



# BARGE "MPC 709"

## INNAGE 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	- 00-3/4	00-3/4	- 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	- 00-3/4	00-3/4	- 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 INNAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED INNAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 220'-09"

November 19, 2015

PRECISION MEASUREMENT  
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<http://www.pmacorp.net>



# BARGE "MPC 709"

# 1 PORT

## INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-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	16.89	0	231.67	0	518.10	0	869.07	0	1,231.42	0	1,594.62	0	1,958.07	0	2,321.77	0	2,685.46	0	3,048.83
1/4	18.84	1/4	237.19	1/4	524.95	1/4	876.58	1/4	1,239.00	1/4	1,602.16	1/4	1,965.65	1/4	2,329.34	1/4	2,693.03	1/4	3,056.40
1/2	20.80	1/2	242.70	1/2	531.81	1/2	884.10	1/2	1,246.57	1/2	1,609.71	1/2	1,973.23	1/2	2,336.92	1/2	2,700.61	1/2	3,063.96
3/4	22.75	3/4	248.22	3/4	538.66	3/4	891.62	3/4	1,254.15	3/4	1,617.25	3/4	1,980.81	3/4	2,344.50	3/4	2,708.19	3/4	3,071.52
1	24.71	1	253.73	1	545.51	1	899.13	1	1,261.73	1	1,624.80	1	1,988.38	1	2,352.07	1	2,715.76	1	3,079.08
1/4	28.14	1/4	259.36	1/4	552.47	1/4	906.65	1/4	1,269.31	1/4	1,632.35	1/4	1,995.96	1/4	2,359.65	1/4	2,723.34	1/4	3,086.64
1/2	31.57	1/2	264.98	1/2	559.44	1/2	914.17	1/2	1,276.88	1/2	1,639.90	1/2	2,003.54	1/2	2,367.23	1/2	2,730.92	1/2	3,094.20
3/4	35.01	3/4	270.61	3/4	566.40	3/4	921.69	3/4	1,284.46	3/4	1,647.45	3/4	2,011.11	3/4	2,374.80	3/4	2,738.50	3/4	3,101.77
2	38.44	2	276.23	2	573.36	2	929.21	2	1,292.04	2	1,655.00	2	2,018.69	2	2,382.38	2	2,746.07	2	3,109.33
1/4	42.63	1/4	281.97	1/4	580.44	1/4	936.73	1/4	1,299.62	1/4	1,662.58	1/4	2,026.27	1/4	2,389.96	1/4	2,753.65	1/4	3,116.89
1/2	46.82	1/2	287.71	1/2	587.52	1/2	944.25	1/2	1,307.19	1/2	1,670.15	1/2	2,033.84	1/2	2,397.53	1/2	2,761.23	1/2	3,124.45
3/4	51.01	3/4	293.44	3/4	594.59	3/4	951.77	3/4	1,314.77	3/4	1,677.73	3/4	2,041.42	3/4	2,405.11	3/4	2,768.80	3/4	3,132.01
3	55.20	3	299.18	3	601.67	3	959.29	3	1,322.35	3	1,685.31	3	2,049.00	3	2,412.69	3	2,776.38	3	3,139.57
1/4	59.41	1/4	305.01	1/4	608.85	1/4	966.81	1/4	1,329.93	1/4	1,692.88	1/4	2,056.57	1/4	2,420.27	1/4	2,783.96	1/4	3,147.14
1/2	63.61	1/2	310.84	1/2	616.04	1/2	974.34	1/2	1,337.50	1/2	1,700.46	1/2	2,064.15	1/2	2,427.84	1/2	2,791.53	1/2	3,154.70
3/4	67.82	3/4	316.67	3/4	623.23	3/4	981.86	3/4	1,345.08	3/4	1,708.04	3/4	2,071.73	3/4	2,435.42	3/4	2,799.11	3/4	3,162.26
4	72.03	4	322.49	4	630.41	4	989.39	4	1,352.66	4	1,715.61	4	2,079.30	4	2,443.00	4	2,806.69	4	3,169.82
1/4	76.51	1/4	328.28	1/4	637.71	1/4	996.92	1/4	1,360.24	1/4	1,723.19	1/4	2,086.88	1/4	2,450.57	1/4	2,814.26	1/4	3,177.38
1/2	80.99	1/2	334.06	1/2	645.00	1/2	1,004.44	1/2	1,367.81	1/2	1,730.77	1/2	2,094.46	1/2	2,458.15	1/2	2,821.84	1/2	3,184.94
3/4	85.47	3/4	339.84	3/4	652.29	3/4	1,011.97	3/4	1,375.39	3/4	1,738.34	3/4	2,102.04	3/4	2,465.73	3/4	2,829.42	3/4	3,192.50
5	89.95	5	345.62	5	659.58	5	1,019.50	5	1,382.97	5	1,745.92	5	2,109.61	5	2,473.30	5	2,836.99	5	3,200.07
1/4	94.68	1/4	351.37	1/4	666.93	1/4	1,027.04	1/4	1,390.55	1/4	1,753.50	1/4	2,117.19	1/4	2,480.88	1/4	2,844.57	1/4	3,207.63
1/2	99.40	1/2	357.12	1/2	674.27	1/2	1,034.59	1/2	1,398.12	1/2	1,761.08	1/2	2,124.77	1/2	2,488.46	1/2	2,852.15	1/2	3,215.19
3/4	104.13	3/4	362.87	3/4	681.62	3/4	1,042.13	3/4	1,405.70	3/4	1,768.65	3/4	2,132.34	3/4	2,496.03	3/4	2,859.73	3/4	3,222.75
6	108.85	6	368.63	6	688.97	6	1,049.68	6	1,413.28	6	1,776.23	6	2,139.92	6	2,503.61	6	2,867.30	6	3,230.31
1/4	113.69	1/4	374.49	1/4	696.42	1/4	1,057.22	1/4	1,420.86	1/4	1,783.81	1/4	2,147.50	1/4	2,511.19	1/4	2,874.88	1/4	3,237.87
1/2	118.53	1/2	380.35	1/2	703.88	1/2	1,064.77	1/2	1,428.43	1/2	1,791.38	1/2	2,155.07	1/2	2,518.77	1/2	2,882.45	1/2	3,245.44
3/4	123.37	3/4	386.22	3/4	711.33	3/4	1,072.32	3/4	1,436.01	3/4	1,798.96	3/4	2,162.65	3/4	2,526.34	3/4	2,890.03	3/4	3,253.00
7	128.21	7	392.08	7	718.78	7	1,079.87	7	1,443.59	7	1,806.54	7	2,170.23	7	2,533.92	7	2,897.60	7	3,260.56
1/4	133.16	1/4	398.06	1/4	726.29	1/4	1,087.45	1/4	1,451.16	1/4	1,814.11	1/4	2,177.80	1/4	2,541.50	1/4	2,905.16	1/4	3,268.12
1/2	138.11	1/2	404.03	1/2	733.80	1/2	1,095.02	1/2	1,458.74	1/2	1,821.69	1/2	2,185.38	1/2	2,549.07	1/2	2,912.73	1/2	3,275.68
3/4	143.06	3/4	410.01	3/4	741.31	3/4	1,102.60	3/4	1,466.31	3/4	1,829.27	3/4	2,192.96	3/4	2,556.65	3/4	2,920.29	3/4	3,283.24
8	148.00	8	415.98	8	748.82	8	1,110.18	8	1,473.89	8	1,836.84	8	2,200.54	8	2,564.23	8	2,927.85	8	3,290.81
1/4	153.07	1/4	422.07	1/4	756.34	1/4	1,117.76	1/4	1,481.43	1/4	1,844.42	1/4	2,208.11	1/4	2,571.80	1/4	2,935.41	1/4	3,298.37
1/2	158.13	1/2	428.16	1/2	763.85	1/2	1,125.33	1/2	1,488.98	1/2	1,852.00	1/2	2,215.69	1/2	2,579.38	1/2	2,942.97	1/2	3,305.93
3/4	163.19	3/4	434.25	3/4	771.37	3/4	1,132.91	3/4	1,496.52	3/4	1,859.57	3/4	2,223.27	3/4	2,586.96	3/4	2,950.53	3/4	3,313.49
9	168.25	9	440.33	9	778.88	9	1,140.49	9	1,504.07	9	1,867.15	9	2,230.84	9	2,594.53	9	2,958.10	9	3,321.05
1/4	173.42	1/4	446.55	1/4	786.40	1/4	1,148.07	1/4	1,511.62	1/4	1,874.73	1/4	2,238.42	1/4	2,602.11	1/4	2,965.66	1/4	3,328.61
1/2	178.59	1/2	452.77	1/2	793.91	1/2	1,155.64	1/2	1,519.16	1/2	1,882.31	1/2	2,246.00	1/2	2,609.69	1/2	2,973.22	1/2	3,336.18
3/4	183.77	3/4	458.99	3/4	801.43	3/4	1,163.22	3/4	1,526.71	3/4	1,889.88	3/4	2,253.57	3/4	2,617.26	3/4	2,980.78	3/4	3,343.74
10	188.94	10	465.20	10	808.94	10	1,170.80	10	1,534.25	10	1,897.46	10	2,261.15	10	2,624.84	10	2,988.34	10	3,351.30
1/4	194.22	1/4	471.69	1/4	816.46	1/4	1,178.38	1/4	1,541.80	1/4	1,905.04	1/4	2,268.73	1/4	2,632.42	1/4	2,995.90	1/4	3,358.86
1/2	199.51	1/2	478.18	1/2	823.98	1/2	1,185.95	1/2	1,549.34	1/2	1,912.61	1/2	2,276.30	1/2	2,640.00	1/2	3,003.46	1/2	3,366.42
3/4	204.79	3/4	484.66	3/4	831.49	3/4	1,193.53	3/4	1,556.89	3/4	1,920.19	3/4	2,283.88	3/4	2,647.57	3/4	3,011.03	3/4	3,373.98
11	210.08	11	491.15	11	839.01	11	1,201.11	11	1,564.43	11	1,927.77	11	2,291.46	11	2,655.15	11	3,018.59	11	3,381.54
1/4	215.48	1/4	497.89	1/4	846.52	1/4	1,208.69	1/4	1,571.98	1/4	1,935.34	1/4	2,299.04	1/4	2,662.73	1/4	3,026.15	1/4	3,389.11
1/2	220.88	1/2	504.62	1/2	854.04	1/2	1,216.26	1/2	1,579.53	1/2	1,942.92	1/2	2,306.61	1/2	2,670.30	1/2	3,033.71	1/2	3,396.67
3/4	226.28	3/4	511.36	3/4	861.55	3/4	1,223.84	3/4	1,587.07	3/4	1,950.50	3/4	2,314.19	3/4	2,677.88	3/4	3,041.27	3/4	3,404.23

