



# BARGE "MM 136"

INNAGE (HERMETIC)

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8
1 STBD	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8
2 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
2 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
3 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
3 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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"  
 AFT DRAFT = 6'-00"  
 DIFF. = 4'-00" (DOWN BY STERN)

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

LENGTH BETWEEN DRAFT MARKS: 235'-00"

July 21, 2014

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

<http://www.pmacorp.net>



# BARGE "MM 136"

## 1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-05"

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	14.12	0	332.52	0	693.76	0	1,059.95	0	1,426.14	0	1,792.33	0	2,158.53	0	2,524.72	0	2,890.91	0	3,257.10
1/4	18.51	1/4	339.81	1/4	701.39	1/4	1,067.58	1/4	1,433.77	1/4	1,799.96	1/4	2,166.16	1/4	2,532.35	1/4	2,898.54	1/4	3,264.73
1/2	22.89	1/2	347.10	1/2	709.02	1/2	1,075.21	1/2	1,441.40	1/2	1,807.59	1/2	2,173.79	1/2	2,539.98	1/2	2,906.17	1/2	3,272.36
3/4	27.28	3/4	354.38	3/4	716.65	3/4	1,082.84	3/4	1,449.03	3/4	1,815.22	3/4	2,181.41	3/4	2,547.60	3/4	2,913.80	3/4	3,279.99
1	31.66	1	361.67	1	724.28	1	1,090.47	1	1,456.66	1	1,822.85	1	2,189.04	1	2,555.23	1	2,921.43	1	3,287.62
1/4	37.59	1/4	368.99	1/4	731.91	1/4	1,098.10	1/4	1,464.29	1/4	1,830.48	1/4	2,196.67	1/4	2,562.86	1/4	2,929.06	1/4	3,295.25
1/2	43.51	1/2	376.31	1/2	739.54	1/2	1,105.73	1/2	1,471.92	1/2	1,838.11	1/2	2,204.30	1/2	2,570.49	1/2	2,936.69	1/2	3,302.88
3/4	49.44	3/4	383.62	3/4	747.16	3/4	1,113.35	3/4	1,479.55	3/4	1,845.74	3/4	2,211.93	3/4	2,578.12	3/4	2,944.31	3/4	3,310.50
2	55.36	2	390.94	2	754.79	2	1,120.98	2	1,487.18	2	1,853.37	2	2,219.56	2	2,585.75	2	2,951.94	2	3,318.13
1/4	62.03	1/4	398.35	1/4	762.42	1/4	1,128.61	1/4	1,494.81	1/4	1,861.00	1/4	2,227.19	1/4	2,593.38	1/4	2,959.57	1/4	3,325.76
1/2	68.69	1/2	405.76	1/2	770.05	1/2	1,136.24	1/2	1,502.44	1/2	1,868.63	1/2	2,234.82	1/2	2,601.01	1/2	2,967.20	1/2	3,333.39
3/4	75.36	3/4	413.16	3/4	777.68	3/4	1,143.87	3/4	1,510.06	3/4	1,876.25	3/4	2,242.44	3/4	2,608.64	3/4	2,974.83	3/4	3,341.02
3	82.02	3	420.57	3	785.31	3	1,151.50	3	1,517.69	3	1,883.88	3	2,250.07	3	2,616.27	3	2,982.46	3	3,348.65
1/4	88.72	1/4	428.01	1/4	792.94	1/4	1,159.13	1/4	1,525.32	1/4	1,891.51	1/4	2,257.70	1/4	2,623.90	1/4	2,990.09	1/4	3,356.28
1/2	95.41	1/2	435.45	1/2	800.57	1/2	1,166.76	1/2	1,532.95	1/2	1,899.14	1/2	2,265.33	1/2	2,631.53	1/2	2,997.72	1/2	3,363.91
3/4	102.11	3/4	442.89	3/4	808.19	3/4	1,174.39	3/4	1,540.58	3/4	1,906.77	3/4	2,272.96	3/4	2,639.15	3/4	3,005.34	3/4	3,371.54
4	108.80	4	450.33	4	815.82	4	1,182.02	4	1,548.21	4	1,914.40	4	2,280.59	4	2,646.78	4	3,012.97	4	3,379.17
1/4	115.59	1/4	457.87	1/4	823.45	1/4	1,189.65	1/4	1,555.84	1/4	1,922.03	1/4	2,288.22	1/4	2,654.41	1/4	3,020.60	1/4	3,386.80
1/2	122.38	1/2	465.40	1/2	831.08	1/2	1,197.28	1/2	1,563.47	1/2	1,929.66	1/2	2,295.85	1/2	2,662.04	1/2	3,028.23	1/2	3,394.43
3/4	129.17	3/4	472.94	3/4	838.71	3/4	1,204.90	3/4	1,571.09	3/4	1,937.28	3/4	2,303.48	3/4	2,669.67	3/4	3,035.86	3/4	3,402.05
5	135.96	5	480.47	5	846.34	5	1,212.53	5	1,578.72	5	1,944.91	5	2,311.11	5	2,677.30	5	3,043.49	5	3,409.68
