,346.09	1/2	1,043.17	1/2	740.37	1/2	437.50	1/2	135.28	1/2		1/2		1/2		1/2		1/2	
3/4	1,339.78	3/4	1,036.86	3/4	734.07	3/4	431.19	3/4	129.14	3/4		3/4		3/4		3/4		3/4	
10	1,333.47	10	1,030.55	10	727.76	10	424.88	10	123.00	10		10		10		10		10	
1/4	1,327.16	1/4	1,024.24	1/4	721.46	1/4	418.57	1/4	116.86	1/4		1/4		1/4		1/4		1/4	
1/2	1,320.85	1/2	1,017.93	1/2	715.15	1/2	412.26	1/2	110.73	1/2		1/2		1/2		1/2		1/2	
3/4	1,314.54	3/4	1,011.62	3/4	708.84	3/4	405.95	3/4	104.60	3/4		3/4		3/4		3/4		3/4	
11	1,308.22	11	1,005.31	11	702.54	11	399.64	11	98.47	11		11		11		11		11	
1/4	1,301.91	1/4	999.00	1/4	696.23	1/4	393.33	1/4	92.34	1/4		1/4		1/4		1/4		1/4	
1/2	1,295.60	1/2	992.68	1/2	689.93	1/2	387.02	1/2	86.21	1/2		1/2		1/2		1/2		1/2	
3/4	1,289.29	3/4	986.37	3/4	683.62	3/4	380.71	3/4	80.10	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/26/2015 CL  
CALCULATED: 03/26/2015 CL  
PRINTED: 03/27/2015 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2015