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 INNAGE 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 INNAGE 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	3,411.79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	3,419.35	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,426.91	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,434.48	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	3,442.04	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4	3,449.59	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,457.15	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,464.70	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	3,472.26	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1/4	3,479.78	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,487.31	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,494.83	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3,502.36	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1/4	3,509.88	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,517.40	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,524.93	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	3,532.45	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1/4	3,539.97	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,547.50	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,555.02	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	3,562.55	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1/4	3,570.07	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,577.59	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,585.12	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	3,592.64	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1/4	3,600.12	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,607.59	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,615.07	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	3,622.55	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
1/4	3,629.60	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,636.65	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,643.70	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	3,650.75	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1/4	3,657.04	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,663.33	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,669.63	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	3,675.92	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1/4	3,681.45	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,686.99	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,692.52	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	3,698.06	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4	3,702.83	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,707.61	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,712.39	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	3,717.16	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4	3,721.18	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,725.20	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	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 INNAGE 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	16.89	0	231.79	0	518.35	0	870.44	0	1,233.88	0	1,597.25	0	1,960.89	0	2,324.75	0	2,688.62	0	3,052.16
1/4	18.85	1/4	237.30	1/4	525.20	1/4	877.99	1/4	1,241.46	1/4	1,604.80	1/4	1,968.47	1/4	2,332.33	1/4	2,696.20	1/4	3,059.73
1/2	20.81	1/2	242.82	1/2	532.06	1/2	885.54	1/2	1,249.04	1/2	1,612.35	1/2	1,976.05	1/2	2,339.92	1/2	2,703.78	1/2	3,067.29
3/4	22.76	3/4	248.34	3/4	538.92	3/4	893.10	3/4	1,256.63	3/4	1,619.90	3/4	1,983.63	3/4	2,347.50	3/4	2,711.36	3/4	3,074.86
1	24.72	1	253.85	1	545.77	1	900.65	1	1,264.21	1	1,627.45	1	1,991.21	1	2,355.08	1	2,718.95	1	3,082.42
1/4	28.15	1/4	259.48	1/4	552.74	1/4	908.20	1/4	1,271.79	1/4	1,635.00	1/4	1,998.79	1/4	2,362.66	1/4	2,726.53	1/4	3,089.99
1/2	31.59	1/2	265.11	1/2	559.71	1/2	915.76	1/2	1,279.37	1/2	1,642.56	1/2	2,006.37	1/2	2,370.24	1/2	2,734.11	1/2	3,097.55
3/4	35.02	3/4	270.74	3/4	566.67	3/4	923.32	3/4	1,286.95	3/4	1,650.11	3/4	2,013.95	3/4	2,377.82	3/4	2,741.69	3/4	3,105.12
2	38.46	2	276.36	2	573.64	2	930.87	2	1,294.53	2	1,657.66	2	2,021.53	2	2,385.40	2	2,749.27	2	3,112.69
1/4	42.65	1/4	282.10	1/4	580.72	1/4	938.43	1/4	1,302.11	1/4	1,665.24	1/4	2,029.11	1/4	2,392.98	1/4	2,756.85	1/4	3,120.25
1/2	46.84	1/2	287.84	1/2	587.80	1/2	945.99	1/2	1,309.69	1/2	1,672.82	1/2	2,036.69	1/2	2,400.56	1/2	2,764.43	1/2	3,127.82
3/4	51.03	3/4	293.58	3/4	594.88	3/4	953.54	3/4	1,317.27	3/4	1,680.40	3/4	2,044.27	3/4	2,408.14	3/4	2,772.01	3/4	3,135.38
3	55.23	3	299.32	3	601.95	3	961.10	3	1,324.86	3	1,687.98	3	2,051.85	3	2,415.72	3	2,779.59	3	3,142.95
1/4	59.44	1/4	305.15	1/4	609.14	1/4	968.66	1/4	1,332.44	1/4	1,695.56	1/4	2,059.43	1/4	2,423.30	1/4	2,787.17	1/4	3,150.51
1/2	63.65	1/2	310.99	1/2	616.34	1/2	976.23	1/2	1,340.02	1/2	1,703.14	1/2	2,067.01	1/2	2,430.88	1/2	2,794.75	1/2	3,158.08
3/4	67.85	3/4	316.82	3/4	623.53	3/4	983.79	3/4	1,347.60	3/4	1,710.73	3/4	2,074.59	3/4	2,438.46	3/4	2,802.33	3/4	3,165.64
4	72.06	4	322.65	4	630.72	4	991.35	4	1,355.18	4	1,718.31	4	2,082.17	4	2,446.04	4	2,809.91	4	3,173.21
1/4	76.55	1/4	328.43	1/4	638.01	1/4	998.91	1/4	1,362.76	1/4	1,725.89	1/4	2,089.76	1/4	2,453.62	1/4	2,817.49	1/4	3,180.77
1/2	81.03	1/2	334.22	1/2	645.31	1/2	1,006.48	1/2	1,370.34	1/2	1,733.47	1/2	2,097.34	1/2	2,461.20	1/2	2,825.07	1/2	3,188.34
3/4	85.51	3/4	340.00	3/4	652.61	3/4	1,014.04	3/4	1,377.92	3/4	1,741.05	3/4	2,104.92	3/4	2,468.79	3/4	2,832.65	3/4	3,195.90
5	89.99	5	345.78	5	659.91	5	1,021.61	5	1,385.51	5	1,748.63	5	2,112.50	5	2,476.37	5	2,840.23	5	3,203.47
1/4	94.72	1/4	351.54	1/4	667.29	1/4	1,029.19	1/4	1,393.09	1/4	1,756.21	1/4	2,120.08	1/4	2,483.95	1/4	2,847.82	1/4	3,211.03
1/2	99.45	1/2	357.29	1/2	674.68	1/2	1,036.77	1/2	1,400.67	1/2	1,763.79	1/2	2,127.66	1/2	2,491.53	1/2	2,855.40	1/2	3,218.60
3/4	104.18	3/4	363.05	3/4	682.06	3/4	1,044.35	3/4	1,408.25	3/4	1,771.37	3/4	2,135.24	3/4	2,499.11	3/4	2,862.98	3/4	3,226.16
6	108.91	6	368.80	6	689.45	6	1,051.93	6	1,415.83	6	1,778.95	6	2,142.82	6	2,506.69	6	2,870.56	6	3,233.73
1/4	113.75	1/4	374.67	1/4	696.94	1/4	1,059.51	1/4	1,423.41	1/4	1,786.53	1/4	2,150.40	1/4	2,514.27	1/4	2,878.13	1/4	3,241.29
1/2	118.59	1/2	380.54	1/2	704.43	1/2	1,067.10	1/2	1,430.99	1/2	1,794.11	1/2	2,157.98	1/2	2,521.85	1/2	2,885.71	1/2	3,248.86
3/4	123.43	3/4	386.40	3/4	711.92	3/4	1,074.68	3/4	1,438.57	3/4	1,801.69	3/4	2,165.56	3/4	2,529.43	3/4	2,893.28	3/4	3,256.42
7	128.27	7	392.27	7	719.41	7	1,082.26	7	1,446.16	7	1,809.27	7	2,173.14	7	2,537.01	7	2,900.86	7	3,263.99
1/4	133.22	1/4	398.25	1/4	726.96	1/4	1,089.84	1/4	1,453.73	1/4	1,816.85	1/4	2,180.72	1/4	2,544.59	1/4	2,908.42	1/4	3,271.55
1/2	138.17	1/2	404.23	1/2	734.50	1/2	1,097.42	1/2	1,461.31	1/2	1,824.43	1/2	2,188.30	1/2	2,552.17	1/2	2,915.99	1/2	3,279.12
3/4	143.12	3/4	410.20	3/4	742.05	3/4	1,105.00	3/4	1,468.89	3/4	1,832.02	3/4	2,195.88	3/4	2,559.75	3/4	2,923.56	3/4	3,286.68
8	148.08	8	416.18	8	749.60	8	1,112.58	8	1,476.46	8	1,839.60	8	2,203.46	8	2,567.33	8	2,931.12	8	3,294.25
1/4	153.14	1/4	422.27	1/4	757.15	1/4	1,120.16	1/4	1,484.01	1/4	1,847.18	1/4	2,211.05	1/4	2,574.91	1/4	2,938.69	1/4	3,301.82
1/2	158.20	1/2	428.36	1/2	764.70	1/2	1,127.74	1/2	1,491.56	1/2	1,854.76	1/2	2,218.63	1/2	2,582.49	1/2	2,946.25	1/2	3,309.38
3/4	163.27	3/4	434.45	3/4	772.25	3/4	1,135.33	3/4	1,499.11	3/4	1,862.34	3/4	2,226.21	3/4	2,590.08	3/4	2,953.82	3/4	3,316.95
9	168.33	9	440.54	9	779.81	9	1,142.91	9	1,506.66	9	1,869.92	9	2,233.79	9	2,597.66	9	2,961.38	9	3,324.51
1/4	173.50	1/4	446.76	1/4	787.36	1/4	1,150.49	1/4	1,514.21	1/4	1,877.50	1/4	2,241.37	1/4	2,605.24	1/4	2,968.95	1/4	3,332.08
1/2	178.68	1/2	452.98	1/2	794.91	1/2	1,158.07	1/2	1,521.76	1/2	1,885.08	1/2	2,248.95	1/2	2,612.82	1/2	2,976.51	1/2	3,339.64
3/4	183.85	3/4	459.21	3/4	802.46	3/4	1,165.65	3/4	1,529.31	3/4	1,892.66	3/4	2,256.53	3/4	2,620.40	3/4	2,984.08	3/4	3,347.21
10	189.03	10	465.43	10	810.02	10	1,173.23	10	1,536.86	10	1,900.24	10	2,264.11	10	2,627.98	10	2,991.64	10	3,354.77
1/4	194.32	1/4	471.92	1/4	817.57	1/4	1,180.81	1/4	1,544.41	1/4	1,907.82	1/4	2,271.69	1/4	2,635.56	1/4	2,999.21	1/4	3,362.34
1/2	199.60	1/2	478.41	1/2	825.12	1/2	1,188.39	1/2	1,551.96	1/2	1,915.40	1/2	2,279.27	1/2	2,643.14	1/2	3,006.77	1/2	3,369.90
3/4	204.89	3/4	484.90	3/4	832.67	3/4	1,195.98	3/4	1,559.51	3/4	1,922.98	3/4	2,286.85	3/4	2,650.72	3/4	3,014.34	3/4	3,377.47
11	210.18	11	491.38	11	840.23	11	1,203.56	11	1,567.06	11	1,930.56	11	2,294.43	11	2,658.30	11	3,021.90	11	3,385.03
1/4	215.58	1/4	498.13	1/4	847.78	1/4	1,211.14	1/4	1,574.61	1/4	1,938.14	1/4	2,302.01	1/4	2,665.88	1/4	3,029.47	1/4	3,392.60
1/2	220.98	1/2	504.87	1/2	855.33	1/2	1,218.72	1/2	1,582.15	1/2	1,945.72	1/2	2,309.59	1/2	2,673.46	1/2	3,037.03	1/2	3,400.16
3/4	226.38	3/4	511.61	3/4	862.88	3/4	1,226.30	3/4	1,589.70	3/4	1,953.30	3/4	2,317.17	3/4	2,681.04	3/4	3,044.60	3/4	3,407.73