1/4	142.78	1/4	488.04	1/4	853.97	1/4	1,220.16	1/4	1,586.35	1/4	1,952.54	1/4	2,318.74	1/4	2,684.93	1/4	3,051.12	1/4	3,417.31
1/2	149.60	1/2	495.60	1/2	861.60	1/2	1,227.79	1/2	1,593.98	1/2	1,960.17	1/2	2,326.37	1/2	2,692.56	1/2	3,058.75	1/2	3,424.94
3/4	156.42	3/4	503.17	3/4	869.23	3/4	1,235.42	3/4	1,601.61	3/4	1,967.80	3/4	2,333.99	3/4	2,700.18	3/4	3,066.38	3/4	3,432.57
6	163.24	6	510.73	6	876.86	6	1,243.05	6	1,609.24	6	1,975.43	6	2,341.62	6	2,707.81	6	3,074.01	6	3,440.20
1/4	170.16	1/4	518.34	1/4	884.49	1/4	1,250.68	1/4	1,616.87	1/4	1,983.06	1/4	2,349.25	1/4	2,715.44	1/4	3,081.64	1/4	3,447.83
1/2	177.07	1/2	525.96	1/2	892.12	1/2	1,258.31	1/2	1,624.50	1/2	1,990.69	1/2	2,356.88	1/2	2,723.07	1/2	3,089.27	1/2	3,455.46
3/4	183.99	3/4	533.57	3/4	899.74	3/4	1,265.93	3/4	1,632.12	3/4	1,998.32	3/4	2,364.51	3/4	2,730.70	3/4	3,096.89	3/4	3,463.08
7	190.90	7	541.18	7	907.37	7	1,273.56	7	1,639.75	7	2,005.95	7	2,372.14	7	2,738.33	7	3,104.52	7	3,470.71
1/4	197.85	1/4	548.81	1/4	915.00	1/4	1,281.19	1/4	1,647.38	1/4	2,013.58	1/4	2,379.77	1/4	2,745.96	1/4	3,112.15	1/4	3,478.34
1/2	204.79	1/2	556.44	1/2	922.63	1/2	1,288.82	1/2	1,655.01	1/2	2,021.21	1/2	2,387.40	1/2	2,753.59	1/2	3,119.78	1/2	3,485.97
3/4	211.74	3/4	564.07	3/4	930.26	3/4	1,296.45	3/4	1,662.64	3/4	2,028.83	3/4	2,395.02	3/4	2,761.22	3/4	3,127.41	3/4	3,493.60
8	218.68	8	571.70	8	937.89	8	1,304.08	8	1,670.27	8	2,036.46	8	2,402.65	8	2,768.85	8	3,135.04	8	3,501.23
1/4	225.72	1/4	579.33	1/4	945.52	1/4	1,311.71	1/4	1,677.90	1/4	2,044.09	1/4	2,410.28	1/4	2,776.48	1/4	3,142.67	1/4	3,508.86
1/2	232.76	1/2	586.96	1/2	953.15	1/2	1,319.34	1/2	1,685.53	1/2	2,051.72	1/2	2,417.91	1/2	2,784.11	1/2	3,150.30	1/2	3,516.49
3/4	239.79	3/4	594.58	3/4	960.77	3/4	1,326.97	3/4	1,693.16	3/4	2,059.35	3/4	2,425.54	3/4	2,791.73	3/4	3,157.92	3/4	3,524.12
9	246.83	9	602.21	9	968.40	9	1,334.60	9	1,700.79	9	2,066.98	9	2,433.17	9	2,799.36	9	3,165.55	9	3,531.75
1/4	253.90	1/4	609.84	1/4	976.03	1/4	1,342.23	1/4	1,708.42	1/4	2,074.61	1/4	2,440.80	1/4	2,806.99	1/4	3,173.18	1/4	3,539.38
1/2	260.97	1/2	617.47	1/2	983.66	1/2	1,349.86	1/2	1,716.05	1/2	2,082.24	1/2	2,448.43	1/2	2,814.62	1/2	3,180.81	1/2	3,547.01
3/4	268.03	3/4	625.10	3/4	991.29	3/4	1,357.48	3/4	1,723.67	3/4	2,089.86	3/4	2,456.06	3/4	2,822.25	3/4	3,188.44	3/4	3,554.63
10	275.10	10	632.73	10	998.92	10	1,365.11	10	1,731.30	10	2,097.49	10	2,463.69	10	2,829.88	10	3,196.07	10	3,562.26
1/4	282.26	1/4	640.36	1/4	1,006.55	1/4	1,372.74	1/4	1,738.93	1/4	2,105.12	1/4	2,471.32	1/4	2,837.51	1/4	3,203.70	1/4	3,569.89
1/2	289.43	1/2	647.99	1/2	1,014.18	1/2	1,380.37	1/2	1,746.56	1/2	2,112.75	1/2	2,478.95	1/2	2,845.14	1/2	3,211.33	1/2	3,577.52
3/4	296.59	3/4	655.61	3/4	1,021.81	3/4	1,388.00	3/4	1,754.19	3/4	2,120.38	3/4	2,486.57	3/4	2,852.76	3/4	3,218.96	3/4	3,585.15
11	303.75	11	663.24	11	1,029.44	11	1,395.63	11	1,761.82	11	2,128.01	11	2,494.20	11	2,860.39	11	3,226.59	11	3,592.78
1/4	310.94	1/4	670.87	1/4	1,037.07	1/4	1,403.26	1/4	1,769.45	1/4	2,135.64	1/4	2,501.83	1/4	2,868.02	1/4	3,234.22	1/4	3,600.41
1/2	318.14	1/2	678.50	1/2	1,044.70	1/2	1,410.89	1/2	1,777.08	1/2	2,143.27	1/2	2,509.46	1/2	2,875.65	1/2	3,241.85	1/2	3,608.04
3/4	325.33	3/4	686.13	3/4	1,052.32	3/4	1,418.51	3/4	1,784.70	3/4	2,150.90	3/4	2,517.09	3/4	2,883.28	3/4	3,249.47	3/4	3,615.66

