



BARGE "MPC 709"

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 709"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-05 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		
0	0	3,577.59	0	3,215.19	0	2,852.15	0	2,488.46	0	2,124.77	0	1,761.08	0	1,398.12	0	1,034.59	0	674.27		
1/4	1/4	3,570.07	1/4	3,207.63	1/4	2,844.57	1/4	2,480.88	1/4	2,117.19	1/4	1,753.50	1/4	1,390.55	1/4	1,027.04	1/4	666.92		
1/2	1/2	3,562.55	1/2	3,200.07	1/2	2,836.99	1/2	2,473.30	1/2	2,079.61	1/2	1,745.92	1/2	1,382.97	1/2	1,019.50	1/2	659.58		
3/4	3/4	3,555.02	3/4	3,192.50	3/4	2,829.42	3/4	2,465.73	3/4	2,102.04	3/4	1,738.34	3/4	1,375.39	3/4	1,011.97	3/4	652.29		
1	1	3,547.50	1	3,184.94	1	2,821.84	1	2,458.15	1	2,094.46	1	1,730.77	1	1,367.81	1	1,004.44	1	645.00		
1/4	1/4	3,539.97	1/4	3,177.38	1/4	2,814.26	1/4	2,450.57	1/4	2,086.88	1/4	1,723.19	1/4	1,360.24	1/4	996.92	1/4	637.70		
1/2	1/2	3,532.45	1/2	3,169.82	1/2	2,806.69	1/2	2,443.00	1/2	2,079.30	1/2	1,715.61	1/2	1,352.66	1/2	989.39	1/2	630.41		
3/4	3/4	3,524.93	3/4	3,162.26	3/4	2,799.11	3/4	2,435.42	3/4	2,071.73	3/4	1,708.04	3/4	1,345.08	3/4	981.86	3/4	623.23		
2	2	3,517.40	2	3,154.70	2	2,791.53	2	2,427.84	2	2,064.15	2	1,700.46	2	1,337.50	2	974.34	2	616.04		
1/4	1/4	3,509.88	1/4	3,147.14	1/4	2,783.96	1/4	2,420.27	1/4	2,056.57	1/4	1,692.88	1/4	1,329.93	1/4	966.81	1/4	608.85		
1/2	1/2	3,502.36	1/2	3,139.57	1/2	2,776.38	1/2	2,412.69	1/2	2,049.00	1/2	1,685.31	1/2	1,322.35	1/2	959.29	1/2	601.67		
3/4	3/4	3,494.83	3/4	3,132.01	3/4	2,768.80	3/4	2,405.11	3/4	2,041.42	3/4	1,677.73	3/4	1,314.77	3/4	951.77	3/4	594.59		
3	3	3,487.31	3	3,124.45	3	2,761.23	3	2,397.53	3	2,033.84	3	1,670.15	3	1,307.19	3	944.25	3	587.52		
1/4	1/4	3,479.78	1/4	3,116.89	1/4	2,753.65	1/4	2,389.96	1/4	2,026.27	1/4	1,662.58	1/4	1,299.62	1/4	936.73	1/4	580.44		
1/2	1/2	3,472.26	1/2	3,109.33	1/2	2,746.07	1/2	2,382.38	1/2	2,018.69	1/2	1,655.00	1/2	1,292.04	1/2	929.21	1/2	573.36		
3/4	3/4	3,464.70	3/4	3,101.77	3/4	2,738.50	3/4	2,374.80	3/4	2,011.11	3/4	1,647.45	3/4	1,284.46	3/4	921.69	3/4	566.40		
4	4	3,457.15	4	3,094.20	4	2,730.92	4	2,367.23	4	2,003.54	4	1,639.90	4	1,276.88	4	914.17	4	559.44		
1/4	1/4	3,449.59	1/4	3,086.64	1/4	2,723.34	1/4	2,359.65	1/4	1,995.96	1/4	1,632.35	1/4	1,269.31	1/4	906.65	1/4	552.47		
1/2	1/2	3,442.04	1/2	3,079.08	1/2	2,715.76	1/2	2,352.07	1/2	1,988.38	1/2	1,624.80	1/2	1,261.73	1/2	899.13	1/2	545.51		
3/4	3/4	3,434.48	3/4	3,071.52	3/4	2,708.19	3/4	2,344.50	3/4	1,980.81	3/4	1,617.25	3/4	1,254.15	3/4	891.62	3/4	538.66		
5	5	3,426.91	5	3,063.96	5	2,700.61	5	2,336.92	5	1,973.23	5	1,609.71	5	1,246.57	5	884.10	5	531.81		
1/4	1/4	3,419.35	1/4	3,056.40	1/4	2,693.03	1/4	2,329.34	1/4	1,965.65	1/4	1,602.16	1/4	1,239.00	1/4	876.58	1/4	524.95		
1/2	1/2	3,411.79	1/2	3,048.83	1/2	2,685.46	1/2	2,321.77	1/2	1,958.07	1/2	1,594.62	1/2	1,231.42	1/2	869.07	1/2	518.10		
3/4	3/4	3,404.23	3/4	3,041.27	3/4	2,677.88	3/4	2,314.19	3/4	1,950.50	3/4	1,587.07	3/4	1,223.84	3/4	861.55	3/4	511.36		
6	3,725.20	6	3,396.67	6	3,033.71	6	2,670.30	6	2,306.61	6	1,942.92	6	1,579.53	6	1,216.26	6	854.04	6	504.62	
1/4	3,721.18	1/4	3,389.11	1/4	3,026.15	1/4	2,662.73	1/4	2,299.03	1/4	1,935.34	1/4	1,571.98	1/4	1,208.69	1/4	846.52	1/4	497.89	
1/2	3,717.16	1/2	3,381.54	1/2	3,018.59	1/2	2,655.15	1/2	2,291.46	1/2	1,927.77	1/2	1,564.43	1/2	1,201.11	1/2	839.01	1/2	491.15	
3/4	3,713.39	3/4	3,373.98	3/4	3,011.03	3/4	2,647.57	3/4	2,283.88	3/4	1,920.19	3/4	1,556.89	3/4	1,193.53	3/4	831.49	3/4	484.66	
7	3,707.61	7	3,366.42	7	3,003.46	7	2,640.00	7	2,276.30	7	1,912.61	7	1,549.34	7	1,185.95	7	823.98	7	478.18	
1/4	3,702.83	1/4	3,358.86	1/4	2,995.90	1/4	2,632.42	1/4	2,268.73	1/4	1,905.04	1/4	1,541.80	1/4	1,178.38	1/4	816.46	1/4	471.69	
1/2	3,698.06	1/2	3,351.30	1/2	2,988.34	1/2	2,624.84	1/2	2,261.15	1/2	1,897.46	1/2	1,534.25	1/2	1,170.80	1/2	808.94	1/2	465.20	
3/4	3,692.52	3/4	3,343.74	3/4	2,980.78	3/4	2,617.26	3/4	2,253.57	3/4	1,889.88	3/4	1,526.71	3/4	1,163.22	3/4	801.43	3/4	458.99	
8	3,686.99	8	3,336.18	8	2,973.22	8	2,609.69	8	2,246.00	8	1,882.31	8	1,519.16	8	1,155.64	8	793.91	8	452.77	
1/4	3,681.45	1/4	3,328.61	1/4	2,965.66	1/4	2,602.11	1/4	2,238.42	1/4	1,874.73	1/4	1,511.62	1/4	1,148.07	1/4	786.40	1/4	446.55	
1/2	3,675.92	1/2	3,321.05	1/2	2,958.10	1/2	2,594.53	1/2	2,230.84	1/2	1,867.15	1/2	1,504.07	1/2	1,140.49	1/2	778.88	1/2	440.33	
3/4	3,669.63	3/4	3,313.49	3/4	2,950.53	3/4	2,586.96	3/4	2,223.27	3/4	1,859.57	3/4	1,496.52	3/4	1,132.91	3/4	771.37	3/4	434.24	
9	3,663.33	9	3,305.93	9	2,942.97	9	2,579.38	9	2,215.69	9	1,852.00	9	1,488.98	9	1,125.33	9	763.85	9	428.16	
1/4	3,657.04	1/4	3,298.37	1/4	2,935.41	1/4	2,571.80	1/4	2,208.11	1/4	1,844.42	1/4	1,481.43	1/4	1,117.76	1/4	756.34	1/4	422.07	
1/2	3,650.75	1/2	3,290.81	1/2	2,927.85	1/2	2,564.23	1/2	2,200.54	1/2	1,836.84	1/2	1,473.89	1/2	1,110.18	1/2	748.82	1/2	415.98	
3/4	3,643.70	3/4	3,283.24	3/4	2,920.29	3/4	2,556.65	3/4	2,192.96	3/4	1,829.27	3/4	1,466.31	3/4	1,102.60	3/4	741.31	3/4	410.01	
10	3,636.65	10	3,275.68	10	2,912.73	10	2,549.07	10	2,185.38	10	1,821.69	10	1,458.74	10	1,095.02	10	733.80	10	404.03	
1/4	3,629.60	1/4	3,268.12	1/4	2,905.16	1/4	2,541.50	1/4	2,177.80	1/4	1,814.11	1/4	1,451.16	1/4	1,087.45	1/4	726.29	1/4	398.06	
1/2	3,622.55	1/2	3,260.56	1/2	2,897.60	1/2	2,533.92	1/2	2,170.23	1/2	1,806.54	1/2	1,443.59	1/2	1,079.87	1/2	718.78	1/2	392.08	
3/4	3,615.07	3/4	3,253.00	3/4	2,890.03	3/4	2,526.34	3/4	2,162.65	3/4	1,798.96	3/4	1,436.01	3/4	1,072.32	3/4	711.33	3/4	386.22	
11	3,607.59	11	3,245.44	11	2,882.45	11	2,518.77	11	2,155.07	11	1,791.38	11	1,428.43	11	1,064.77	11	703.88	11	380.35	
1/4	3,600.12	1/4	3,237.87	1/4	2,874.88	1/4	2,511.19	1/4	2,147.50	1/4	1,783.81	1/4	1,420.86	1/4	1,057.22	1/4	696.42	1/4	374.49	
1/2	3,592.64	1/2	3,230.31	1/2	2,867.30	1/2	2,503.61	1/2	2,139.92	1/2	1,776.23	1/2	1,413.28	1/2	1,049.68	1/2	688.97	1/2	368.63	
3/4	3,585.12	3/4	3,222.75	3/4	2,859.73	3/4	2,496.03	3/4	2,132.34	3/4	1,768.65	3/4	1,405.70	3/4	1,042.13	3/4	681.62	3/4	362.87	