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



# BARGE "MM 306"

# 3 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		0	4,008.04	0	3,704.09	0	3,400.15	0	3,096.19	0	2,792.23	0	2,488.26	0	2,184.30	0	1,880.33		
1/4		1/4		1/4	4,001.71	1/4	3,697.76	1/4	3,393.82	1/4	3,089.86	1/4	2,785.89	1/4	2,481.93	1/4	2,177.96	1/4	1,874.00		
1/2		1/2		1/2	4,294.62	1/2	3,995.38	1/2	3,691.43	1/2	3,387.48	1/2	3,083.53	1/2	2,779.56	1/2	2,475.60	1/2	2,171.63	1/2	1,867.67
3/4		3/4		3/4	4,288.99	3/4	3,989.04	3/4	3,685.10	3/4	3,381.15	3/4	3,077.19	3/4	2,773.23	3/4	2,469.26	3/4	2,165.30	3/4	1,861.33
1		1		1	4,283.35	1	3,982.71	1	3,678.77	1	3,374.82	1	3,070.86	1	2,766.90	1	2,462.93	1	2,158.97	1	1,855.00
1/4		1/4		1/4	4,277.72	1/4	3,976.38	1/4	3,672.43	1/4	3,368.49	1/4	3,064.53	1/4	2,760.56	1/4	2,456.60	1/4	2,152.63	1/4	1,848.67
1/2		1/2		1/2	4,272.08	1/2	3,970.05	1/2	3,666.10	1/2	3,362.16	1/2	3,058.20	1/2	2,754.23	1/2	2,450.27	1/2	2,146.30	1/2	1,842.34
3/4		3/4		3/4	4,265.84	3/4	3,963.72	3/4	3,659.77	3/4	3,355.82	3/4	3,051.86	3/4	2,747.90	3/4	2,443.93	3/4	2,139.97	3/4	1,836.00
2		2		2	4,259.60	2	3,957.38	2	3,653.44	2	3,349.49	2	3,045.53	2	2,741.57	2	2,437.60	2	2,133.64	2	1,829.67
1/4		1/4		1/4	4,253.36	1/4	3,951.05	1/4	3,647.11	1/4	3,343.16	1/4	3,039.20	1/4	2,735.23	1/4	2,431.27	1/4	2,127.30	1/4	1,823.34
1/2		1/2		1/2	4,247.12	1/2	3,944.72	1/2	3,640.77	1/2	3,336.83	1/2	3,032.87	1/2	2,728.90	1/2	2,424.94	1/2	2,120.97	1/2	1,817.01
3/4		3/4		3/4	4,240.86	3/4	3,938.39	3/4	3,634.44	3/4	3,330.50	3/4	3,026.53	3/4	2,722.57	3/4	2,418.60	3/4	2,114.64	3/4	1,810.67
3		3		3	4,234.60	3	3,932.05	3	3,628.11	3	3,324.16	3	3,020.20	3	2,716.24	3	2,412.27	3	2,108.31	3	1,804.34
1/4		1/4		1/4	4,228.34	1/4	3,925.72	1/4	3,621.78	1/4	3,317.83	1/4	3,013.87	1/4	2,709.90	1/4	2,405.94	1/4	2,101.97	1/4	1,798.01
1/2		1/2		1/2	4,222.08	1/2	3,919.39	1/2	3,615.44	1/2	3,311.50	1/2	3,007.54	1/2	2,703.57	1/2	2,399.61	1/2	2,095.64	1/2	1,791.68
3/4		3/4		3/4	4,215.81	3/4	3,913.06	3/4	3,609.11	3/4	3,305.17	3/4	3,001.20	3/4	2,697.24	3/4	2,393.27	3/4	2,089.31	3/4	1,785.34
4		4		4	4,209.54	4	3,906.73	4	3,602.78	4	3,298.83	4	2,994.87	4	2,690.91	4	2,386.94	4	2,082.98	4	1,779.01
1/4		1/4		1/4	4,203.27	1/4	3,900.39	1/4	3,596.45	1/4	3,292.50	1/4	2,988.54	1/4	2,684.57	1/4	2,380.61	1/4	2,076.64	1/4	1,772.68
1/2		1/2		1/2	4,197.00	1/2	3,894.06	1/2	3,590.12	1/2	3,286.17	1/2	2,982.20	1/2	2,678.24	1/2	2,374.28	1/2	2,070.31	1/2	1,766.35
3/4		3/4		3/4	4,190.73	3/4	3,887.73	3/4	3,583.78	3/4	3,279.84	3/4	2,975.87	3/4	2,671.91	3/4	2,367.94	3/4	2,063.98	3/4	1,760.01
5		5		5	4,184.46	5	3,881.40	5	3,577.45	5	3,273.50	5	2,969.54	5	2,665.57	5	2,361.61	5	2,057.65	5	1,753.68
1/4		1/4		1/4	4,178.19	1/4	3,875.06	1/4	3,571.12	1/4	3,267.17	1/4	2,963.21	1/4	2,659.24	1/4	2,355.28	1/4	2,051.31	1/4	1,747.35
1/2		1/2		1/2	4,171.92	1/2	3,868.73	1/2	3,564.79	1/2	3,260.84	1/2	2,956.87	1/2	2,652.91	1/2	2,348.94	1/2	2,044.98	1/2	1,741.02
3/4		3/4		3/4	4,165.65	3/4	3,862.40	3/4	3,558.45	3/4	3,254.51	3/4	2,950.54	3/4	2,646.58	3/4	2,342.61	3/4	2,038.65	3/4	1,734.68
6		6		6	4,159.39	6	3,856.07	6	3,552.12	6	3,248.17	6	2,944.21	6	2,640.24	6	2,336.28	6	2,032.31	6	1,728.35