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED 11'-00" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.

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



# BARGE "MM 136"

## 1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-05"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	3,623.29	0	3,989.49	0	4,355.68	0	4,721.87	0	5,088.06	0		0		0		0		0	
1/4	3,630.92	1/4	3,997.12	1/4	4,363.31	1/4	4,729.50	1/4	5,095.27	1/4		1/4		1/4		1/4		1/4	
1/2	3,638.55	1/2	4,004.75	1/2	4,370.94	1/2	4,737.13	1/2	5,102.47	1/2		1/2		1/2		1/2		1/2	
3/4	3,646.18	3/4	4,012.37	3/4	4,378.56	3/4	4,744.76	3/4	5,109.68	3/4		3/4		3/4		3/4		3/4	
1	3,653.81	1	4,020.00	1	4,386.19	1	4,752.39	1	5,116.88	1		1		1		1		1	
1/4	3,661.44	1/4	4,027.63	1/4	4,393.82	1/4	4,760.02	1/4	5,123.10	1/4		1/4		1/4		1/4		1/4	
1/2	3,669.07	1/2	4,035.26	1/2	4,401.45	1/2	4,767.65	1/2	5,129.32	1/2		1/2		1/2		1/2		1/2	
3/4	3,676.70	3/4	4,042.89	3/4	4,409.08	3/4	4,775.27	3/4	5,135.53	3/4		3/4		3/4		3/4		3/4	
2	3,684.33	2	4,050.52	2	4,416.71	2	4,782.90	2	5,141.75	2		2		2		2		2	
1/4	3,691.96	1/4	4,058.15	1/4	4,424.34	1/4	4,790.53	1/4	5,146.84	1/4		1/4		1/4		1/4		1/4	
1/2	3,699.59	1/2	4,065.78	1/2	4,431.97	1/2	4,798.16	1/2	5,151.92	1/2		1/2		1/2		1/2		1/2	
3/4	3,707.21	3/4	4,073.40	3/4	4,439.60	3/4	4,805.79	3/4	5,157.01	3/4		3/4		3/4		3/4		3/4	
3	3,714.84	3	4,081.03	3	4,447.23	3	4,813.42	3	5,162.09	3		3		3		3		3	
1/4	3,722.47	1/4	4,088.66	1/4	4,454.86	1/4	4,821.05	1/4	5,166.04	1/4		1/4		1/4		1/4		1/4	
1/2	3,730.10	1/2	4,096.29	1/2	4,462.49	1/2	4,828.68	1/2	5,170.00	1/2		1/2		1/2		1/2		1/2	
3/4	3,737.73	3/4	4,103.92	3/4	4,470.11	3/4	4,836.30	3/4	5,173.95	3/4		3/4		3/4		3/4		3/4	
4	3,745.36	4	4,111.55	4	4,477.74	4	4,843.93	4	5,177.90	4		4		4		4		4	
1/4	3,752.99	1/4	4,119.18	1/4	4,485.37	1/4	4,851.56	1/4	5,180.72	1/4		1/4		1/4		1/4		1/4	
1/2	3,760.62	1/2	4,126.81	1/2	4,493.00	1/2	4,859.19	1/2	5,183.55	1/2		1/2		1/2		1/2		1/2	
3/4	3,768.24	3/4	4,134.44	3/4	4,500.63	3/4	4,866.82	3/4	5,186.37	3/4		3/4		3/4		3/4		3/4	
5	3,775.87	5	4,142.07	5	4,508.26	5	4,874.45	5	5,189.19	5		5		5		5		5	
1/4	3,783.50	1/4	4,149.70	1/4	4,515.89	1/4	4,882.08	1/4	5,190.88	1/4		1/4		1/4		1/4		1/4	
1/2	3,791.13	1/2	4,157.33	1/2	4,523.52	1/2	4,889.71	1/2	5,192.58	1/2		1/2		1/2		1/2		1/2	
3/4	3,798.76	3/4	4,164.95	3/4	4,531.14	3/4	4,897.34	3/4	5,194.27	3/4		3/4		3/4		3/4		3/4	
6	3,806.39	6	4,172.58	6	4,538.77	6	4,904.97	6	5,195.96	6		6		6		6		6	
1/4	3,814.02	1/4	4,180.21	1/4	4,546.40	1/4	4,912.60	1/4	5,196.63	1/4		1/4		1/4		1/4		1/4	
1/2	3,821.65	1/2	4,187.84	1/2	4,554.03	1/2	4,920.23	1/2	5,197.30	1/2		1/2		1/2		1/2		1/2	
3/4	3,829.28	3/4	4,195.47	3/4	4,561.66	3/4	4,927.85	3/4	5,197.96	3/4		3/4		3/4		3/4		3/4	
7	3,836.91	7	4,203.10	7	4,569.29	7	4,935.48	7	5,198.63	7		7		7		7		7	
1/4	3,844.54	1/4	4,210.73	1/4	4,576.92	1/4	4,943.11	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,852.17	1/2	4,218.36	1/2	4,584.55	1/2	4,950.74	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,859.79	3/4	4,225.98	3/4	4,592.18	3/4	4,958.37	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,867.42	8	4,233.61	8	4,599.81	8	4,966.00	8		8		8		8		8		8	
1/4	3,875.05	1/4	4,241.24	1/4	4,607.44	1/4	4,973.63	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,882.68	1/2	4,248.87	1/2	4,615.07	1/2	4,981.26	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,890.31	3/4	4,256.50	3/4	4,622.69	3/4	4,988.88	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,897.94	9	4,264.13	9	4,630.32	9	4,996.51	9		9		9		9		9		9	
1/4	3,905.57	1/4	4,271.76	1/4	4,637.95	1/4	5,004.14	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,913.20	1/2	4,279.39	1/2	4,645.58	1/2	5,011.77	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,920.82	3/4	4,287.02	3/4	4,653.21	3/4	5,019.40	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,928.45	10	4,294.65	10	4,660.84	10	5,027.03	10		10		10		10		10		10	
1/4	3,936.08	1/4	4,302.28	1/4	4,668.47	1/4	5,034.66	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,943.71	1/2	4,309.91	1/2	4,676.10	1/2	5,042.29	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,951.34	3/4	4,317.53	3/4	4,683.72	3/4	5,049.92	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,958.97	11	4,325.16	11	4,691.35	11	5,057.55	11		11		11		11		11		11	
1/4	3,966.60	1/4	4,332.79	1/4	4,698.98	1/4	5,065.18	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,974.23	1/2	4,340.42	1/2	4,706.61	1/2	5,072.81	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,981.86	3/4	4,348.05	3/4	4,714.24	3/4	5,080.43	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/21/2014 SW  
DECK MEASUREMENTS: 07/25/2014 SW  
PRINTED: 07/25/2014 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2014

