



BARGE "MPC 708"

ULLAGE TRIM TABLE

	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	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
1 STBD	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	00-1/8	- 00-1/8
2 PORT	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2
2 STBD	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2
3 PORT	00-3/8	- 00-3/8	00-6/8	- 00-6/8	01-1/4	- 01-1/4	01-5/8	- 01-5/8	02-0/8	- 02-0/8	02-3/8	- 02-3/8
3 STBD	00-3/8	- 00-3/8	00-6/8	- 00-6/8	01-1/4	- 01-1/4	01-5/8	- 01-5/8	02-0/8	- 02-0/8	02-3/8	- 02-3/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 220'-09"

November 19, 2015

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

<http://www.pmacorp.net>



BARGE "MPC 708"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-06 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	3,602.71	0	3,240.20	0	2,876.94	0	2,512.99	0	2,149.04	0	1,785.09	0	1,421.88	0	1,057.99	0	696.92
1/4		1/4	3,595.23	1/4	3,232.64	1/4	2,869.36	1/4	2,505.41	1/4	2,141.46	1/4	1,777.51	1/4	1,414.30	1/4	1,050.43	1/4	689.47
1/2		1/2	3,587.70	1/2	3,225.07	1/2	2,861.78	1/2	2,497.82	1/2	2,133.87	1/2	1,769.92	1/2	1,406.72	1/2	1,042.88	1/2	682.11
3/4		3/4	3,580.17	3/4	3,217.50	3/4	2,854.19	3/4	2,490.24	3/4	2,126.29	3/4	1,762.34	3/4	1,399.13	3/4	1,035.33	3/4	674.76
1		1	3,572.64	1	3,209.93	1	2,846.61	1	2,482.66	1	2,118.71	1	1,754.76	1	1,391.55	1	1,027.78	1	667.41
1/4		1/4	3,565.11	1/4	3,202.37	1/4	2,839.03	1/4	2,475.08	1/4	2,111.13	1/4	1,747.18	1/4	1,383.97	1/4	1,020.23	1/4	660.05
1/2		1/2	3,557.58	1/2	3,194.80	1/2	2,831.45	1/2	2,467.50	1/2	2,103.55	1/2	1,739.59	1/2	1,376.38	1/2	1,012.70	1/2	652.76
3/4		3/4	3,550.05	3/4	3,187.23	3/4	2,823.86	3/4	2,459.91	3/4	2,095.96	3/4	1,732.01	3/4	1,368.80	3/4	1,005.17	3/4	645.46
2		2	3,542.52	2	3,179.67	2	2,816.28	2	2,452.33	2	2,088.38	2	1,724.43	2	1,361.22	2	997.63	2	638.16
1/4		1/4	3,534.99	1/4	3,172.10	1/4	2,808.70	1/4	2,444.75	1/4	2,080.80	1/4	1,716.85	1/4	1,353.64	1/4	990.10	1/4	630.87
1/2		1/2	3,527.46	1/2	3,164.53	1/2	2,801.12	1/2	2,437.17	1/2	2,073.22	1/2	1,709.27	1/2	1,346.05	1/2	982.57	1/2	623.68
3/4		3/4	3,519.93	3/4	3,156.97	3/4	2,793.53	3/4	2,429.58	3/4	2,065.63	3/4	1,701.68	3/4	1,338.47	3/4	975.04	3/4	616.48
3		3	3,512.40	3	3,149.40	3	2,785.95	3	2,422.00	3	2,058.05	3	1,694.10	3	1,330.89	3	967.51	3	609.29
1/4		1/4	3,504.88	1/4	3,141.83	1/4	2,778.37	1/4	2,414.42	1/4	2,050.47	1/4	1,686.52	1/4	1,323.30	1/4	959.98	1/4	602.10
1/2		1/2	3,497.35	1/2	3,134.26	1/2	2,770.79	1/2	2,406.84	1/2	2,042.89	1/2	1,678.94	1/2	1,315.72	1/2	952.45	1/2	595.02
3/4		3/4	3,489.82	3/4	3,126.70	3/4	2,763.21	3/4	2,399.26	3/4	2,035.30	3/4	1,671.35	3/4	1,308.14	3/4	944.93	3/4	587.94
4		4	3,482.29	4	3,119.13	4	2,755.62	4	2,391.67	4	2,027.72	4	1,663.77	4	1,300.55	4	937.40	4	580.86
1/4		1/4	3,474.76	1/4	3,111.56	1/4	2,748.04	1/4	2,384.09	1/4	2,020.14	1/4	1,656.19	1/4	1,292.97	1/4	929.88	1/4	573.78
1/2		1/2	3,467.20	1/2	3,104.00	1/2	2,740.46	1/2	2,376.51	1/2	2,012.56	1/2	1,648.63	1/2	1,285.39	1/2	922.35	1/2	566.81
3/4		3/4	3,459.63	3/4	3,096.43	3/4	2,732.88	3/4	2,368.93	3/4	2,004.98	3/4	1,641.08	3/4	1,277.81	3/4	914.83	3/4	559.84
5		5	3,452.07	5	3,088.86	5	2,725.29	5	2,361.34	5	1,997.39	5	1,633.52	5	1,270.22	5	907.30	5	552.87
1/4		1/4	3,444.54	1/4	3,081.30	1/4	2,717.71	1/4	2,353.76	1/4	1,989.81	1/4	1,625.97	1/4	1,262.64	1/4	899.78	1/4	545.90
1/2		1/2	3,436.94	1/2	3,073.73	1/2	2,710.13	1/2	2,346.18	1/2	1,982.23	1/2	1,618.42	1/2	1,255.06	1/2	892.26	1/2	539.05
3/4		3/4	3,429.38	3/4	3,066.16	3/4	2,702.55	3/4	2,338.60	3/4	1,974.65	3/4	1,610.87	3/4	1,247.47	3/4	884.74	3/4	532.19
6		6	3,421.81	6	3,058.59	6	2,694.96	6	2,331.01	6	1,967.06	6	1,603.32	6	1,239.89	6	877.21	6	525.33
1/4		1/4	3,414.24	1/4	3,051.03	1/4	2,687.38	1/4	2,323.43	1/4	1,959.48	1/4	1,595.76	1/4	1,232.31	1/4	869.69	1/4	518.47
1/2		1/2	3,406.68	1/2	3,043.46	1/2	2,679.80	1/2	2,315.85	1/2	1,951.90	1/2	1,588.21	1/2	1,224.72	1/2	862.17	1/2	511.73
3/4	3,727.88	3/4	3,399.11	3/4	3,035.89	3/4	2,672.22	3/4	2,308.27	3/4	1,944.32	3/4	1,580.66	3/4	1,217.14	3/4	854.65	3/4	504.99
7	3,723.86	7	3,391.54	7	3,028.33	7	2,664.64	7	2,300.69	7	1,936.73	7	1,573.11	7	1,209.56	7	847.13	7	498.25
1/4	3,719.84	1/4	3,383.98	1/4	3,020.76	1/4	2,657.05	1/4	2,293.10	1/4	1,929.15	1/4	1,565.56	1/4	1,201.98	1/4	839.61	1/4	491.50
1/2	3,715.06	1/2	3,376.41	1/2	3,013.19	1/2	2,649.47	1/2	2,285.52	1/2	1,921.57	1/2	1,558.01	1/2	1,194.39	1/2	832.09	1/2	485.01
3/4	3,710.28	3/4	3,368.84	3/4	3,005.63	3/4	2,641.89	3/4	2,277.94	3/4	1,913.99	3/4	1,550.46	3/4	1,186.81	3/4	824.57	3/4	478.52
8	3,705.50	8	3,361.27	8	2,998.06	8	2,634.31	8	2,270.36	8	1,906.41	8	1,542.91	8	1,179.23	8	817.05	8	472.03
1/4	3,700.72	1/4	3,353.71	1/4	2,990.49	1/4	2,626.72	1/4	2,262.77	1/4	1,898.82	1/4	1,535.36	1/4	1,171.64	1/4	809.53	1/4	465.54
1/2	3,695.18	1/2	3,346.14	1/2	2,982.92	1/2	2,619.14	1/2	2,255.19	1/2	1,891.24	1/2	1,527.81	1/2	1,164.06	1/2	802.01	1/2	459.32
3/4	3,689.64	3/4	3,338.57	3/4	2,975.36	3/4	2,611.56	3/4	2,247.61	3/4	1,883.66	3/4	1,520.25	3/4	1,156.48	3/4	794.49	3/4	453.09
9	3,684.10	9	3,331.01	9	2,967.79	9	2,603.98	9	2,240.03	9	1,876.08	9	1,512.70	9	1,148.89	9	786.96	9	446.87
1/4	3,678.56	1/4	3,323.44	1/4	2,960.22	1/4	2,596.39	1/4	2,232.44	1/4	1,868.49	1/4	1,505.15	1/4	1,141.31	1/4	779.44	1/4	440.65
1/2	3,672.27	1/2	3,315.87	1/2	2,952.66	1/2	2,588.81	1/2	2,224.86	1/2	1,860.91	1/2	1,497.60	1/2	1,133.73	1/2	771.92	1/2	434.56
3/4	3,665.97	3/4	3,308.31	3/4	2,945.09	3/4	2,581.23	3/4	2,217.28	3/4	1,853.33	3/4	1,490.05	3/4	1,126.15	3/4	764.40	3/4	428.47
10	3,659.67	10	3,300.74	10	2,937.52	10	2,573.65	10	2,209.70	10	1,845.75	10	1,482.50	10	1,118.56	10	756.88	10	422.38
1/4	3,653.37	1/4	3,293.17	1/4	2,929.96	1/4	2,566.07	1/4	2,202.12	1/4	1,838.16	1/4	1,474.95	1/4	1,110.98	1/4	749.36	1/4	416.28
1/2	3,646.32	1/2	3,285.60	1/2	2,922.39	1/2	2,558.48	1/2	2,194.53	1/2	1,830.58	1/2	1,467.37	1/2	1,103.40	1/2	741.85	1/2	410.30
3/4	3,639.26	3/4	3,278.04	3/4	2,914.82	3/4	2,550.90	3/4	2,186.95	3/4	1,823.00	3/4	1,459.79	3/4	1,095.81	3/4	734.33	3/4	404.32
11	3,632.21	11	3,270.47	11	2,907.25	11	2,543.32	11	2,179.37	11	1,815.42	11	1,452.21	11	1,088.23	11	726.82	11	398.34
1/4	3,625.15	1/4	3,262.90	1/4	2,899.69	1/4	2,535.74	1/4	2,171.79	1/4	1,807.84	1/4	1,444.63	1/4	1,080.65	1/4	719.30	1/4	392.37
1/2	3,617.67	1/2	3,255.34	1/2	2,892.10	1/2	2,528.15	1/2	2,164.20	1/2	1,800.25	1/2	1,437.05	1/2	1,073.09	1/2	711.84	1/2	386.50
3/4	3,610.19	3/4	3,247.77	3/4	2,884.52	3/4	2,520.57	3/4	2,156.62	3/4	1,792.67	3/4	1,429.47	3/4	1,065.54	3/4	704.38	3/4	380.63