1/4		1/4		1/4	4,153.12	1/4	3,849.74	1/4	3,545.79	1/4	3,241.84	1/4	2,937.88	1/4	2,633.91	1/4	2,329.95	1/4	2,025.98	1/4	1,722.02
1/2		1/2		1/2	4,146.85	1/2	3,843.40	1/2	3,539.46	1/2	3,235.51	1/2	2,931.54	1/2	2,627.58	1/2	2,323.61	1/2	2,019.65	1/2	1,715.68
3/4		3/4		3/4	4,140.58	3/4	3,837.07	3/4	3,533.13	3/4	3,229.18	3/4	2,925.21	3/4	2,621.25	3/4	2,317.28	3/4	2,013.32	3/4	1,709.35
7		7		7	4,134.31	7	3,830.74	7	3,526.79	7	3,222.84	7	2,918.88	7	2,614.91	7	2,310.95	7	2,006.98	7	1,703.02
1/4		1/4		1/4	4,128.04	1/4	3,824.41	1/4	3,520.46	1/4	3,216.51	1/4	2,912.55	1/4	2,608.58	1/4	2,304.62	1/4	2,000.65	1/4	1,696.69
1/2		1/2		1/2	4,121.77	1/2	3,818.07	1/2	3,514.13	1/2	3,210.18	1/2	2,906.21	1/2	2,602.25	1/2	2,298.28	1/2	1,994.32	1/2	1,690.35
3/4		3/4		3/4	4,115.50	3/4	3,811.74	3/4	3,507.80	3/4	3,203.85	3/4	2,899.88	3/4	2,595.92	3/4	2,291.95	3/4	1,987.99	3/4	1,684.02
8		8		8	4,109.23	8	3,805.41	8	3,501.46	8	3,197.51	8	2,893.55	8	2,589.58	8	2,285.62	8	1,981.65	8	1,677.69
1/4		1/4		1/4	4,102.96	1/4	3,799.08	1/4	3,495.13	1/4	3,191.18	1/4	2,887.22	1/4	2,583.25	1/4	2,279.29	1/4	1,975.32	1/4	1,671.36
1/2		1/2		1/2	4,096.69	1/2	3,792.75	1/2	3,488.80	1/2	3,184.85	1/2	2,880.88	1/2	2,576.92	1/2	2,272.95	1/2	1,968.99	1/2	1,665.02
3/4		3/4		3/4	4,090.36	3/4	3,786.41	3/4	3,482.47	3/4	3,178.52	3/4	2,874.55	3/4	2,570.59	3/4	2,266.62	3/4	1,962.66	3/4	1,658.69
9		9		9	4,084.03	9	3,780.08	9	3,476.14	9	3,172.18	9	2,868.22	9	2,564.25	9	2,260.29	9	1,956.32	9	1,652.36
1/4		1/4		1/4	4,077.69	1/4	3,773.75	1/4	3,469.80	1/4	3,165.85	1/4	2,861.89	1/4	2,557.92	1/4	2,253.96	1/4	1,949.99	1/4	1,646.03
1/2		1/2		1/2	4,071.36	1/2	3,767.42	1/2	3,463.47	1/2	3,159.52	1/2	2,855.55	1/2	2,551.59	1/2	2,247.62	1/2	1,943.66	1/2	1,639.69
3/4		3/4		3/4	4,065.03	3/4	3,761.08	3/4	3,457.14	3/4	3,153.19	3/4	2,849.22	3/4	2,545.26	3/4	2,241.29	3/4	1,937.33	3/4	1,633.36
10		10		10	4,058.70	10	3,754.75	10	3,450.81	10	3,146.85	10	2,842.89	10	2,538.92	10	2,234.96	10	1,930.99	10	1,627.03
1/4		1/4		1/4	4,052.37	1/4	3,748.42	1/4	3,444.47	1/4	3,140.52	1/4	2,836.56	1/4	2,532.59	1/4	2,228.63	1/4	1,924.66	1/4	1,620.70
1/2		1/2		1/2	4,046.03	1/2	3,742.09	1/2	3,438.14	1/2	3,134.19	1/2	2,830.22	1/2	2,526.26	1/2	2,222.29	1/2	1,918.33	1/2	1,614.36
3/4		3/4		3/4	4,039.70	3/4	3,735.76	3/4	3,431.81	3/4	3,127.85	3/4	2,823.89	3/4	2,519.93	3/4	2,215.96	3/4	1,912.00	3/4	1,608.03
11		11		11	4,033.37	11	3,729.42	11	3,425.48	11	3,121.52	11	2,817.56	11	2,513.59	11	2,209.63	11	1,905.66	11	1,601.70
1/4		1/4		1/4	4,027.04	1/4	3,723.09	1/4	3,419.15	1/4	3,115.19	1/4	2,811.22	1/4	2,507.26	1/4	2,203.29	1/4	1,899.33	1/4	1,595.37
1/2		1/2		1/2	4,020.70	1/2	3,716.76	1/2	3,412.81	1/2	3,108.86	1/2	2,804.89	1/2	2,500.93	1/2	2,196.96	1/2	1,893.00	1/2	1,589.03
3/4		3/4		3/4	4,014.37	3/4	3,710.43	3/4	3,406.48	3/4	3,102.52	3/4	2,798.56	3/4	2,494.59	3/4	2,190.63	3/4	1,886.66	3/4	1,582.70

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES.  
 GAUGE POINT: (HERMETIC - 2" VALVE) LOCATED 12'-09" OFF CENTERLINE AND 36'-03" FORWARD OF AFT BULKHEAD.  
 GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 37'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
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# BARGE "MM 306"