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 INNAGE 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 709"

**1 STBD  
INNAGE 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	3,415.29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	3,422.86	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,430.42	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,437.99	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	3,445.55	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4	3,453.11	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,460.67	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,468.23	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	3,475.79	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1/4	3,483.32	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,490.85	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,498.38	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3,505.90	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1/4	3,513.43	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,520.96	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,528.48	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	3,536.01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1/4	3,543.54	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,551.07	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,558.59	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	3,566.12	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1/4	3,573.65	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,581.18	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,588.70	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	3,596.23	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1/4	3,603.71	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,611.19	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,618.67	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	3,626.15	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
1/4	3,633.21	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,640.26	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,647.31	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	3,654.37	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1/4	3,660.66	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,666.96	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,673.25	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	3,679.55	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1/4	3,685.08	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,690.62	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,696.16	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	3,701.70	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4	3,706.48	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,711.25	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,716.03	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	3,720.81	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4	3,724.83	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,728.85	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	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 PORT INNAGE 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	18.19	0	361.48	0	713.54	0	1,062.99	0	1,413.14	0	1,770.16	0	2,128.65	0	2,488.40	0	2,848.14	0	3,207.58
1/4	23.11	1/4	368.97	1/4	721.04	1/4	1,070.12	1/4	1,420.64	1/4	1,777.49	1/4	2,136.15	1/4	2,495.89	1/4	2,855.63	1/4	3,215.06
1/2	28.02	1/2	376.47	1/2	728.53	1/2	1,077.26	1/2	1,428.13	1/2	1,784.82	1/2	2,143.64	1/2	2,503.38	1/2	2,863.13	1/2	3,222.54
3/4	32.94	3/4	383.96	3/4	736.03	3/4	1,084.39	3/4	1,435.63	3/4	1,792.15	3/4	2,151.14	3/4	2,510.88	3/4	2,870.62	3/4	3,230.02
1	37.86	1	391.46	1	743.52	1	1,091.52	1	1,443.12	1	1,799.47	1	2,158.63	1	2,518.37	1	2,878.11	1	3,237.50
1/4	44.51	1/4	398.95	1/4	751.02	1/4	1,098.66	1/4	1,450.62	1/4	1,806.82	1/4	2,166.13	1/4	2,525.87	1/4	2,885.61	1/4	3,244.98
1/2	51.16	1/2	406.45	1/2	758.51	1/2	1,105.80	1/2	1,458.11	1/2	1,814.17	1/2	2,173.62	1/2	2,533.36	1/2	2,893.10	1/2	3,252.46
3/4	57.81	3/4	413.94	3/4	766.01	3/4	1,112.93	3/4	1,465.61	3/4	1,821.52	3/4	2,181.12	3/4	2,540.86	3/4	2,900.60	3/4	3,259.93
2	64.46	2	421.44	2	773.50	2	1,120.07	2	1,473.10	2	1,828.87	2	2,188.61	2	2,548.35	2	2,908.09	2	3,267.41
1/4	71.75	1/4	428.93	1/4	781.00	1/4	1,127.21	1/4	1,480.60	1/4	1,836.37	1/4	2,196.11	1/4	2,555.85	1/4	2,915.59	1/4	3,274.89
1/2	79.04	1/2	436.43	1/2	788.49	1/2	1,134.34	1/2	1,488.09	1/2	1,843.86	1/2	2,203.60	1/2	2,563.34	1/2	2,923.08	1/2	3,282.37
3/4	86.32	3/4	443.92	3/4	795.99	3/4	1,141.48	3/4	1,495.59	3/4	1,851.35	3/4	2,211.10	3/4	2,570.84	3/4	2,930.58	3/4	3,289.85
3	93.61	3	451.42	3	803.48	3	1,148.62	3	1,503.08	3	1,858.85	3	2,218.59	3	2,578.33	3	2,938.07	3	3,297.33
1/4	100.80	1/4	458.89	1/4	810.98	1/4	1,155.76	1/4	1,510.58	1/4	1,866.34	1/4	2,226.08	1/4	2,585.83	1/4	2,945.57	1/4	3,304.81
1/2	107.99	1/2	466.37	1/2	818.47	1/2	1,162.91	1/2	1,518.07	1/2	1,873.84	1/2	2,233.58	1/2	2,593.32	1/2	2,953.06	1/2	3,312.29
3/4	115.18	3/4	473.84	3/4	825.97	3/4	1,170.05	3/4	1,525.57	3/4	1,881.33	3/4	2,241.07	3/4	2,600.81	3/4	2,960.56	3/4	3,319.77
4	122.38	4	481.32	4	833.46	4	1,177.19	4	1,533.06	4	1,888.83	4	2,248.57	4	2,608.31	4	2,968.05	4	3,327.25
1/4	129.73	1/4	488.63	1/4	840.91	1/4	1,184.34	1/4	1,540.56	1/4	1,896.32	1/4	2,256.06	1/4	2,615.80	1/4	2,975.54	1/4	3,334.73
1/2	137.08	1/2	496.95	1/2	848.36	1/2	1,191.48	1/2	1,548.06	1/2	1,903.82	1/2	2,263.56	1/2	2,623.30	1/2	2,983.04	1/2	3,342.21
3/4	144.44	3/4	503.26	3/4	855.81	3/4	1,198.63	3/4	1,555.55	3/4	1,911.31	3/4	2,271.05	3/4	2,630.79	3/4	2,990.53	3/4	3,349.69
5	151.79	5	510.58	5	863.26	5	1,205.77	5	1,563.05	5	1,918.81	5	2,278.55	5	2,638.29	5	2,998.03	5	3,357.17
1/4	159.28	1/4	517.76	1/4	870.39	1/4	1,212.93	1/4	1,570.54	1/4	1,926.30	1/4	2,286.04	1/4	2,645.78	1/4	3,005.52	1/4	3,364.64
1/2	166.76	1/2	524.93	1/2	877.53	1/2	1,220.10	1/2	1,578.04	1/2	1,933.79	1/2	2,293.54	1/2	2,653.28	1/2	3,013.02	1/2	3,372.12
3/4	174.25	3/4	532.11	3/4	884.66	3/4	1,227.26	3/4	1,585.53	3/4	1,941.29	3/4	2,301.03	3/4	2,660.77	3/4	3,020.51	3/4	3,379.60