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO UNDERSIDE OF DECK AT GAUGE POINT.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH 8" ULLAGE HATCH.
 GAUGE POINT: (8" ULLAGE HATCH) LOCATED 12'-09" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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BARGE "MPC 708"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-06 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	374.76	0	113.78	0		0		0		0		0		0		0		0	
1/4	368.89	1/4	108.93	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	363.14	1/2	104.20	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	357.38	3/4	99.47	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	351.62	1	94.74	1		1		1		1		1		1		1		1	
1/4	345.87	1/4	90.01	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	340.08	1/2	85.53	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	334.30	3/4	81.05	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	328.51	2	76.57	2		2		2		2		2		2		2		2	
1/4	322.73	1/4	72.08	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	316.89	1/2	67.87	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	311.06	3/4	63.66	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	305.23	3	59.45	3		3		3		3		3		3		3		3	
1/4	299.40	1/4	55.24	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	293.66	1/2	51.05	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	287.91	3/4	46.86	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	282.17	4	42.66	4		4		4		4		4		4		4		4	
1/4	276.43	1/4	38.47	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	270.80	1/2	35.03	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	265.17	3/4	31.60	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	259.54	5	28.16	5		5		5		5		5		5		5		5	
1/4	253.91	1/4	24.73	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	248.40	1/2	22.77	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	242.88	3/4	20.81	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	237.36	6	18.86	6		6		6		6		6		6		6		6	
1/4	231.84	1/4	16.90	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	226.44	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	221.04	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	215.63	7		7		7		7		7		7		7		7		7	
1/4	210.23	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	204.94	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	199.65	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	194.36	8		8		8		8		8		8		8		8		8	
1/4	189.08	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	183.90	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	178.72	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	173.55	9		9		9		9		9		9		9		9		9	
1/4	168.37	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163.31	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158.24	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	153.18	10		10		10		10		10		10		10		10		10	
1/4	148.11	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	143.16	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	138.21	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	133.25	11		11		11		11		11		11		11		11		11	
1/4	128.30	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	123.46	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	118.62	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/19/2015 CL
CALCULATED: 11/20/2015 CL
RINTED: 11/21/2015 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2015

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



BARGE "MPC 708"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-06"

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	3,597.10	0	3,234.51	0	2,871.24	0	2,507.29	0	2,143.33	0	1,779.38	0	1,416.17	0	1,052.19	0	689.61
1/4		1/4	3,589.57	1/4	3,226.94	1/4	2,863.66	1/4	2,499.71	1/4	2,135.75	1/4	1,771.80	1/4	1,408.59	1/4	1,044.60	1/4	682.23
1/2		1/2	3,582.04	1/2	3,219.37	1/2	2,856.08	1/2	2,492.12	1/2	2,128.17	1/2	1,764.21	1/2	1,401.00	1/2	1,037.02	1/2	674.84
3/4		3/4	3,574.51	3/4	3,211.80	3/4	2,848.50	3/4	2,484.54	3/4	2,120.59	3/4	1,756.63	3/4	1,393.42	3/4	1,029.44	3/4	667.45
1		1	3,566.98	1	3,204.24	1	2,840.91	1	2,476.96	1	2,113.00	1	1,749.05	1	1,385.84	1	1,021.85	1	660.07
1/4		1/4	3,559.45	1/4	3,196.67	1/4	2,833.33	1/4	2,469.38	1/4	2,105.42	1/4	1,741.47	1/4	1,378.25	1/4	1,014.29	1/4	652.77
1/2		1/2	3,551.92	1/2	3,189.10	1/2	2,825.75	1/2	2,461.79	1/2	2,097.84	1/2	1,733.88	1/2	1,370.67	1/2	1,006.72	1/2	645.47
3/4		3/4	3,544.39	3/4	3,181.54	3/4	2,818.17	3/4	2,454.21	3/4	2,090.26	3/4	1,726.30	3/4	1,363.09	3/4	999.15	3/4	638.17
2		2	3,536.86	2	3,173.97	2	2,810.58	2	2,446.63	2	2,082.67	2	1,718.72	2	1,355.51	2	991.59	2	630.87
1/4		1/4	3,529.33	1/4	3,166.40	1/4	2,803.00	1/4	2,439.05	1/4	2,075.09	1/4	1,711.14	1/4	1,347.92	1/4	984.02	1/4	623.67
1/2		1/2	3,521.80	1/2	3,158.84	1/2	2,795.42	1/2	2,431.46	1/2	2,067.51	1/2	1,703.55	1/2	1,340.34	1/2	976.46	1/2	616.48
3/4		3/4	3,514.27	3/4	3,151.27	3/4	2,787.84	3/4	2,423.88	3/4	2,059.93	3/4	1,695.97	3/4	1,332.76	3/4	968.90	3/4	609.29
3		3	3,506.75	3	3,143.70	3	2,780.25	3	2,416.30	3	2,052.34	3	1,688.39	3	1,325.17	3	961.33	3	602.10
1/4		1/4	3,499.22	1/4	3,136.13	1/4	2,772.67	1/4	2,408.72	1/4	2,044.76	1/4	1,680.81	1/4	1,317.59	1/4	953.77	1/4	595.02
1/2		1/2	3,491.69	1/2	3,128.57	1/2	2,765.09	1/2	2,401.13	1/2	2,037.18	1/2	1,673.22	1/2	1,310.01	1/2	946.21	1/2	587.94
3/4		3/4	3,484.16	3/4	3,121.00	3/4	2,757.51	3/4	2,393.55	3/4	2,029.60	3/4	1,665.64	3/4	1,302.42	3/4	938.65	3/4	580.86
4		4	3,476.63	4	3,113.43	4	2,749.93	4	2,385.97	4	2,022.01	4	1,658.06	4	1,294.84	4	931.10	4	573.78
1/4		1/4	3,469.07	1/4	3,105.87	1/4	2,742.34	1/4	2,378.39	1/4	2,014.43	1/4	1,650.50	1/4	1,287.26	1/4	923.54	1/4	566.81
1/2		1/2	3,461.50	1/2	3,098.30	1/2	2,734.76	1/2	2,370.81	1/2	2,006.85	1/2	1,642.95	1/2	1,279.68	1/2	915.98	1/2	559.84
3/4		3/4	3,453.94	3/4	3,090.73	3/4	2,727.18	3/4	2,363.22	3/4	1,999.27	3/4	1,635.40	3/4	1,272.09	3/4	908.42	3/4	552.87
5		5	3,446.38	5	3,083.17	5	2,719.60	5	2,355.64	5	1,991.69	5	1,627.84	5	1,264.51	5	900.86	5	545.90
1/4		1/4	3,438.81	1/4	3,075.60	1/4	2,712.01	1/4	2,348.06	1/4	1,984.10	1/4	1,620.29	1/4	1,256.93	1/4	893.31	1/4	539.04
1/2		1/2	3,431.25	1/2	3,068.03	1/2	2,704.43	1/2	2,340.48	1/2	1,976.52	1/2	1,612.74	1/2	1,249.34	1/2	885.75	1/2	532.19
3/4		3/4	3,423.68	3/4	3,060.46	3/4	2,696.85	3/4	2,332.89	3/4	1,968.94	3/4	1,605.19	3/4	1,241.76	3/4	878.20	3/4	525.33
6		6	3,416.11	6	3,052.90	6	2,689.27	6	2,325.31	6	1,961.36	6	1,597.64	6	1,234.18	6	870.65	6	518.47
1/4		1/4	3,408.55	1/4	3,045.33	1/4	2,681.68	1/4	2,317.73	1/4	1,953.77	1/4	1,590.09	1/4	1,226.59	1/4	863.09	1/4	511.73
1/2	3,729.75	1/2	3,400.98	1/2	3,037.76	1/2	2,674.10	1/2	2,310.15	1/2	1,946.19	1/2	1,582.53	1/2	1,219.01	1/2	855.54	1/2	504.99
3/4	3,725.73	3/4	3,393.41	3/4	3,030.20	3/4	2,666.52	3/4	2,302.56	3/4	1,938.61	3/4	1,574.98	3/4	1,211.43	3/4	847.98	3/4	498.24
7	3,721.71	7	3,385.85	7	3,022.63	7	2,658.94	7	2,294.98	7	1,931.03	7	1,567.43	7	1,203.85	7	840.43	7	491.50
1/4	3,716.93	1/4	3,378.28	1/4	3,015.06	1/4	2,651.35	1/4	2,287.40	1/4	1,923.44	1/4	1,559.88	1/4	1,196.26	1/4	832.87	1/4	485.01
1/2	3,712.15	1/2	3,370.71	1/2	3,007.50	1/2	2,643.77	1/2	2,279.82	1/2	1,915.86	1/2	1,552.33	1/2	1,188.68	1/2	825.32	1/2	478.52
3/4	3,707.37	3/4	3,363.14	3/4	2,999.93	3/4	2,636.19	3/4	2,272.23	3/4	1,908.28	3/4	1,544.78	3/4	1,181.10	3/4	817.77	3/4	472.03
8	3,702.59	8	3,355.58	8	2,992.36	8	2,628.61	8	2,264.65	8	1,900.70	8	1,537.23	8	1,173.51	8	810.21	8	465.54
1/4	3,697.05	1/4	3,348.01	1/4	2,984.79	1/4	2,621.02	1/4	2,257.07	1/4	1,893.11	1/4	1,529.68	1/4	1,165.93	1/4	802.66	1/4	459.32
1/2	3,691.51	1/2	3,340.44	1/2	2,977.23	1/2	2,613.44	1/2	2,249.49	1/2	1,885.53	1/2	1,522.13	1/2	1,158.35	1/2	795.10	1/2	453.09
3/4	3,685.97	3/4	3,332.88	3/4	2,969.66	3/4	2,605.86	3/4	2,241.90	3/4	1,877.95	3/4	1,514.57	3/4	1,150.76	3/4	787.55	3/4	446.87
9	3,680.43	9	3,325.31	9	2,962.09	9	2,598.28	9	2,234.32	9	1,870.37	9	1,507.02	9	1,143.18	9	779.99	9	440.65
1/4	3,674.14	1/4	3,317.74	1/4	2,954.53	1/4	2,590.69	1/4	2,226.74	1/4	1,862.78	1/4	1,499.47	1/4	1,135.60	1/4	772.44	1/4	434.56
1/2	3,667.84	1/2	3,310.18	1/2	2,946.96	1/2	2,583.11	1/2	2,219.16	1/2	1,855.20	1/2	1,491.92	1/2	1,128.02	1/2	764.89	1/2	428.47
3/4	3,661.54	3/4	3,302.61	3/4	2,939.39	3/4	2,575.53	3/4	2,211.57	3/4	1,847.62	3/4	1,484.37	3/4	1,120.43	3/4	757.33	3/4	422.37
10	3,655.24	10	3,295.04	10	2,931.83	10	2,567.95	10	2,203.99	10	1,840.04	10	1,476.82	10	1,112.85	10	749.78	10	416.28
1/4	3,648.19	1/4	3,287.47	1/4	2,924.26	1/4	2,560.37	1/4	2,196.41	1/4	1,832.45	1/4	1,469.24	1/4	1,105.27	1/4	742.23	1/4	410.30
1/2	3,641.13	1/2	3,279.91	1/2	2,916.69	1/2	2,552.78	1/2	2,188.83	1/2	1,824.87	1/2	1,461.66	1/2	1,097.68	1/2	734.68	1/2	404.32
3/4	3,634.08	3/4	3,272.34	3/4	2,909.12	3/4	2,545.20	3/4	2,181.25	3/4	1,817.29	3/4	1,454.08	3/4	1,090.10	3/4	727.13	3/4	398.34
11	3,627.02	11	3,264.77	11	2,901.56	11	2,537.62	11	2,173.66	11	1,809.71	11	1,446.50	11	1,082.52	11	719.58	11	392.36
1/4	3,619.54	1/4	3,257.21	1/4	2,893.98	1/4	2,530.04	1/4	2,166.08	1/4	1,802.13	1/4	1,438.92	1/4	1,074.93	1/4	712.09	1/4	386.50
1/2	3,612.06	1/2	3,249.64	1/2	2,886.40	1/2	2,522.45	1/2	2,158.50	1/2	1,794.54	1/2	1,431.34	1/2	1,067.35	1/2	704.60	1/2	380.63
3/4	3,604.58	3/4	3,242.07	3/4	2,878.82	3/4	2,514.87	3/4	2,150.92	3/4	1,786.96	3/4	1,423.75	3/4	1,059.77	3/4	697.11	3/4	374.76

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO UNDERSIDE OF DECK AT GAUGE POINT.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH 8" ULLAGE HATCH.