## 3 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	1,576.37	0	1,273.99	0	970.59	0	679.64	0	375.69	0	74.24	0		0		0		0	
1/4	1,570.03	1/4	1,267.66	1/4	964.54	1/4	673.31	1/4	369.35	1/4	68.11	1/4		1/4		1/4		1/4	
1/2	1,563.70	1/2	1,261.33	1/2	958.48	1/2	666.98	1/2	363.02	1/2	61.98	1/2		1/2		1/2		1/2	
3/4	1,557.37	3/4	1,255.00	3/4	952.43	3/4	660.64	3/4	356.69	3/4	56.46	3/4		3/4		3/4		3/4	
1	1,551.04	1	1,248.66	1	946.38	1	654.31	1	350.36	1	50.93	1		1		1		1	
1/4	1,544.70	1/4	1,242.33	1/4	940.32	1/4	647.98	1/4	344.02	1/4	45.41	1/4		1/4		1/4		1/4	
1/2	1,538.37	1/2	1,236.00	1/2	934.27	1/2	641.65	1/2	337.69	1/2	39.88	1/2		1/2		1/2		1/2	
3/4	1,532.04	3/4	1,229.67	3/4	928.22	3/4	635.31	3/4	331.36	3/4	35.62	3/4		3/4		3/4		3/4	
2	1,525.71	2	1,223.33	2	922.16	2	628.98	2	325.03	2	31.36	2		2		2		2	
1/4	1,519.37	1/4	1,217.00	1/4	916.11	1/4	622.65	1/4	318.69	1/4	27.10	1/4		1/4		1/4		1/4	
1/2	1,513.04	1/2	1,210.67	1/2	910.06	1/2	616.32	1/2	312.36	1/2	22.84	1/2		1/2		1/2		1/2	
3/4	1,506.71	3/4	1,204.34	3/4	904.00	3/4	609.99	3/4	306.03	3/4		3/4		3/4		3/4		3/4	
3	1,500.38	3	1,198.00	3	897.95	3	603.65	3	299.70	3		3		3		3		3	
1/4	1,494.04	1/4	1,191.67	1/4	891.90	1/4	597.32	1/4	293.37	1/4		1/4		1/4		1/4		1/4	
1/2	1,487.71	1/2	1,185.34	1/2	885.84	1/2	590.99	1/2	287.03	1/2		1/2		1/2		1/2		1/2	
3/4	1,481.48	3/4	1,179.01	3/4	879.79	3/4	584.66	3/4	280.70	3/4		3/4		3/4		3/4		3/4	
4	1,475.24	4	1,172.67	4	873.75	4	578.32	4	274.37	4		4		4		4		4	
1/4	1,469.01	1/4	1,166.34	1/4	867.70	1/4	571.99	1/4	268.04	1/4		1/4		1/4		1/4		1/4	
1/2	1,462.78	1/2	1,160.01	1/2	861.65	1/2	565.66	1/2	261.70	1/2		1/2		1/2		1/2		1/2	
3/4	1,456.55	3/4	1,153.68	3/4	855.60	3/4	559.33	3/4	255.37	3/4		3/4		3/4		3/4		3/4	
5	1,450.31	5	1,147.34	5	849.55	5	552.99	5	249.04	5		5		5		5		5	
1/4	1,444.08	1/4	1,141.01	1/4	843.51	1/4	546.66	1/4	242.71	1/4		1/4		1/4		1/4		1/4	
1/2	1,437.85	1/2	1,134.68	1/2	837.46	1/2	540.33	1/2	236.37	1/2		1/2		1/2		1/2		1/2	
3/4	1,431.61	3/4	1,128.34	3/4	831.41	3/4	534.00	3/4	230.04	3/4		3/4		3/4		3/4		3/4	
6	1,425.38	6	1,122.01	6	825.36	6	527.66	6	223.71	6		6		6		6		6	
1/4	1,419.15	1/4	1,115.68	1/4	819.31	1/4	521.33	1/4	217.38	1/4		1/4		1/4		1/4		1/4	
1/2	1,412.91	1/2	1,109.35	1/2	813.27	1/2	515.00	1/2	211.04	1/2		1/2		1/2		1/2		1/2	
3/4	1,406.68	3/4	1,103.01	3/4	807.22	3/4	508.67	3/4	204.71	3/4		3/4		3/4		3/4		3/4	
7	1,400.45	7	1,096.68	7	801.17	7	502.33	7	198.38	7		7		7		7		7	
1/4	1,394.21	1/4	1,090.35	1/4	795.12	1/4	496.00	1/4	192.05	1/4		1/4		1/4		1/4		1/4	
1/2	1,387.98	1/2	1,084.02	1/2	789.07	1/2	489.67	1/2	185.71	1/2		1/2		1/2		1/2		1/2	
3/4	1,381.65	3/4	1,077.68	3/4	783.03	3/4	483.34	3/4	179.38	3/4		3/4		3/4		3/4		3/4	
8	1,375.32	8	1,071.35	8	776.98	8	477.00	8	173.05	8		8		8		8		8	
1/4	1,369.08	1/4	1,065.02	1/4	770.93	1/4	470.67	1/4	166.72	1/4		1/4		1/4		1/4		1/4	
1/2	1,362.65	1/2	1,058.69	1/2	764.88	1/2	464.34	1/2	160.38	1/2		1/2		1/2		1/2		1/2	
3/4	1,356.32	3/4	1,052.35	3/4	758.83	3/4	458.01	3/4	154.22	3/4		3/4		3/4		3/4		3/4	
9	1,349.99	9	1,046.02	9	752.79	9	451.68	9	148.06	9		9		9		9		9	
1/4	1,343.65	1/4	1,039.69	1/4	746.74	1/4	445.34	1/4	141.90	1/4		1/4		1/4		1/4		1/4	
1/2	1,337.32	1/2	1,033.36	1/2	740.69	1/2	439.01	1/2	135.74	1/2		1/2		1/2		1/2		1/2	
3/4	1,330.99	3/4	1,027.02	3/4	734.64	3/4	432.68	3/4	129.58	3/4		3/4		3/4		3/4		3/4	
10	1,324.66	10	1,020.69	10	728.59	10	426.35	10	123.42	10		10		10		10		10	
1/4	1,318.32	1/4	1,014.36	1/4	722.55	1/4	420.01	1/4	117.26	1/4		1/4		1/4		1/4		1/4	
1/2	1,311.99	1/2	1,008.03	1/2	716.50	1/2	413.68	1/2	111.10	1/2		1/2		1/2		1/2		1/2	
3/4	1,305.66	3/4	1,001.69	3/4	710.45	3/4	407.35	3/4	104.95	3/4		3/4		3/4		3/4		3/4	
11	1,299.33	11	995.36	11	704.40	11	401.02	11	98.80	11		11		11		11		11	
1/4	1,292.99	1/4	989.03	1/4	698.35	1/4	394.68	1/4	92.65	1/4		1/4		1/4		1/4		1/4	
1/2	1,286.66	1/2	982.70	1/2	692.31	1/2	388.35	1/2	86.50	1/2		1/2		1/2		1/2		1/2	
3/4	1,280.33	3/4	976.64	3/4	685.97	3/4	382.02	3/4	80.37	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/26/2015 CL  
CALCULATED: 03/26/2015 CL  
PRINTED: 03/27/2015 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2015