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



# BARGE "MM 136"

# 1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-05"

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	14.12	0	332.52	0	693.76	0	1,059.95	0	1,426.14	0	1,792.33	0	2,158.53	0	2,524.72	0	2,890.91	0	3,257.10
1/4	18.51	1/4	339.81	1/4	701.39	1/4	1,067.58	1/4	1,433.77	1/4	1,799.96	1/4	2,166.16	1/4	2,532.35	1/4	2,898.54	1/4	3,264.73
1/2	22.89	1/2	347.10	1/2	709.02	1/2	1,075.21	1/2	1,441.40	1/2	1,807.59	1/2	2,173.79	1/2	2,539.98	1/2	2,906.17	1/2	3,272.36
3/4	27.28	3/4	354.38	3/4	716.65	3/4	1,082.84	3/4	1,449.03	3/4	1,815.22	3/4	2,181.41	3/4	2,547.60	3/4	2,913.80	3/4	3,279.99
1	31.66	1	361.67	1	724.28	1	1,090.47	1	1,456.66	1	1,822.85	1	2,189.04	1	2,555.23	1	2,921.43	1	3,287.62
1/4	37.59	1/4	368.99	1/4	731.91	1/4	1,098.10	1/4	1,464.29	1/4	1,830.48	1/4	2,196.67	1/4	2,562.86	1/4	2,929.06	1/4	3,295.25
1/2	43.51	1/2	376.31	1/2	739.54	1/2	1,105.73	1/2	1,471.92	1/2	1,838.11	1/2	2,204.30	1/2	2,570.49	1/2	2,936.69	1/2	3,302.88
3/4	49.44	3/4	383.62	3/4	747.16	3/4	1,113.35	3/4	1,479.55	3/4	1,845.74	3/4	2,211.93	3/4	2,578.12	3/4	2,944.31	3/4	3,310.50
2	55.36	2	390.94	2	754.79	2	1,120.98	2	1,487.18	2	1,853.37	2	2,219.56	2	2,585.75	2	2,951.94	2	3,318.13
1/4	62.03	1/4	398.35	1/4	762.42	1/4	1,128.61	1/4	1,494.81	1/4	1,861.00	1/4	2,227.19	1/4	2,593.38	1/4	2,959.57	1/4	3,325.76
1/2	68.69	1/2	405.76	1/2	770.05	1/2	1,136.24	1/2	1,502.44	1/2	1,868.63	1/2	2,234.82	1/2	2,601.01	1/2	2,967.20	1/2	3,333.39
3/4	75.36	3/4	413.16	3/4	777.68	3/4	1,143.87	3/4	1,510.06	3/4	1,876.25	3/4	2,242.44	3/4	2,608.64	3/4	2,974.83	3/4	3,341.02
3	82.02	3	420.57	3	785.31	3	1,151.50	3	1,517.69	3	1,883.88	3	2,250.07	3	2,616.27	3	2,982.46	3	3,348.65
1/4	88.72	1/4	428.01	1/4	792.94	1/4	1,159.13	1/4	1,525.32	1/4	1,891.51	1/4	2,257.70	1/4	2,623.90	1/4	2,990.09	1/4	3,356.28
1/2	95.41	1/2	435.45	1/2	800.57	1/2	1,166.76	1/2	1,532.95	1/2	1,899.14	1/2	2,265.33	1/2	2,631.53	1/2	2,997.72	1/2	3,363.91
3/4	102.11	3/4	442.89	3/4	808.19	3/4	1,174.39	3/4	1,540.58	3/4	1,906.77	3/4	2,272.96	3/4	2,639.15	3/4	3,005.34	3/4	3,371.54
4	108.80	4	450.33	4	815.82	4	1,182.02	4	1,548.21	4	1,914.40	4	2,280.59	4	2,646.78	4	3,012.97	4	3,379.17
1/4	115.59	1/4	457.87	1/4	823.45	1/4	1,189.65	1/4	1,555.84	1/4	1,922.03	1/4	2,288.22	1/4	2,654.41	1/4	3,020.60	1/4	3,386.80
1/2	122.38	1/2	465.40	1/2	831.08	1/2	1,197.28	1/2	1,563.47	1/2	1,929.66	1/2	2,295.85	1/2	2,662.04	1/2	3,028.23	1/2	3,394.43
3/4	129.17	3/4	472.94	3/4	838.71	3/4	1,204.90	3/4	1,571.09	3/4	1,937.28	3/4	2,303.48	3/4	2,669.67	3/4	3,035.86	3/4	3,402.05
5	135.96	5	480.47	5	846.34	5	1,212.53	5	1,578.72	5	1,944.91	5	2,311.11	5	2,677.30	5	3,043.49	5	3,409.68
1/4	142.78	1/4	488.04	1/4	853.97	1/4	1,220.16	1/4	1,586.35	1/4	1,952.54	1/4	2,318.74	1/4	2,684.93	1/4	3,051.12	1/4	3,417.31
1/2	149.60	1/2	495.60	1/2	861.60	1/2	1,227.79	1/2	1,593.98	1/2	1,960.17	1/2	2,326.37	1/2	2,692.56	1/2	3,058.75	1/2	3,424.94
3/4	156.42	3/4	503.17	3/4	869.23	3/4	1,235.42	3/4	1,601.61	3/4	1,967.80	3/4	2,333.99	3/4	2,700.18	3/4	3,066.38	3/4	3,432.57
6	163.24	6	510.73	6	876.86	6	1,243.05	6	1,609.24	6	1,975.43	6	2,341.62	6	2,707.81	6	3,074.01	6	3,440.20
1/4	170.16	1/4	518.34	1/4	884.49	1/4	1,250.68	1/4	1,616.87	1/4	1,983.06	1/4	2,349.25	1/4	2,715.44	1/4	3,081.64	1/4	3,447.83
1/2	177.07	1/2	525.96	1/2	892.12	1/2	1,258.31	1/2	1,624.50	1/2	1,990.69	1/2	2,356.88	1/2	2,723.07	1/2	3,089.27	1/2	3,455.46
3/4	183.99	3/4	533.57	3/4	899.74	3/4	1,265.93	3/4	1,632.12	3/4	1,998.32	3/4	2,364.51	3/4	2,730.70	3/4	3,096.89	3/4	3,463.08
7	190.90	7	541.18	7	907.37	7	1,273.56	7	1,639.75	7	2,005.95	7	2,372.14	7	2,738.33	7	3,104.52	7	3,470.71
1/4	197.85	1/4	548.81	1/4	915.00	1/4	1,281.19	1/4	1,647.38	1/4	2,013.58	1/4	2,379.77	1/4	2,745.96	1/4	3,112.15	1/4	3,478.34
1/2	204.79	1/2	556.44	1/2	922.63	1/2	1,288.82	1/2	1,655.01	1/2	2,021.21	1/2	2,387.40	1/2	2,753.59	1/2	3,119.78	1/2	3,485.97
3/4	211.74	3/4	564.07	3/4	930.26	3/4	1,296.45	3/4	1,662.64	3/4	2,028.83	3/4	2,395.02	3/4	2,761.22	3/4	3,127.41	3/4	3,493.60
8	218.68	8	571.70	8	937.89	8	1,304.08	8	1,670.27	8	2,036.46	8	2,402.65	8	2,768.85	8	3,135.04	8	3,501.23
1/4	225.72	1/4	579.33	1/4	945.52	1/4	1,311.71	1/4	1,677.90	1/4	2,044.09	1/4	2,410.28	1/4	2,776.48	1/4	3,142.67	1/4	3,508.86
1/2	232.76	1/2	586.96	1/2	953.15	1/2	1,319.34	1/2	1,685.53	1/2	2,051.72	1/2	2,417.91	1/2	2,784.11	1/2	3,150.30	1/2	3,516.49
3/4	239.79	3/4	594.58	3/4	960.77	3/4	1,326.97	3/4	1,693.16	3/4	2,059.35	3/4	2,425.54	3/4	2,791.73	3/4	3,157.92	3/4	3,524.12
9	246.83	9	602.21	9	968.40	9	1,334.60	9	1,700.79	9	2,066.98	9	2,433.17	9	2,799.36	9	3,165.55	9	3,531.75
1/4	253.90	1/4	609.84	1/4	976.03	1/4	1,342.23	1/4	1,708.42	1/4	2,074.61	1/4	2,440.80	1/4	2,806.99	1/4	3,173.18	1/4	3,539.38
1/2	260.97	1/2	617.47	1/2	983.66	1/2	1,349.86	1/2	1,716.05	1/2	2,082.24	1/2	2,448.43	1/2	2,814.62	1/2	3,180.81	1/2	3,547.01
3/4	268.03	3/4	625.10	3/4	991.29	3/4	1,357.48	3/4	1,723.67	3/4	2,089.86	3/4	2,456.06	3/4	2,822.25	3/4	3,188.44	3/4	3,554.63
10	275.10	10	632.73	10	998.92	10	1,365.11	10	1,731.30	10	2,097.49	10	2,463.69	10	2,829.88	10	3,196.07	10	3,562.26
1/4	282.26	1/4	640.36	1/4	1,006.55	1/4	1,372.74	1/4	1,738.93	1/4	2,105.12	1/4	2,471.32	1/4	2,837.51	1/4	3,203.70	1/4	3,569.89
1/2	289.43	1/2	647.99	1/2	1,014.18	1/2	1,380.37	1/2	1,746.56	1/2	2,112.75	1/2	2,478.95	1/2	2,845.14	1/2	3,211.33	1/2	3,577.52
3/4	296.59	3/4	655.61	3/4	1,021.81	3/4	1,388.00	3/4	1,754.19	3/4	2,120.38	3/4	2,486.57	3/4	2,852.76	3/4	3,218.96	3/4	3,585.15
11	303.75	11	663.24	11	1,029.44	11	1,395.63	11	1,761.82	11	2,128.01	11	2,494.20	11	2,860.39	11	3,226.59	11	3,592.78
1/4	310.94	1/4	670.87	1/4	1,037.07	1/4	1,403.26	1/4	1,769.45	1/4	2,135.64	1/4	2,501.83	1/4	2,868.02	1/4	3,234.22	1/4	3,600.41
1/2	318.14	1/2	678.50	1/2	1,044.70	1/2	1,410.89	1/2	1,777.08	1/2	2,143.27	1/2	2,509.46	1/2	2,875.65	1/2	3,241.85	1/2	3,608.04
3/4	325.33	3/4	686.13	3/4	1,052.32	3/4	1,418.51	3/4	1,784.70	3/4	2,150.90	3/4	2,517.09	3/4	2,883.28	3/4	3,249.47	3/4	3,615.66