GAUGE POINT: (8" ULLAGE HATCH) LOCATED 12'-09" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>





BARGE "MPC 708"

1 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-06"

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	368.89	0	108.93	0		0		0		0		0		0		0		0	
1/4	363.13	1/4	104.20	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	357.38	1/2	99.47	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	351.62	3/4	94.74	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	345.86	1	90.01	1		1		1		1		1		1		1		1	
1/4	340.08	1/4	85.53	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	334.30	1/2	81.05	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	328.51	3/4	76.56	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	322.73	2	72.08	2		2		2		2		2		2		2		2	
1/4	316.89	1/4	67.87	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	311.06	1/2	63.66	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	305.23	3/4	59.45	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	299.39	3	55.24	3		3		3		3		3		3		3		3	
1/4	293.65	1/4	51.05	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	287.91	1/2	46.85	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	282.17	3/4	42.66	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	276.43	4	38.47	4		4		4		4		4		4		4		4	
1/4	270.80	1/4	35.03	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	265.17	1/2	31.60	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	259.54	3/4	28.16	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	253.91	5	24.72	5		5		5		5		5		5		5		5	
1/4	248.39	1/4	22.77	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	242.88	1/2	20.81	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	237.36	3/4	18.85	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	231.84	6	16.90	6		6		6		6		6		6		6		6	
1/4	226.44	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	221.03	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	215.63	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	210.23	7		7		7		7		7		7		7		7		7	
1/4	204.94	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	199.65	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	194.36	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	189.07	8		8		8		8		8		8		8		8		8	
1/4	183.90	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	178.72	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	173.55	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	168.37	9		9		9		9		9		9		9		9		9	
1/4	163.30	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158.24	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153.17	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	148.11	10		10		10		10		10		10		10		10		10	
1/4	143.16	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	138.20	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	133.25	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	128.30	11		11		11		11		11		11		11		11		11	
1/4	123.46	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	118.62	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	113.77	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/19/2015 CL
CALCULATED: 11/20/2015 CL
RINTED: 11/21/2015 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2015

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



BARGE "MPC 708"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-06 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	3,749.38	0	3,391.42	0	3,032.70	0	2,673.29	0	2,313.88	0	1,954.47	0	1,599.04	0	1,240.47	0	898.10
1/4		1/4	3,742.00	1/4	3,383.95	1/4	3,025.21	1/4	2,665.80	1/4	2,306.39	1/4	1,946.98	1/4	1,591.55	1/4	1,233.28	1/4	890.97
1/2		1/2	3,734.56	1/2	3,376.47	1/2	3,017.72	1/2	2,658.31	1/2	2,298.90	1/2	1,939.49	1/2	1,584.07	1/2	1,226.12	1/2	883.84
3/4		3/4	3,727.13	3/4	3,369.00	3/4	3,010.23	3/4	2,650.82	3/4	2,291.41	3/4	1,932.00	3/4	1,576.58	3/4	1,218.97	3/4	876.72
1		1	3,719.69	1	3,361.53	1	3,002.75	1	2,643.34	1	2,283.93	1	1,924.52	1	1,569.09	1	1,211.81	1	869.59
1/4		1/4	3,712.26	1/4	3,354.06	1/4	2,995.26	1/4	2,635.85	1/4	2,276.44	1/4	1,917.03	1/4	1,561.60	1/4	1,204.66	1/4	862.46
1/2		1/2	3,704.82	1/2	3,346.58	1/2	2,987.77	1/2	2,628.36	1/2	2,268.95	1/2	1,909.54	1/2	1,554.11	1/2	1,197.52	1/2	855.02
3/4		3/4	3,697.39	3/4	3,339.11	3/4	2,980.28	3/4	2,620.87	3/4	2,261.46	3/4	1,902.05	3/4	1,546.62	3/4	1,190.38	3/4	847.58
2		2	3,689.95	2	3,331.64	2	2,972.80	2	2,613.39	2	2,253.98	2	1,894.57	2	1,539.14	2	1,183.24	2	840.13
1/4		1/4	3,682.52	1/4	3,324.17	1/4	2,965.31	1/4	2,605.90	1/4	2,246.49	1/4	1,887.08	1/4	1,531.65	1/4	1,176.10	1/4	832.69
1/2		1/2	3,675.08	1/2	3,316.69	1/2	2,957.82	1/2	2,598.41	1/2	2,239.00	1/2	1,879.59	1/2	1,524.16	1/2	1,168.97	1/2	825.20
3/4		3/4	3,667.65	3/4	3,309.22	3/4	2,950.33	3/4	2,590.92	3/4	2,231.51	3/4	1,872.10	3/4	1,516.67	3/4	1,161.83	3/4	817.72
3		3	3,660.21	3	3,301.75	3	2,942.84	3	2,583.43	3	2,224.03	3	1,864.62	3	1,509.18	3	1,154.69	3	810.23
1/4		1/4	3,652.78	1/4	3,294.28	1/4	2,935.36	1/4	2,575.95	1/4	2,216.54	1/4	1,857.13	1/4	1,501.69	1/4	1,147.56	1/4	802.74
1/2		1/2	3,645.35	1/2	3,286.80	1/2	2,927.87	1/2	2,568.46	1/2	2,209.05	1/2	1,849.64	1/2	1,494.21	1/2	1,140.43	1/2	795.25
3/4		3/4	3,637.91	3/4	3,279.33	3/4	2,920.38	3/4	2,560.97	3/4	2,201.56	3/4	1,842.15	3/4	1,486.72	3/4	1,133.29	3/4	787.76
4		4	3,630.48	4	3,271.86	4	2,912.89	4	2,553.48	4	2,194.07	4	1,834.66	4	1,479.23	4	1,126.16	4	780.27
1/4		1/4	3,623.04	1/4	3,264.39	1/4	2,905.41	1/4	2,546.00	1/4	2,186.59	1/4	1,827.18	1/4	1,471.74	1/4	1,119.03	1/4	772.79
1/2		1/2	3,615.57	1/2	3,256.91	1/2	2,897.92	1/2	2,538.51	1/2	2,179.10	1/2	1,819.83	1/2	1,464.25	1/2	1,111.90	1/2	765.30
3/4		3/4	3,608.11	3/4	3,249.44	3/4	2,890.43	3/4	2,531.02	3/4	2,171.61	3/4	1,812.49	3/4	1,456.76	3/4	1,104.77	3/4	757.81
5		5	3,600.64	5	3,241.97	5	2,882.94	5	2,523.53	5	2,164.12	5	1,805.15	5	1,449.27	5	1,097.64	5	750.32
1/4		1/4	3,593.17	1/4	3,234.50	1/4	2,875.45	1/4	2,516.05	1/4	2,156.64	1/4	1,797.81	1/4	1,441.79	1/4	1,090.51	1/4	742.83
1/2		1/2	3,585.70	1/2	3,227.03	1/2	2,867.97	1/2	2,508.56	1/2	2,149.15	1/2	1,790.49	1/2	1,434.30	1/2	1,083.39	1/2	735.35
3/4		3/4	3,578.23	3/4	3,219.55	3/4	2,860.48	3/4	2,501.07	3/4	2,141.66	3/4	1,783.16	3/4	1,426.81	3/4	1,076.26	3/4	727.86
6		6	3,570.76	6	3,212.08	6	2,852.99	6	2,493.58	6	2,134.17	6	1,775.84	6	1,419.32	6	1,069.13	6	720.37
1/4		1/4	3,563.28	1/4	3,204.61	1/4	2,845.50	1/4	2,486.09	1/4	2,126.68	1/4	1,768.52	1/4	1,411.83	1/4	1,062.01	1/4	712.88
1/2		1/2	3,555.81	1/2	3,197.14	1/2	2,838.02	1/2	2,478.61	1/2	2,119.20	1/2	1,761.20	1/2	1,404.34	1/2	1,054.88	1/2	705.40
3/4	3,872.98	3/4	3,548.34	3/4	3,189.66	3/4	2,830.53	3/4	2,471.12	3/4	2,111.71	3/4	1,753.88	3/4	1,396.86	3/4	1,047.75	3/4	697.91
7	3,869.01	7	3,540.87	7	3,182.19	7	2,823.04	7	2,463.63	7	2,104.22	7	1,746.56	7	1,389.37	7	1,040.63	7	690.43
1/4	3,865.04	1/4	3,533.39	1/4	3,174.72	1/4	2,815.55	1/4	2,456.14	1/4	2,096.73	1/4	1,739.24	1/4	1,381.88	1/4	1,033.50	1/4	682.94
1/2	3,860.32	1/2	3,525.92	1/2	3,167.25	1/2	2,808.07	1/2	2,448.66	1/2	2,089.25	1/2	1,731.91	1/2	1,374.39	1/2	1,026.37	1/2	675.60
3/4	3,855.60	3/4	3,518.45	3/4	3,159.77	3/4	2,800.58	3/4	2,441.17	3/4	2,081.76	3/4	1,724.59	3/4	1,366.90	3/4	1,019.25	3/4	668.25
8	3,850.88	8	3,510.98	8	3,152.30	8	2,793.09	8	2,433.68	8	2,074.27	8	1,717.27	8	1,359.41	8	1,012.12	8	660.91
1/4	3,846.16	1/4	3,503.50	1/4	3,144.83	1/4	2,785.60	1/4	2,426.19	1/4	2,066.78	1/4	1,709.95	1/4	1,351.93	1/4	1,004.99	1/4	653.56
1/2	3,840.69	1/2	3,496.03	1/2	3,137.36	1/2	2,778.11	1/2	2,418.71	1/2	2,059.30	1/2	1,702.63	1/2	1,344.44	1/2	997.87	1/2	646.37
3/4	3,835.22	3/4	3,488.56	3/4	3,129.88	3/4	2,770.63	3/4	2,411.22	3/4	2,051.81	3/4	1,695.31	3/4	1,336.95	3/4	990.74	3/4	639.18
9	3,829.75	9	3,481.09	9	3,122.41	9	2,763.14	9	2,403.73	9	2,044.32	9	1,687.99	9	1,329.46	9	983.61	9	632.00
1/4	3,824.28	1/4	3,473.61	1/4	3,114.94	1/4	2,755.65	1/4	2,396.24	1/4	2,036.83	1/4	1,680.66	1/4	1,321.97	1/4	976.49	1/4	624.81
1/2	3,818.07	1/2	3,466.14	1/2	3,107.47	1/2	2,748.16	1/2	2,388.75	1/2	2,029.34	1/2	1,673.34	1/2	1,314.48	1/2	969.36	1/2	617.64
3/4	3,811.85	3/4	3,458.67	3/4	3,099.99	3/4	2,740.68	3/4	2,381.27	3/4	2,021.86	3/4	1,666.02	3/4	1,307.00	3/4	962.23	3/4	610.47
10	3,805.63	10	3,451.20	10	3,092.52	10	2,733.19	10	2,373.78	10	2,014.37	10	1,658.70	10	1,299.51	10	955.11	10	603.30
1/4	3,799.41	1/4	3,443.73	1/4	3,085.05	1/4	2,725.70	1/4	2,366.29	1/4	2,006.88	1/4	1,651.38	1/4	1,292.02	1/4	947.98	1/4	596.13
1/2	3,792.45	1/2	3,436.25	1/2	3,077.58	1/2	2,718.21	1/2	2,358.80	1/2	1,999.39	1/2	1,643.91	1/2	1,284.53	1/2	940.85	1/2	588.96
3/4	3,785.48	3/4	3,428.78	3/4	3,070.10	3/4	2,710.73	3/4	2,351.32	3/4	1,991.91	3/4	1,636.44	3/4	1,277.04	3/4	933.73	3/4	581.80
11	3,778.51	11	3,421.31	11	3,062.63	11	2,703.24	11	2,343.83	11	1,984.42	11	1,628.98	11	1,269.55	11	926.60	11	574.63
1/4	3,771.55	1/4	3,413.84	1/4	3,055.16	1/4	2,695.75	1/4	2,336.34	1/4	1,976.93	1/4	1,621.51	1/4	1,262.06	1/4	919.48	1/4	567.46
1/2	3,764.16	1/2	3,406.36	1/2	3,047.67	1/2	2,688.26	1/2	2,328.85	1/2	1,969.44	1/2	1,614.02	1/2	1,254.87	1/2	912.35	1/2	560.29
3/4	3,756.77	3/4	3,398.89	3/4	3,040.18	3/4	2,680.77	3/4	2,321.37	3/4	1,961.96	3/4	1,606.53	3/4	1,247.67	3/4	905.22	3/4	553.12