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





# BARGE "MM 306"

## 3 STBD 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		0	4,020.29	0	3,716.44	0	3,412.58	0	3,108.71	0	2,804.84	0	2,500.96	0	2,197.08	0	1,893.20
1/4		1/4		1/4	4,013.96	1/4	3,710.11	1/4	3,406.25	1/4	3,102.38	1/4	2,798.50	1/4	2,494.63	1/4	2,190.75	1/4	1,886.87
1/2		1/2	4,306.79	1/2	4,007.63	1/2	3,703.78	1/2	3,399.92	1/2	3,096.05	1/2	2,792.17	1/2	2,488.30	1/2	2,184.42	1/2	1,880.54
3/4		3/4	4,301.16	3/4	4,001.30	3/4	3,697.45	3/4	3,393.59	3/4	3,089.72	3/4	2,785.84	3/4	2,481.96	3/4	2,178.09	3/4	1,874.21
1		1	4,295.52	1	3,994.97	1	3,691.12	1	3,387.26	1	3,083.39	1	2,779.51	1	2,475.63	1	2,171.76	1	1,867.88
1/4		1/4	4,289.89	1/4	3,988.64	1/4	3,684.79	1/4	3,380.93	1/4	3,077.06	1/4	2,773.18	1/4	2,469.30	1/4	2,165.42	1/4	1,861.55
1/2		1/2	4,284.26	1/2	3,982.31	1/2	3,678.46	1/2	3,374.60	1/2	3,070.73	1/2	2,766.85	1/2	2,462.97	1/2	2,159.09	1/2	1,855.22
3/4		3/4	4,278.02	3/4	3,975.98	3/4	3,672.13	3/4	3,368.27	3/4	3,064.40	3/4	2,760.52	3/4	2,456.64	3/4	2,152.76	3/4	1,848.88
2		2	4,271.78	2	3,969.65	2	3,665.79	2	3,361.94	2	3,058.07	2	2,754.19	2	2,450.31	2	2,146.43	2	1,842.55
1/4		1/4	4,265.54	1/4	3,963.32	1/4	3,659.46	1/4	3,355.61	1/4	3,051.74	1/4	2,747.86	1/4	2,443.98	1/4	2,140.10	1/4	1,836.22
1/2		1/2	4,259.31	1/2	3,956.99	1/2	3,653.13	1/2	3,349.28	1/2	3,045.41	1/2	2,741.53	1/2	2,437.65	1/2	2,133.77	1/2	1,829.89
3/4		3/4	4,253.05	3/4	3,950.66	3/4	3,646.80	3/4	3,342.95	3/4	3,039.07	3/4	2,735.20	3/4	2,431.32	3/4	2,127.44	3/4	1,823.56
3		3	4,246.79	3	3,944.33	3	3,640.47	3	3,336.62	3	3,032.74	3	2,728.87	3	2,424.99	3	2,121.11	3	1,817.23
1/4		1/4	4,240.53	1/4	3,938.00	1/4	3,634.14	1/4	3,330.29	1/4	3,026.41	1/4	2,722.53	1/4	2,418.66	1/4	2,114.78	1/4	1,810.90
1/2		1/2	4,234.27	1/2	3,931.67	1/2	3,627.81	1/2	3,323.96	1/2	3,020.08	1/2	2,716.20	1/2	2,412.33	1/2	2,108.45	1/2	1,804.57
3/4		3/4	4,228.00	3/4	3,925.34	3/4	3,621.48	3/4	3,317.63	3/4	3,013.75	3/4	2,709.87	3/4	2,405.99	3/4	2,102.12	3/4	1,798.24
4		4	4,221.73	4	3,919.01	4	3,615.15	4	3,311.30	4	3,007.42	4	2,703.54	4	2,399.66	4	2,095.79	4	1,791.91
1/4		1/4	4,215.47	1/4	3,912.68	1/4	3,608.82	1/4	3,304.97	1/4	3,001.09	1/4	2,697.21	1/4	2,393.33	1/4	2,089.45	1/4	1,785.58
1/2		1/2	4,209.20	1/2	3,906.35	1/2	3,602.49	1/2	3,298.64	1/2	2,994.76	1/2	2,690.88	1/2	2,387.00	1/2	2,083.12	1/2	1,779.25
3/4		3/4	4,202.93	3/4	3,900.02	3/4	3,596.16	3/4	3,292.31	3/4	2,988.43	3/4	2,684.55	3/4	2,380.67	3/4	2,076.79	3/4	1,772.91
5		5	4,196.66	5	3,893.69	5	3,589.83	5	3,285.98	5	2,982.10	5	2,678.22	5	2,374.34	5	2,070.46	5	1,766.58
1/4		1/4	4,190.39	1/4	3,887.36	1/4	3,583.50	1/4	3,279.65	1/4	2,975.77	1/4	2,671.89	1/4	2,368.01	1/4	2,064.13	1/4	1,760.25
1/2		1/2	4,184.13	1/2	3,881.03	1/2	3,577.17	1/2	3,273.31	1/2	2,969.44	1/2	2,665.56	1/2	2,361.68	1/2	2,057.80	1/2	1,753.92
3/4		3/4	4,177.86	3/4	3,874.69	3/4	3,570.84	3/4	3,266.98	3/4	2,963.11	3/4	2,659.23	3/4	2,355.35	3/4	2,051.47	3/4	1,747.59
6		6	4,171.59	6	3,868.36	6	3,564.51	6	3,260.65	6	2,956.77	6	2,652.90	6	2,349.02	6	2,045.14	6	1,741.26
1/4		1/4	4,165.32	1/4	3,862.03	1/4	3,558.18	1/4	3,254.32	1/4	2,950.44	1/4	2,646.57	1/4	2,342.69	1/4	2,038.81	1/4	1,734.93
1/2		1/2	4,159.06	1/2	3,855.70	1/2	3,551.85	1/2	3,247.99	1/2	2,944.11	1/2	2,640.23	1/2	2,336.36	1/2	2,032.48	1/2	1,728.60
3/4		3/4	4,152.79	3/4	3,849.37	3/4	3,545.52	3/4	3,241.66	3/4	2,937.78	3/4	2,633.90	3/4	2,330.03	3/4	2,026.15	3/4	1,722.27
7		7	4,146.52	7	3,843.04	7	3,539.19	7	3,235.33	7	2,931.45	7	2,627.57	7	2,323.69	7	2,019.82	7	1,715.94
1/4		1/4	4,140.25	1/4	3,836.71	1/4	3,532.86	1/4	3,229.00	1/4	2,925.12	1/4	2,621.24	1/4	2,317.36	1/4	2,013.49	1/4	1,709.61
1/2		1/2	4,133.99	1/2	3,830.38	1/2	3,526.53	1/2	3,222.67	1/2	2,918.79	1/2	2,614.91	1/2	2,311.03	1/2	2,007.15	1/2	1,703.28
3/4		3/4	4,127.72	3/4	3,824.05	3/4	3,520.20	3/4	3,216.34	3/4	2,912.46	3/4	2,608.58	3/4	2,304.70	3/4	2,000.82	3/4	1,696.95
8		8	4,121.45	8	3,817.72	8	3,513.87	8	3,210.01	8	2,906.13	8	2,602.25	8	2,298.37	8	1,994.49	8	1,690.61
1/4		1/4	4,115.18	1/4	3,811.39	1/4	3,507.54	1/4	3,203.68	1/4	2,899.80	1/4	2,595.92	1/4	2,292.04	1/4	1,988.16	1/4	1,684.28
1/2		1/2	4,108.92	1/2	3,805.06	1/2	3,501.21	1/2	3,197.34	1/2	2,893.47	1/2	2,589.59	1/2	2,285.71	1/2	1,981.83	1/2	1,677.95
3/4		3/4	4,102.59	3/4	3,798.73	3/4	3,494.88	3/4	3,191.01	3/4	2,887.14	3/4	2,583.26	3/4	2,279.38	3/4	1,975.50	3/4	1,671.62
9		9	4,096.26	9	3,792.40	9	3,488.55	9	3,184.68	9	2,880.80	9	2,576.93	9	2,273.05	9	1,969.17	9	1,665.29
1/4		1/4	4,089.93	1/4	3,786.07	1/4	3,482.22	1/4	3,178.35	1/4	2,874.47	1/4	2,570.60	1/4	2,266.72	1/4	1,962.84	1/4	1,658.96
1/2		1/2	4,083.59	1/2	3,779.74	1/2	3,475.89	1/2	3,172.02	1/2	2,868.14	1/2	2,564.26	1/2	2,260.39	1/2	1,956.51	1/2	1,652.63
3/4		3/4	4,077.26	3/4	3,773.41	3/4	3,469.56	3/4	3,165.69	3/4	2,861.81	3/4	2,557.93	3/4	2,254.06	3/4	1,950.18	3/4	1,646.30
10		10	4,070.93	10	3,767.08	10	3,463.23	10	3,159.36	10	2,855.48	10	2,551.60	10	2,247.72	10	1,943.85	10	1,639.97
1/4		1/4	4,064.60	1/4	3,760.75	1/4	3,456.90	1/4	3,153.03	1/4	2,849.15	1/4	2,545.27	1/4	2,241.39	1/4	1,937.52	1/4	1,633.64
1/2		1/2	4,058.27	1/2	3,754.42	1/2	3,450.56	1/2	3,146.70	1/2	2,842.82	1/2	2,538.94	1/2	2,235.06	1/2	1,931.18	1/2	1,627.31
3/4		3/4	4,051.94	3/4	3,748.09	3/4	3,444.23	3/4	3,140.37	3/4	2,836.49	3/4	2,532.61	3/4	2,228.73	3/4	1,924.85	3/4	1,620.98
11		11	4,045.61	11	3,741.76	11	3,437.90	11	3,134.04	11	2,830.16	11	2,526.28	11	2,222.40	11	1,918.52	11	1,614.64
1/4		1/4	4,039.28	1/4	3,735.43	1/4	3,431.57	1/4	3,127.71	1/4	2,823.83	1/4	2,519.95	1/4	2,216.07	1/4	1,912.19	1/4	1,608.31
1/2		1/2	4,032.95	1/2	3,729.10	1/2	3,425.24	1/2	3,121.38	1/2	2,817.50	1/2	2,513.62	1/2	2,209.74	1/2	1,905.86	1/2	1,601.98
3/4		3/4	4,026.62	3/4	3,722.77	3/4	3,418.91	3/4	3,115.04	3/4	2,811.17	3/4	2,507.29	3/4	2,203.41	3/4	1,899.53	3/4	1,595.65