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 709"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-05 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	357.12	0	99.40	0		0		0		0		0		0		0		0	
1/4	351.37	1/4	94.68	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	345.62	1/2	89.95	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	339.84	3/4	85.47	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	334.06	1	80.99	1		1		1		1		1		1		1		1	
1/4	328.27	1/4	76.51	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	322.49	1/2	72.03	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	316.67	3/4	67.82	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	310.84	2	63.61	2		2		2		2		2		2		2		2	
1/4	305.01	1/4	59.41	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	299.18	1/2	55.20	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	293.44	3/4	51.01	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	287.71	3	46.82	3		3		3		3		3		3		3		3	
1/4	281.97	1/4	42.63	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	276.23	1/2	38.44	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	270.61	3/4	35.01	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	264.98	4	31.57	4		4		4		4		4		4		4		4	
1/4	259.36	1/4	28.14	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	253.73	1/2	24.71	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	248.22	3/4	22.75	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	242.70	5	20.80	5		5		5		5		5		5		5		5	
1/4	237.19	1/4	18.84	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	231.67	1/2	16.89	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	226.28	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	220.88	6		6		6		6		6		6		6		6		6	
1/4	215.48	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	210.08	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	204.79	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	199.51	7		7		7		7		7		7		7		7		7	
1/4	194.22	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	188.94	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	183.77	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	178.59	8		8		8		8		8		8		8		8		8	
1/4	173.42	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	168.25	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163.19	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	158.13	9		9		9		9		9		9		9		9		9	
1/4	153.07	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	148.00	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	143.05	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	138.11	10		10		10		10		10		10		10		10		10	
1/4	133.16	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	128.21	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	123.37	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	118.53	11		11		11		11		11		11		11		11		11	
1/4	113.69	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	108.85	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	104.13	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 709"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-05 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0	3,588.70	0	3,226.16	0	2,862.97	0	2,499.10	0	2,135.24	0	1,771.37	0	1,408.25	0	1,044.35	0	682.06
1/4		1/4	3,581.17	1/4	3,218.59	1/4	2,855.39	1/4	2,491.52	1/4	2,127.66	1/4	1,763.79	1/4	1,400.66	1/4	1,036.77	1/4	674.68
1/2		1/2	3,573.65	1/2	3,211.03	1/2	2,847.81	1/2	2,483.94	1/2	2,120.07	1/2	1,756.21	1/2	1,393.08	1/2	1,029.19	1/2	667.29
3/4		3/4	3,566.12	3/4	3,203.46	3/4	2,840.23	3/4	2,476.36	3/4	2,112.49	3/4	1,748.63	3/4	1,385.50	3/4	1,021.60	3/4	659.91
1		1	3,558.59	1	3,195.90	1	2,832.65	1	2,468.78	1	2,104.91	1	1,741.04	1	1,377.92	1	1,014.04	1	652.61
1/4		1/4	3,551.06	1/4	3,188.33	1/4	2,825.07	1/4	2,461.20	1/4	2,097.33	1/4	1,733.46	1/4	1,370.34	1/4	1,006.48	1/4	645.31
1/2		1/2	3,543.54	1/2	3,180.77	1/2	2,817.49	1/2	2,453.62	1/2	2,089.75	1/2	1,725.88	1/2	1,362.76	1/2	998.91	1/2	638.01
3/4		3/4	3,536.01	3/4	3,173.20	3/4	2,809.91	3/4	2,446.04	3/4	2,082.17	3/4	1,718.30	3/4	1,355.18	3/4	991.35	3/4	630.71
2		2	3,528.48	2	3,165.64	2	2,802.33	2	2,438.46	2	2,074.59	2	1,710.72	2	1,347.60	2	983.78	2	623.52
1/4		1/4	3,520.95	1/4	3,158.07	1/4	2,794.75	1/4	2,430.88	1/4	2,067.01	1/4	1,703.14	1/4	1,340.02	1/4	976.22	1/4	616.33
1/2		1/2	3,513.43	1/2	3,150.51	1/2	2,787.17	1/2	2,423.30	1/2	2,059.43	1/2	1,695.56	1/2	1,332.43	1/2	968.66	1/2	609.14
3/4		3/4	3,505.90	3/4	3,142.94	3/4	2,779.59	3/4	2,415.72	3/4	2,051.85	3/4	1,687.98	3/4	1,324.85	3/4	961.10	3/4	601.95
3		3	3,498.37	3	3,135.38	3	2,772.01	3	2,408.14	3	2,044.27	3	1,680.40	3	1,317.27	3	953.54	3	594.87
1/4		1/4	3,490.84	1/4	3,127.81	1/4	2,764.43	1/4	2,400.56	1/4	2,036.69	1/4	1,672.82	1/4	1,309.69	1/4	945.98	1/4	587.79
1/2		1/2	3,483.32	1/2	3,120.25	1/2	2,756.85	1/2	2,392.98	1/2	2,028.11	1/2	1,665.24	1/2	1,302.11	1/2	938.43	1/2	580.71
3/4		3/4	3,475.79	3/4	3,112.68	3/4	2,749.26	3/4	2,385.40	3/4	2,021.53	3/4	1,657.66	3/4	1,294.53	3/4	930.87	3/4	573.64
4		4	3,468.23	4	3,105.12	4	2,741.68	4	2,377.82	4	2,013.95	4	1,650.11	4	1,286.95	4	923.31	4	566.67
1/4		1/4	3,460.67	1/4	3,097.55	1/4	2,734.10	1/4	2,370.23	1/4	2,006.37	1/4	1,642.55	1/4	1,279.37	1/4	915.76	1/4	559.70
1/2		1/2	3,453.11	1/2	3,089.99	1/2	2,726.52	1/2	2,362.65	1/2	1,998.79	1/2	1,635.00	1/2	1,271.78	1/2	908.20	1/2	552.73
3/4		3/4	3,445.55	3/4	3,082.42	3/4	2,718.94	3/4	2,355.07	3/4	1,991.20	3/4	1,627.45	3/4	1,264.20	3/4	900.64	3/4	545.77
5		5	3,437.99	5	3,074.86	5	2,711.36	5	2,347.49	5	1,983.62	5	1,619.90	5	1,256.62	5	893.09	5	538.91
1/4		1/4	3,430.42	1/4	3,067.29	1/4	2,703.78	1/4	2,339.91	1/4	1,976.04	1/4	1,612.35	1/4	1,249.04	1/4	885.54	1/4	532.06
1/2		1/2	3,422.86	1/2	3,059.73	1/2	2,696.20	1/2	2,332.33	1/2	1,968.46	1/2	1,604.80	1/2	1,241.46	1/2	877.99	1/2	525.20
3/4		3/4	3,415.29	3/4	3,052.16	3/4	2,688.62	3/4	2,324.75	3/4	1,960.88	3/4	1,597.25	3/4	1,233.88	3/4	870.43	3/4	518.34
6		6	3,407.72	6	3,044.60	6	2,681.04	6	2,317.17	6	1,953.30	6	1,589.70	6	1,226.30	6	862.88	6	511.60
1/4	3,728.85	1/4	3,400.16	1/4	3,037.03	1/4	2,673.46	1/4	2,309.59	1/4	1,945.72	1/4	1,582.15	1/4	1,218.72	1/4	855.33	1/4	504.86
1/2	3,724.83	1/2	3,392.59	1/2	3,029.46	1/2	2,665.88	1/2	2,302.01	1/2	1,938.14	1/2	1,574.60	1/2	1,211.13	1/2	847.78	1/2	498.12
3/4	3,720.81	3/4	3,385.03	3/4	3,021.90	3/4	2,658.30	3/4	2,294.43	3/4	1,930.56	3/4	1,567.05	3/4	1,203.55	3/4	840.22	3/4	491.38
7	3,716.03	7	3,377.46	7	3,014.33	7	2,650.72	7	2,286.85	7	1,922.98	7	1,559.50	7	1,195.97	7	832.67	7	484.89
1/4	3,711.25	1/4	3,369.90	1/4	3,006.77	1/4	2,643.14	1/4	2,279.27	1/4	1,915.40	1/4	1,551.95	1/4	1,188.39	1/4	825.12	1/4	478.40
1/2	3,706.47	1/2	3,362.33	1/2	2,999.20	1/2	2,635.56	1/2	2,271.69	1/2	1,907.82	1/2	1,544.40	1/2	1,180.81	1/2	817.57	1/2	471.91
3/4	3,701.69	3/4	3,354.77	3/4	2,991.64	3/4	2,627.97	3/4	2,264.11	3/4	1,900.24	3/4	1,536.86	3/4	1,173.23	3/4	810.01	3/4	465.42
8	3,696.16	8	3,347.20	8	2,984.07	8	2,620.39	8	2,256.53	8	1,892.66	8	1,529.31	8	1,165.65	8	802.46	8	459.20
1/4	3,690.62	1/4	3,339.64	1/4	2,976.51	1/4	2,612.81	1/4	2,248.94	1/4	1,885.08	1/4	1,521.76	1/4	1,158.07	1/4	794.91	1/4	452.98
1/2	3,685.08	1/2	3,332.07	1/2	2,968.94	1/2	2,605.23	1/2	2,241.36	1/2	1,877.50	1/2	1,514.21	1/2	1,150.49	1/2	787.36	1/2	446.76
3/4	3,679.54	3/4	3,324.51	3/4	2,961.38	3/4	2,597.65	3/4	2,233.78	3/4	1,869.91	3/4	1,506.66	3/4	1,142.90	3/4	779.80	3/4	440.54
9	3,673.25	9	3,316.94	9	2,953.81	9	2,590.07	9	2,226.20	9	1,862.33	9	1,499.11	9	1,135.32	9	772.25	9	434.45
1/4	3,666.95	1/4	3,309.38	1/4	2,946.25	1/4	2,582.49	1/4	2,218.62	1/4	1,854.75	1/4	1,491.56	1/4	1,127.74	1/4	764.70	1/4	428.36
1/2	3,660.66	1/2	3,301.81	1/2	2,938.68	1/2	2,574.91	1/2	2,211.04	1/2	1,847.17	1/2	1,484.01	1/2	1,120.16	1/2	757.15	1/2	422.27
3/4	3,654.36	3/4	3,294.25	3/4	2,931.12	3/4	2,567.33	3/4	2,203.46	3/4	1,839.59	3/4	1,476.46	3/4	1,112.58	3/4	749.59	3/4	416.18
10	3,647.31	10	3,286.68	10	2,923.55	10	2,559.75	10	2,195.88	10	1,832.01	10	1,468.88	10	1,105.00	10	742.05	10	410.20
1/4	3,640.26	1/4	3,279.12	1/4	2,915.99	1/4	2,552.17	1/4	2,188.30	1/4	1,824.43	1/4	1,461.31	1/4	1,097.42	1/4	734.50	1/4	404.22
1/2	3,633.20	1/2	3,271.55	1/2	2,908.42	1/2	2,544.59	1/2	2,180.72	1/2	1,816.85	1/2	1,453.73	1/2	1,089.84	1/2	726.95	1/2	398.24
3/4	3,626.15	3/4	3,263.99	3/4	2,900.86	3/4	2,537.01	3/4	2,173.14	3/4	1,809.27	3/4	1,446.15	3/4	1,082.25	3/4	719.41	3/4	392.27
11	3,618.67	11	3,256.42	11	2,893.28	11	2,529.43	11	2,165.56	11	1,801.69	11	1,438.57	11	1,074.67	11	711.92	11	386.40
1/4	3,611.19	1/4	3,248.86	1/4	2,885.71	1/4	2,521.85	1/4	2,157.98	1/4	1,794.11	1/4	1,430.99	1/4	1,067.09	1/4	704.43	1/4	380.53
1/2	3,603.71	1/2	3,241.29	1/2	2,878.13	1/2	2,514.27	1/2	2,150.40	1/2	1,786.53	1/2	1,423.41	1/2	1,059.51	1/2	696.94	1/2	374.67
3/4	3,596.23	3/4	3,233.73	3/4	2,870.55	3/4	2,506.69	3/4	2,142.82	3/4	1,778.95	3/4	1,415.83	3/4	1,051.93	3/4	689.45	3/4	368.80