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO UNDERSIDE OF DECK AT GAUGE POINT.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH 8" ULLAGE HATCH.
GAUGE POINT: (8" ULLAGE HATCH) LOCATED 12'-09" OFF CENTERLINE AND 44'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "MPC 708"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-06 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	545.95	0	189.06	0		0		0		0		0		0		0		0	
1/4	538.78	1/4	181.57	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	531.61	1/2	174.09	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	524.45	3/4	166.61	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	517.28	1	159.13	1		1		1		1		1		1		1		1	
1/4	510.11	1/4	151.65	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	502.80	1/2	144.30	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	495.49	3/4	136.96	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	488.18	2	129.61	2		2		2		2		2		2		2		2	
1/4	480.87	1/4	122.26	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	473.41	1/2	115.08	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	465.94	3/4	107.89	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	458.47	3	100.71	3		3		3		3		3		3		3		3	
1/4	451.00	1/4	93.52	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	443.51	1/2	86.24	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	436.03	3/4	78.96	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	428.54	4	71.69	4		4		4		4		4		4		4		4	
1/4	421.05	1/4	64.41	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	413.56	1/2	57.76	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	406.07	3/4	51.12	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	398.59	5	44.47	5		5		5		5		5		5		5		5	
1/4	391.10	1/4	37.83	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	383.61	1/2	32.91	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	376.12	3/4	28.00	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	368.63	6	23.09	6		6		6		6		6		6		6		6	
1/4	361.14	1/4	18.17	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	353.66	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	346.17	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	338.69	7		7		7		7		7		7		7		7		7	
1/4	331.20	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	323.72	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	316.24	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	308.76	8		8		8		8		8		8		8		8		8	
1/4	301.28	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	293.79	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	286.31	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	278.83	9		9		9		9		9		9		9		9		9	
1/4	271.35	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	263.87	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	256.39	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	248.91	10		10		10		10		10		10		10		10		10	
1/4	241.43	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	233.94	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	226.46	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	218.98	11		11		11		11		11		11		11		11		11	
1/4	211.50	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	204.02	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	196.54	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/19/2015 CL
CALCULATED: 11/20/2015 CL
RINTED: 11/21/2015 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2015

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



BARGE "MPC 708"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-06 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	3,764.68	0	3,407.03	0	3,048.64	0	2,689.55	0	2,330.46	0	1,971.36	0	1,616.26	0	1,257.13	0	899.12
1/4		1/4	3,757.30	1/4	3,399.57	1/4	3,041.16	1/4	2,682.07	1/4	2,322.98	1/4	1,963.88	1/4	1,608.78	1/4	1,249.65	1/4	891.67
1/2		1/2	3,749.87	1/2	3,392.10	1/2	3,033.68	1/2	2,674.59	1/2	2,315.49	1/2	1,956.40	1/2	1,601.30	1/2	1,242.17	1/2	884.22
3/4		3/4	3,742.45	3/4	3,384.64	3/4	3,026.20	3/4	2,667.11	3/4	2,308.01	3/4	1,948.92	3/4	1,593.81	3/4	1,234.69	3/4	876.76
1		1	3,735.02	1	3,377.17	1	3,018.72	1	2,659.63	1	2,300.53	1	1,941.44	1	1,586.33	1	1,227.21	1	869.31
1/4		1/4	3,727.59	1/4	3,369.71	1/4	3,011.24	1/4	2,652.14	1/4	2,293.05	1/4	1,933.96	1/4	1,578.85	1/4	1,219.72	1/4	861.86
1/2		1/2	3,720.16	1/2	3,362.24	1/2	3,003.76	1/2	2,644.66	1/2	2,285.57	1/2	1,926.48	1/2	1,571.37	1/2	1,212.26	1/2	854.38
3/4		3/4	3,712.73	3/4	3,354.77	3/4	2,996.27	3/4	2,637.18	3/4	2,278.09	3/4	1,919.00	3/4	1,563.89	3/4	1,204.79	3/4	846.90
2		2	3,705.31	2	3,347.31	2	2,988.79	2	2,629.70	2	2,270.61	2	1,911.52	2	1,556.41	2	1,197.33	2	839.42
1/4		1/4	3,697.88	1/4	3,339.84	1/4	2,981.31	1/4	2,622.22	1/4	2,263.13	1/4	1,904.03	1/4	1,548.92	1/4	1,189.86	1/4	831.95
1/2		1/2	3,690.45	1/2	3,332.38	1/2	2,973.83	1/2	2,614.74	1/2	2,255.65	1/2	1,896.55	1/2	1,541.44	1/2	1,182.40	1/2	824.46
3/4		3/4	3,683.02	3/4	3,324.91	3/4	2,966.35	3/4	2,607.26	3/4	2,248.16	3/4	1,889.07	3/4	1,533.96	3/4	1,174.94	3/4	816.98
3		3	3,675.59	3	3,317.45	3	2,958.87	3	2,599.78	3	2,240.68	3	1,881.59	3	1,526.48	3	1,167.48	3	809.50
1/4		1/4	3,668.17	1/4	3,309.98	1/4	2,951.39	1/4	2,592.30	1/4	2,233.20	1/4	1,874.11	1/4	1,519.00	1/4	1,160.01	1/4	802.02
1/2		1/2	3,660.74	1/2	3,302.52	1/2	2,943.91	1/2	2,584.81	1/2	2,225.72	1/2	1,866.63	1/2	1,511.51	1/2	1,152.55	1/2	794.54
3/4		3/4	3,653.31	3/4	3,295.05	3/4	2,936.43	3/4	2,577.33	3/4	2,218.24	3/4	1,859.15	3/4	1,504.03	3/4	1,145.10	3/4	787.06
4		4	3,645.88	4	3,287.58	4	2,928.95	4	2,569.85	4	2,210.76	4	1,851.67	4	1,496.55	4	1,137.64	4	779.58
1/4		1/4	3,638.45	1/4	3,280.12	1/4	2,921.46	1/4	2,562.37	1/4	2,203.28	1/4	1,844.19	1/4	1,489.07	1/4	1,130.18	1/4	772.09
1/2		1/2	3,630.99	1/2	3,272.65	1/2	2,913.98	1/2	2,554.89	1/2	2,195.80	1/2	1,836.85	1/2	1,481.59	1/2	1,122.73	1/2	764.61
3/4		3/4	3,623.53	3/4	3,265.19	3/4	2,906.50	3/4	2,547.41	3/4	2,188.32	3/4	1,829.51	3/4	1,474.11	3/4	1,115.27	3/4	757.13
5		5	3,616.07	5	3,257.72	5	2,899.02	5	2,539.93	5	2,180.84	5	1,822.18	5	1,466.62	5	1,107.81	5	749.65
1/4		1/4	3,608.61	1/4	3,250.26	1/4	2,891.54	1/4	2,532.45	1/4	2,173.35	1/4	1,814.84	1/4	1,459.14	1/4	1,100.36	1/4	742.17
1/2		1/2	3,601.14	1/2	3,242.79	1/2	2,884.06	1/2	2,524.97	1/2	2,165.87	1/2	1,807.53	1/2	1,451.66	1/2	1,092.90	1/2	734.69
3/4		3/4	3,593.68	3/4	3,235.32	3/4	2,876.58	3/4	2,517.48	3/4	2,158.39	3/4	1,800.21	3/4	1,444.18	3/4	1,085.45	3/4	727.20
6		6	3,586.21	6	3,227.86	6	2,869.10	6	2,510.00	6	2,150.91	6	1,792.90	6	1,436.70	6	1,077.99	6	719.72
1/4		1/4	3,578.75	1/4	3,220.39	1/4	2,861.62	1/4	2,502.52	1/4	2,143.43	1/4	1,785.58	1/4	1,429.22	1/4	1,070.54	1/4	712.24
1/2		1/2	3,571.28	1/2	3,212.93	1/2	2,854.13	1/2	2,495.04	1/2	2,135.95	1/2	1,778.27	1/2	1,421.73	1/2	1,063.09	1/2	704.76
3/4	3,888.17	3/4	3,563.81	3/4	3,205.46	3/4	2,846.65	3/4	2,487.56	3/4	2,128.47	3/4	1,770.95	3/4	1,414.25	3/4	1,055.64	3/4	697.28
7	3,884.20	7	3,556.35	7	3,198.00	7	2,839.17	7	2,480.08	7	2,120.99	7	1,763.64	7	1,406.77	7	1,048.18	7	689.81
1/4	3,880.24	1/4	3,548.88	1/4	3,190.53	1/4	2,831.69	1/4	2,472.60	1/4	2,113.51	1/4	1,756.33	1/4	1,399.29	1/4	1,040.73	1/4	682.33
1/2	3,875.52	1/2	3,541.42	1/2	3,183.06	1/2	2,824.21	1/2	2,465.12	1/2	2,106.02	1/2	1,749.01	1/2	1,391.81	1/2	1,033.28	1/2	674.99
3/4	3,870.80	3/4	3,533.95	3/4	3,175.60	3/4	2,816.73	3/4	2,457.64	3/4	2,098.54	3/4	1,741.70	3/4	1,384.32	3/4	1,025.82	3/4	667.65
8	3,866.09	8	3,526.49	8	3,168.13	8	2,809.25	8	2,450.15	8	2,091.06	8	1,734.38	8	1,376.84	8	1,018.37	8	660.31
1/4	3,861.37	1/4	3,519.02	1/4	3,160.67	1/4	2,801.77	1/4	2,442.67	1/4	2,083.58	1/4	1,727.07	1/4	1,369.36	1/4	1,010.92	1/4	652.97
1/2	3,855.91	1/2	3,511.55	1/2	3,153.20	1/2	2,794.29	1/2	2,435.19	1/2	2,076.10	1/2	1,719.75	1/2	1,361.88	1/2	1,003.46	1/2	645.79
3/4	3,850.45	3/4	3,504.09	3/4	3,145.74	3/4	2,786.80	3/4	2,427.71	3/4	2,068.62	3/4	1,712.44	3/4	1,354.40	3/4	996.01	3/4	638.61
9	3,844.98	9	3,496.62	9	3,138.27	9	2,779.32	9	2,420.23	9	2,061.14	9	1,705.12	9	1,346.92	9	988.56	9	631.43
1/4	3,839.52	1/4	3,489.16	1/4	3,130.80	1/4	2,771.84	1/4	2,412.75	1/4	2,053.66	1/4	1,697.81	1/4	1,339.43	1/4	981.11	1/4	624.25
1/2	3,833.31	1/2	3,481.69	1/2	3,123.34	1/2	2,764.36	1/2	2,405.27	1/2	2,046.18	1/2	1,690.49	1/2	1,331.95	1/2	973.65	1/2	617.09
3/4	3,827.09	3/4	3,474.23	3/4	3,115.87	3/4	2,756.88	3/4	2,397.79	3/4	2,038.69	3/4	1,683.18	3/4	1,324.47	3/4	966.20	3/4	609.92
10	3,820.88	10	3,466.76	10	3,108.41	10	2,749.40	10	2,390.31	10	2,031.21	10	1,675.86	10	1,316.99	10	958.75	10	602.76
1/4	3,814.67	1/4	3,459.29	1/4	3,100.94	1/4	2,741.92	1/4	2,382.82	1/4	2,023.73	1/4	1,668.55	1/4	1,309.51	1/4	951.29	1/4	595.60
1/2	3,807.71	1/2	3,451.83	1/2	3,093.48	1/2	2,734.44	1/2	2,375.34	1/2	2,016.25	1/2	1,661.09	1/2	1,302.02	1/2	943.84	1/2	588.44
3/4	3,800.75	3/4	3,444.36	3/4	3,086.01	3/4	2,726.96	3/4	2,367.86	3/4	2,008.77	3/4	1,653.63	3/4	1,294.54	3/4	936.39	3/4	581.28
11	3,793.79	11	3,436.90	11	3,078.54	11	2,719.47	11	2,360.38	11	2,001.29	11	1,646.17	11	1,287.06	11	928.93	11	574.11
1/4	3,786.83	1/4	3,429.43	1/4	3,071.08	1/4	2,711.99	1/4	2,352.90	1/4	1,993.81	1/4	1,638.71	1/4	1,279.58	1/4	921.48	1/4	566.95
1/2	3,779.45	1/2	3,421.97	1/2	3,063.60	1/2	2,704.51	1/2	2,345.42	1/2	1,986.33	1/2	1,631.22	1/2	1,272.10	1/2	914.03	1/2	559.79
3/4	3,772.06	3/4	3,414.50	3/4	3,056.12	3/4	2,697.03	3/4	2,337.94	3/4	1,978.85	3/4	1,623.74	3/4	1,264.62	3/4	906.58	3/4	552.63