6	181.74	6	539.28	6	891.79	6	1,234.42	6	1,593.03	6	1,948.78	6	2,308.52	6	2,668.27	6	3,028.01	6	3,387.08
1/4	189.23	1/4	546.46	1/4	898.93	1/4	1,241.62	1/4	1,600.52	1/4	1,956.28	1/4	2,316.02	1/4	2,675.76	1/4	3,035.50	1/4	3,394.56
1/2	196.72	1/2	553.63	1/2	906.06	1/2	1,248.83	1/2	1,608.02	1/2	1,963.77	1/2	2,323.51	1/2	2,683.25	1/2	3,043.00	1/2	3,402.04
3/4	204.21	3/4	560.81	3/4	913.19	3/4	1,256.03	3/4	1,615.51	3/4	1,971.27	3/4	2,331.01	3/4	2,690.75	3/4	3,050.50	3/4	3,409.52
7	211.69	7	567.98	7	920.33	7	1,263.23	7	1,623.01	7	1,978.76	7	2,338.50	7	2,698.24	7	3,057.99	7	3,417.00
1/4	219.18	1/4	575.16	1/4	927.46	1/4	1,270.73	1/4	1,630.48	1/4	1,986.26	1/4	2,346.00	1/4	2,705.74	1/4	3,065.47	1/4	3,424.48
1/2	226.67	1/2	582.33	1/2	934.59	1/2	1,278.22	1/2	1,637.96	1/2	1,993.75	1/2	2,353.49	1/2	2,713.23	1/2	3,072.95	1/2	3,431.96
3/4	234.16	3/4	589.51	3/4	941.73	3/4	1,285.72	3/4	1,645.43	3/4	2,001.25	3/4	2,360.99	3/4	2,720.73	3/4	3,080.43	3/4	3,439.44
8	241.65	8	596.68	8	948.86	8	1,293.22	8	1,652.91	8	2,008.74	8	2,368.48	8	2,728.22	8	3,087.91	8	3,446.92
1/4	249.14	1/4	603.86	1/4	955.99	1/4	1,300.71	1/4	1,660.24	1/4	2,016.24	1/4	2,375.98	1/4	2,735.72	1/4	3,095.39	1/4	3,454.40
1/2	256.62	1/2	611.04	1/2	963.13	1/2	1,308.21	1/2	1,667.57	1/2	2,023.73	1/2	2,383.47	1/2	2,743.21	1/2	3,102.87	1/2	3,461.88
3/4	264.11	3/4	618.21	3/4	970.26	3/4	1,315.70	3/4	1,674.89	3/4	2,031.22	3/4	2,390.97	3/4	2,750.71	3/4	3,110.35	3/4	3,469.35
9	271.60	9	625.39	9	977.39	9	1,323.20	9	1,682.22	9	2,038.72	9	2,398.46	9	2,758.20	9	3,117.83	9	3,476.83
1/4	279.09	1/4	632.58	1/4	984.52	1/4	1,330.69	1/4	1,689.55	1/4	2,046.21	1/4	2,405.95	1/4	2,765.70	1/4	3,125.31	1/4	3,484.31
1/2	286.58	1/2	639.78	1/2	991.66	1/2	1,338.19	1/2	1,696.88	1/2	2,053.71	1/2	2,413.45	1/2	2,773.19	1/2	3,132.79	1/2	3,491.79
3/4	294.06	3/4	646.97	3/4	998.79	3/4	1,345.68	3/4	1,704.21	3/4	2,061.20	3/4	2,420.94	3/4	2,780.68	3/4	3,140.27	3/4	3,499.27
10	301.55	10	654.17	10	1,005.92	10	1,353.18	10	1,711.54	10	2,068.70	10	2,428.44	10	2,788.18	10	3,147.74	10	3,506.75
1/4	309.04	1/4	661.52	1/4	1,013.06	1/4	1,360.67	1/4	1,718.86	1/4	2,076.19	1/4	2,435.93	1/4	2,795.67	1/4	3,155.22	1/4	3,514.23
1/2	316.53	1/2	668.87	1/2	1,020.19	1/2	1,368.17	1/2	1,726.19	1/2	2,083.69	1/2	2,443.43	1/2	2,803.17	1/2	3,162.70	1/2	3,521.71
3/4	324.02	3/4	676.22	3/4	1,027.32	3/4	1,375.66	3/4	1,733.52	3/4	2,091.18	3/4	2,450.92	3/4	2,810.66	3/4	3,170.18	3/4	3,529.19
11	331.51	11	683.57	11	1,034.46	11	1,383.16	11	1,740.85	11	2,098.68	11	2,458.42	11	2,818.16	11	3,177.66	11	3,536.67
1/4	339.00	1/4	691.06	1/4	1,041.59	1/4	1,390.65	1/4	1,748.18	1/4	2,106.17	1/4	2,465.91	1/4	2,825.65	1/4	3,185.14	1/4	3,544.15
1/2	346.49	1/2	698.56	1/2	1,048.72	1/2	1,398.15	1/2	1,755.50	1/2	2,113.67	1/2	2,473.41	1/2	2,833.15	1/2	3,192.62	1/2	3,551.63
3/4	353.99	3/4	706.05	3/4	1,055.86	3/4	1,405.64	3/4	1,762.83	3/4	2,121.16	3/4	2,480.90	3/4	2,840.64	3/4	3,200.10	3/4	3,559.11

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO UNDERSIDE OF DECK AT GAUGE POINT.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE 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 INNAGE 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	3,566.59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	3,574.07	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,581.54	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,589.02	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	3,596.50	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4	3,603.98	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,611.45	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,618.93	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	3,626.40	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1/4	3,633.84	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,641.28	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,648.73	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3,656.17	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1/4	3,663.61	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,671.05	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,678.49	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	3,685.93	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1/4	3,693.38	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,700.82	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,708.26	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	3,715.70	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1/4	3,723.14	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,730.58	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,738.02	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	3,745.47	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1/4	3,752.86	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,760.26	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,767.65	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	3,775.04	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
1/4	3,782.02	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,788.99	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,795.96	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	3,802.94	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1/4	3,809.16	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,815.38	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,821.61	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	3,827.83	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1/4	3,833.30	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,838.78	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,844.25	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	3,849.73	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4	3,854.45	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,859.17	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,863.90	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	3,868.62	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4	3,872.60	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,876.57	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	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