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED 11'-00" 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 "MM 136"

## 1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-05"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	3,623.29	0	3,989.49	0	4,355.68	0	4,721.87	0	5,088.06	0		0		0		0		0	
1/4	3,630.92	1/4	3,997.12	1/4	4,363.31	1/4	4,729.50	1/4	5,095.27	1/4		1/4		1/4		1/4		1/4	
1/2	3,638.55	1/2	4,004.75	1/2	4,370.94	1/2	4,737.13	1/2	5,102.47	1/2		1/2		1/2		1/2		1/2	
3/4	3,646.18	3/4	4,012.37	3/4	4,378.56	3/4	4,744.76	3/4	5,109.68	3/4		3/4		3/4		3/4		3/4	
1	3,653.81	1	4,020.00	1	4,386.19	1	4,752.39	1	5,116.88	1		1		1		1		1	
1/4	3,661.44	1/4	4,027.63	1/4	4,393.82	1/4	4,760.02	1/4	5,123.10	1/4		1/4		1/4		1/4		1/4	
1/2	3,669.07	1/2	4,035.26	1/2	4,401.45	1/2	4,767.65	1/2	5,129.32	1/2		1/2		1/2		1/2		1/2	
3/4	3,676.70	3/4	4,042.89	3/4	4,409.08	3/4	4,775.27	3/4	5,135.53	3/4		3/4		3/4		3/4		3/4	
2	3,684.33	2	4,050.52	2	4,416.71	2	4,782.90	2	5,141.75	2		2		2		2		2	
1/4	3,691.96	1/4	4,058.15	1/4	4,424.34	1/4	4,790.53	1/4	5,146.84	1/4		1/4		1/4		1/4		1/4	
1/2	3,699.59	1/2	4,065.78	1/2	4,431.97	1/2	4,798.16	1/2	5,151.92	1/2		1/2		1/2		1/2		1/2	
3/4	3,707.21	3/4	4,073.40	3/4	4,439.60	3/4	4,805.79	3/4	5,157.01	3/4		3/4		3/4		3/4		3/4	
3	3,714.84	3	4,081.03	3	4,447.23	3	4,813.42	3	5,162.09	3		3		3		3		3	
1/4	3,722.47	1/4	4,088.66	1/4	4,454.86	1/4	4,821.05	1/4	5,166.04	1/4		1/4		1/4		1/4		1/4	
1/2	3,730.10	1/2	4,096.29	1/2	4,462.49	1/2	4,828.68	1/2	5,170.00	1/2		1/2		1/2		1/2		1/2	
3/4	3,737.73	3/4	4,103.92	3/4	4,470.11	3/4	4,836.30	3/4	5,173.95	3/4		3/4		3/4		3/4		3/4	
4	3,745.36	4	4,111.55	4	4,477.74	4	4,843.93	4	5,177.90	4		4		4		4		4	
1/4	3,752.99	1/4	4,119.18	1/4	4,485.37	1/4	4,851.56	1/4	5,180.72	1/4		1/4		1/4		1/4		1/4	
1/2	3,760.62	1/2	4,126.81	1/2	4,493.00	1/2	4,859.19	1/2	5,183.55	1/2		1/2		1/2		1/2		1/2	
3/4	3,768.24	3/4	4,134.44	3/4	4,500.63	3/4	4,866.82	3/4	5,186.37	3/4		3/4		3/4		3/4		3/4	
5	3,775.87	5	4,142.07	5	4,508.26	5	4,874.45	5	5,189.19	5		5		5		5		5	
1/4	3,783.50	1/4	4,149.70	1/4	4,515.89	1/4	4,882.08	1/4	5,190.88	1/4		1/4		1/4		1/4		1/4	
1/2	3,791.13	1/2	4,157.33	1/2	4,523.52	1/2	4,889.71	1/2	5,192.58	1/2		1/2		1/2		1/2		1/2	
3/4	3,798.76	3/4	4,164.95	3/4	4,531.14	3/4	4,897.34	3/4	5,194.27	3/4		3/4		3/4		3/4		3/4	
6	3,806.39	6	4,172.58	6	4,538.77	6	4,904.97	6	5,195.96	6		6		6		6		6	
1/4	3,814.02	1/4	4,180.21	1/4	4,546.40	1/4	4,912.60	1/4	5,196.63	1/4		1/4		1/4		1/4		1/4	
1/2	3,821.65	1/2	4,187.84	1/2	4,554.03	1/2	4,920.23	1/2	5,197.30	1/2		1/2		1/2		1/2		1/2	
3/4	3,829.28	3/4	4,195.47	3/4	4,561.66	3/4	4,927.85	3/4	5,197.96	3/4		3/4		3/4		3/4		3/4	
7	3,836.91	7	4,203.10	7	4,569.29	7	4,935.48	7	5,198.63	7		7		7		7		7	
1/4	3,844.54	1/4	4,210.73	1/4	4,576.92	1/4	4,943.11	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,852.17	1/2	4,218.36	1/2	4,584.55	1/2	4,950.74	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,859.79	3/4	4,225.98	3/4	4,592.18	3/4	4,958.37	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,867.42	8	4,233.61	8	4,599.81	8	4,966.00	8		8		8		8		8		8	
1/4	3,875.05	1/4	4,241.24	1/4	4,607.44	1/4	4,973.63	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,882.68	1/2	4,248.87	1/2	4,615.07	1/2	4,981.26	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,890.31	3/4	4,256.50	3/4	4,622.69	3/4	4,988.88	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,897.94	9	4,264.13	9	4,630.32	9	4,996.51	9		9		9		9		9		9	
1/4	3,905.57	1/4	4,271.76	1/4	4,637.95	1/4	5,004.14	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,913.20	1/2	4,279.39	1/2	4,645.58	1/2	5,011.77	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,920.82	3/4	4,287.02	3/4	4,653.21	3/4	5,019.40	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,928.45	10	4,294.65	10	4,660.84	10	5,027.03	10		10		10		10		10		10	
1/4	3,936.08	1/4	4,302.28	1/4	4,668.47	1/4	5,034.66	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,943.71	1/2	4,309.91	1/2	4,676.10	1/2	5,042.29	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,951.34	3/4	4,317.53	3/4	4,683.72	3/4	5,049.92	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,958.97	11	4,325.16	11	4,691.35	11	5,057.55	11		11		11		11		11		11	
1/4	3,966.60	1/4	4,332.79	1/4	4,698.98	1/4	5,065.18	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,974.23	1/2	4,340.42	1/2	4,706.61	1/2	5,072.81	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,981.86	3/4	4,348.05	3/4	4,714.24	3/4	5,080.43	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/21/2014 SW  
DECK MEASUREMENTS: 07/25/2014 SW  
PRINTED: 07/25/2014 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2014