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO UNDERSIDE OF DECK AT GAUGE POINT.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH 8" ULLAGE HATCH.

GAUGE POINT: (8" ULLAGE HATCH) LOCATED 12'-09" OFF CENTERLINE AND 44'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "MPC 708"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-06 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	545.47	0	188.89	0		0		0		0		0		0		0		0	
1/4	538.30	1/4	181.41	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	531.14	1/2	173.94	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	523.98	3/4	166.46	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	516.82	1	158.99	1		1		1		1		1		1		1		1	
1/4	509.66	1/4	151.52	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	502.35	1/2	144.18	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	495.05	3/4	136.84	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	487.75	2	129.50	2		2		2		2		2		2		2		2	
1/4	480.45	1/4	122.16	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	472.99	1/2	114.98	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	465.52	3/4	107.80	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	458.06	3	100.62	3		3		3		3		3		3		3		3	
1/4	450.60	1/4	93.44	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	443.12	1/2	86.17	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	435.64	3/4	78.90	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	428.16	4	71.62	4		4		4		4		4		4		4		4	
1/4	420.68	1/4	64.35	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	413.19	1/2	57.17	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	405.71	3/4	51.07	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	398.23	5	44.44	5		5		5		5		5		5		5		5	
1/4	390.75	1/4	37.80	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	383.27	1/2	32.89	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	375.79	3/4	27.98	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	368.31	6	23.07	6		6		6		6		6		6		6		6	
1/4	360.82	1/4	18.15	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	353.35	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	345.87	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	338.39	7		7		7		7		7		7		7		7		7	
1/4	330.91	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	323.43	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	315.96	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	308.48	8		8		8		8		8		8		8		8		8	
1/4	301.01	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	293.53	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	286.06	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	278.59	9		9		9		9		9		9		9		9		9	
1/4	271.11	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	263.64	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	256.16	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	248.69	10		10		10		10		10		10		10		10		10	
1/4	241.21	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	233.74	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	226.26	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	218.79	11		11		11		11		11		11		11		11		11	
1/4	211.31	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	203.84	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	196.36	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/19/2015 CL
CALCULATED: 11/20/2015 CL
RINTED: 11/21/2015 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2015

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



BARGE "MPC 708"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-06 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	3,723.82	0	3,368.23	0	3,011.88	0	2,654.84	0	2,297.80	0	1,940.93	0	1,587.88	0	1,232.05	0	892.95
1/4		1/4	3,716.48	1/4	3,360.80	1/4	3,004.45	1/4	2,647.40	1/4	2,290.36	1/4	1,933.50	1/4	1,580.45	1/4	1,224.92	1/4	885.89
1/2		1/2	3,709.10	1/2	3,353.38	1/2	2,997.01	1/2	2,639.97	1/2	2,282.92	1/2	1,926.07	1/2	1,573.02	1/2	1,217.83	1/2	878.83
3/4		3/4	3,701.71	3/4	3,345.96	3/4	2,989.57	3/4	2,632.53	3/4	2,275.48	3/4	1,918.64	3/4	1,565.59	3/4	1,210.74	3/4	871.77
1		1	3,694.33	1	3,338.53	1	2,982.13	1	2,625.09	1	2,268.05	1	1,911.21	1	1,558.16	1	1,203.66	1	864.72
1/4		1/4	3,686.94	1/4	3,331.11	1/4	2,974.69	1/4	2,617.65	1/4	2,260.61	1/4	1,903.78	1/4	1,550.72	1/4	1,196.57	1/4	857.66
1/2		1/2	3,679.56	1/2	3,323.69	1/2	2,967.26	1/2	2,610.21	1/2	2,253.17	1/2	1,896.35	1/2	1,543.29	1/2	1,189.50	1/2	850.26
3/4		3/4	3,672.17	3/4	3,316.26	3/4	2,959.82	3/4	2,602.77	3/4	2,245.73	3/4	1,888.92	3/4	1,535.86	3/4	1,182.43	3/4	842.87
2		2	3,664.79	2	3,308.84	2	2,952.38	2	2,595.34	2	2,238.29	2	1,881.49	2	1,528.43	2	1,175.36	2	835.48
1/4		1/4	3,657.40	1/4	3,301.42	1/4	2,944.94	1/4	2,587.90	1/4	2,230.85	1/4	1,874.06	1/4	1,520.99	1/4	1,168.29	1/4	828.08
1/2		1/2	3,650.02	1/2	3,294.00	1/2	2,937.50	1/2	2,580.46	1/2	2,223.42	1/2	1,866.63	1/2	1,513.56	1/2	1,161.22	1/2	820.64
3/4		3/4	3,642.63	3/4	3,286.57	3/4	2,930.06	3/4	2,573.02	3/4	2,215.98	3/4	1,859.19	3/4	1,506.13	3/4	1,154.15	3/4	813.20
3		3	3,635.25	3	3,279.15	3	2,922.63	3	2,565.58	3	2,208.54	3	1,851.76	3	1,498.70	3	1,147.08	3	805.76
1/4		1/4	3,627.86	1/4	3,271.73	1/4	2,915.19	1/4	2,558.14	1/4	2,201.10	1/4	1,844.33	1/4	1,491.27	1/4	1,140.02	1/4	798.31
1/2		1/2	3,620.48	1/2	3,264.30	1/2	2,907.75	1/2	2,550.71	1/2	2,193.66	1/2	1,836.90	1/2	1,483.83	1/2	1,132.95	1/2	790.87
3/4		3/4	3,613.09	3/4	3,256.88	3/4	2,900.31	3/4	2,543.27	3/4	2,186.22	3/4	1,829.47	3/4	1,476.40	3/4	1,125.89	3/4	783.43
4		4	3,605.71	4	3,249.46	4	2,892.87	4	2,535.83	4	2,178.79	4	1,822.04	4	1,468.97	4	1,118.83	4	775.99
1/4		1/4	3,598.32	1/4	3,242.03	1/4	2,885.43	1/4	2,528.39	1/4	2,171.35	1/4	1,814.61	1/4	1,461.54	1/4	1,111.77	1/4	768.55
1/2		1/2	3,590.90	1/2	3,234.61	1/2	2,878.00	1/2	2,520.95	1/2	2,163.91	1/2	1,807.31	1/2	1,454.10	1/2	1,104.70	1/2	761.10
3/4		3/4	3,583.48	3/4	3,227.19	3/4	2,870.56	3/4	2,513.51	3/4	2,156.47	3/4	1,800.01	3/4	1,446.67	3/4	1,097.64	3/4	753.66
5		5	3,576.06	5	3,219.77	5	2,863.12	5	2,506.08	5	2,149.03	5	1,792.72	5	1,439.24	5	1,090.58	5	746.22
1/4		1/4	3,568.65	1/4	3,212.34	1/4	2,855.68	1/4	2,498.64	1/4	2,141.59	1/4	1,785.42	1/4	1,431.81	1/4	1,083.52	1/4	738.78
1/2		1/2	3,561.22	1/2	3,204.92	1/2	2,848.24	1/2	2,491.20	1/2	2,134.16	1/2	1,778.14	1/2	1,424.38	1/2	1,076.46	1/2	731.34
3/4		3/4	3,553.80	3/4	3,197.50	3/4	2,840.80	3/4	2,483.76	3/4	2,126.72	3/4	1,770.86	3/4	1,416.94	3/4	1,069.40	3/4	723.89
6		6	3,546.38	6	3,190.07	6	2,833.36	6	2,476.32	6	2,119.28	6	1,763.58	6	1,409.51	6	1,062.34	6	716.45
1/4		1/4	3,538.95	1/4	3,182.65	1/4	2,825.93	1/4	2,468.88	1/4	2,111.84	1/4	1,756.30	1/4	1,402.08	1/4	1,055.29	1/4	709.01
1/2		1/2	3,531.53	1/2	3,175.23	1/2	2,818.49	1/2	2,461.44	1/2	2,104.41	1/2	1,749.02	1/2	1,394.65	1/2	1,048.23	1/2	701.57
3/4	3,846.61	3/4	3,524.11	3/4	3,167.80	3/4	2,811.05	3/4	2,454.01	3/4	2,096.98	3/4	1,741.74	3/4	1,387.22	3/4	1,041.17	3/4	694.14
7	3,842.66	7	3,516.69	7	3,160.38	7	2,803.61	7	2,446.57	7	2,089.54	7	1,734.46	7	1,379.78	7	1,034.11	7	686.70
1/4	3,838.71	1/4	3,509.26	1/4	3,152.96	1/4	2,796.17	1/4	2,439.13	1/4	2,082.11	1/4	1,727.18	1/4	1,372.35	1/4	1,027.05	1/4	679.26
1/2	3,834.02	1/2	3,501.84	1/2	3,145.54	1/2	2,788.73	1/2	2,431.69	1/2	2,074.68	1/2	1,719.90	1/2	1,364.92	1/2	1,019.99	1/2	671.97
3/4	3,829.32	3/4	3,494.42	3/4	3,138.11	3/4	2,781.30	3/4	2,424.25	3/4	2,067.25	3/4	1,712.63	3/4	1,357.49	3/4	1,012.94	3/4	664.67
8	3,824.63	8	3,486.99	8	3,130.69	8	2,773.86	8	2,416.81	8	2,059.82	8	1,705.35	8	1,350.05	8	1,005.88	8	657.38
1/4	3,819.93	1/4	3,479.57	1/4	3,123.27	1/4	2,766.42	1/4	2,409.38	1/4	2,052.39	1/4	1,698.07	1/4	1,342.62	1/4	998.82	1/4	650.08
1/2	3,814.50	1/2	3,472.15	1/2	3,115.84	1/2	2,758.98	1/2	2,401.94	1/2	2,044.96	1/2	1,690.79	1/2	1,335.19	1/2	991.76	1/2	642.94
3/4	3,809.07	3/4	3,464.72	3/4	3,108.42	3/4	2,751.54	3/4	2,394.50	3/4	2,037.53	3/4	1,683.51	3/4	1,327.76	3/4	984.70	3/4	635.80
9	3,803.64	9	3,457.30	9	3,101.00	9	2,744.10	9	2,387.06	9	2,030.10	9	1,676.23	9	1,320.33	9	977.65	9	628.66
1/4	3,798.21	1/4	3,449.88	1/4	3,093.57	1/4	2,736.67	1/4	2,379.62	1/4	2,022.67	1/4	1,668.95	1/4	1,312.89	1/4	970.59	1/4	621.52
1/2	3,792.04	1/2	3,442.46	1/2	3,086.15	1/2	2,729.23	1/2	2,372.18	1/2	2,015.24	1/2	1,661.67	1/2	1,305.46	1/2	963.53	1/2	614.40
3/4	3,785.87	3/4	3,435.03	3/4	3,078.73	3/4	2,721.79	3/4	2,364.75	3/4	2,007.81	3/4	1,654.39	3/4	1,298.03	3/4	956.47	3/4	607.29
10	3,779.69	10	3,427.61	10	3,071.31	10	2,714.35	10	2,357.31	10	2,000.38	10	1,647.11	10	1,290.60	10	949.41	10	600.17
1/4	3,773.52	1/4	3,420.19	1/4	3,063.88	1/4	2,706.91	1/4	2,349.87	1/4	1,992.95	1/4	1,639.83	1/4	1,283.16	1/4	942.36	1/4	593.05
1/2	3,766.60	1/2	3,412.76	1/2	3,056.46	1/2	2,699.47	1/2	2,342.43	1/2	1,985.51	1/2	1,632.42	1/2	1,275.73	1/2	935.30	1/2	585.93
3/4	3,759.68	3/4	3,405.34	3/4	3,049.04	3/4	2,692.04	3/4	2,334.99	3/4	1,978.08	3/4	1,625.01	3/4	1,268.30	3/4	928.24	3/4	578.81
11	3,752.76	11	3,397.92	11	3,041.61	11	2,684.60	11	2,327.55	11	1,970.65	11	1,617.59	11	1,260.87	11	921.18	11	571.69
1/4	3,745.84	1/4	3,390.49	1/4	3,034.19	1/4	2,677.16	1/4	2,320.12	1/4	1,963.22	1/4	1,610.18	1/4	1,253.44	1/4	914.12	1/4	564.57
1/2	3,738.50	1/2	3,383.07	1/2	3,026.75	1/2	2,669.72	1/2	2,312.68	1/2	1,955.79	1/2	1,602.75	1/2	1,246.31	1/2	907.06	1/2	557.45
3/4	3,731.16	3/4	3,375.65	3/4	3,019.32	3/4	2,662.28	3/4	2,305.24	3/4	1,948.36	3/4	1,595.32	3/4	1,239.18	3/4	900.01	3/4	550.33