### INNAGE 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	18.15	0	360.75	0	712.10	0	1,070.32	0	1,428.92	0	1,785.22	0	2,143.00	0	2,502.02	0	2,861.04	0	3,219.74
1/4	23.06	1/4	368.23	1/4	719.58	1/4	1,077.77	1/4	1,436.40	1/4	1,792.53	1/4	2,150.48	1/4	2,509.50	1/4	2,868.52	1/4	3,227.21
1/2	27.97	1/2	375.71	1/2	727.06	1/2	1,085.23	1/2	1,443.88	1/2	1,799.85	1/2	2,157.95	1/2	2,516.98	1/2	2,876.00	1/2	3,234.67
3/4	32.88	3/4	383.19	3/4	734.54	3/4	1,092.68	3/4	1,451.37	3/4	1,807.16	3/4	2,165.43	3/4	2,524.46	3/4	2,883.48	3/4	3,242.13
1	37.79	1	390.67	1	742.02	1	1,100.13	1	1,458.85	1	1,814.47	1	2,172.91	1	2,531.93	1	2,890.96	1	3,249.60
1/4	44.42	1/4	398.15	1/4	749.50	1/4	1,107.59	1/4	1,466.33	1/4	1,821.81	1/4	2,180.39	1/4	2,539.41	1/4	2,898.44	1/4	3,257.06
1/2	51.06	1/2	405.63	1/2	756.98	1/2	1,115.04	1/2	1,473.81	1/2	1,829.14	1/2	2,187.87	1/2	2,546.89	1/2	2,905.91	1/2	3,264.53
3/4	57.70	3/4	413.11	3/4	764.46	3/4	1,122.50	3/4	1,481.29	3/4	1,836.48	3/4	2,195.35	3/4	2,554.37	3/4	2,913.39	3/4	3,271.99
2	64.33	2	420.59	2	771.94	2	1,129.95	2	1,488.77	2	1,843.81	2	2,202.83	2	2,561.85	2	2,920.87	2	3,279.46
1/4	71.61	1/4	428.07	1/4	779.42	1/4	1,137.41	1/4	1,496.25	1/4	1,851.29	1/4	2,210.31	1/4	2,569.33	1/4	2,928.35	1/4	3,286.92
1/2	78.88	1/2	435.55	1/2	786.90	1/2	1,144.86	1/2	1,503.73	1/2	1,858.77	1/2	2,217.79	1/2	2,576.81	1/2	2,935.83	1/2	3,294.38
3/4	86.15	3/4	443.03	3/4	794.38	3/4	1,152.32	3/4	1,511.21	3/4	1,866.25	3/4	2,225.27	3/4	2,584.29	3/4	2,943.31	3/4	3,301.85
3	93.42	3	450.51	3	801.86	3	1,159.78	3	1,518.69	3	1,873.73	3	2,232.75	3	2,591.77	3	2,950.79	3	3,309.31
1/4	100.60	1/4	457.97	1/4	809.34	1/4	1,167.24	1/4	1,526.17	1/4	1,881.21	1/4	2,240.23	1/4	2,599.25	1/4	2,958.27	1/4	3,316.78
1/2	107.77	1/2	465.43	1/2	816.82	1/2	1,174.70	1/2	1,533.65	1/2	1,888.69	1/2	2,247.71	1/2	2,606.73	1/2	2,965.75	1/2	3,324.24
3/4	114.95	3/4	472.89	3/4	824.30	3/4	1,182.16	3/4	1,541.13	3/4	1,896.17	3/4	2,255.19	3/4	2,614.21	3/4	2,973.23	3/4	3,331.71
4	122.13	4	480.35	4	831.78	4	1,189.62	4	1,548.61	4	1,903.65	4	2,262.67	4	2,621.69	4	2,980.71	4	3,339.17
1/4	129.47	1/4	487.65	1/4	839.25	1/4	1,197.08	1/4	1,556.09	1/4	1,911.13	1/4	2,270.15	1/4	2,629.17	1/4	2,988.19	1/4	3,346.63
1/2	136.80	1/2	494.95	1/2	846.73	1/2	1,204.55	1/2	1,563.57	1/2	1,918.61	1/2	2,277.63	1/2	2,636.65	1/2	2,995.67	1/2	3,354.10
3/4	144.14	3/4	502.25	3/4	854.20	3/4	1,212.01	3/4	1,571.05	3/4	1,926.09	3/4	2,285.11	3/4	2,644.13	3/4	3,003.15	3/4	3,361.56
5	151.48	5	509.55	5	861.68	5	1,219.48	5	1,578.53	5	1,933.57	5	2,292.59	5	2,651.61	5	3,010.63	5	3,369.03
1/4	158.95	1/4	516.71	1/4	869.13	1/4	1,226.96	1/4	1,586.01	1/4	1,941.05	1/4	2,300.07	1/4	2,659.09	1/4	3,018.11	1/4	3,376.49
1/2	166.43	1/2	523.87	1/2	876.58	1/2	1,234.44	1/2	1,593.49	1/2	1,948.53	1/2	2,307.55	1/2	2,666.57	1/2	3,025.59	1/2	3,383.95
3/4	173.90	3/4	531.03	3/4	884.03	3/4	1,241.92	3/4	1,600.97	3/4	1,956.01	3/4	2,315.03	3/4	2,674.05	3/4	3,033.07	3/4	3,391.42
6	181.37	6	538.19	6	891.49	6	1,249.40	6	1,608.45	6	1,963.49	6	2,322.51	6	2,681.53	6	3,040.55	6	3,398.88
1/4	188.85	1/4	545.35	1/4	898.94	1/4	1,256.88	1/4	1,615.93	1/4	1,970.96	1/4	2,329.99	1/4	2,689.01	1/4	3,048.03	1/4	3,406.35
1/2	196.32	1/2	552.51	1/2	906.39	1/2	1,264.36	1/2	1,623.41	1/2	1,978.44	1/2	2,337.47	1/2	2,696.49	1/2	3,055.50	1/2	3,413.81
3/4	203.79	3/4	559.67	3/4	913.84	3/4	1,271.84	3/4	1,630.89	3/4	1,985.92	3/4	2,344.94	3/4	2,703.97	3/4	3,062.98	3/4	3,421.28
7	211.27	7	566.83	7	921.29	7	1,279.32	7	1,638.37	7	1,993.40	7	2,352.42	7	2,711.45	7	3,070.46	7	3,428.74
1/4	218.74	1/4	573.99	1/4	928.74	1/4	1,286.80	1/4	1,645.83	1/4	2,000.88	1/4	2,359.90	1/4	2,718.92	1/4	3,077.92	1/4	3,436.20
1/2	226.21	1/2	581.16	1/2	936.20	1/2	1,294.28	1/2	1,653.29	1/2	2,008.36	1/2	2,367.38	1/2	2,726.40	1/2	3,085.39	1/2	3,443.67
3/4	233.69	3/4	588.32	3/4	943.65	3/4	1,301.76	3/4	1,660.75	3/4	2,015.84	3/4	2,374.86	3/4	2,733.88	3/4	3,092.85	3/4	3,451.13
8	241.16	8	595.48	8	951.10	8	1,309.24	8	1,668.21	8	2,023.32	8	2,382.34	8	2,741.36	8	3,100.32	8	3,458.60
1/4	248.63	1/4	602.64	1/4	958.55	1/4	1,316.72	1/4	1,675.52	1/4	2,030.80	1/4	2,389.82	1/4	2,748.84	1/4	3,107.78	1/4	3,466.06
1/2	256.11	1/2	609.80	1/2	966.00	1/2	1,324.20	1/2	1,682.84	1/2	2,038.28	1/2	2,397.30	1/2	2,756.32	1/2	3,115.24	1/2	3,473.53
3/4	263.58	3/4	616.96	3/4	973.45	3/4	1,331.68	3/4	1,690.15	3/4	2,045.76	3/4	2,404.78	3/4	2,763.80	3/4	3,122.71	3/4	3,480.99
9	271.05	9	624.12	9	980.90	9	1,339.16	9	1,697.46	9	2,053.24	9	2,412.26	9	2,771.28	9	3,130.17	9	3,488.45
1/4	278.53	1/4	631.30	1/4	988.36	1/4	1,346.64	1/4	1,704.78	1/4	2,060.72	1/4	2,419.74	1/4	2,778.76	1/4	3,137.64	1/4	3,495.92
1/2	286.00	1/2	638.48	1/2	995.81	1/2	1,354.12	1/2	1,712.09	1/2	2,068.20	1/2	2,427.22	1/2	2,786.24	1/2	3,145.10	1/2	3,503.38
3/4	293.47	3/4	645.66	3/4	1,003.26	3/4	1,361.60	3/4	1,719.40	3/4	2,075.68	3/4	2,434.70	3/4	2,793.72	3/4	3,152.56	3/4	3,510.85
10	300.95	10	652.84	10	1,010.71	10	1,369.08	10	1,726.72	10	2,083.16	10	2,442.18	10	2,801.20	10	3,160.03	10	3,518.31
1/4	308.42	1/4	660.18	1/4	1,018.16	1/4	1,376.56	1/4	1,734.03	1/4	2,090.64	1/4	2,449.66	1/4	2,808.68	1/4	3,167.49	1/4	3,525.77
1/2	315.89	1/2	667.51	1/2	1,025.61	1/2	1,384.04	1/2	1,741.34	1/2	2,098.12	1/2	2,457.14	1/2	2,816.16	1/2	3,174.96	1/2	3,533.24
3/4	323.37	3/4	674.85	3/4	1,033.06	3/4	1,391.52	3/4	1,748.65	3/4	2,105.60	3/4	2,464.62	3/4	2,823.64	3/4	3,182.42	3/4	3,540.70
11	330.84	11	682.19	11	1,040.52	11	1,399.00	11	1,755.97	11	2,113.08	11	2,472.10	11	2,831.12	11	3,189.89	11	3,548.17
1/4	338.32	1/4	689.66	1/4	1,047.97	1/4	1,406.48	1/4	1,763.28	1/4	2,120.56	1/4	2,479.58	1/4	2,838.60	1/4	3,197.35	1/4	3,555.63
1/2	345.79	1/2	697.14	1/2	1,055.42	1/2	1,413.96	1/2	1,770.59	1/2	2,128.04	1/2	2,487.06	1/2	2,846.08	1/2	3,204.81	1/2	3,563.10
3/4	353.27	3/4	704.62	3/4	1,062.87	3/4	1,421.44	3/4	1,777.91	3/4	2,135.52	3/4	2,494.54	3/4	2,853.56	3/4	3,212.28	3/4	3,570.56