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO 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
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BARGE "MPC 709"

1 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-05 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	363.04	0	104.17	0		0		0		0		0		0		0		0	
1/4	357.29	1/4	99.45	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	351.53	1/2	94.72	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	345.78	3/4	89.99	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	340.00	1	85.51	1		1		1		1		1		1		1		1	
1/4	334.21	1/4	81.02	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	328.43	1/2	76.54	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	322.65	3/4	72.06	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	316.81	2	67.85	2		2		2		2		2		2		2		2	
1/4	310.98	1/4	63.64	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	305.15	1/2	59.43	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	299.32	3/4	55.22	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	293.58	3	51.03	3		3		3		3		3		3		3		3	
1/4	287.84	1/4	46.84	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	282.10	1/2	42.65	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	276.36	3/4	38.46	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	270.73	4	35.02	4		4		4		4		4		4		4		4	
1/4	265.11	1/4	31.59	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	259.48	1/2	28.15	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	253.85	3/4	24.72	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	248.33	5	22.76	5		5		5		5		5		5		5		5	
1/4	242.82	1/4	20.80	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	237.30	1/2	18.85	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	231.78	3/4	16.89	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	226.38	6		6		6		6		6		6		6		6		6	
1/4	220.98	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	215.58	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	210.17	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	204.89	7		7		7		7		7		7		7		7		7	
1/4	199.60	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	194.31	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	189.03	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	183.85	8		8		8		8		8		8		8		8		8	
1/4	178.68	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	173.50	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	168.33	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	163.26	9		9		9		9		9		9		9		9		9	
1/4	158.20	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	153.14	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	148.07	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	143.12	10		10		10		10		10		10		10		10		10	
1/4	138.17	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	133.22	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	128.26	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	123.42	11		11		11		11		11		11		11		11		11	
1/4	118.58	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	113.74	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	108.90	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
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<http://www.pmacorp.net>