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES.

GAUGE POINT: (HERMETIC - 2" VALVE) LOCATED 12'-09" OFF CENTERLINE AND 36'-03" FORWARD OF AFT BULKHEAD.

GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 37'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
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<http://www.pmacorp.net>



# BARGE "MM 306"

## 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	1,589.32	0	1,287.04	0	983.16	0	679.45	0	375.58	0	74.23	0		0		0		0	
1/4	1,582.99	1/4	1,280.71	1/4	976.83	1/4	673.12	1/4	369.25	1/4	68.10	1/4		1/4		1/4		1/4	
1/2	1,576.66	1/2	1,274.38	1/2	970.50	1/2	666.79	1/2	362.92	1/2	61.97	1/2		1/2		1/2		1/2	
3/4	1,570.33	3/4	1,268.04	3/4	964.17	3/4	660.46	3/4	356.59	3/4	56.45	3/4		3/4		3/4		3/4	
1	1,564.00	1	1,261.71	1	957.84	1	654.13	1	350.26	1	50.93	1		1		1		1	
1/4	1,557.67	1/4	1,255.38	1/4	951.50	1/4	647.80	1/4	343.93	1/4	45.40	1/4		1/4		1/4		1/4	
1/2	1,551.34	1/2	1,249.05	1/2	945.17	1/2	641.47	1/2	337.60	1/2	39.88	1/2		1/2		1/2		1/2	
3/4	1,545.01	3/4	1,242.72	3/4	938.84	3/4	635.14	3/4	331.27	3/4	35.62	3/4		3/4		3/4		3/4	
2	1,538.68	2	1,236.39	2	932.51	2	628.81	2	324.94	2	31.36	2		2		2		2	
1/4	1,532.34	1/4	1,230.06	1/4	926.18	1/4	622.48	1/4	318.61	1/4	27.10	1/4		1/4		1/4		1/4	
1/2	1,526.01	1/2	1,223.73	1/2	919.85	1/2	616.15	1/2	312.28	1/2	22.84	1/2		1/2		1/2		1/2	
3/4	1,519.68	3/4	1,217.40	3/4	913.52	3/4	609.82	3/4	305.95	3/4		3/4		3/4		3/4		3/4	
3	1,513.35	3	1,211.07	3	907.19	3	603.49	3	299.62	3		3		3		3		3	
1/4	1,507.02	1/4	1,204.74	1/4	900.86	1/4	597.16	1/4	293.29	1/4		1/4		1/4		1/4		1/4	
1/2	1,500.69	1/2	1,198.41	1/2	894.53	1/2	590.82	1/2	286.96	1/2		1/2		1/2		1/2		1/2	
3/4	1,494.46	3/4	1,192.07	3/4	888.20	3/4	584.49	3/4	280.63	3/4		3/4		3/4		3/4		3/4	
4	1,488.23	4	1,185.74	4	881.88	4	578.16	4	274.29	4		4		4		4		4	
1/4	1,482.00	1/4	1,179.41	1/4	875.55	1/4	571.83	1/4	267.96	1/4		1/4		1/4		1/4		1/4	
1/2	1,475.77	1/2	1,173.08	1/2	869.23	1/2	565.50	1/2	261.63	1/2		1/2		1/2		1/2		1/2	
3/4	1,469.53	3/4	1,166.75	3/4	862.90	3/4	559.17	3/4	255.30	3/4		3/4		3/4		3/4		3/4	
5	1,463.30	5	1,160.42	5	856.57	5	552.84	5	248.97	5		5		5		5		5	
1/4	1,457.07	1/4	1,154.09	1/4	850.25	1/4	546.51	1/4	242.64	1/4		1/4		1/4		1/4		1/4	
1/2	1,450.84	1/2	1,147.76	1/2	843.92	1/2	540.18	1/2	236.31	1/2		1/2		1/2		1/2		1/2	
3/4	1,444.61	3/4	1,141.43	3/4	837.60	3/4	533.85	3/4	229.98	3/4		3/4		3/4		3/4		3/4	
6	1,438.38	6	1,135.10	6	831.27	6	527.52	6	223.65	6		6		6		6		6	
1/4	1,432.15	1/4	1,128.77	1/4	824.95	1/4	521.19	1/4	217.32	1/4		1/4		1/4		1/4		1/4	
1/2	1,425.92	1/2	1,122.44	1/2	818.62	1/2	514.86	1/2	210.99	1/2		1/2		1/2		1/2		1/2	
3/4	1,419.68	3/4	1,116.11	3/4	812.30	3/4	508.53	3/4	204.66	3/4		3/4		3/4		3/4		3/4	
7	1,413.45	7	1,109.77	7	805.97	7	502.20	7	198.33	7		7		7		7		7	
1/4	1,407.22	1/4	1,103.44	1/4	799.65	1/4	495.87	1/4	192.00	1/4		1/4		1/4		1/4		1/4	
1/2	1,400.99	1/2	1,097.11	1/2	793.32	1/2	489.54	1/2	185.67	1/2		1/2		1/2		1/2		1/2	
3/4	1,394.66	3/4	1,090.78	3/4	787.00	3/4	483.20	3/4	179.34	3/4		3/4		3/4		3/4		3/4	
8	1,388.33	8	1,084.45	8	780.67	8	476.87	8	173.01	8		8		8		8		8	
1/4	1,382.00	1/4	1,078.12	1/4	774.34	1/4	470.54	1/4	166.67	1/4		1/4		1/4		1/4		1/4	
1/2	1,375.67	1/2	1,071.79	1/2	768.02	1/2	464.21	1/2	160.34	1/2		1/2		1/2		1/2		1/2	
3/4	1,369.34	3/4	1,065.46	3/4	761.69	3/4	457.88	3/4	154.18	3/4		3/4		3/4		3/4		3/4	
9	1,363.01	9	1,059.13	9	755.37	9	451.55	9	148.03	9		9		9		9		9	
1/4	1,356.68	1/4	1,052.80	1/4	749.04	1/4	445.22	1/4	141.87	1/4		1/4		1/4		1/4		1/4	
1/2	1,350.34	1/2	1,046.47	1/2	742.72	1/2	438.89	1/2	135.71	1/2		1/2		1/2		1/2		1/2	
3/4	1,344.01	3/4	1,040.14	3/4	736.39	3/4	432.56	3/4	129.55	3/4		3/4		3/4		3/4		3/4	
10	1,337.68	10	1,033.80	10	730.07	10	426.23	10	123.39	10		10		10		10		10	
1/4	1,331.35	1/4	1,027.47	1/4	723.74	1/4	419.90	1/4	117.24	1/4		1/4		1/4		1/4		1/4	
1/2	1,325.02	1/2	1,021.14	1/2	717.42	1/2	413.57	1/2	111.08	1/2		1/2		1/2		1/2		1/2	
3/4	1,318.69	3/4	1,014.81	3/4	711.09	3/4	407.24	3/4	104.93	3/4		3/4		3/4		3/4		3/4	
11	1,312.36	11	1,008.48	11	704.77	11	400.91	11	98.78	11		11		11		11		11	
1/4	1,306.03	1/4	1,002.15	1/4	698.44	1/4	394.58	1/4	92.63	1/4		1/4		1/4		1/4		1/4	
1/2	1,299.70	1/2	995.82	1/2	692.11	1/2	388.25	1/2	86.48	1/2		1/2		1/2		1/2		1/2	
3/4	1,293.37	3/4	989.49	3/4	685.78	3/4	381.91	3/4	80.36	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/26/2015 CL  
CALCULATED: 03/26/2015 CL  
PRINTED: 03/27/2015 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2015

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



# BARGE "MM 306"

## 4 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 10'-08 1/2"

0 FT.			1 FT.			2 FT.			3 FT.			4 FT.			5 FT.			6 FT.			7 FT.			8 FT.			9 FT.			10 FT.					
IN		IN	IN		IN	IN		IN	IN		IN	IN		IN	IN		IN	IN		IN	IN		IN	IN		IN	IN		IN	IN		IN	IN		IN
0		0	0		1,895.52	0		1,678.03	0		1,460.55	0		1,242.68	0		1,025.96	0		809.18	0		596.17	0		382.34	0		164.05						

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES.  
 GAUGE POINT: (HERMETIC - 2" VALVE) LOCATED 12'-09" OFF CENTERLINE AND 48'-09" FORWARD OF AFT BULKHEAD.  
 GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 49'-09" FORWARD OF AFT BULKHEAD.