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 INNAGE 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 INNAGE 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	3,578.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	3,585.49	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,592.95	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,600.42	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	3,607.88	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4	3,615.34	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,622.80	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,630.26	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	3,637.72	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1/4	3,645.15	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,652.57	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,660.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3,667.43	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1/4	3,674.85	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,682.28	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,689.71	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	3,697.13	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1/4	3,704.56	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,711.99	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,719.41	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	3,726.84	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1/4	3,734.27	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,741.69	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,749.12	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	3,756.54	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1/4	3,763.92	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,771.30	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,778.68	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	3,786.06	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
1/4	3,793.02	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,799.98	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,806.94	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	3,813.90	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1/4	3,820.11	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,826.32	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,832.53	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	3,838.74	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1/4	3,844.21	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,849.67	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,855.13	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	3,860.59	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4	3,865.31	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,870.02	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,874.74	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	3,879.45	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4	3,883.42	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,887.39	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	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 INNAGE 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	18.11	0	359.81	0	709.67	0	1,056.27	0	1,403.39	0	1,757.94	0	2,113.81	0	2,471.18	0	2,828.56	0	3,185.62
1/4	23.00	1/4	367.27	1/4	717.12	1/4	1,063.34	1/4	1,410.83	1/4	1,765.23	1/4	2,121.25	1/4	2,478.63	1/4	2,836.00	1/4	3,193.05
1/2	27.90	1/2	374.73	1/2	724.57	1/2	1,070.40	1/2	1,418.27	1/2	1,772.51	1/2	2,128.70	1/2	2,486.07	1/2	2,843.45	1/2	3,200.48
3/4	32.80	3/4	382.19	3/4	732.02	3/4	1,077.46	3/4	1,425.70	3/4	1,779.80	3/4	2,136.15	3/4	2,493.52	3/4	2,850.89	3/4	3,207.91
1	37.69	1	389.65	1	739.47	1	1,084.53	1	1,433.14	1	1,787.08	1	2,143.59	1	2,500.97	1	2,858.34	1	3,215.34
1/4	44.31	1/4	397.11	1/4	746.92	1/4	1,091.60	1/4	1,440.58	1/4	1,794.39	1/4	2,151.04	1/4	2,508.41	1/4	2,865.78	1/4	3,222.77
1/2	50.93	1/2	404.57	1/2	754.37	1/2	1,098.67	1/2	1,448.02	1/2	1,801.69	1/2	2,158.48	1/2	2,515.86	1/2	2,873.23	1/2	3,230.20
3/4	57.55	3/4	412.03	3/4	761.81	3/4	1,105.73	3/4	1,455.46	3/4	1,809.00	3/4	2,165.93	3/4	2,523.30	3/4	2,880.68	3/4	3,237.63
2	64.17	2	419.49	2	769.26	2	1,112.80	2	1,462.90	2	1,816.30	2	2,173.37	2	2,530.75	2	2,888.12	2	3,245.06
1/4	71.42	1/4	426.93	1/4	776.71	1/4	1,119.87	1/4	1,470.34	1/4	1,823.74	1/4	2,180.82	1/4	2,538.19	1/4	2,895.57	1/4	3,252.49
1/2	78.67	1/2	434.38	1/2	784.16	1/2	1,126.94	1/2	1,477.78	1/2	1,831.18	1/2	2,188.26	1/2	2,545.64	1/2	2,903.01	1/2	3,259.92
3/4	85.93	3/4	441.83	3/4	791.61	3/4	1,134.01	3/4	1,485.22	3/4	1,838.62	3/4	2,195.71	3/4	2,553.08	3/4	2,910.46	3/4	3,267.35
3	93.18	3	449.28	3	799.06	3	1,141.08	3	1,492.66	3	1,846.05	3	2,203.15	3	2,560.53	3	2,917.90	3	3,274.78
1/4	100.34	1/4	456.71	1/4	806.51	1/4	1,148.15	1/4	1,500.10	1/4	1,853.49	1/4	2,210.60	1/4	2,567.97	1/4	2,925.35	1/4	3,282.21
1/2	107.49	1/2	464.14	1/2	813.96	1/2	1,155.23	1/2	1,507.53	1/2	1,860.93	1/2	2,218.04	1/2	2,575.42	1/2	2,932.79	1/2	3,289.64
3/4	114.65	3/4	471.57	3/4	821.41	3/4	1,162.30	3/4	1,514.97	3/4	1,868.37	3/4	2,225.49	3/4	2,582.86	3/4	2,940.24	3/4	3,297.07
4	121.81	4	479.00	4	828.85	4	1,169.38	4	1,522.41	4	1,875.80	4	2,232.93	4	2,590.31	4	2,947.68	4	3,304.50
1/4	129.13	1/4	486.27	1/4	836.26	1/4	1,176.45	1/4	1,529.85	1/4	1,883.24	1/4	2,240.38	1/4	2,597.75	1/4	2,955.13	1/4	3,311.93
1/2	136.45	1/2	493.54	1/2	843.66	1/2	1,183.53	1/2	1,537.29	1/2	1,890.68	1/2	2,247.83	1/2	2,605.20	1/2	2,962.57	1/2	3,319.36
3/4	143.76	3/4	500.80	3/4	851.06	3/4	1,190.61	3/4	1,544.73	3/4	1,898.12	3/4	2,255.27	3/4	2,612.64	3/4	2,970.02	3/4	3,326.79
5	151.08	5	508.07	5	858.46	5	1,197.68	5	1,552.17	5	1,905.55	5	2,262.72	5	2,620.09	5	2,977.46	5	3,334.22
1/4	158.54	1/4	515.20	1/4	865.52	1/4	1,204.78	1/4	1,559.61	1/4	1,912.99	1/4	2,270.16	1/4	2,627.54	1/4	2,984.91	1/4	3,341.65
1/2	165.99	1/2	522.33	1/2	872.59	1/2	1,211.87	1/2	1,567.05	1/2	1,920.43	1/2	2,277.61	1/2	2,634.98	1/2	2,992.35	1/2	3,349.08
3/4	173.44	3/4	529.46	3/4	879.65	3/4	1,218.97	3/4	1,574.49	3/4	1,927.87	3/4	2,285.05	3/4	2,642.43	3/4	2,999.80	3/4	3,356.51
6	180.90	6	536.59	6	886.72	6	1,226.06	6	1,581.93	6	1,935.30	6	2,292.50	6	2,649.87	6	3,007.25	6	3,363.94
1/4	188.35	1/4	543.72	1/4	893.78	1/4	1,233.20	1/4	1,589.36	1/4	1,942.74	1/4	2,299.94	1/4	2,657.32	1/4	3,014.69	1/4	3,371.37
1/2	195.81	1/2	550.84	1/2	900.85	1/2	1,240.33	1/2	1,596.80	1/2	1,950.18	1/2	2,307.39	1/2	2,664.76	1/2	3,022.13	1/2	3,378.80
3/4	203.26	3/4	557.97	3/4	907.91	3/4	1,247.47	3/4	1,604.24	3/4	1,957.62	3/4	2,314.83	3/4	2,672.21	3/4	3,029.58	3/4	3,386.23
7	210.71	7	565.09	7	914.98	7	1,254.60	7	1,611.68	7	1,965.05	7	2,322.28	7	2,679.65	7	3,037.02	7	3,393.66
1/4	218.17	1/4	572.22	1/4	922.04	1/4	1,262.04	1/4	1,619.10	1/4	1,972.49	1/4	2,329.72	1/4	2,687.10	1/4	3,044.45	1/4	3,401.09
1/2	225.62	1/2	579.35	1/2	929.11	1/2	1,269.48	1/2	1,626.52	1/2	1,979.93	1/2	2,337.17	1/2	2,694.54	1/2	3,051.88	1/2	3,408.51
3/4	233.07	3/4	586.47	3/4	936.17	3/4	1,276.92	3/4	1,633.94	3/4	1,987.37	3/4	2,344.61	3/4	2,701.99	3/4	3,059.31	3/4	3,415.94
8	240.53	8	593.60	8	943.24	8	1,284.36	8	1,641.36	8	1,994.80	8	2,352.06	8	2,709.43	8	3,066.74	8	3,423.37
1/4	247.98	1/4	600.73	1/4	950.30	1/4	1,291.80	1/4	1,648.65	1/4	2,002.24	1/4	2,359.50	1/4	2,716.88	1/4	3,074.17	1/4	3,430.80
1/2	255.44	1/2	607.85	1/2	957.36	1/2	1,299.24	1/2	1,655.94	1/2	2,009.68	1/2	2,366.95	1/2	2,724.32	1/2	3,081.60	1/2	3,438.23
3/4	262.89	3/4	614.98	3/4	964.43	3/4	1,306.68	3/4	1,663.22	3/4	2,017.12	3/4	2,374.40	3/4	2,731.77	3/4	3,089.03	3/4	3,445.66
9	270.34	9	622.10	9	971.49	9	1,314.12	9	1,670.51	9	2,024.55	9	2,381.84	9	2,739.21	9	3,096.46	9	3,453.09
1/4	277.80	1/4	629.25	1/4	978.56	1/4	1,321.56	1/4	1,677.79	1/4	2,031.99	1/4	2,389.29	1/4	2,746.66	1/4	3,103.89	1/4	3,460.52
1/2	285.25	1/2	636.40	1/2	985.62	1/2	1,329.00	1/2	1,685.08	1/2	2,039.43	1/2	2,396.73	1/2	2,754.11	1/2	3,111.32	1/2	3,467.95
3/4	292.71	3/4	643.54	3/4	992.69	3/4	1,336.43	3/4	1,692.37	3/4	2,046.87	3/4	2,404.18	3/4	2,761.55	3/4	3,118.75	3/4	3,475.38
10	300.16	10	650.69	10	999.75	10	1,343.87	10	1,699.65	10	2,054.30	10	2,411.62	10	2,769.00	10	3,126.18	10	3,482.81
1/4	307.61	1/4	657.99	1/4	1,006.82	1/4	1,351.31	1/4	1,706.94	1/4	2,061.74	1/4	2,419.07	1/4	2,776.44	1/4	3,133.61	1/4	3,490.24
1/2	315.07	1/2	665.29	1/2	1,013.88	1/2	1,358.75	1/2	1,714.22	1/2	2,069.18	1/2	2,426.51	1/2	2,783.89	1/2	3,141.04	1/2	3,497.67
3/4	322.52	3/4	672.60	3/4	1,020.95	3/4	1,366.19	3/4	1,721.51	3/4	2,076.62	3/4	2,433.96	3/4	2,791.33	3/4	3,148.47	3/4	3,505.10
11	329.98	11	679.90	11	1,028.01	11	1,373.63	11	1,728.80	11	2,084.05	11	2,441.40	11	2,798.78	11	3,155.90	11	3,512.53
1/4	337.43	1/4	687.34	1/4	1,035.08	1/4	1,381.07	1/4	1,736.08	1/4	2,091.49	1/4	2,448.85	1/4	2,806.22	1/4	3,163.33	1/4	3,519.96
1/2	344.89	1/2	694.79	1/2	1,042.14	1/2	1,388.51	1/2	1,743.37	1/2	2,098.93	1/2	2,456.29	1/2	2,813.67	1/2	3,170.76	1/2	3,527.39
3/4	352.35	3/4	702.23	3/4	1,049.21	3/4	1,395.95	3/4	1,750.65	3/4	2,106.37	3/4	2,463.74	3/4	2,821.11	3/4	3,178.19	3/4	3,534.82