BARGE "MPC 709"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-06 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
0	0	3,752.86	0	3,394.56	0	3,035.50	0	2,675.76	0	2,316.02	0	1,956.28	0	1,600.52	0	1,241.62	0	898.93	
1/4	1/4	3,745.46	1/4	3,387.08	1/4	3,028.00	1/4	2,668.26	1/4	2,308.52	1/4	1,948.78	1/4	1,593.03	1/4	1,234.42	1/4	891.79	
1/2	1/2	3,738.02	1/2	3,379.60	1/2	3,020.51	1/2	2,660.77	1/2	2,301.03	1/2	1,941.29	1/2	1,585.53	1/2	1,227.26	1/2	884.66	
3/4	3/4	3,730.58	3/4	3,372.12	3/4	3,013.02	3/4	2,653.27	3/4	2,293.53	3/4	1,933.79	3/4	1,578.03	3/4	1,220.09	3/4	877.53	
1	1	3,723.14	1	3,364.64	1	3,005.52	1	2,645.78	1	2,286.04	1	1,926.30	1	1,570.54	1	1,212.93	1	870.39	
1/4	1/4	3,715.70	1/4	3,357.16	1/4	2,998.03	1/4	2,638.29	1/4	2,278.54	1/4	1,918.80	1/4	1,563.04	1/4	1,205.77	1/4	863.26	
1/2	1/2	3,708.26	1/2	3,349.68	1/2	2,990.53	1/2	2,630.79	1/2	2,271.05	1/2	1,911.31	1/2	1,555.55	1/2	1,198.63	1/2	855.81	
3/4	3/4	3,700.81	3/4	3,342.20	3/4	2,983.04	3/4	2,623.30	3/4	2,263.56	3/4	1,903.81	3/4	1,548.05	3/4	1,191.48	3/4	848.36	
2	2	3,693.37	2	3,334.73	2	2,975.54	2	2,615.80	2	2,256.06	2	1,896.32	2	1,540.56	2	1,184.33	2	840.91	
1/4	1/4	3,685.93	1/4	3,327.25	1/4	2,968.05	1/4	2,608.31	1/4	2,248.57	1/4	1,888.83	1/4	1,533.06	1/4	1,177.19	1/4	833.46	
1/2	1/2	3,678.49	1/2	3,319.77	1/2	2,960.55	1/2	2,600.81	1/2	2,241.07	1/2	1,881.33	1/2	1,525.57	1/2	1,170.05	1/2	825.96	
3/4	3/4	3,671.05	3/4	3,312.29	3/4	2,953.06	3/4	2,593.32	3/4	2,233.58	3/4	1,873.84	3/4	1,518.07	3/4	1,162.90	3/4	818.47	
3	3	3,663.61	3	3,304.81	3	2,945.56	3	2,585.82	3	2,226.08	3	1,866.34	3	1,510.58	3	1,155.76	3	810.97	
1/4	1/4	3,656.17	1/4	3,297.33	1/4	2,938.07	1/4	2,578.33	1/4	2,218.59	1/4	1,858.85	1/4	1,503.08	1/4	1,148.62	1/4	803.48	
1/2	1/2	3,648.72	1/2	3,289.85	1/2	2,930.57	1/2	2,570.83	1/2	2,211.09	1/2	1,851.35	1/2	1,495.59	1/2	1,141.48	1/2	795.98	
3/4	3/4	3,641.28	3/4	3,282.37	3/4	2,923.08	3/4	2,563.34	3/4	2,203.60	3/4	1,843.86	3/4	1,488.09	3/4	1,134.34	3/4	788.49	
4	4	3,633.84	4	3,274.89	4	2,915.59	4	2,555.84	4	2,196.10	4	1,836.36	4	1,480.60	4	1,127.20	4	780.99	
1/4	1/4	3,626.40	1/4	3,267.41	1/4	2,908.09	1/4	2,548.35	1/4	2,188.61	1/4	1,828.87	1/4	1,473.10	1/4	1,120.07	1/4	773.50	
1/2	1/2	3,618.92	1/2	3,259.93	1/2	2,900.60	1/2	2,540.86	1/2	2,181.11	1/2	1,821.52	1/2	1,465.61	1/2	1,112.93	1/2	766.00	
3/4	3/4	3,611.45	3/4	3,252.45	3/4	2,893.10	3/4	2,533.36	3/4	2,173.62	3/4	1,814.17	3/4	1,458.11	3/4	1,105.79	3/4	758.51	
5	5	3,603.98	5	3,244.97	5	2,885.61	5	2,525.87	5	2,166.13	5	1,806.82	5	1,450.61	5	1,098.66	5	751.01	
1/4	1/4	3,596.50	1/4	3,237.49	1/4	2,878.11	1/4	2,518.37	1/4	2,158.63	1/4	1,799.47	1/4	1,443.12	1/4	1,091.52	1/4	743.52	
1/2	1/2	3,589.02	1/2	3,230.02	1/2	2,870.62	1/2	2,510.88	1/2	2,151.14	1/2	1,792.14	1/2	1,435.62	1/2	1,084.39	1/2	736.02	
3/4	3/4	3,581.54	3/4	3,222.54	3/4	2,863.12	3/4	2,503.38	3/4	2,143.64	3/4	1,784.82	3/4	1,428.13	3/4	1,077.25	3/4	728.53	
6	6	3,574.06	6	3,215.06	6	2,855.63	6	2,495.89	6	2,136.15	6	1,777.49	6	1,420.63	6	1,070.12	6	721.03	
1/4	1/4	3,566.58	1/4	3,207.58	1/4	2,848.13	1/4	2,488.39	1/4	2,128.65	1/4	1,770.16	1/4	1,413.14	1/4	1,062.99	1/4	713.54	
1/2	1/2	3,559.10	1/2	3,200.10	1/2	2,840.64	1/2	2,480.90	1/2	2,121.16	1/2	1,762.83	1/2	1,405.64	1/2	1,055.85	1/2	706.05	
3/4	3/4	3,551.63	3/4	3,192.62	3/4	2,833.14	3/4	2,473.40	3/4	2,113.66	3/4	1,755.50	3/4	1,398.15	3/4	1,048.72	3/4	698.55	
7	7	3,544.15	7	3,185.14	7	2,825.65	7	2,465.91	7	2,106.17	7	1,748.17	7	1,390.65	7	1,041.59	7	691.06	
1/4	1/4	3,536.67	1/4	3,177.66	1/4	2,818.16	1/4	2,458.41	1/4	2,098.67	1/4	1,740.85	1/4	1,383.16	1/4	1,034.45	1/4	683.57	
1/2	1/2	3,529.19	1/2	3,170.18	1/2	2,810.66	1/2	2,450.92	1/2	2,091.18	1/2	1,733.52	1/2	1,375.66	1/2	1,027.32	1/2	676.22	
3/4	3/4	3,521.71	3/4	3,162.70	3/4	2,803.17	3/4	2,443.43	3/4	2,083.68	3/4	1,726.19	3/4	1,368.17	3/4	1,020.19	3/4	668.87	
8	8	3,514.23	8	3,155.22	8	2,795.67	8	2,435.93	8	2,076.19	8	1,718.86	8	1,360.67	8	1,013.05	8	661.52	
1/4	1/4	3,506.75	1/4	3,147.74	1/4	2,788.18	1/4	2,428.44	1/4	2,068.70	1/4	1,711.53	1/4	1,353.18	1/4	1,005.92	1/4	654.16	
1/2	1/2	3,499.27	1/2	3,140.26	1/2	2,780.68	1/2	2,420.94	1/2	2,061.20	1/2	1,704.21	1/2	1,345.68	1/2	998.79	1/2	646.97	
3/4	3/4	3,491.79	3/4	3,132.78	3/4	2,773.19	3/4	2,413.45	3/4	2,053.71	3/4	1,696.88	3/4	1,338.19	3/4	991.66	3/4	639.77	
9	9	3,484.31	9	3,125.30	9	2,765.69	9	2,405.95	9	2,046.21	9	1,689.55	9	1,330.69	9	984.52	9	632.58	
1/4	1/4	3,476.83	1/4	3,117.83	1/4	2,758.20	1/4	2,398.46	1/4	2,038.72	1/4	1,682.22	1/4	1,323.19	1/4	977.39	1/4	625.38	
1/2	1/2	3,469.35	1/2	3,110.35	1/2	2,750.70	1/2	2,390.96	1/2	2,031.22	1/2	1,674.89	1/2	1,315.70	1/2	970.26	1/2	618.21	
3/4	3/4	3,461.87	3/4	3,102.87	3/4	2,743.21	3/4	2,383.47	3/4	2,023.73	3/4	1,667.56	3/4	1,308.20	3/4	963.12	3/4	611.03	
10	10	3,454.39	10	3,095.39	10	2,735.72	10	2,375.97	10	2,016.23	10	1,660.24	10	1,300.71	10	955.99	10	603.86	
1/4	1/4	3,446.91	1/4	3,087.91	1/4	2,728.22	1/4	2,368.48	1/4	2,008.74	1/4	1,652.91	1/4	1,293.21	1/4	948.86	1/4	596.68	
1/2	1/2	3,439.44	1/2	3,080.43	1/2	2,720.73	1/2	2,360.99	1/2	2,001.24	1/2	1,645.43	1/2	1,285.72	1/2	941.72	1/2	589.51	
3/4	3/4	3,431.96	3/4	3,072.95	3/4	2,713.23	3/4	2,353.49	3/4	1,993.75	3/4	1,637.96	3/4	1,278.22	3/4	934.59	3/4	582.33	
11	11	3,424.48	11	3,065.47	11	2,705.74	11	2,346.00	11	1,986.26	11	1,630.48	11	1,270.73	11	927.46	11	575.16	
1/4	1/4	3,417.00	1/4	3,057.99	1/4	2,698.24	1/4	2,338.50	1/4	1,978.76	1/4	1,623.01	1/4	1,263.23	1/4	920.32	1/4	567.98	
1/2	1/2	3,409.52	1/2	3,050.49	1/2	2,690.75	1/2	2,331.01	1/2	1,971.27	1/2	1,615.51	1/2	1,256.03	1/2	913.19	1/2	560.81	
3/4	3/4	3,402.04	3/4	3,043.00	3/4	2,683.25	3/4	2,323.51	3/4	1,963.77	3/4	1,608.02	3/4	1,248.82	3/4	906.06	3/4	553.63	

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 709"