STRAPPED: 03/26/2015 CL  
 CALCULATED: 03/26/2015 CL  
 PRINTED: 03/27/2015 JS

CANCELS AND SUPERCEDES  
 ALL PRIOR TO 03/2015

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



# BARGE "MM 306"

4 STBD  
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 10'-09"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		10 FT.	
IN	0	IN	0	IN	1,925.15	IN	1,706.96	IN	1,488.78	IN	1,270.25	IN	1,051.91	IN	833.68	IN	615.15	IN	396.87	IN	178.07
1/4	1/4	1/4	1,920.60	1/4	1,702.42	1/4	1,484.23	1/4	1,265.70	1/4	1,047.42	1/4	829.12	1/4	610.61	1/4	392.31	1/4	173.51		
1/2	1/2	1/2	1,916.06	1/2	1,697.87	1/2	1,479.69	1/2	1,261.14	1/2	1,042.92	1/2	824.57	1/2	606.07	1/2	387.75	1/2	168.95		
3/4	3/4	3/4	1,911.51	3/4	1,693.33	3/4	1,475.14	3/4	1,256.58	3/4	1,038.43	3/4	820.01	3/4	601.53	3/4	383.20	3/4	164.39		
<b>1</b>	<b>1</b>	<b>1</b>	<b>2,120.35</b>	<b>1</b>	<b>1,906.97</b>	<b>1</b>	<b>1,688.78</b>	<b>1</b>	<b>1,470.60</b>	<b>1</b>	<b>1,252.02</b>	<b>1</b>	<b>1,033.94</b>	<b>1</b>	<b>815.45</b>	<b>1</b>	<b>597.00</b>	<b>1</b>	<b>378.64</b>	<b>1</b>	<b>159.83</b>
1/4	1/4	1/4	2,117.22	1/4	1,902.42	1/4	1,684.24	1/4	1,466.05	1/4	1,247.46	1/4	1,029.44	1/4	810.89	1/4	592.46	1/4	374.08	1/4	155.28
1/2	1/2	1/2	2,113.17	1/2	1,897.88	1/2	1,679.69	1/2	1,461.51	1/2	1,242.90	1/2	1,024.95	1/2	806.33	1/2	587.92	1/2	369.52	1/2	150.72
3/4	3/4	3/4	2,109.13	3/4	1,893.33	3/4	1,675.15	3/4	1,456.96	3/4	1,238.35	3/4	1,020.46	3/4	801.77	3/4	583.39	3/4	364.96	3/4	146.16
<b>2</b>	<b>2</b>	<b>2</b>	<b>2,105.09</b>	<b>2</b>	<b>1,888.78</b>	<b>2</b>	<b>1,670.60</b>	<b>2</b>	<b>1,452.42</b>	<b>2</b>	<b>1,233.79</b>	<b>2</b>	<b>1,015.96</b>	<b>2</b>	<b>797.21</b>	<b>2</b>	<b>578.85</b>	<b>2</b>	<b>360.40</b>	<b>2</b>	<b>141.60</b>
1/4	1/4	1/4	2,101.04	1/4	1,884.24	1/4	1,666.05	1/4	1,447.87	1/4	1,229.23	1/4	1,011.47	1/4	792.66	1/4	574.31	1/4	355.85	1/4	137.04
1/2	1/2	1/2	2,096.56	1/2	1,879.69	1/2	1,661.51	1/2	1,443.33	1/2	1,224.67	1/2	1,006.91	1/2	788.10	1/2	569.77	1/2	351.29	1/2	132.48
3/4	3/4	3/4	2,092.09	3/4	1,875.15	3/4	1,656.96	3/4	1,438.78	3/4	1,220.11	3/4	1,002.35	3/4	783.54	3/4	565.24	3/4	346.73	3/4	127.93
<b>3</b>	<b>3</b>	<b>3</b>	<b>2,087.61</b>	<b>3</b>	<b>1,870.60</b>	<b>3</b>	<b>1,652.42</b>	<b>3</b>	<b>1,434.23</b>	<b>3</b>	<b>1,215.55</b>	<b>3</b>	<b>997.79</b>	<b>3</b>	<b>778.98</b>	<b>3</b>	<b>560.70</b>	<b>3</b>	<b>342.17</b>	<b>3</b>	<b>123.37</b>
1/4	1/4	1/4	2,083.13	1/4	1,866.06	1/4	1,647.87	1/4	1,429.69	1/4	1,211.00	1/4	993.23	1/4	774.42	1/4	556.16	1/4	337.61	1/4	118.81
1/2	1/2	1/2	2,078.64	1/2	1,861.51	1/2	1,643.33	1/2	1,425.14	1/2	1,206.44	1/2	988.67	1/2	769.86	1/2	551.62	1/2	333.05	1/2	114.26
3/4	3/4	3/4	2,074.14	3/4	1,856.97	3/4	1,638.78	3/4	1,420.60	3/4	1,201.88	3/4	984.12	3/4	765.30	3/4	547.09	3/4	328.50	3/4	109.71
<b>4</b>	<b>4</b>	<b>4</b>	<b>2,069.65</b>	<b>4</b>	<b>1,852.42</b>	<b>4</b>	<b>1,634.24</b>	<b>4</b>	<b>1,416.05</b>	<b>4</b>	<b>1,197.32</b>	<b>4</b>	<b>979.56</b>	<b>4</b>	<b>760.74</b>	<b>4</b>	<b>542.55</b>	<b>4</b>	<b>323.94</b>	<b>4</b>	<b>105.16</b>
1/4	1/4	1/4	2,065.15	1/4	1,847.87	1/4	1,629.69	1/4	1,411.51	1/4	1,192.76	1/4	975.00	1/4	756.19	1/4	538.01	1/4	319.38	1/4	100.62
1/2	1/2	1/2	2,060.65	1/2	1,843.33	1/2	1,625.15	1/2	1,406.96	1/2	1,188.21	1/2	970.44	1/2	751.63	1/2	533.48	1/2	314.82	1/2	96.07
3/4	3/4	3/4	2,056.16	3/4	1,838.78	3/4	1,620.60	3/4	1,402.42	3/4	1,183.65	3/4	965.88	3/4	747.07	3/4	528.94	3/4	310.26	3/4	91.52
<b>5</b>	<b>5</b>	<b>5</b>	<b>2,051.66</b>	<b>5</b>	<b>1,834.24</b>	<b>5</b>	<b>1,616.05</b>	<b>5</b>	<b>1,397.87</b>	<b>5</b>	<b>1,179.09</b>	<b>5</b>	<b>961.32</b>	<b>5</b>	<b>742.51</b>	<b>5</b>	<b>524.40</b>	<b>5</b>	<b>305.70</b>	<b>5</b>	<b>86.98</b>
1/4	1/4	1/4	2,047.16	1/4	1,829.69	1/4	1,611.51	1/4	1,393.32	1/4	1,174.53	1/4	956.76	1/4	737.95	1/4	519.86	1/4	301.14	1/4	82.43
1/2	1/2	1/2	2,042.66	1/2	1,825.15	1/2	1,606.96	1/2	1,388.77	1/2	1,169.97	1/2	952.21	1/2	733.39	1/2	515.33	1/2	296.59	1/2	77.89
3/4	3/4	3/4	2,038.16	3/4	1,820.60	3/4	1,602.42	3/4	1,384.21	3/4	1,165.41	3/4	947.65	3/4	728.83	3/4	510.79	3/4	292.03	3/4	73.35
<b>6</b>	<b>6</b>	<b>6</b>	<b>2,033.66</b>	<b>6</b>	<b>1,816.06</b>	<b>6</b>	<b>1,597.87</b>	<b>6</b>	<b>1,379.65</b>	<b>6</b>	<b>1,160.86</b>	<b>6</b>	<b>943.09</b>	<b>6</b>	<b>724.28</b>	<b>6</b>	<b>506.25</b>	<b>6</b>	<b>287.47</b>	<b>6</b>	<b>68.81</b>