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 INNAGE 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 INNAGE 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	3,542.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	3,549.68	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,557.11	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,564.54	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	3,571.97	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4	3,579.40	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,586.82	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,594.25	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	3,601.68	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1/4	3,609.07	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,616.46	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,623.85	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3,631.24	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1/4	3,638.64	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,646.03	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,653.42	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	3,660.81	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1/4	3,668.20	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,675.60	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,682.99	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	3,690.38	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1/4	3,697.77	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,705.17	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,712.56	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	3,719.95	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1/4	3,727.30	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,734.64	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,741.99	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	3,749.33	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
1/4	3,756.26	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,763.18	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,770.11	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	3,777.04	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1/4	3,783.22	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,789.40	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,795.58	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	3,801.76	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1/4	3,807.19	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,812.63	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,818.06	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	3,823.50	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4	3,828.19	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,832.89	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,837.59	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	3,842.29	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4	3,846.24	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,850.20	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	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

### INNAGE 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	18.07	0	359.08	0	708.77	0	1,065.35	0	1,422.30	0	1,776.93	0	2,132.57	0	2,489.66	0	2,846.94	0	3,203.91
1/4	22.96	1/4	366.52	1/4	716.22	1/4	1,072.77	1/4	1,429.74	1/4	1,784.20	1/4	2,139.99	1/4	2,497.10	1/4	2,854.39	1/4	3,211.34
1/2	27.84	1/2	373.97	1/2	723.66	1/2	1,080.18	1/2	1,437.19	1/2	1,791.48	1/2	2,147.40	1/2	2,504.55	1/2	2,861.83	1/2	3,218.76
3/4	32.73	3/4	381.42	3/4	731.11	3/4	1,087.60	3/4	1,444.64	3/4	1,798.76	3/4	2,154.82	3/4	2,511.99	3/4	2,869.27	3/4	3,226.19
1	37.62	1	388.86	1	738.56	1	1,095.02	1	1,452.08	1	1,806.04	1	2,162.24	1	2,519.43	1	2,876.72	1	3,233.62
1/4	44.22	1/4	396.31	1/4	746.00	1/4	1,102.44	1/4	1,459.53	1/4	1,813.34	1/4	2,169.66	1/4	2,526.88	1/4	2,884.16	1/4	3,241.05
1/2	50.83	1/2	403.75	1/2	753.45	1/2	1,109.86	1/2	1,466.97	1/2	1,820.63	1/2	2,177.08	1/2	2,534.32	1/2	2,891.60	1/2	3,248.48
3/4	57.44	3/4	411.20	3/4	760.89	3/4	1,117.28	3/4	1,474.42	3/4	1,827.93	3/4	2,184.50	3/4	2,541.76	3/4	2,899.05	3/4	3,255.90
2	64.04	2	418.64	2	768.34	2	1,124.70	2	1,481.87	2	1,835.23	2	2,191.92	2	2,549.21	2	2,906.49	2	3,263.33
1/4	71.28	1/4	426.09	1/4	775.78	1/4	1,132.12	1/4	1,489.31	1/4	1,842.68	1/4	2,199.37	1/4	2,556.65	1/4	2,913.93	1/4	3,270.76
1/2	78.52	1/2	433.53	1/2	783.23	1/2	1,139.55	1/2	1,496.76	1/2	1,850.12	1/2	2,206.81	1/2	2,564.09	1/2	2,921.38	1/2	3,278.19
3/4	85.75	3/4	440.98	3/4	790.67	3/4	1,146.97	3/4	1,504.20	3/4	1,857.57	3/4	2,214.25	3/4	2,571.54	3/4	2,928.82	3/4	3,285.62
3	92.99	3	448.42	3	798.12	3	1,154.39	3	1,511.65	3	1,865.01	3	2,221.70	3	2,578.98	3	2,936.26	3	3,293.04
1/4	100.13	1/4	455.85	1/4	805.57	1/4	1,161.82	1/4	1,519.10	1/4	1,872.45	1/4	2,229.14	1/4	2,586.42	1/4	2,943.71	1/4	3,300.47
1/2	107.28	1/2	463.28	1/2	813.01	1/2	1,169.24	1/2	1,526.54	1/2	1,879.90	1/2	2,236.58	1/2	2,593.87	1/2	2,951.15	1/2	3,307.90
3/4	114.42	3/4	470.70	3/4	820.46	3/4	1,176.67	3/4	1,533.99	3/4	1,887.34	3/4	2,244.03	3/4	2,601.31	3/4	2,958.59	3/4	3,315.33
4	121.56	4	478.13	4	827.90	4	1,184.10	4	1,541.43	4	1,894.79	4	2,251.47	4	2,608.75	4	2,966.04	4	3,322.76
1/4	128.86	1/4	485.39	1/4	835.34	1/4	1,191.53	1/4	1,548.88	1/4	1,902.23	1/4	2,258.91	1/4	2,616.20	1/4	2,973.48	1/4	3,330.18
1/2	136.17	1/2	492.66	1/2	842.79	1/2	1,198.96	1/2	1,556.33	1/2	1,909.68	1/2	2,266.36	1/2	2,623.64	1/2	2,980.92	1/2	3,337.61
3/4	143.47	3/4	499.93	3/4	850.23	3/4	1,206.38	3/4	1,563.77	3/4	1,917.12	3/4	2,273.80	3/4	2,631.08	3/4	2,988.37	3/4	3,345.04
5	150.78	5	507.19	5	857.67	5	1,213.81	5	1,571.22	5	1,924.56	5	2,281.24	5	2,638.53	5	2,995.81	5	3,352.47
1/4	158.21	1/4	514.32	1/4	865.09	1/4	1,221.26	1/4	1,578.66	1/4	1,932.01	1/4	2,288.69	1/4	2,645.97	1/4	3,003.25	1/4	3,359.90
1/2	165.65	1/2	521.44	1/2	872.50	1/2	1,228.71	1/2	1,586.11	1/2	1,939.45	1/2	2,296.13	1/2	2,653.41	1/2	3,010.70	1/2	3,367.32