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	546.45	0	189.23	0		0		0		0		0		0		0		0	
1/4	539.28	1/4	181.74	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	532.10	1/2	174.25	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	524.93	3/4	166.76	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	517.75	1	159.27	1		1		1		1		1		1		1		1	
1/4	510.58	1/4	151.79	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	503.26	1/2	144.43	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	495.95	3/4	137.08	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	488.63	2	129.73	2		2		2		2		2		2		2		2	
1/4	481.32	1/4	122.37	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	473.84	1/2	115.18	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	466.37	3/4	107.99	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	458.89	3	100.80	3		3		3		3		3		3		3		3	
1/4	451.42	1/4	93.61	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	443.92	1/2	86.32	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	436.43	3/4	79.03	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	428.93	4	71.75	4		4		4		4		4		4		4		4	
1/4	421.44	1/4	64.46	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	413.94	1/2	57.81	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	406.45	3/4	51.16	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	398.95	5	44.51	5		5		5		5		5		5		5		5	
1/4	391.46	1/4	37.86	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	383.96	1/2	32.94	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	376.47	3/4	28.02	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	368.97	6	23.10	6		6		6		6		6		6		6		6	
1/4	361.48	1/4	18.19	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	353.98	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	346.49	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	339.00	7		7		7		7		7		7		7		7		7	
1/4	331.51	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	324.02	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	316.53	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	309.04	8		8		8		8		8		8		8		8		8	
1/4	301.55	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	294.06	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	286.57	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	279.09	9		9		9		9		9		9		9		9		9	
1/4	271.60	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	264.11	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	256.62	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	249.13	10		10		10		10		10		10		10		10		10	
1/4	241.64	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	234.16	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	226.67	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	219.18	11		11		11		11		11		11		11		11		11	
1/4	211.69	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	204.20	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	196.72	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 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 709"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-06 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4		1/4	3,763.93	1/4	3,406.35	1/4	3,048.03	1/4	2,689.01	1/4	2,329.99	1/4	1,970.97	1/4	1,615.94	1/4	1,256.88	1/4	898.94		
1/2		1/2	3,756.55	1/2	3,398.89	1/2	3,040.55	1/2	2,681.53	1/2	2,322.51	1/2	1,963.49	1/2	1,608.46	1/2	1,249.40	1/2	891.49		
3/4		3/4	3,749.12	3/4	3,391.42	3/4	3,033.07	3/4	2,674.05	3/4	2,315.03	3/4	1,956.01	3/4	1,600.98	3/4	1,241.92	3/4	884.04		
1		1	3,741.70	1	3,383.96	1	3,025.59	1	2,666.57	1	2,307.55	1	1,948.53	1	1,593.49	1	1,234.44	1	876.59		
1/4		1/4	3,734.27	1/4	3,376.49	1/4	3,018.11	1/4	2,659.09	1/4	2,300.07	1/4	1,941.05	1/4	1,586.01	1/4	1,226.96	1/4	869.14		
1/2		1/2	3,726.84	1/2	3,369.03	1/2	3,010.63	1/2	2,651.61	1/2	2,292.59	1/2	1,933.57	1/2	1,578.53	1/2	1,219.48	1/2	861.68		
3/4		3/4	3,719.42	3/4	3,361.57	3/4	3,003.15	3/4	2,644.13	3/4	2,285.11	3/4	1,926.09	3/4	1,571.05	3/4	1,212.02	3/4	854.21		
2		2	3,711.99	2	3,354.10	2	2,995.67	2	2,636.65	2	2,277.63	2	1,918.61	2	1,563.57	2	1,204.55	2	846.73		
1/4		1/4	3,704.56	1/4	3,346.64	1/4	2,988.19	1/4	2,629.17	1/4	2,270.15	1/4	1,911.13	1/4	1,556.09	1/4	1,197.09	1/4	839.26		
1/2		1/2	3,697.14	1/2	3,339.17	1/2	2,980.71	1/2	2,621.69	1/2	2,262.67	1/2	1,903.65	1/2	1,548.61	1/2	1,189.63	1/2	831.78		
3/4		3/4	3,689.71	3/4	3,331.71	3/4	2,973.24	3/4	2,614.21	3/4	2,255.19	3/4	1,896.17	3/4	1,541.13	3/4	1,182.16	3/4	824.30		
3		3	3,682.28	3	3,324.25	3	2,965.76	3	2,606.73	3	2,247.71	3	1,888.69	3	1,533.65	3	1,174.70	3	816.82		
1/4		1/4	3,674.86	1/4	3,316.78	1/4	2,958.28	1/4	2,599.26	1/4	2,240.23	1/4	1,881.21	1/4	1,526.17	1/4	1,167.24	1/4	809.34		
1/2		1/2	3,667.43	1/2	3,309.32	1/2	2,950.80	1/2	2,591.78	1/2	2,232.75	1/2	1,873.73	1/2	1,518.69	1/2	1,159.78	1/2	801.86		
3/4		3/4	3,660.00	3/4	3,301.85	3/4	2,943.32	3/4	2,584.30	3/4	2,225.28	3/4	1,866.25	3/4	1,511.21	3/4	1,152.32	3/4	794.38		
4		4	3,652.58	4	3,294.39	4	2,935.84	4	2,576.82	4	2,217.80	4	1,858.77	4	1,503.73	4	1,144.87	4	786.90		
1/4		1/4	3,645.15	1/4	3,286.92	1/4	2,928.36	1/4	2,569.34	1/4	2,210.32	1/4	1,851.30	1/4	1,496.25	1/4	1,137.41	1/4	779.42		
1/2		1/2	3,637.72	1/2	3,279.46	1/2	2,920.88	1/2	2,561.86	1/2	2,202.84	1/2	1,843.82	1/2	1,488.77	1/2	1,129.96	1/2	771.94		
3/4		3/4	3,630.26	3/4	3,272.00	3/4	2,913.40	3/4	2,554.38	3/4	2,195.36	3/4	1,836.48	3/4	1,481.29	3/4	1,122.50	3/4	764.46		
5		5	3,622.80	5	3,264.53	5	2,905.92	5	2,546.90	5	2,187.88	5	1,829.15	5	1,473.81	5	1,115.04	5	756.98		
1/4		1/4	3,615.34	1/4	3,257.07	1/4	2,898.44	1/4	2,539.42	1/4	2,180.40	1/4	1,821.81	1/4	1,466.33	1/4	1,107.59	1/4	749.50		
1/2		1/2	3,607.88	1/2	3,249.60	1/2	2,890.96	1/2	2,531.94	1/2	2,172.92	1/2	1,814.48	1/2	1,458.85	1/2	1,100.13	1/2	742.02		
3/4		3/4	3,600.42	3/4	3,242.14	3/4	2,883.48	3/4	2,524.46	3/4	2,165.44	3/4	1,807.17	3/4	1,451.37	3/4	1,092.68	3/4	734.54		
6		6	3,592.96	6	3,234.67	6	2,876.00	6	2,516.98	6	2,157.96	6	1,799.85	6	1,443.89	6	1,085.23	6	727.06		
1/4		1/4	3,585.49	1/4	3,227.21	1/4	2,868.52	1/4	2,509.50	1/4	2,150.48	1/4	1,792.54	1/4	1,436.41	1/4	1,077.78	1/4	719.58		
1/2		1/2	3,578.03	1/2	3,219.75	1/2	2,861.04	1/2	2,502.02	1/2	2,143.00	1/2	1,785.23	1/2	1,428.93	1/2	1,070.33	1/2	712.10		
3/4		3/4	3,570.56	3/4	3,212.28	3/4	2,853.56	3/4	2,494.54	3/4	2,135.52	3/4	1,777.91	3/4	1,421.45	3/4	1,062.87	3/4	704.62		
7	3,887.39	7	3,563.10	7	3,204.82	7	2,846.08	7	2,487.06	7	2,128.04	7	1,770.60	7	1,413.97	7	1,055.42	7	697.14		
1/4		1/4	3,883.42	1/4	3,555.64	1/4	3,197.35	1/4	2,838.60	1/4	2,479.58	1/4	1,763.29	1/4	1,406.49	1/4	1,047.97	1/4	689.67		
1/2		1/2	3,879.46	1/2	3,548.17	1/2	3,189.89	1/2	2,831.12	1/2	2,472.10	1/2	1,755.97	1/2	1,399.01	1/2	1,040.52	1/2	682.19		
3/4		3/4	3,874.74	3/4	3,540.71	3/4	3,182.43	3/4	2,823.64	3/4	2,464.62	3/4	1,748.66	3/4	1,391.53	3/4	1,033.07	3/4	674.85		
8		8	3,870.03	8	3,533.24	8	3,174.96	8	2,816.16	8	2,457.14	8	1,741.35	8	1,384.05	8	1,025.62	8	667.52		
1/4		1/4	3,865.31	1/4	3,525.78	1/4	3,167.50	1/4	2,808.68	1/4	2,449.66	1/4	1,734.03	1/4	1,376.57	1/4	1,018.17	1/4	660.18		
1/2		1/2	3,860.60	1/2	3,518.31	1/2	3,160.03	1/2	2,801.20	1/2	2,442.18	1/2	1,726.72	1/2	1,369.09	1/2	1,010.71	1/2	652.84		
3/4		3/4	3,855.14	3/4	3,510.85	3/4	3,152.57	3/4	2,793.72	3/4	2,434.70	3/4	1,719.41	3/4	1,361.61	3/4	1,003.26	3/4	645.66		
9		9	3,849.67	9	3,503.39	9	3,145.10	9	2,786.25	9	2,427.22	9	1,712.09	9	1,354.13	9	995.81	9	638.48		
1/4		1/4	3,844.21	1/4	3,495.92	1/4	3,137.64	1/4	2,778.77	1/4	2,419.74	1/4	1,704.78	1/4	1,346.64	1/4	988.36	1/4	631.30		
1/2		1/2	3,838.75	1/2	3,488.46	1/2	3,130.18	1/2	2,771.29	1/2	2,412.27	1/2	1,697.47	1/2	1,339.16	1/2	980.91	1/2	624.12		
3/4		3/4	3,832.54	3/4	3,480.99	3/4	3,122.71	3/4	2,763.81	3/4	2,404.79	3/4	1,690.15	3/4	1,331.68	3/4	973.46	3/4	616.96		
10		10	3,826.33	10	3,473.53	10	3,115.25	10	2,756.33	10	2,397.31	10	1,682.84	10	1,324.20	10	966.01	10	609.80		
1/4		1/4	3,820.11	1/4	3,466.06	1/4	3,107.78	1/4	2,748.85	1/4	2,389.83	1/4	1,675.53	1/4	1,316.72	1/4	958.55	1/4	602.64		
1/2		1/2	3,813.90	1/2	3,458.60	1/2	3,100.32	1/2	2,741.37	1/2	2,382.35	1/2	1,668.21	1/2	1,309.24	1/2	951.10	1/2	595.48		
3/4		3/4	3,806.94	3/4	3,451.14	3/4	3,092.85	3/4	2,733.89	3/4	2,374.87	3/4	1,660.75	3/4	1,301.76	3/4	943.65	3/4	588.32		
11		11	3,799.99	11	3,443.67	11	3,085.39	11	2,726.41	11	2,367.39	11	1,653.29	11	1,294.28	11	936.20	11	581.16		
1/4		1/4	3,793.03	1/4	3,436.21	1/4	3,077.93	1/4	2,718.93	1/4	2,359.91	1/4	1,645.84	1/4	1,286.80	1/4	928.75	1/4	574.00		
1/2		1/2	3,786.07	1/2	3,428.74	1/2	3,070.46	1/2	2,711.45	1/2	2,352.43	1/2	1,638.38	1/2	1,279.32	1/2	921.30	1/2	566.84		
3/4		3/4	3,778.69	3/4	3,421.28	3/4	3,062.98	3/4	2,703.97	3/4	2,344.95	3/4	1,630.90	3/4	1,271.84	3/4	913.84	3/4	559.68		
12		12	3,771.31	12	3,413.82	12	3,055.51	12	2,696.49	12	2,337.47	12	1,623.42	12	1,264.36	12	906.39	12	552.52		