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



# BARGE "MM 136"

## 2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-05 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	13.28	0	343.70	0	687.43	0	1,031.16	0	1,374.88	0	1,718.61	0	2,062.34	0	2,406.07	0	2,749.80	0	3,093.52
1/4	17.88	1/4	350.86	1/4	694.59	1/4	1,038.32	1/4	1,382.04	1/4	1,725.77	1/4	2,069.50	1/4	2,413.23	1/4	2,756.96	1/4	3,100.68
1/2	22.49	1/2	358.02	1/2	701.75	1/2	1,045.48	1/2	1,389.21	1/2	1,732.94	1/2	2,076.66	1/2	2,420.39	1/2	2,764.12	1/2	3,107.84
3/4	27.09	3/4	365.18	3/4	708.91	3/4	1,052.64	3/4	1,396.37	3/4	1,740.10	3/4	2,083.82	3/4	2,427.55	3/4	2,771.28	3/4	3,115.01
1	31.69	1	372.34	1	716.07	1	1,059.80	1	1,403.53	1	1,747.26	1	2,090.98	1	2,434.71	1	2,778.44	1	3,122.17
1/4	38.08	1/4	379.50	1/4	723.23	1/4	1,066.96	1/4	1,410.69	1/4	1,754.42	1/4	2,098.14	1/4	2,441.87	1/4	2,785.60	1/4	3,129.33
1/2	44.48	1/2	386.67	1/2	730.39	1/2	1,074.12	1/2	1,417.85	1/2	1,761.58	1/2	2,105.31	1/2	2,449.03	1/2	2,792.76	1/2	3,136.49
3/4	50.87	3/4	393.83	3/4	737.55	3/4	1,081.28	3/4	1,425.01	3/4	1,768.74	3/4	2,112.47	3/4	2,456.20	3/4	2,799.92	3/4	3,143.65
2	57.26	2	400.99	2	744.71	2	1,088.44	2	1,432.17	2	1,775.90	2	2,119.63	2	2,463.36	2	2,807.08	2	3,150.81
1/4	64.42	1/4	408.15	1/4	751.87	1/4	1,095.60	1/4	1,439.33	1/4	1,783.06	1/4	2,126.79	1/4	2,470.52	1/4	2,814.24	1/4	3,157.97
1/2	71.58	1/2	415.31	1/2	759.04	1/2	1,102.77	1/2	1,446.50	1/2	1,790.22	1/2	2,133.95	1/2	2,477.68	1/2	2,821.40	1/2	3,165.13
3/4	78.74	3/4	422.47	3/4	766.20	3/4	1,109.93	3/4	1,453.66	3/4	1,797.38	3/4	2,141.11	3/4	2,484.84	3/4	2,828.57	3/4	3,172.30
3	85.90	3	429.63	3	773.36	3	1,117.09	3	1,460.82	3	1,804.54	3	2,148.27	3	2,492.00	3	2,835.73	3	3,179.46
1/4	93.06	1/4	436.79	1/4	780.52	1/4	1,124.25	1/4	1,467.98	1/4	1,811.70	1/4	2,155.43	1/4	2,499.16	1/4	2,842.89	1/4	3,186.62
1/2	100.23	1/2	443.96	1/2	787.68	1/2	1,131.41	1/2	1,475.14	1/2	1,818.87	1/2	2,162.60	1/2	2,506.32	1/2	2,850.05	1/2	3,193.78
3/4	107.39	3/4	451.12	3/4	794.84	3/4	1,138.57	3/4	1,482.30	3/4	1,826.03	3/4	2,169.76	3/4	2,513.48	3/4	2,857.21	3/4	3,200.94
4	114.55	4	458.28	4	802.00	4	1,145.73	4	1,489.46	4	1,833.19	4	2,176.92	4	2,520.64	4	2,864.37	4	3,208.10
1/4	121.71	1/4	465.44	1/4	809.16	1/4	1,152.89	1/4	1,496.62	1/4	1,840.35	1/4	2,184.08	1/4	2,527.80	1/4	2,871.53	1/4	3,215.26
1/2	128.87	1/2	472.60	1/2	816.33	1/2	1,160.06	1/2	1,503.78	1/2	1,847.51	1/2	2,191.24	1/2	2,534.96	1/2	2,878.69	1/2	3,222.42
3/4	136.03	3/4	479.76	3/4	823.49	3/4	1,167.22	3/4	1,510.94	3/4	1,854.67	3/4	2,198.40	3/4	2,542.13	3/4	2,885.86	3/4	3,229.58
5	143.19	5	486.92	5	830.65	5	1,174.38	5	1,518.10	5	1,861.83	5	2,205.56	5	2,549.29	5	2,893.02	5	3,236.74
1/4	150.35	1/4	494.08	1/4	837.81	1/4	1,181.54	1/4	1,525.26	1/4	1,868.99	1/4	2,212.72	1/4	2,556.45	1/4	2,900.18	1/4	3,243.90
1/2	157.52	1/2	501.24	1/2	844.97	1/2	1,188.70	1/2	1,532.43	1/2	1,876.16	1/2	2,219.88	1/2	2,563.61	1/2	2,907.34	1/2	3,251.06
3/4	164.68	3/4	508.40	3/4	852.13	3/4	1,195.86	3/4	1,539.59	3/4	1,883.32	3/4	2,227.04	3/4	2,570.77	3/4	2,914.50	3/4	3,258.23
6	171.84	6	515.56	6	859.29	6	1,203.02	6	1,546.75	6	1,890.48	6	2,234.20	6	2,577.93	6	2,921.66	6	3,265.39
1/4	179.00	1/4	522.72	1/4	866.45	1/4	1,210.18	1/4	1,553.91	1/4	1,897.64	1/4	2,241.36	1/4	2,585.09	1/4	2,928.82	1/4	3,272.55
1/2	186.16	1/2	529.89	1/2	873.61	1/2	1,217.34	1/2	1,561.07	1/2	1,904.80	1/2	2,248.53	1/2	2,592.25	1/2	2,935.98	1/2	3,279.71
3/4	193.32	3/4	537.05	3/4	880.77	3/4	1,224.50	3/4	1,568.23	3/4	1,911.96	3/4	2,255.69	3/4	2,599.42	3/4	2,943.14	3/4	3,286.87
7	200.48	7	544.21	7	887.93	7	1,231.66	7	1,575.39	7	1,919.12	7	2,262.85	7	2,606.58	7	2,950.30	7	3,294.03
1/4	207.64	1/4	551.37	1/4	895.09	1/4	1,238.82	1/4	1,582.55	1/4	1,926.28	1/4	2,270.01	1/4	2,613.74	1/4	2,957.46	1/4	3,301.19
1/2	214.80	1/2	558.53	1/2	902.26	1/2	1,245.99	1/2	1,589.72	1/2	1,933.44	1/2	2,277.17	1/2	2,620.90	1/2	2,964.62	1/2	3,308.35
3/4	221.96	3/4	565.69	3/4	909.42	3/4	1,253.15	3/4	1,596.88	3/4	1,940.60	3/4	2,284.33	3/4	2,628.06	3/4	2,971.79	3/4	3,315.52
8	229.12	8	572.85	8	916.58	8	1,260.31	8	1,604.04	8	1,947.76	8	2,291.49	8	2,635.22	8	2,978.95	8	3,322.68
1/4	236.28	1/4	580.01	1/4	923.74	1/4	1,267.47	1/4	1,611.20	1/4	1,954.92	1/4	2,298.65	1/4	2,642.38	1/4	2,986.11	1/4	3,329.84
1/2	243.45	1/2	587.17	1/2	930.90	1/2	1,274.63	1/2	1,618.36	1/2	1,962.09	1/2	2,305.82	1/2	2,649.54	1/2	2,993.27	1/2	3,337.00
3/4	250.61	3/4	594.33	3/4	938.06	3/4	1,281.79	3/4	1,625.52	3/4	1,969.25	3/4	2,312.98	3/4	2,656.70	3/4	3,000.43	3/4	3,344.16
9	257.77	9	601.49	9	945.22	9	1,288.95	9	1,632.68	9	1,976.41	9	2,320.14	9	2,663.86	9	3,007.59	9	3,351.32
1/4	264.93	1/4	608.65	1/4	952.38	1/4	1,296.11	1/4	1,639.84	1/4	1,983.57	1/4	2,327.30	1/4	2,671.02	1/4	3,014.75	1/4	3,358.48
1/2	272.09	1/2	615.82	1/2	959.55	1/2	1,303.28	1/2	1,647.00	1/2	1,990.73	1/2	2,334.46	1/2	2,678.18	1/2	3,021.91	1/2	3,365.64
3/4	279.25	3/4	622.98	3/4	966.71	3/4	1,310.44	3/4	1,654.16	3/4	1,997.89	3/4	2,341.62	3/4	2,685.35	3/4	3,029.08	3/4	3,372.80
10	286.41	10	630.14	10	973.87	10	1,317.60	10	1,661.32	10	2,005.05	10	2,348.78	10	2,692.51	10	3,036.24	10	3,379.96
1/4	293.57	1/4	637.30	1/4	981.03	1/4	1,324.76	1/4	1,668.48	1/4	2,012.21	1/4	2,355.94	1/4	2,699.67	1/4	3,043.40	1/4	3,387.12
1/2	300.74	1/2	644.46	1/2	988.19	1/2	1,331.92	1/2	1,675.65	1/2	2,019.38	1/2	2,363.10	1/2	2,706.83	1/2	3,050.56	1/2	3,394.28
3/4	307.90	3/4	651.62	3/4	995.35	3/4	1,339.08	3/4	1,682.81	3/4	2,026.54	3/4	2,370.26	3/4	2,713.99	3/4	3,057.72	3/4	3,401.45
11	315.06	11	658.78	11	1,002.51	11	1,346.24	11	1,689.97	11	2,033.70	11	2,377.42	11	2,721.15	11	3,064.88	11	3,408.61
1/4	322.22	1/4	665.94	1/4	1,009.67	1/4	1,353.40	1/4	1,697.13	1/4	2,040.86	1/4	2,384.58	1/4	2,728.31	1/4	3,072.04	1/4	3,415.77
1/2	329.38	1/2	673.11	1/2	1,016.84	1/2	1,360.56	1/2	1,704.29	1/2	2,048.02	1/2	2,391.75	1/2	2,735.47	1/2	3,079.20	1/2	3,422.93
3/4	336.54	3/4	680.27	3/4	1,024.00	3/4	1,367.72	3/4	1,711.45	3/4	2,055.18	3/4	2,398.91	3/4	2,742.64	3/4	3,086.36	3/4	3,430.09

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED 11'-00" OFF CENTERLINE AND 41'-06" FORWARD OF AFT BULKHEAD.