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO UNDERSIDE OF DECK AT GAUGE POINT.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH 8" ULLAGE HATCH.
 GAUGE POINT: (8" ULLAGE HATCH) LOCATED 12'-09" OFF CENTERLINE AND 50'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>





BARGE "MPC 708"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-06 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	543.21	0	188.18	0		0		0		0		0		0		0		0	
1/4	536.09	1/4	180.73	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	528.97	1/2	173.28	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	521.84	3/4	165.83	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	514.72	1	158.39	1		1		1		1		1		1		1		1	
1/4	507.60	1/4	150.94	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	500.34	1/2	143.63	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	493.07	3/4	136.32	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	485.81	2	129.01	2		2		2		2		2		2		2		2	
1/4	478.55	1/4	121.69	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	471.13	1/2	114.54	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	463.71	3/4	107.39	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	456.28	3	100.24	3		3		3		3		3		3		3		3	
1/4	448.86	1/4	93.09	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	441.42	1/2	85.85	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	433.98	3/4	78.60	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	426.54	4	71.36	4		4		4		4		4		4		4		4	
1/4	419.09	1/4	64.11	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	411.64	1/2	57.50	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	404.19	3/4	50.88	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	396.74	5	44.27	5		5		5		5		5		5		5		5	
1/4	389.29	1/4	37.66	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	381.83	1/2	32.76	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	374.38	3/4	27.87	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	366.92	6	22.98	6		6		6		6		6		6		6		6	
1/4	359.47	1/4	18.09	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	352.02	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	344.57	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	337.12	7		7		7		7		7		7		7		7		7	
1/4	329.67	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	322.22	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	314.77	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	307.33	8		8		8		8		8		8		8		8		8	
1/4	299.88	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	292.43	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	284.99	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	277.54	9		9		9		9		9		9		9		9		9	
1/4	270.09	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	262.64	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	255.20	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	247.75	10		10		10		10		10		10		10		10		10	
1/4	240.30	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	232.86	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	225.41	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	217.96	11		11		11		11		11		11		11		11		11	
1/4	210.52	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	203.07	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	195.62	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/19/2015 CL
CALCULATED: 11/20/2015 CL
RINTED: 11/21/2015 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2015