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO 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 709"

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	545.36	0	188.85	0		0		0		0		0		0		0		0	
1/4	538.20	1/4	181.38	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	531.03	1/2	173.90	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	523.87	3/4	166.43	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	516.71	1	158.96	1		1		1		1		1		1		1		1	
1/4	509.55	1/4	151.48	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	502.25	1/2	144.15	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	494.95	3/4	136.81	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	487.65	2	129.47	2		2		2		2		2		2		2		2	
1/4	480.35	1/4	122.13	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	472.89	1/2	114.95	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	465.43	3/4	107.78	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	457.97	3	100.60	3		3		3		3		3		3		3		3	
1/4	450.51	1/4	93.42	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	443.03	1/2	86.15	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	435.55	3/4	78.88	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	428.07	4	71.61	4		4		4		4		4		4		4		4	
1/4	420.59	1/4	64.34	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	413.11	1/2	57.70	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	405.63	3/4	51.06	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	398.15	5	44.43	5		5		5		5		5		5		5		5	
1/4	390.67	1/4	37.79	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	383.19	1/2	32.88	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	375.71	3/4	27.97	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	368.23	6	23.06	6		6		6		6		6		6		6		6	
1/4	360.75	1/4	18.15	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	353.27	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	345.80	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	338.32	7		7		7		7		7		7		7		7		7	
1/4	330.84	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	323.37	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	315.90	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	308.42	8		8		8		8		8		8		8		8		8	
1/4	300.95	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	293.48	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	286.00	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	278.53	9		9		9		9		9		9		9		9		9	
1/4	271.06	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	263.58	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	256.11	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	248.64	10		10		10		10		10		10		10		10		10	
1/4	241.16	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	233.69	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	226.22	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	218.74	11		11		11		11		11		11		11		11		11	
1/4	211.27	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	203.80	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	196.32	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 709"

3 PORT 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	3,719.95	0	3,363.94	0	3,007.25	0	2,649.87	0	2,292.50	0	1,935.31	0	1,581.93	0	1,226.06	0	886.72
1/4		1/4	3,712.56	1/4	3,356.51	1/4	2,999.80	1/4	2,642.43	1/4	2,285.05	1/4	1,927.87	1/4	1,574.49	1/4	1,218.97	1/4	879.66
1/2		1/2	3,705.17	1/2	3,349.08	1/2	2,992.36	1/2	2,634.98	1/2	2,277.61	1/2	1,920.43	1/2	1,567.05	1/2	1,211.87	1/2	872.59
3/4		3/4	3,697.78	3/4	3,341.65	3/4	2,984.91	3/4	2,627.54	3/4	2,270.16	3/4	1,912.99	3/4	1,559.61	3/4	1,204.78	3/4	865.53
1		1	3,690.38	1	3,334.22	1	2,977.47	1	2,620.09	1	2,262.72	1	1,905.56	1	1,552.17	1	1,197.69	1	858.46
1/4		1/4	3,682.99	1/4	3,326.79	1/4	2,970.02	1/4	2,612.65	1/4	2,255.27	1/4	1,898.12	1/4	1,544.73	1/4	1,190.61	1/4	851.06
1/2		1/2	3,675.60	1/2	3,319.36	1/2	2,962.58	1/2	2,605.20	1/2	2,247.83	1/2	1,890.68	1/2	1,537.29	1/2	1,183.53	1/2	843.66
3/4		3/4	3,668.21	3/4	3,311.93	3/4	2,955.13	3/4	2,597.76	3/4	2,240.38	3/4	1,883.24	3/4	1,529.85	3/4	1,176.46	3/4	836.26
2		2	3,660.82	2	3,304.50	2	2,947.69	2	2,590.31	2	2,232.94	2	1,875.81	2	1,522.42	2	1,169.38	2	828.86
1/4		1/4	3,653.42	1/4	3,297.07	1/4	2,940.24	1/4	2,582.87	1/4	2,225.49	1/4	1,868.37	1/4	1,514.98	1/4	1,162.31	1/4	821.41
1/2		1/2	3,646.03	1/2	3,289.64	1/2	2,932.80	1/2	2,575.42	1/2	2,218.05	1/2	1,860.93	1/2	1,507.54	1/2	1,155.23	1/2	813.96
3/4		3/4	3,638.64	3/4	3,282.21	3/4	2,925.35	3/4	2,567.98	3/4	2,210.60	3/4	1,853.49	3/4	1,500.10	3/4	1,148.16	3/4	806.51
3		3	3,631.25	3	3,274.78	3	2,917.91	3	2,560.53	3	2,203.16	3	1,846.06	3	1,492.66	3	1,141.08	3	799.06
1/4		1/4	3,623.85	1/4	3,267.35	1/4	2,910.46	1/4	2,553.09	1/4	2,195.71	1/4	1,838.62	1/4	1,485.22	1/4	1,134.01	1/4	791.61
1/2		1/2	3,616.46	1/2	3,259.92	1/2	2,903.01	1/2	2,545.64	1/2	2,188.27	1/2	1,831.18	1/2	1,477.78	1/2	1,126.94	1/2	784.16
3/4		3/4	3,609.07	3/4	3,252.49	3/4	2,895.57	3/4	2,538.19	3/4	2,180.82	3/4	1,823.74	3/4	1,470.34	3/4	1,119.87	3/4	776.72
4		4	3,601.68	4	3,245.06	4	2,888.12	4	2,530.75	4	2,173.38	4	1,816.31	4	1,462.90	4	1,112.81	4	769.27
1/4		1/4	3,594.25	1/4	3,237.63	1/4	2,880.68	1/4	2,523.30	1/4	2,165.93	1/4	1,809.00	1/4	1,455.46	1/4	1,105.74	1/4	761.82
1/2		1/2	3,586.83	1/2	3,230.20	1/2	2,873.23	1/2	2,515.86	1/2	2,158.48	1/2	1,801.70	1/2	1,448.02	1/2	1,098.67	1/2	754.37
3/4		3/4	3,579.40	3/4	3,222.77	3/4	2,865.79	3/4	2,508.41	3/4	2,151.04	3/4	1,794.39	3/4	1,440.59	3/4	1,091.60	3/4	746.92
5		5	3,571.98	5	3,215.34	5	2,858.34	5	2,500.97	5	2,143.59	5	1,787.09	5	1,433.15	5	1,084.53	5	739.47
1/4		1/4	3,564.55	1/4	3,207.91	1/4	2,850.90	1/4	2,493.52	1/4	2,136.15	1/4	1,779.80	1/4	1,425.71	1/4	1,077.47	1/4	732.02
1/2		1/2	3,557.12	1/2	3,200.48	1/2	2,843.45	1/2	2,486.08	1/2	2,128.70	1/2	1,772.51	1/2	1,418.27	1/2	1,070.40	1/2	724.57
3/4		3/4	3,549.69	3/4	3,193.05	3/4	2,836.01	3/4	2,478.63	3/4	2,121.26	3/4	1,765.23	3/4	1,410.83	3/4	1,063.34	3/4	717.12
6		6	3,542.26	6	3,185.62	6	2,828.56	6	2,471.19	6	2,113.81	6	1,757.94	6	1,403.39	6	1,056.27	6	709.68
1/4		1/4	3,534.83	1/4	3,178.19	1/4	2,821.12	1/4	2,463.74	1/4	2,106.37	1/4	1,750.66	1/4	1,395.95	1/4	1,049.21	1/4	702.23
1/2	3,850.20	1/2	3,527.40	1/2	3,170.76	1/2	2,813.67	1/2	2,456.30	1/2	2,098.93	1/2	1,743.37	1/2	1,388.51	1/2	1,042.14	1/2	694.79
3/4	3,846.25	3/4	3,519.97	3/4	3,163.33	3/4	2,806.23	3/4	2,448.85	3/4	2,091.50	3/4	1,736.08	3/4	1,381.07	3/4	1,035.08	3/4	687.35
7	3,842.29	7	3,512.54	7	3,155.90	7	2,798.78	7	2,441.41	7	2,084.06	7	1,728.80	7	1,373.63	7	1,028.01	7	679.90
1/4	3,837.60	1/4	3,505.11	1/4	3,148.47	1/4	2,791.33	1/4	2,433.96	1/4	2,076.62	1/4	1,721.51	1/4	1,366.19	1/4	1,020.95	1/4	672.60
1/2	3,832.90	1/2	3,497.68	1/2	3,141.04	1/2	2,783.89	1/2	2,426.52	1/2	2,069.18	1/2	1,714.23	1/2	1,358.76	1/2	1,013.89	1/2	665.30
3/4	3,828.20	3/4	3,490.25	3/4	3,133.61	3/4	2,776.44	3/4	2,419.07	3/4	2,061.74	3/4	1,706.94	3/4	1,351.32	3/4	1,006.82	3/4	657.99
8	3,823.50	8	3,482.82	8	3,126.18	8	2,769.00	8	2,411.62	8	2,054.31	8	1,699.65	8	1,343.88	8	999.76	8	650.69
1/4	3,818.06	1/4	3,475.39	1/4	3,118.75	1/4	2,761.55	1/4	2,404.18	1/4	2,046.87	1/4	1,692.37	1/4	1,336.44	1/4	992.69	1/4	643.54
1/2	3,812.63	1/2	3,467.96	1/2	3,111.32	1/2	2,754.11	1/2	2,396.73	1/2	2,039.43	1/2	1,685.08	1/2	1,329.00	1/2	985.63	1/2	636.40
3/4	3,807.19	3/4	3,460.53	3/4	3,103.89	3/4	2,746.66	3/4	2,389.29	3/4	2,031.99	3/4	1,677.80	3/4	1,321.56	3/4	978.56	3/4	629.25
9	3,801.76	9	3,453.10	9	3,096.46	9	2,739.22	9	2,381.84	9	2,024.56	9	1,670.51	9	1,314.12	9	971.50	9	622.11
1/4	3,795.58	1/4	3,445.67	1/4	3,089.03	1/4	2,731.77	1/4	2,374.40	1/4	2,017.12	1/4	1,663.22	1/4	1,306.68	1/4	964.43	1/4	614.98
1/2	3,789.40	1/2	3,438.24	1/2	3,081.60	1/2	2,724.33	1/2	2,366.95	1/2	2,009.68	1/2	1,655.94	1/2	1,299.24	1/2	957.37	1/2	607.85
3/4	3,783.22	3/4	3,430.81	3/4	3,074.17	3/4	2,716.88	3/4	2,359.51	3/4	2,002.24	3/4	1,648.65	3/4	1,291.80	3/4	950.30	3/4	600.73
10	3,777.04	10	3,423.38	10	3,066.74	10	2,709.44	10	2,352.06	10	1,994.81	10	1,641.37	10	1,284.36	10	943.24	10	593.60
1/4	3,770.11	1/4	3,415.95	1/4	3,059.31	1/4	2,701.99	1/4	2,344.62	1/4	1,987.37	1/4	1,633.95	1/4	1,276.93	1/4	936.17	1/4	586.48
1/2	3,763.19	1/2	3,408.52	1/2	3,051.88	1/2	2,694.55	1/2	2,337.17	1/2	1,979.93	1/2	1,626.53	1/2	1,269.49	1/2	929.11	1/2	579.35
3/4	3,756.26	3/4	3,401.09	3/4	3,044.45	3/4	2,687.10	3/4	2,329.73	3/4	1,972.49	3/4	1,619.11	3/4	1,262.05	3/4	922.04	3/4	572.22
11	3,749.33	11	3,393.66	11	3,037.02	11	2,679.66	11	2,322.28	11	1,965.06	11	1,611.68	11	1,254.61	11	914.98	11	565.10
1/4	3,741.99	1/4	3,386.23	1/4	3,029.58	1/4	2,672.21	1/4	2,314.84	1/4	1,957.62	1/4	1,604.25	1/4	1,247.47	1/4	907.91	1/4	557.97
1/2	3,734.64	1/2	3,378.80	1/2	3,022.14	1/2	2,664.76	1/2	2,307.39	1/2	1,950.18	1/2	1,596.81	1/2	1,240.33	1/2	900.85	1/2	550.84
3/4	3,727.30	3/4	3,371.37	3/4	3,014.69	3/4	2,657.32	3/4	2,299.95	3/4	1,942.74	3/4	1,589.37	3/4	1,233.20	3/4	893.79	3/4	543.72