1/4	1/4	1/4	2,029.16	1/4	1,811.51	1/4	1,593.33	1/4	1,375.09	1/4	1,156.30	1/4	938.53	1/4	719.72	1/4	501.71	1/4	282.91	1/4	64.27
1/2	1/2	1/2	2,024.66	1/2	1,806.97	1/2	1,588.78	1/2	1,370.53	1/2	1,151.74	1/2	933.97	1/2	715.16	1/2	497.16	1/2	278.35	1/2	59.75
3/4	3/4	3/4	2,020.15	3/4	1,802.42	3/4	1,584.24	3/4	1,365.98	3/4	1,147.18	3/4	929.41	3/4	710.60	3/4	492.60	3/4	273.79	3/4	55.22
<b>7</b>	<b>7</b>	<b>7</b>	<b>2,015.65</b>	<b>7</b>	<b>1,797.87</b>	<b>7</b>	<b>1,579.69</b>	<b>7</b>	<b>1,361.42</b>	<b>7</b>	<b>1,142.62</b>	<b>7</b>	<b>924.85</b>	<b>7</b>	<b>706.04</b>	<b>7</b>	<b>488.04</b>	<b>7</b>	<b>269.24</b>	<b>7</b>	<b>50.70</b>
1/4	1/4	1/4	2,011.15	1/4	1,793.33	1/4	1,575.14	1/4	1,356.86	1/4	1,138.07	1/4	920.30	1/4	701.48	1/4	483.48	1/4	264.68	1/4	46.17
1/2	1/2	1/2	2,006.65	1/2	1,788.78	1/2	1,570.60	1/2	1,352.30	1/2	1,133.51	1/2	915.74	1/2	696.92	1/2	478.92	1/2	260.12	1/2	42.08
3/4	3/4	3/4	2,002.15	3/4	1,784.24	3/4	1,566.05	3/4	1,347.74	3/4	1,128.95	3/4	911.18	3/4	692.37	3/4	474.36	3/4	255.56	3/4	37.99
<b>8</b>	<b>8</b>	<b>8</b>	<b>1,997.65</b>	<b>8</b>	<b>1,779.69</b>	<b>8</b>	<b>1,561.51</b>	<b>8</b>	<b>1,343.18</b>	<b>8</b>	<b>1,124.39</b>	<b>8</b>	<b>906.62</b>	<b>8</b>	<b>687.81</b>	<b>8</b>	<b>469.81</b>	<b>8</b>	<b>251.00</b>	<b>8</b>	<b>33.90</b>
1/4	1/4	1/4	1,993.15	1/4	1,775.15	1/4	1,556.96	1/4	1,338.63	1/4	1,119.83	1/4	902.06	1/4	683.25	1/4	465.25	1/4	246.44	1/4	29.82
1/2	1/2	1/2	1,988.65	1/2	1,770.60	1/2	1,552.42	1/2	1,334.07	1/2	1,115.27	1/2	897.50	1/2	678.71	1/2	460.69	1/2	241.89	1/2	26.63
3/4	3/4	3/4	1,984.15	3/4	1,766.06	3/4	1,547.87	3/4	1,329.51	3/4	1,110.72	3/4	892.94	3/4	674.16	3/4	456.13	3/4	237.33	3/4	23.45
<b>9</b>	<b>9</b>	<b>9</b>	<b>1,979.65</b>	<b>9</b>	<b>1,761.51</b>	<b>9</b>	<b>1,543.33</b>	<b>9</b>	<b>1,324.95</b>	<b>9</b>	<b>1,106.16</b>	<b>9</b>	<b>888.39</b>	<b>9</b>	<b>669.62</b>	<b>9</b>	<b>451.57</b>	<b>9</b>	<b>232.77</b>	<b>9</b>	<b>20.27</b>
1/4	1/4	1/4	1,975.15	1/4	1,756.96	1/4	1,538.78	1/4	1,320.39	1/4	1,101.60	1/4	883.83	1/4	665.08	1/4	447.01	1/4	228.21	1/4	17.10
1/2	1/2	1/2	1,970.60	1/2	1,752.42	1/2	1,534.24	1/2	1,315.84	1/2	1,097.04	1/2	879.27	1/2	660.54	1/2	442.46	1/2	223.65	1/2	
3/4	3/4	3/4	1,966.06	3/4	1,747.87	3/4	1,529.69	3/4	1,311.28	3/4	1,092.48	3/4	874.71	3/4	655.99	3/4	437.90	3/4	219.09	3/4	
<b>10</b>	<b>10</b>	<b>10</b>	<b>1,961.51</b>	<b>10</b>	<b>1,743.33</b>	<b>10</b>	<b>1,525.14</b>	<b>10</b>	<b>1,306.72</b>	<b>10</b>	<b>1,087.93</b>	<b>10</b>	<b>870.15</b>	<b>10</b>	<b>651.45</b>	<b>10</b>	<b>433.34</b>	<b>10</b>	<b>214.54</b>	<b>10</b>	
1/4	1/4	1/4	1,956.97	1/4	1,738.78	1/4	1,520.60	1/4	1,302.16	1/4	1,083.37	1/4	865.59	1/4	646.91	1/4	428.78	1/4	209.98	1/4	
1/2	1/2	1/2	1,952.42	1/2	1,734.24	1/2	1,516.05	1/2	1,297.60	1/2	1,078.87	1/2	861.03	1/2	642.37	1/2	424.22	1/2	205.42	1/2	
3/4	3/4	3/4	1,947.88	3/4	1,729.69	3/4	1,511.51	3/4	1,293.04	3/4	1,074.38	3/4	856.48	3/4	637.83	3/4	419.66	3/4	200.86	3/4	
<b>11</b>	<b>11</b>	<b>11</b>	<b>1,943.33</b>	<b>11</b>	<b>1,725.15</b>	<b>11</b>	<b>1,506.96</b>	<b>11</b>	<b>1,288.49</b>	<b>11</b>	<b>1,069.89</b>	<b>11</b>	<b>851.92</b>	<b>11</b>	<b>633.30</b>	<b>11</b>	<b>415.10</b>	<b>11</b>	<b>196.30</b>	<b>11</b>	
1/4	1/4	1/4	1,938.78	1/4	1,720.60	1/4	1,502.42	1/4	1,283.93	1/4	1,065.39	1/4	847.36	1/4	628.76	1/4	410.55	1/4	191.74	1/4	
1/2	1/2	1/2	1,934.24	1/2	1,716.06	1/2	1,497.87	1/2	1,279.												



# BARGE "MM 306"

## ULLAGE TRIM TABLE 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	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-4/8	- 00-4/8
1 STBD	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-4/8	- 00-4/8
2 PORT	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-2/8	- 00-2/8	00-3/8	- 00-3/8
2 STBD	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-2/8	- 00-2/8	00-3/8	- 00-3/8
3 PORT	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8
3 STBD	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8
4 PORT	01-1/4	- 01-1/4	02-3/8	- 02-3/8	03-5/8	- 03-5/8	04-6/8	- 04-6/8	06-0/8	- 06-0/8	07-1/8	- 07-1/8
4 STBD	01-1/4	- 01-1/4	02-3/8	- 02-3/8	03-5/8	- 03-5/8	04-6/8	- 04-6/8	06-0/8	- 06-0/8	07-1/8	- 07-1/8

(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 - 00-1/8"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 237'-03"

March 26, 2015

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

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