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



BARGE "MPC 708"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-06 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	3,746.20	0	3,390.29	0	3,033.64	0	2,676.28	0	2,318.93	0	1,962.18	0	1,608.77	0	1,251.29	0	894.94
1/4		1/4	3,738.85	1/4	3,382.86	1/4	3,026.19	1/4	2,668.84	1/4	2,311.48	1/4	1,954.73	1/4	1,601.32	1/4	1,243.85	1/4	887.52
1/2		1/2	3,731.46	1/2	3,375.43	1/2	3,018.75	1/2	2,661.39	1/2	2,304.04	1/2	1,947.29	1/2	1,593.87	1/2	1,236.40	1/2	880.10
3/4		3/4	3,724.07	3/4	3,368.00	3/4	3,011.30	3/4	2,653.95	3/4	2,296.59	3/4	1,939.84	3/4	1,586.43	3/4	1,228.95	3/4	872.68
1		1	3,716.68	1	3,360.57	1	3,003.86	1	2,646.50	1	2,289.15	1	1,932.40	1	1,578.98	1	1,221.50	1	865.26
1/4		1/4	3,709.29	1/4	3,353.14	1/4	2,996.41	1/4	2,639.06	1/4	2,281.70	1/4	1,924.95	1/4	1,571.53	1/4	1,214.06	1/4	857.84
1/2		1/2	3,701.90	1/2	3,345.71	1/2	2,988.97	1/2	2,631.61	1/2	2,274.26	1/2	1,917.50	1/2	1,564.08	1/2	1,206.63	1/2	850.40
3/4		3/4	3,694.50	3/4	3,338.28	3/4	2,981.52	3/4	2,624.17	3/4	2,266.81	3/4	1,910.06	3/4	1,556.64	3/4	1,199.20	3/4	842.95
2		2	3,687.11	2	3,330.85	2	2,974.08	2	2,616.72	2	2,259.37	2	1,902.61	2	1,549.19	2	1,191.76	2	835.51
1/4		1/4	3,679.72	1/4	3,323.42	1/4	2,966.63	1/4	2,609.28	1/4	2,251.92	1/4	1,895.17	1/4	1,541.74	1/4	1,184.33	1/4	828.07
1/2		1/2	3,672.33	1/2	3,315.99	1/2	2,959.19	1/2	2,601.83	1/2	2,244.48	1/2	1,887.72	1/2	1,534.30	1/2	1,176.91	1/2	820.62
3/4		3/4	3,664.94	3/4	3,308.57	3/4	2,951.74	3/4	2,594.39	3/4	2,237.03	3/4	1,880.28	3/4	1,526.85	3/4	1,169.48	3/4	813.17
3		3	3,657.54	3	3,301.14	3	2,944.30	3	2,586.94	3	2,229.59	3	1,872.83	3	1,519.40	3	1,162.05	3	805.73
1/4		1/4	3,650.15	1/4	3,293.71	1/4	2,936.85	1/4	2,579.50	1/4	2,222.14	1/4	1,865.38	1/4	1,511.95	1/4	1,154.62	1/4	798.28
1/2		1/2	3,642.76	1/2	3,286.28	1/2	2,929.41	1/2	2,572.05	1/2	2,214.70	1/2	1,857.94	1/2	1,504.51	1/2	1,147.20	1/2	790.83
3/4		3/4	3,635.37	3/4	3,278.85	3/4	2,921.96	3/4	2,564.61	3/4	2,207.25	3/4	1,850.49	3/4	1,497.06	3/4	1,139.77	3/4	783.39
4		4	3,627.98	4	3,271.42	4	2,914.52	4	2,557.16	4	2,199.81	4	1,843.05	4	1,489.61	4	1,132.35	4	775.94
1/4		1/4	3,620.59	1/4	3,263.99	1/4	2,907.07	1/4	2,549.72	1/4	2,192.36	1/4	1,835.60	1/4	1,482.16	1/4	1,124.93	1/4	768.49
1/2		1/2	3,613.16	1/2	3,256.56	1/2	2,899.63	1/2	2,542.27	1/2	2,184.94	1/2	1,828.30	1/2	1,474.72	1/2	1,117.51	1/2	761.04
3/4		3/4	3,605.74	3/4	3,249.13	3/4	2,892.18	3/4	2,534.83	3/4	2,177.52	3/4	1,821.00	3/4	1,467.27	3/4	1,110.08	3/4	753.60
5		5	3,598.31	5	3,241.70	5	2,884.74	5	2,527.38	5	2,170.10	5	1,813.70	5	1,459.82	5	1,102.66	5	746.15
1/4		1/4	3,590.89	1/4	3,234.27	1/4	2,877.30	1/4	2,519.94	1/4	2,162.67	1/4	1,806.40	1/4	1,452.37	1/4	1,095.24	1/4	738.70
1/2		1/2	3,583.46	1/2	3,226.84	1/2	2,869.85	1/2	2,512.50	1/2	2,155.25	1/2	1,799.12	1/2	1,444.93	1/2	1,087.82	1/2	731.26
3/4		3/4	3,576.03	3/4	3,219.41	3/4	2,862.41	3/4	2,505.05	3/4	2,147.84	3/4	1,791.84	3/4	1,437.48	3/4	1,080.40	3/4	723.81
6		6	3,568.60	6	3,211.98	6	2,854.96	6	2,497.61	6	2,140.42	6	1,784.56	6	1,430.03	6	1,072.98	6	716.36
1/4		1/4	3,561.17	1/4	3,204.55	1/4	2,847.52	1/4	2,490.16	1/4	2,133.00	1/4	1,777.28	1/4	1,422.58	1/4	1,065.56	1/4	708.92
1/2		1/2	3,553.74	1/2	3,197.12	1/2	2,840.07	1/2	2,482.72	1/2	2,125.58	1/2	1,770.00	1/2	1,415.14	1/2	1,058.14	1/2	701.47
3/4	3,869.08	3/4	3,546.31	3/4	3,189.69	3/4	2,832.63	3/4	2,475.27	3/4	2,118.16	3/4	1,762.72	3/4	1,407.69	3/4	1,050.73	3/4	694.03
7	3,865.13	7	3,538.88	7	3,182.26	7	2,825.18	7	2,467.83	7	2,110.74	7	1,755.45	7	1,400.24	7	1,043.31	7	686.58
1/4	3,861.18	1/4	3,531.45	1/4	3,174.83	1/4	2,817.74	1/4	2,460.38	1/4	2,103.32	1/4	1,748.17	1/4	1,392.79	1/4	1,035.89	1/4	679.14
1/2	3,856.49	1/2	3,524.02	1/2	3,167.40	1/2	2,810.29	1/2	2,452.94	1/2	2,095.90	1/2	1,740.89	1/2	1,385.35	1/2	1,028.47	1/2	671.84
3/4	3,851.80	3/4	3,516.59	3/4	3,159.98	3/4	2,802.85	3/4	2,445.49	3/4	2,088.48	3/4	1,733.61	3/4	1,377.90	3/4	1,021.05	3/4	664.53
8	3,847.11	8	3,509.16	8	3,152.55	8	2,795.40	8	2,438.05	8	2,081.06	8	1,726.33	8	1,370.45	8	1,013.63	8	657.23
1/4	3,842.41	1/4	3,501.73	1/4	3,145.12	1/4	2,787.96	1/4	2,430.60	1/4	2,073.64	1/4	1,719.05	1/4	1,363.01	1/4	1,006.21	1/4	649.92
1/2	3,836.98	1/2	3,494.30	1/2	3,137.69	1/2	2,780.51	1/2	2,423.16	1/2	2,066.22	1/2	1,711.77	1/2	1,355.56	1/2	998.80	1/2	642.78
3/4	3,831.54	3/4	3,486.87	3/4	3,130.26	3/4	2,773.07	3/4	2,415.71	3/4	2,058.80	3/4	1,704.49	3/4	1,348.11	3/4	991.38	3/4	635.63
9	3,826.10	9	3,479.44	9	3,122.83	9	2,765.62	9	2,408.27	9	2,051.38	9	1,697.21	9	1,340.66	9	983.96	9	628.48
1/4	3,820.66	1/4	3,472.01	1/4	3,115.40	1/4	2,758.18	1/4	2,400.82	1/4	2,043.96	1/4	1,689.93	1/4	1,333.22	1/4	976.54	1/4	621.33
1/2	3,814.48	1/2	3,464.58	1/2	3,107.97	1/2	2,750.73	1/2	2,393.38	1/2	2,036.54	1/2	1,682.65	1/2	1,325.77	1/2	969.12	1/2	614.21
3/4	3,808.30	3/4	3,457.16	3/4	3,100.54	3/4	2,743.29	3/4	2,385.93	3/4	2,029.12	3/4	1,675.37	3/4	1,318.32	3/4	961.70	3/4	607.08
10	3,802.12	10	3,449.73	10	3,093.11	10	2,735.84	10	2,378.49	10	2,021.71	10	1,668.09	10	1,310.87	10	954.28	10	599.95
1/4	3,795.93	1/4	3,442.30	1/4	3,085.68	1/4	2,728.40	1/4	2,371.04	1/4	2,014.29	1/4	1,660.81	1/4	1,303.43	1/4	946.87	1/4	592.82
1/2	3,789.01	1/2	3,434.87	1/2	3,078.25	1/2	2,720.95	1/2	2,363.60	1/2	2,006.84	1/2	1,653.39	1/2	1,295.98	1/2	939.45	1/2	585.70
3/4	3,782.08	3/4	3,427.44	3/4	3,070.82	3/4	2,713.51	3/4	2,356.15	3/4	1,999.40	3/4	1,645.96	3/4	1,288.53	3/4	932.03	3/4	578.57
11	3,775.16	11	3,420.01	11	3,063.39	11	2,706.06	11	2,348.71	11	1,991.96	11	1,638.54	11	1,281.08	11	924.61	11	571.44
1/4	3,768.23	1/4	3,412.58	1/4	3,055.96	1/4	2,698.62	1/4	2,341.26	1/4	1,984.52	1/4	1,631.11	1/4	1,273.64	1/4	917.19	1/4	564.31
1/2	3,760.89	1/2	3,405.15	1/2	3,048.52	1/2	2,691.17	1/2	2,333.82	1/2	1,977.07	1/2	1,623.66	1/2	1,266.19	1/2	909.77	1/2	557.19
3/4	3,753.54	3/4	3,397.72	3/4	3,041.08	3/4	2,683.73	3/4	2,326.37	3/4	1,969.63	3/4	1,616.22	3/4	1,258.74	3/4	902.35	3/4	550.06

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO UNDERSIDE OF DECK AT GAUGE POINT.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH 8" ULLAGE HATCH.
 GAUGE POINT: (8" ULLAGE HATCH) LOCATED 12'-09" OFF CENTERLINE AND 50'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "MPC 708"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-06 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	542.93	0	188.01	0		0		0		0		0		0		0		0	
1/4	535.80	1/4	180.57	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	528.68	1/2	173.13	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	521.55	3/4	165.69	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	514.42	1	158.25	1		1		1		1		1		1		1		1	
1/4	507.29	1/4	150.81	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	500.02	1/2	143.50	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	492.76	3/4	136.19	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	485.49	2	128.89	2		2		2		2		2		2		2		2	
1/4	478.22	1/4	121.58	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	470.80	1/2	114.44	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	463.37	3/4	107.30	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	455.94	3	100.15	3		3		3		3		3		3		3		3	
1/4	448.51	1/4	93.01	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	441.07	1/2	85.77	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	433.62	3/4	78.53	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	426.17	4	71.29	4		4		4		4		4		4		4		4	
1/4	418.73	1/4	64.05	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	411.28	1/2	57.45	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	403.83	3/4	50.84	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	396.38	5	44.23	5		5		5		5		5		5		5		5	
1/4	388.94	1/4	37.62	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	381.49	1/2	32.74	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	374.04	3/4	27.85	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	366.60	6	22.96	6		6		6		6		6		6		6		6	
1/4	359.15	1/4	18.07	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	351.71	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	344.26	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	336.82	7		7		7		7		7		7		7		7		7	
1/4	329.37	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	321.93	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	314.49	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	307.05	8		8		8		8		8		8		8		8		8	
1/4	299.61	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	292.17	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	284.73	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	277.29	9		9		9		9		9		9		9		9		9	
1/4	269.85	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	262.41	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	254.97	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	247.53	10		10		10		10		10		10		10		10		10	
1/4	240.09	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	232.65	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	225.21	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	217.77	11		11		11		11		11		11		11		11		11	
1/4	210.33	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	202.89	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	195.45	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/19/2015 CL
CALCULATED: 11/20/2015 CL
RINTED: 11/21/2015 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2015

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "MPC 708"

SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 4'-05 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	100	0	256	0	410	0		0		0		0		0		0	
1/4	1	1/4	103	1/4	259	1/4	412	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1	1/2	106	1/2	262	1/2	415	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2	3/4	109	3/4	266	3/4	418	3/4		3/4		3/4		3/4		3/4		3/4	
1	3	1	112	1	269	1	421	1		1		1		1		1		1	
1/4	4	1/4	115	1/4	272	1/4	424	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	5	1/2	118	1/2	276	1/2	426	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	6	3/4	121	3/4	279	3/4	429	3/4		3/4		3/4		3/4		3/4		3/4	
2	7	2	124	2	283	2	432	2		2		2		2		2		2	
1/4	9	1/4	127	1/4	286	1/4	434	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	10	1/2	130	1/2	289	1/2	437	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	12	3/4	134	3/4	293	3/4	440	3/4		3/4		3/4		3/4		3/4		3/4	
3	13	3	137	3	296	3	442	3		3		3		3		3		3	
1/4	15	1/4	140	1/4	299	1/4	445	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	17	1/2	143	1/2	303	1/2	447	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	19	3/4	146	3/4	306	3/4	450	3/4		3/4		3/4		3/4		3/4		3/4	
4	20	4	149	4	309	4	452	4		4		4		4		4		4	
1/4	22	1/4	153	1/4	313	1/4	455	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	24	1/2	156	1/2	316	1/2	457	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	26	3/4	159	3/4	319	3/4	459	3/4		3/4		3/4		3/4		3/4		3/4	
5	28	5	162	5	322	5	462	5		5		5		5		5		5	
1/4	30	1/4	166	1/4	326	1/4	464	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	33	1/2	169	1/2	329	1/2	466	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	35	3/4	172	3/4	332	3/4	468	3/4		3/4		3/4		3/4		3/4		3/4	
6	37	6	175	6	335	6	471	6		6		6		6		6		6	
1/4	39	1/4	179	1/4	339	1/4	473	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	42	1/2	182	1/2	342	1/2	475	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	44	3/4	185	3/4	345	3/4	477	3/4		3/4		3/4		3/4		3/4		3/4	
7	46	7	188	7	348	7	479	7		7		7		7		7		7	
1/4	49	1/4	192	1/4	352	1/4	480	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	51	1/2	195	1/2	355	1/2	482	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	54	3/4	198	3/4	358	3/4	484	3/4		3/4		3/4		3/4		3/4		3/4	
8	56	8	202	8	361	8	486	8		8		8		8		8		8	
1/4	59	1/4	205	1/4	364	1/4	488	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	61	1/2	208	1/2	367	1/2	489	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	64	3/4	212	3/4	371	3/4	491	3/4		3/4		3/4		3/4		3/4		3/4	
9	67	9	215	9	374	9	492	9		9		9		9		9		9	
1/4	69	1/4	218	1/4	377	1/4	494	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	72	1/2	222	1/2	380	1/2	495	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	75	3/4	225	3/4	383	3/4	496	3/4		3/4		3/4		3/4		3/4		3/4	
10	77	10	229	10	386	10	497	10		10		10		10		10		10	
1/4	80	1/4	232	1/4	389	1/4	498	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	83	1/2	235	1/2	392	1/2	499	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	86	3/4	239	3/4	395	3/4	500	3/4		3/4		3/4		3/4		3/4		3/4	
11	89	11	242	11	398	11	501	11		11		11		11		11		11	
1/4	91	1/4	245	1/4	401	1/4	501	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	94	1/2	249	1/2	404	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	97	3/4	252	3/4	407	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER PIPE.