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



# BARGE "MM 136"

## 2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-05 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	3,437.25	0	3,780.98	0	4,124.71	0	4,468.44	0	4,809.91	0		0		0		0		0	
1/4	3,444.41	1/4	3,788.14	1/4	4,131.87	1/4	4,475.59	1/4	4,816.62	1/4		1/4		1/4		1/4		1/4	
1/2	3,451.57	1/2	3,795.30	1/2	4,139.03	1/2	4,482.73	1/2	4,823.33	1/2		1/2		1/2		1/2		1/2	
3/4	3,458.74	3/4	3,802.46	3/4	4,146.19	3/4	4,489.88	3/4	4,830.05	3/4		3/4		3/4		3/4		3/4	
1	3,465.90	1	3,809.62	1	4,153.35	1	4,497.03	1	4,836.76	1		1		1		1		1	
1/4	3,473.06	1/4	3,816.78	1/4	4,160.51	1/4	4,504.14	1/4	4,842.58	1/4		1/4		1/4		1/4		1/4	
1/2	3,480.22	1/2	3,823.94	1/2	4,167.67	1/2	4,511.25	1/2	4,848.40	1/2		1/2		1/2		1/2		1/2	
3/4	3,487.38	3/4	3,831.11	3/4	4,174.84	3/4	4,518.36	3/4	4,854.23	3/4		3/4		3/4		3/4		3/4	
2	3,494.54	2	3,838.27	2	4,182.00	2	4,525.47	2	4,860.05	2		2		2		2		2	
1/4	3,501.70	1/4	3,845.43	1/4	4,189.16	1/4	4,532.58	1/4	4,864.82	1/4		1/4		1/4		1/4		1/4	
1/2	3,508.86	1/2	3,852.59	1/2	4,196.32	1/2	4,539.69	1/2	4,869.59	1/2		1/2		1/2		1/2		1/2	
3/4	3,516.02	3/4	3,859.75	3/4	4,203.48	3/4	4,546.81	3/4	4,874.36	3/4		3/4		3/4		3/4		3/4	
3	3,523.18	3	3,866.91	3	4,210.64	3	4,553.92	3	4,879.13	3		3		3		3		3	
1/4	3,530.34	1/4	3,874.07	1/4	4,217.80	1/4	4,561.03	1/4	4,882.84	1/4		1/4		1/4		1/4		1/4	
1/2	3,537.50	1/2	3,881.23	1/2	4,224.96	1/2	4,568.14	1/2	4,886.55	1/2		1/2		1/2		1/2		1/2	
3/4	3,544.67	3/4	3,888.40	3/4	4,232.12	3/4	4,575.25	3/4	4,890.26	3/4		3/4		3/4		3/4		3/4	
4	3,551.83	4	3,895.56	4	4,239.28	4	4,582.36	4	4,893.97	4		4		4		4		4	
1/4	3,558.99	1/4	3,902.72	1/4	4,246.44	1/4	4,589.47	1/4	4,896.62	1/4		1/4		1/4		1/4		1/4	
1/2	3,566.15	1/2	3,909.88	1/2	4,253.60	1/2	4,596.58	1/2	4,899.27	1/2		1/2		1/2		1/2		1/2	
3/4	3,573.31	3/4	3,917.04	3/4	4,260.77	3/4	4,603.70	3/4	4,903.93	3/4		3/4		3/4		3/4		3/4	
5	3,580.47	5	3,924.20	5	4,267.93	5	4,610.81	5	4,904.58	5		5		5		5		5	
1/4	3,587.63	1/4	3,931.36	1/4	4,275.09	1/4	4,617.92	1/4	4,906.17	1/4		1/4		1/4		1/4		1/4	
1/2	3,594.79	1/2	3,938.52	1/2	4,282.25	1/2	4,625.03	1/2	4,907.75	1/2		1/2		1/2		1/2		1/2	
3/4	3,601.96	3/4	3,945.68	3/4	4,289.41	3/4	4,632.14	3/4	4,909.34	3/4		3/4		3/4		3/4		3/4	
6	3,609.12	6	3,952.84	6	4,296.57	6	4,639.25	6	4,910.93	6		6		6		6		6	
1/4	3,616.28	1/4	3,960.00	1/4	4,303.73	1/4	4,646.36	1/4	4,911.55	1/4		1/4		1/4		1/4		1/4	
1/2	3,623.44	1/2	3,967.16	1/2	4,310.89	1/2	4,653.47	1/2	4,912.18	1/2		1/2		1/2		1/2		1/2	
3/4	3,630.60	3/4	3,974.33	3/4	4,318.06	3/4	4,660.58	3/4	4,912.80	3/4		3/4		3/4		3/4		3/4	
7	3,637.76	7	3,981.49	7	4,325.22	7	4,667.69	7	4,913.43	7		7		7		7		7	
1/4	3,644.92	1/4	3,988.65	1/4	4,332.38	1/4	4,674.80	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,652.08	1/2	3,995.81	1/2	4,339.54	1/2	4,681.91	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,659.24	3/4	4,002.97	3/4	4,346.70	3/4	4,689.03	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,666.40	8	4,010.13	8	4,353.86	8	4,696.14	8		8		8		8		8		8	
1/4	3,673.56	1/4	4,017.29	1/4	4,361.02	1/4	4,703.25	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,680.72	1/2	4,024.45	1/2	4,368.18	1/2	4,710.36	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,687.89	3/4	4,031.62	3/4	4,375.34	3/4	4,717.47	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,695.05	9	4,038.78	9	4,382.50	9	4,724.58	9		9		9		9		9		9	
1/4	3,702.21	1/4	4,045.94	1/4	4,389.66	1/4	4,731.69	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,709.37	1/2	4,053.10	1/2	4,396.82	1/2	4,738.80	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,716.53	3/4	4,060.26	3/4	4,403.99	3/4	4,745.92	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,723.69	10	4,067.42	10	4,411.15	10	4,753.03	10		10		10		10		10		10	
1/4	3,730.85	1/4	4,074.58	1/4	4,418.31	1/4	4,760.14	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,738.01	1/2	4,081.74	1/2	4,425.47	1/2	4,767.25	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,745.18	3/4	4,088.90	3/4	4,432.63	3/4	4,774.36	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,752.34	11	4,096.06	11	4,439.79	11	4,781.47	11		11		11		11		11		11	
1/4	3,759.50	1/4	4,103.22	1/4	4,446.95	1/4	4,788.58	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,766.66	1/2	4,110.38	1/2	4,454.11	1/2	4,795.69	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,773.82	3/4	4,117.55	3/4	4,461.28	3/4	4,802.80	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/21/2014 SW  
DECK MEASUREMENTS: 07/25/2014 SW  
PRINTED: 07/25/2014 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2014