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 709"

3 PORT 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	536.59	0	180.90	0		0		0		0		0		0		0		0	
1/4	529.46	1/4	173.45	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	522.33	1/2	165.99	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	515.21	3/4	158.54	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	508.08	1	151.09	1		1		1		1		1		1		1		1	
1/4	500.81	1/4	143.77	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	493.54	1/2	136.45	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	486.27	3/4	129.13	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	479.00	2	121.81	2		2		2		2		2		2		2		2	
1/4	471.57	1/4	114.65	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	464.14	1/2	107.50	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	456.71	3/4	100.34	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	449.28	3	93.18	3		3		3		3		3		3		3		3	
1/4	441.84	1/4	85.93	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	434.39	1/2	78.68	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	426.94	3/4	71.43	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	419.49	4	64.17	4		4		4		4		4		4		4		4	
1/4	412.03	1/4	57.55	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	404.57	1/2	50.93	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	397.11	3/4	44.31	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	389.65	5	37.69	5		5		5		5		5		5		5		5	
1/4	382.19	1/4	32.80	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	374.73	1/2	27.90	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	367.27	3/4	23.01	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	359.81	6	18.11	6		6		6		6		6		6		6		6	
1/4	352.35	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	344.89	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	337.44	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	329.98	7		7		7		7		7		7		7		7		7	
1/4	322.52	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	315.07	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	307.62	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	300.16	8		8		8		8		8		8		8		8		8	
1/4	292.71	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	285.25	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	277.80	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	270.35	9		9		9		9		9		9		9		9		9	
1/4	262.89	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	255.44	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	247.99	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	240.53	10		10		10		10		10		10		10		10		10	
1/4	233.08	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	225.62	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	218.17	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	210.72	11		11		11		11		11		11		11		11		11	
1/4	203.26	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	195.81	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	188.35	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 709"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-05 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0	3,730.71	0	3,374.75	0	3,018.14	0	2,660.86	0	2,303.57	0	1,946.89	0	1,593.55	0	1,236.15	0	879.92
1/4		1/4	3,723.32	1/4	3,367.32	1/4	3,010.70	1/4	2,653.41	1/4	2,296.13	1/4	1,939.45	1/4	1,586.11	1/4	1,228.70	1/4	872.50
1/2		1/2	3,715.93	1/2	3,359.89	1/2	3,003.25	1/2	2,645.97	1/2	2,288.69	1/2	1,932.01	1/2	1,578.66	1/2	1,221.26	1/2	865.09
3/4		3/4	3,708.54	3/4	3,352.47	3/4	2,995.81	3/4	2,638.53	3/4	2,281.24	3/4	1,924.56	3/4	1,571.22	3/4	1,213.81	3/4	857.67
1		1	3,701.15	1	3,345.04	1	2,988.37	1	2,631.08	1	2,273.80	1	1,917.12	1	1,563.77	1	1,206.38	1	850.23
1/4		1/4	3,693.76	1/4	3,337.61	1/4	2,980.92	1/4	2,623.64	1/4	2,266.36	1/4	1,909.67	1/4	1,556.32	1/4	1,198.95	1/4	842.78
1/2		1/2	3,686.37	1/2	3,330.18	1/2	2,973.48	1/2	2,616.20	1/2	2,258.91	1/2	1,902.23	1/2	1,548.88	1/2	1,191.52	1/2	835.34
3/4		3/4	3,678.98	3/4	3,322.75	3/4	2,966.04	3/4	2,608.75	3/4	2,251.47	3/4	1,894.78	3/4	1,541.43	3/4	1,184.09	3/4	827.90
2		2	3,671.59	2	3,315.33	2	2,958.59	2	2,601.31	2	2,244.03	2	1,887.34	2	1,533.99	2	1,176.67	2	820.45
1/4		1/4	3,664.20	1/4	3,307.90	1/4	2,951.15	1/4	2,593.87	1/4	2,236.58	1/4	1,879.90	1/4	1,526.54	1/4	1,169.24	1/4	813.01
1/2		1/2	3,656.81	1/2	3,300.47	1/2	2,943.71	1/2	2,586.42	1/2	2,229.14	1/2	1,872.45	1/2	1,519.09	1/2	1,161.81	1/2	805.56
3/4		3/4	3,649.42	3/4	3,293.04	3/4	2,936.26	3/4	2,578.98	3/4	2,221.70	3/4	1,865.01	3/4	1,511.65	3/4	1,154.39	3/4	798.12
3		3	3,642.03	3	3,285.61	3	2,928.82	3	2,571.54	3	2,214.25	3	1,857.56	3	1,504.20	3	1,146.97	3	790.67
1/4		1/4	3,634.64	1/4	3,278.19	1/4	2,921.38	1/4	2,564.09	1/4	2,206.81	1/4	1,850.12	1/4	1,496.76	1/4	1,139.54	1/4	783.23
1/2		1/2	3,627.25	1/2	3,270.76	1/2	2,913.93	1/2	2,556.65	1/2	2,199.37	1/2	1,842.67	1/2	1,489.31	1/2	1,132.12	1/2	775.78
3/4		3/4	3,619.86	3/4	3,263.33	3/4	2,906.49	3/4	2,549.21	3/4	2,191.92	3/4	1,835.23	3/4	1,481.86	3/4	1,124.70	3/4	768.34
4		4	3,612.43	4	3,255.90	4	2,899.05	4	2,541.76	4	2,184.50	4	1,827.93	4	1,474.42	4	1,117.28	4	760.89
1/4		1/4	3,605.01	1/4	3,248.47	1/4	2,891.60	1/4	2,534.32	1/4	2,177.08	1/4	1,820.63	1/4	1,466.97	1/4	1,109.86	1/4	753.44
1/2		1/2	3,597.59	1/2	3,241.05	1/2	2,884.16	1/2	2,526.88	1/2	2,169.66	1/2	1,813.33	1/2	1,459.53	1/2	1,102.44	1/2	746.00
3/4		3/4	3,590.16	3/4	3,233.62	3/4	2,876.71	3/4	2,519.43	3/4	2,162.24	3/4	1,806.04	3/4	1,452.08	3/4	1,095.02	3/4	738.55
5		5	3,582.73	5	3,226.19	5	2,869.27	5	2,511.99	5	2,154.82	5	1,798.76	5	1,444.63	5	1,087.60	5	731.11
1/4		1/4	3,575.31	1/4	3,218.76	1/4	2,861.83	1/4	2,504.54	1/4	2,147.40	1/4	1,791.48	1/4	1,437.19	1/4	1,080.18	1/4	723.66
1/2		1/2	3,567.88	1/2	3,211.33	1/2	2,854.38	1/2	2,497.10	1/2	2,139.98	1/2	1,784.20	1/2	1,429.74	1/2	1,072.77	1/2	716.22
3/4		3/4	3,560.45	3/4	3,203.91	3/4	2,846.94	3/4	2,489.66	3/4	2,132.57	3/4	1,776.92	3/4	1,422.30	3/4	1,065.35	3/4	708.77
6		6	3,553.02	6	3,196.48	6	2,839.50	6	2,482.21	6	2,125.15	6	1,769.65	6	1,414.85	6	1,057.93	6	701.33
1/4	3,868.30	1/4	3,545.59	1/4	3,189.05	1/4	2,832.05	1/4	2,474.77	1/4	2,117.73	1/4	1,762.37	1/4	1,407.41	1/4	1,050.51	1/4	693.89
1/2	3,864.35	1/2	3,538.17	1/2	3,181.62	1/2	2,824.61	1/2	2,467.33	1/2	2,110.31	1/2	1,755.09	1/2	1,399.96	1/2	1,043.10	1/2	686.44
3/4	3,860.41	3/4	3,530.74	3/4	3,174.19	3/4	2,817.17	3/4	2,459.88	3/4	2,102.89	3/4	1,747.81	3/4	1,392.51	3/4	1,035.68	3/4	679.00