STRAPPED: 11/19/2015 CL
CALCULATED: 11/20/2015 CL
PRINTED: 11/21/2015 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2015

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BARGE "MPC 708"

STBD FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-08"

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	1,294	0	3,048	0	4,892	0	6,566	0		0		0		0		0	
1/4	16	1/4	1,328	1/4	3,086	1/4	4,929	1/4	6,596	1/4		1/4		1/4		1/4		1/4	
1/2	32	1/2	1,362	1/2	3,125	1/2	4,967	1/2	6,627	1/2		1/2		1/2		1/2		1/2	
3/4	48	3/4	1,396	3/4	3,163	3/4	5,004	3/4	6,657	3/4		3/4		3/4		3/4		3/4	
1	64	1	1,430	1	3,202	1	5,042	1	6,688	1		1		1		1		1	
1/4	84	1/4	1,465	1/4	3,240	1/4	5,079	1/4	6,717	1/4		1/4		1/4		1/4		1/4	
1/2	104	1/2	1,499	1/2	3,279	1/2	5,116	1/2	6,746	1/2		1/2		1/2		1/2		1/2	
3/4	124	3/4	1,534	3/4	3,317	3/4	5,153	3/4	6,775	3/4		3/4		3/4		3/4		3/4	
2	144	2	1,568	2	3,356	2	5,190	2	6,805	2		2		2		2		2	
1/4	167	1/4	1,604	1/4	3,395	1/4	5,227	1/4	6,833	1/4		1/4		1/4		1/4		1/4	
1/2	189	1/2	1,639	1/2	3,433	1/2	5,264	1/2	6,861	1/2		1/2		1/2		1/2		1/2	
3/4	211	3/4	1,674	3/4	3,472	3/4	5,301	3/4	6,889	3/4		3/4		3/4		3/4		3/4	
3	234	3	1,709	3	3,510	3	5,338	3	6,917	3		3		3		3		3	
1/4	258	1/4	1,745	1/4	3,549	1/4	5,374	1/4	6,944	1/4		1/4		1/4		1/4		1/4	
1/2	283	1/2	1,781	1/2	3,588	1/2	5,410	1/2	6,971	1/2		1/2		1/2		1/2		1/2	
3/4	307	3/4	1,816	3/4	3,626	3/4	5,447	3/4	6,998	3/4		3/4		3/4		3/4		3/4	
4	332	4	1,852	4	3,665	4	5,483	4	7,024	4		4		4		4		4	
1/4	358	1/4	1,888	1/4	3,704	1/4	5,519	1/4	7,050	1/4		1/4		1/4		1/4		1/4	
1/2	384	1/2	1,924	1/2	3,742	1/2	5,555	1/2	7,075	1/2		1/2		1/2		1/2		1/2	
3/4	410	3/4	1,961	3/4	3,781	3/4	5,591	3/4	7,100	3/4		3/4		3/4		3/4		3/4	
5	436	5	1,997	5	3,820	5	5,627	5	7,125	5		5		5		5		5	
1/4	463	1/4	2,033	1/4	3,858	1/4	5,662	1/4	7,149	1/4		1/4		1/4		1/4		1/4	
1/2	491	1/2	2,070	1/2	3,897	1/2	5,698	1/2	7,172	1/2		1/2		1/2		1/2		1/2	
3/4	518	3/4	2,107	3/4	3,936	3/4	5,733	3/4	7,196	3/4		3/4		3/4		3/4		3/4	
6	546	6	2,143	6	3,974	6	5,769	6	7,219	6		6		6		6		6	
1/4	575	1/4	2,180	1/4	4,013	1/4	5,804	1/4	7,241	1/4		1/4		1/4		1/4		1/4	
1/2	603	1/2	2,217	1/2	4,051	1/2	5,839	1/2	7,262	1/2		1/2		1/2		1/2		1/2	
3/4	632	3/4	2,254	3/4	4,090	3/4	5,874	3/4	7,283	3/4		3/4		3/4		3/4		3/4	
7	661	7	2,291	7	4,129	7	5,908	7	7,305	7		7		7		7		7	
1/4	691	1/4	2,329	1/4	4,167	1/4	5,943	1/4	7,323	1/4		1/4		1/4		1/4		1/4	
1/2	720	1/2	2,366	1/2	4,206	1/2	5,977	1/2	7,341	1/2		1/2		1/2		1/2		1/2	
3/4	750	3/4	2,403	3/4	4,244	3/4	6,011	3/4	7,360	3/4		3/4		3/4		3/4		3/4	
8	780	8	2,440	8	4,283	8	6,046	8	7,378	8		8		8		8		8	
1/4	811	1/4	2,478	1/4	4,321	1/4	6,079	1/4	7,393	1/4		1/4		1/4		1/4		1/4	
1/2	842	1/2	2,516	1/2	4,359	1/2	6,113	1/2	7,407	1/2		1/2		1/2		1/2		1/2	
3/4	873	3/4	2,553	3/4	4,398	3/4	6,147	3/4		3/4		3/4		3/4		3/4		3/4	
9	903	9	2,591	9	4,436	9	6,180	9		9		9		9		9		9	
1/4	935	1/4	2,629	1/4	4,474	1/4	6,213	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	967	1/2	2,667	1/2	4,512	1/2	6,246	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	999	3/4	2,705	3/4	4,551	3/4	6,279	3/4		3/4		3/4		3/4		3/4		3/4	
10	1,030	10	2,742	10	4,589	10	6,312	10		10		10		10		10		10	
1/4	1,063	1/4	2,781	1/4	4,627	1/4	6,344	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,096	1/2	2,819	1/2	4,665	1/2	6,377	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,128	3/4	2,857	3/4	4,703	3/4	6,409	3/4		3/4		3/4		3/4		3/4		3/4	
11	1,161	11	2,895	11	4,741	11	6,441	11		11		11		11		11		11	
1/4	1,194	1/4	2,933	1/4	4,779	1/4	6,472	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,227	1/2	2,971	1/2	4,816	1/2	6,504	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,261	3/4	3,010	3/4	4,854	3/4	6,535	3/4		3/4		3/4		3/4		3/4		3/4	

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CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 10" ULLAGE HATCH.

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



BARGE "MPC 708"

PORT FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GUAGE HEIGHT 5'-08"

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	1,294	0	3,048	0	4,892	0	6,566	0		0		0		0		0	
1/4	16	1/4	1,328	1/4	3,086	1/4	4,929	1/4	6,596	1/4		1/4		1/4		1/4		1/4	
1/2	32	1/2	1,362	1/2	3,125	1/2	4,967	1/2	6,627	1/2		1/2		1/2		1/2		1/2	
3/4	48	3/4	1,396	3/4	3,163	3/4	5,004	3/4	6,657	3/4		3/4		3/4		3/4		3/4	
1	64	1	1,430	1	3,202	1	5,042	1	6,688	1		1		1		1		1	
1/4	84	1/4	1,465	1/4	3,240	1/4	5,079	1/4	6,717	1/4		1/4		1/4		1/4		1/4	
1/2	104	1/2	1,499	1/2	3,279	1/2	5,116	1/2	6,746	1/2		1/2		1/2		1/2		1/2	
3/4	124	3/4	1,534	3/4	3,317	3/4	5,153	3/4	6,775	3/4		3/4		3/4		3/4		3/4	
2	144	2	1,568	2	3,356	2	5,190	2	6,805	2		2		2		2		2	
1/4	167	1/4	1,604	1/4	3,395	1/4	5,227	1/4	6,833	1/4		1/4		1/4		1/4		1/4	
1/2	189	1/2	1,639	1/2	3,433	1/2	5,264	1/2	6,861	1/2		1/2		1/2		1/2		1/2	
3/4	211	3/4	1,674	3/4	3,472	3/4	5,301	3/4	6,889	3/4		3/4		3/4		3/4		3/4	
3	234	3	1,709	3	3,510	3	5,338	3	6,917	3		3		3		3		3	
1/4	258	1/4	1,745	1/4	3,549	1/4	5,374	1/4	6,944	1/4		1/4		1/4		1/4		1/4	
1/2	283	1/2	1,781	1/2	3,588	1/2	5,410	1/2	6,971	1/2		1/2		1/2		1/2		1/2	
3/4	307	3/4	1,816	3/4	3,626	3/4	5,447	3/4	6,998	3/4		3/4		3/4		3/4		3/4	
4	332	4	1,852	4	3,665	4	5,483	4	7,024	4		4		4		4		4	
1/4	358	1/4	1,888	1/4	3,704	1/4	5,519	1/4	7,050	1/4		1/4		1/4		1/4		1/4	
1/2	384	1/2	1,924	1/2	3,742	1/2	5,555	1/2	7,075	1/2		1/2		1/2		1/2		1/2	
3/4	410	3/4	1,961	3/4	3,781	3/4	5,591	3/4	7,100	3/4		3/4		3/4		3/4		3/4	
5	436	5	1,997	5	3,820	5	5,627	5	7,125	5		5		5		5		5	
1/4	463	1/4	2,033	1/4	3,858	1/4	5,662	1/4	7,149	1/4		1/4		1/4		1/4		1/4	
1/2	491	1/2	2,070	1/2	3,897	1/2	5,698	1/2	7,172	1/2		1/2		1/2		1/2		1/2	
3/4	518	3/4	2,107	3/4	3,936	3/4	5,733	3/4	7,196	3/4		3/4		3/4		3/4		3/4	
6	546	6	2,143	6	3,974	6	5,769	6	7,219	6		6		6		6		6	
1/4	575	1/4	2,180	1/4	4,013	1/4	5,804	1/4	7,241	1/4		1/4		1/4		1/4		1/4	
1/2	603	1/2	2,217	1/2	4,051	1/2	5,839	1/2	7,262	1/2		1/2		1/2		1/2		1/2	
3/4	632	3/4	2,254	3/4	4,090	3/4	5,874	3/4	7,283	3/4		3/4		3/4		3/4		3/4	
7	661	7	2,291	7	4,129	7	5,908	7	7,305	7		7		7		7		7	
1/4	691	1/4	2,329	1/4	4,167	1/4	5,943	1/4	7,323	1/4		1/4		1/4		1/4		1/4	
1/2	720	1/2	2,366	1/2	4,206	1/2	5,977	1/2	7,341	1/2		1/2		1/2		1/2		1/2	
3/4	750	3/4	2,403	3/4	4,244	3/4	6,011	3/4	7,360	3/4		3/4		3/4		3/4		3/4	
8	780	8	2,440	8	4,283	8	6,046	8	7,378	8		8		8		8		8	
1/4	811	1/4	2,478	1/4	4,321	1/4	6,079	1/4	7,393	1/4		1/4		1/4		1/4		1/4	
1/2	842	1/2	2,516	1/2	4,359	1/2	6,113	1/2	7,407	1/2		1/2		1/2		1/2		1/2	
3/4	873	3/4	2,553	3/4	4,398	3/4	6,147	3/4		3/4		3/4		3/4		3/4		3/4	
9	903	9	2,591	9	4,436	9	6,180	9		9		9		9		9		9	
1/4	935	1/4	2,629	1/4	4,474	1/4	6,213	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	967	1/2	2,667	1/2	4,512	1/2	6,246	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	999	3/4	2,705	3/4	4,551	3/4	6,279	3/4		3/4		3/4		3/4		3/4		3/4	
10	1,030	10	2,742	10	4,589	10	6,312	10		10		10		10		10		10	
1/4	1,063	1/4	2,781	1/4	4,627	1/4	6,344	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,096	1/2	2,819	1/2	4,665	1/2	6,377	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,128	3/4	2,857	3/4	4,703	3/4	6,409	3/4		3/4		3/4		3/4		3/4		3/4	
11	1,161	11	2,895	11	4,741	11	6,441	11		11		11		11		11		11	
1/4	1,194	1/4	2,933	1/4	4,779	1/4	6,472	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,227	1/2	2,971	1/2	4,816	1/2	6,504	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,261	3/4	3,010	3/4	4,854	3/4	6,535	3/4		3/4		3/4		3/4		3/4		3/4	

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