3/4	173.09	3/4	528.57	3/4	879.92	3/4	1,236.15	3/4	1,593.55	3/4	1,946.90	3/4	2,303.57	3/4	2,660.86	3/4	3,018.14	3/4	3,374.75
6	180.53	6	535.70	6	887.34	6	1,243.60	6	1,601.00	6	1,954.34	6	2,311.02	6	2,668.30	6	3,025.58	6	3,382.18
1/4	187.97	1/4	542.82	1/4	894.76	1/4	1,251.04	1/4	1,608.45	1/4	1,961.79	1/4	2,318.46	1/4	2,675.74	1/4	3,033.03	1/4	3,389.61
1/2	195.41	1/2	549.95	1/2	902.17	1/2	1,258.49	1/2	1,615.89	1/2	1,969.23	1/2	2,325.91	1/2	2,683.19	1/2	3,040.47	1/2	3,397.04
3/4	202.85	3/4	557.07	3/4	909.59	3/4	1,265.94	3/4	1,623.34	3/4	1,976.67	3/4	2,333.35	3/4	2,690.63	3/4	3,047.91	3/4	3,404.46
7	210.29	7	564.20	7	917.01	7	1,273.38	7	1,630.78	7	1,984.12	7	2,340.79	7	2,698.08	7	3,055.35	7	3,411.89
1/4	217.73	1/4	571.33	1/4	924.42	1/4	1,280.83	1/4	1,638.21	1/4	1,991.56	1/4	2,348.24	1/4	2,705.52	1/4	3,062.78	1/4	3,419.32
1/2	225.16	1/2	578.45	1/2	931.84	1/2	1,288.27	1/2	1,645.63	1/2	1,999.00	1/2	2,355.68	1/2	2,712.96	1/2	3,070.20	1/2	3,426.75
3/4	232.60	3/4	585.58	3/4	939.26	3/4	1,295.72	3/4	1,653.06	3/4	2,006.44	3/4	2,363.12	3/4	2,720.41	3/4	3,077.63	3/4	3,434.18
8	240.04	8	592.71	8	946.68	8	1,303.16	8	1,660.48	8	2,013.88	8	2,370.57	8	2,727.85	8	3,085.06	8	3,441.60
1/4	247.48	1/4	599.83	1/4	954.09	1/4	1,310.61	1/4	1,667.76	1/4	2,021.30	1/4	2,378.01	1/4	2,735.29	1/4	3,092.49	1/4	3,449.03
1/2	254.92	1/2	606.96	1/2	961.51	1/2	1,318.06	1/2	1,675.04	1/2	2,028.72	1/2	2,385.45	1/2	2,742.74	1/2	3,099.92	1/2	3,456.46
3/4	262.36	3/4	614.08	3/4	968.93	3/4	1,325.50	3/4	1,682.31	3/4	2,036.14	3/4	2,392.90	3/4	2,750.18	3/4	3,107.34	3/4	3,463.89
9	269.80	9	621.21	9	976.34	9	1,332.95	9	1,689.59	9	2,043.55	9	2,400.34	9	2,757.62	9	3,114.77	9	3,471.32
1/4	277.24	1/4	628.36	1/4	983.76	1/4	1,340.39	1/4	1,696.87	1/4	2,050.97	1/4	2,407.78	1/4	2,765.07	1/4	3,122.20	1/4	3,478.74
1/2	284.67	1/2	635.50	1/2	991.18	1/2	1,347.84	1/2	1,704.15	1/2	2,058.39	1/2	2,415.23	1/2	2,772.51	1/2	3,129.63	1/2	3,486.17
3/4	292.11	3/4	642.65	3/4	998.60	3/4	1,355.29	3/4	1,711.43	3/4	2,065.81	3/4	2,422.67	3/4	2,779.95	3/4	3,137.06	3/4	3,493.60
10	299.55	10	649.79	10	1,006.01	10	1,362.73	10	1,718.70	10	2,073.22	10	2,430.11	10	2,787.40	10	3,144.48	10	3,501.03
1/4	306.99	1/4	657.10	1/4	1,013.43	1/4	1,370.18	1/4	1,725.98	1/4	2,080.64	1/4	2,437.56	1/4	2,794.84	1/4	3,151.91	1/4	3,508.46
1/2	314.43	1/2	664.40	1/2	1,020.85	1/2	1,377.62	1/2	1,733.26	1/2	2,088.06	1/2	2,445.00	1/2	2,802.28	1/2	3,159.34	1/2	3,515.88
3/4	321.87	3/4	671.70	3/4	1,028.26	3/4	1,385.07	3/4	1,740.54	3/4	2,095.48	3/4	2,452.44	3/4	2,809.73	3/4	3,166.77	3/4	3,523.31
11	329.31	11	679.00	11	1,035.68	11	1,392.52	11	1,747.81	11	2,102.90	11	2,459.89	11	2,817.17	11	3,174.20	11	3,530.74
1/4	336.75	1/4	686.45	1/4	1,043.10	1/4	1,399.96	1/4	1,755.09	1/4	2,110.31	1/4	2,467.33	1/4	2,824.61	1/4	3,181.62	1/4	3,538.17
1/2	344.19	1/2	693.89	1/2	1,050.52	1/2	1,407.41	1/2	1,762.37	1/2	2,117.73	1/2	2,474.77	1/2	2,832.06	1/2	3,189.05	1/2	3,545.60
3/4	351.64	3/4	701.33	3/4	1,057.93	3/4	1,414.85	3/4	1,769.65	3/4	2,125.15	3/4	2,482.22	3/4	2,839.50	3/4	3,196.48	3/4	3,553.02

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 INNAGE 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 STBD  
INNAGE 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	3,560.45	0		0		0		0		0		0		0		0		0	
1/4	3,567.88	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,575.31	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,582.74	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	3,590.16	1		1		1		1		1		1		1		1		1	
1/4	3,597.59	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,605.01	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,612.43	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	3,619.86	2		2		2		2		2		2		2		2		2	
1/4	3,627.25	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,634.64	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,642.03	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	3,649.42	3		3		3		3		3		3		3		3		3	
1/4	3,656.81	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,664.20	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,671.59	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	3,678.98	4		4		4		4		4		4		4		4		4	
1/4	3,686.37	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,693.76	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,701.15	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	3,708.54	5		5		5		5		5		5		5		5		5	
1/4	3,715.93	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,723.32	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,730.71	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	3,738.10	6		6		6		6		6		6		6		6		6	
1/4	3,745.45	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,752.79	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,760.13	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	3,767.48	7		7		7		7		7		7		7		7		7	
1/4	3,774.40	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,781.32	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,788.25	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	3,795.17	8		8		8		8		8		8		8		8		8	
1/4	3,801.35	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,807.53	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,813.71	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	3,819.89	9		9		9		9		9		9		9		9		9	
1/4	3,825.33	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,830.77	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,836.20	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	3,841.64	10		10		10		10		10		10		10		10		10	
1/4	3,846.33	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,851.02	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,855.72	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,860.41	11		11		11		11		11		11		11		11		11	
1/4	3,864.35	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,868.30	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		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

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