7	3,855.71	7	3,523.31	7	3,166.77	7	2,809.72	7	2,452.44	7	2,095.48	7	1,740.54	7	1,385.07	7	1,028.26	7	671.70
1/4	3,851.02	1/4	3,515.88	1/4	3,159.34	1/4	2,802.28	1/4	2,445.00	1/4	2,088.06	1/4	1,733.26	1/4	1,377.62	1/4	1,020.85	1/4	664.40
1/2	3,846.33	1/2	3,508.45	1/2	3,151.91	1/2	2,794.84	1/2	2,437.55	1/2	2,080.64	1/2	1,725.98	1/2	1,370.18	1/2	1,013.43	1/2	657.09
3/4	3,841.64	3/4	3,501.03	3/4	3,144.48	3/4	2,787.39	3/4	2,430.11	3/4	2,073.22	3/4	1,718.70	3/4	1,362.73	3/4	1,006.01	3/4	649.79
8	3,836.20	8	3,493.60	8	3,137.05	8	2,779.95	8	2,422.67	8	2,065.80	8	1,711.42	8	1,355.28	8	998.59	8	642.65
1/4	3,830.77	1/4	3,486.17	1/4	3,129.63	1/4	2,772.51	1/4	2,415.22	1/4	2,058.39	1/4	1,704.15	1/4	1,347.84	1/4	991.18	1/4	635.50
1/2	3,825.33	1/2	3,478.74	1/2	3,122.20	1/2	2,765.06	1/2	2,407.78	1/2	2,050.97	1/2	1,696.87	1/2	1,340.39	1/2	983.76	1/2	628.35
3/4	3,819.89	3/4	3,471.31	3/4	3,114.77	3/4	2,757.62	3/4	2,400.34	3/4	2,043.55	3/4	1,689.59	3/4	1,332.95	3/4	976.34	3/4	621.21
9	3,813.71	9	3,463.89	9	3,107.34	9	2,750.18	9	2,392.89	9	2,036.13	9	1,682.31	9	1,325.50	9	968.93	9	614.08
1/4	3,807.53	1/4	3,456.46	1/4	3,099.91	1/4	2,742.73	1/4	2,385.45	1/4	2,028.72	1/4	1,675.03	1/4	1,318.05	1/4	961.51	1/4	606.96
1/2	3,801.35	1/2	3,449.03	1/2	3,092.49	1/2	2,735.29	1/2	2,378.01	1/2	2,021.30	1/2	1,667.76	1/2	1,310.61	1/2	954.09	1/2	599.83
3/4	3,795.17	3/4	3,441.60	3/4	3,085.06	3/4	2,727.85	3/4	2,370.56	3/4	2,013.88	3/4	1,660.48	3/4	1,303.16	3/4	946.67	3/4	592.70
10	3,788.24	10	3,434.17	10	3,077.63	10	2,720.40	10	2,363.12	10	2,006.44	10	1,653.05	10	1,295.72	10	939.26	10	585.58
1/4	3,781.32	1/4	3,426.75	1/4	3,070.20	1/4	2,712.96	1/4	2,355.68	1/4	1,999.00	1/4	1,645.63	1/4	1,288.27	1/4	931.84	1/4	578.45
1/2	3,774.40	1/2	3,419.32	1/2	3,062.77	1/2	2,705.52	1/2	2,348.23	1/2	1,991.56	1/2	1,638.21	1/2	1,280.83	1/2	924.42	1/2	571.33
3/4	3,767.47	3/4	3,411.89	3/4	3,055.35	3/4	2,698.07	3/4	2,340.79	3/4	1,984.12	3/4	1,630.78	3/4	1,273.38	3/4	917.01	3/4	564.20
11	3,760.13	11	3,404.46	11	3,047.91	11	2,690.63	11	2,333.35	11	1,976.67	11	1,623.34	11	1,265.93	11	909.59	11	557.07
1/4	3,752.79	1/4	3,397.03	1/4	3,040.46	1/4	2,683.19	1/4	2,325.90	1/4	1,969.23	1/4	1,615.89	1/4	1,258.49	1/4	902.17	1/4	549.95
1/2	3,745.44	1/2	3,389.61	1/2	3,033.02	1/2	2,675.74	1/2	2,318.46	1/2	1,961.78	1/2	1,608.44	1/2	1,251.04	1/2	894.75	1/2	542.82
3/4	3,738.10	3/4	3,382.18	3/4	3,025.58	3/4	2,668.30	3/4	2,311.02	3/4	1,954.34	3/4	1,601.00	3/4	1,243.60	3/4	887.34	3/4	535.69

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO 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 709"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-05 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	528.57	0	173.09	0		0		0		0		0		0		0		0	
1/4	521.44	1/4	165.65	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	514.32	1/2	158.21	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	507.19	3/4	150.77	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	499.92	1	143.47	1		1		1		1		1		1		1		1	
1/4	492.66	1/4	136.17	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	485.39	1/2	128.86	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	478.13	3/4	121.56	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	470.70	2	114.42	2		2		2		2		2		2		2		2	
1/4	463.27	1/4	107.27	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	455.85	1/2	100.13	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	448.42	3/4	92.99	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	440.98	3	85.75	3		3		3		3		3		3		3		3	
1/4	433.53	1/4	78.51	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	426.09	1/2	71.28	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	418.64	3/4	64.04	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	411.20	4	57.43	4		4		4		4		4		4		4		4	
1/4	403.75	1/4	50.83	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	396.30	1/2	44.22	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	388.86	3/4	37.61	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	381.41	5	32.73	5		5		5		5		5		5		5		5	
1/4	373.97	1/4	27.84	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	366.52	1/2	22.96	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	359.08	3/4	18.07	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	351.63	6		6		6		6		6		6		6		6		6	
1/4	344.19	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	336.75	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	329.31	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	321.87	7		7		7		7		7		7		7		7		7	
1/4	314.43	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	306.99	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	299.55	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	292.11	8		8		8		8		8		8		8		8		8	
1/4	284.67	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	277.23	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	269.79	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	262.36	9		9		9		9		9		9		9		9		9	
1/4	254.92	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	247.48	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	240.04	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	232.60	10		10		10		10		10		10		10		10		10	
1/4	225.16	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	217.72	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	210.28	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	202.85	11		11		11		11		11		11		11		11		11	
1/4	195.41	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	187.97	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	180.53	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.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2015

PRECISION MEASUREMENT
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BARGE "MPC 709"

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	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 10" ULLAGE HATCH.

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CANCELS AND SUPERCEDES
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& ANALYSIS, INC.
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Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "MPC 709"

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.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2015

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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BARGE "MPC 709"

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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