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





# BARGE "MM 136"

## 2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-05 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	10.21	0	336.54	0	680.27	0	1,023.99	0	1,367.72	0	1,711.45	0	2,055.18	0	2,398.91	0	2,742.63	0	3,086.36
1/4	14.30	1/4	343.70	1/4	687.43	1/4	1,031.15	1/4	1,374.88	1/4	1,718.61	1/4	2,062.34	1/4	2,406.07	1/4	2,749.79	1/4	3,093.52
1/2	18.39	1/2	350.86	1/2	694.59	1/2	1,038.32	1/2	1,382.05	1/2	1,725.77	1/2	2,069.50	1/2	2,413.23	1/2	2,756.95	1/2	3,100.68
3/4	22.48	3/4	358.02	3/4	701.75	3/4	1,045.48	3/4	1,389.21	3/4	1,732.93	3/4	2,076.66	3/4	2,420.39	3/4	2,764.12	3/4	3,107.85
1	26.57	1	365.18	1	708.91	1	1,052.64	1	1,396.37	1	1,740.09	1	2,083.82	1	2,427.55	1	2,771.28	1	3,115.01
1/4	32.45	1/4	372.34	1/4	716.07	1/4	1,059.80	1/4	1,403.53	1/4	1,747.25	1/4	2,090.98	1/4	2,434.71	1/4	2,778.44	1/4	3,122.17
1/2	38.34	1/2	379.51	1/2	723.23	1/2	1,066.96	1/2	1,410.69	1/2	1,754.42	1/2	2,098.15	1/2	2,441.87	1/2	2,785.60	1/2	3,129.33
3/4	44.22	3/4	386.67	3/4	730.39	3/4	1,074.12	3/4	1,417.85	3/4	1,761.58	3/4	2,105.31	3/4	2,449.03	3/4	2,792.76	3/4	3,136.49
2	50.10	2	393.83	2	737.55	2	1,081.28	2	1,425.01	2	1,768.74	2	2,112.47	2	2,456.19	2	2,799.92	2	3,143.65
1/4	57.26	1/4	400.99	1/4	744.71	1/4	1,088.44	1/4	1,432.17	1/4	1,775.90	1/4	2,119.63	1/4	2,463.35	1/4	2,807.08	1/4	3,150.81
1/2	64.42	1/2	408.15	1/2	751.88	1/2	1,095.61	1/2	1,439.33	1/2	1,783.06	1/2	2,126.79	1/2	2,470.51	1/2	2,814.24	1/2	3,157.97
3/4	71.58	3/4	415.31	3/4	759.04	3/4	1,102.77	3/4	1,446.49	3/4	1,790.22	3/4	2,133.95	3/4	2,477.68	3/4	2,821.41	3/4	3,165.13
3	78.74	3	422.47	3	766.20	3	1,109.93	3	1,453.65	3	1,797.38	3	2,141.11	3	2,484.84	3	2,828.57	3	3,172.29
1/4	85.90	1/4	429.63	1/4	773.36	1/4	1,117.09	1/4	1,460.81	1/4	1,804.54	1/4	2,148.27	1/4	2,492.00	1/4	2,835.73	1/4	3,179.45
1/2	93.07	1/2	436.79	1/2	780.52	1/2	1,124.25	1/2	1,467.98	1/2	1,811.71	1/2	2,155.43	1/2	2,499.16	1/2	2,842.89	1/2	3,186.61
3/4	100.23	3/4	443.95	3/4	787.68	3/4	1,131.41	3/4	1,475.14	3/4	1,818.87	3/4	2,162.59	3/4	2,506.32	3/4	2,850.05	3/4	3,193.78
4	107.39	4	451.11	4	794.84	4	1,138.57	4	1,482.30	4	1,826.03	4	2,169.75	4	2,513.48	4	2,857.21	4	3,200.94
1/4	114.55	1/4	458.27	1/4	802.00	1/4	1,145.73	1/4	1,489.46	1/4	1,833.19	1/4	2,176.91	1/4	2,520.64	1/4	2,864.37	1/4	3,208.10
1/2	121.71	1/2	465.44	1/2	809.17	1/2	1,152.89	1/2	1,496.62	1/2	1,840.35	1/2	2,184.08	1/2	2,527.80	1/2	2,871.53	1/2	3,215.26
3/4	128.87	3/4	472.60	3/4	816.33	3/4	1,160.05	3/4	1,503.78	3/4	1,847.51	3/4	2,191.24	3/4	2,534.97	3/4	2,878.69	3/4	3,222.42
5	136.03	5	479.76	5	823.49	5	1,167.21	5	1,510.94	5	1,854.67	5	2,198.40	5	2,542.13	5	2,885.85	5	3,229.58
1/4	143.19	1/4	486.92	1/4	830.65	1/4	1,174.37	1/4	1,518.10	1/4	1,861.83	1/4	2,205.56	1/4	2,549.29	1/4	2,893.01	1/4	3,236.74
1/2	150.35	1/2	494.08	1/2	837.81	1/2	1,181.54	1/2	1,525.27	1/2	1,868.99	1/2	2,212.72	1/2	2,556.45	1/2	2,900.17	1/2	3,243.90
3/4	157.51	3/4	501.24	3/4	844.97	3/4	1,188.70	3/4	1,532.43	3/4	1,876.15	3/4	2,219.88	3/4	2,563.61	3/4	2,907.34	3/4	3,251.07
6	164.67	6	508.40	6	852.13	6	1,195.86	6	1,539.59	6	1,883.31	6	2,227.04	6	2,570.77	6	2,914.50	6	3,258.23
1/4	171.83	1/4	515.56	1/4	859.29	1/4	1,203.02	1/4	1,546.75	1/4	1,890.47	1/4	2,234.20	1/4	2,577.93	1/4	2,921.66	1/4	3,265.39
1/2	179.00	1/2	522.73	1/2	866.45	1/2	1,210.18	1/2	1,553.91	1/2	1,897.64	1/2	2,241.37	1/2	2,585.09	1/2	2,928.82	1/2	3,272.55
3/4	186.16	3/4	529.89	3/4	873.61	3/4	1,217.34	3/4	1,561.07	3/4	1,904.80	3/4	2,248.53	3/4	2,592.25	3/4	2,935.98	3/4	3,279.71
7	193.32	7	537.05	7	880.77	7	1,224.50	7	1,568.23	7	1,911.96	7	2,255.69	7	2,599.41	7	2,943.14	7	3,286.87
1/4	200.48	1/4	544.21	1/4	887.93	1/4	1,231.66	1/4	1,575.39	1/4	1,919.12	1/4	2,262.85	1/4	2,606.57	1/4	2,950.30	1/4	3,294.03
1/2	207.64	1/2	551.37	1/2	895.10	1/2	1,238.83	1/2	1,582.55	1/2	1,926.28	1/2	2,270.01	1/2	2,613.73	1/2	2,957.46	1/2	3,301.19
3/4	214.80	3/4	558.53	3/4	902.26	3/4	1,245.99	3/4	1,589.71	3/4	1,933.44	3/4	2,277.17	3/4	2,620.90	3/4	2,964.63	3/4	3,308.35
8	221.96	8	565.69	8	909.42	8	1,253.15	8	1,596.87	8	1,940.60	8	2,284.33	8	2,628.06	8	2,971.79	8	3,315.51
1/4	229.12	1/4	572.85	1/4	916.58	1/4	1,260.31	1/4	1,604.03	1/4	1,947.76	1/4	2,291.49	1/4	2,635.22	1/4	2,978.95	1/4	3,322.67
1/2	236.29	1/2	580.01	1/2	923.74	1/2	1,267.47	1/2	1,611.20	1/2	1,954.93	1/2	2,298.65	1/2	2,642.38	1/2	2,986.11	1/2	3,329.83
3/4	243.45	3/4	587.17	3/4	930.90	3/4	1,274.63	3/4	1,618.36	3/4	1,962.09	3/4	2,305.81	3/4	2,649.54	3/4	2,993.27	3/4	3,337.00
9	250.61	9	594.33	9	938.06	9	1,281.79	9	1,625.52	9	1,969.25	9	2,312.97	9	2,656.70	9	3,000.43	9	3,344.16
1/4	257.77	1/4	601.49	1/4	945.22	1/4	1,288.95	1/4	1,632.68	1/4	1,976.41	1/4	2,320.13	1/4	2,663.86	1/4	3,007.59	1/4	3,351.32
1/2	264.93	1/2	608.66	1/2	952.39	1/2	1,296.11	1/2	1,639.84	1/2	1,983.57	1/2	2,327.30	1/2	2,671.02	1/2	3,014.75	1/2	3,358.48
3/4	272.09	3/4	615.82	3/4	959.55	3/4	1,303.27	3/4	1,647.00	3/4	1,990.73	3/4	2,334.46	3/4	2,678.19	3/4	3,021.91	3/4	3,365.64
10	279.25	10	622.98	10	966.71	10	1,310.43	10	1,654.16	10	1,997.89	10	2,341.62	10	2,685.35	10	3,029.07	10	3,372.80
1/4	286.41	1/4	630.14	1/4	973.87	1/4	1,317.59	1/4	1,661.32	1/4	2,005.05	1/4	2,348.78	1/4	2,692.51	1/4	3,036.23	1/4	3,379.96
1/2	293.57	1/2	637.30	1/2	981.03	1/2	1,324.76	1/2	1,668.49	1/2	2,012.21	1/2	2,355.94	1/2	2,699.67	1/2	3,043.39	1/2	3,387.12
3/4	300.73	3/4	644.46	3/4	988.19	3/4	1,331.92	3/4	1,675.65	3/4	2,019.37	3/4	2,363.10	3/4	2,706.83	3/4	3,050.56	3/4	3,394.29
11	307.89	11	651.62	11	995.35	11	1,339.08	11	1,682.81	11	2,026.53	11	2,370.26	11	2,713.99	11	3,057.72	11	3,401.45
1/4	315.05	1/4	658.78	1/4	1,002.51	1/4	1,346.24	1/4	1,689.97	1/4	2,033.69	1/4	2,377.42	1/4	2,721.15	1/4	3,064.88	1/4	3,408.61
1/2	322.22	1/2	665.95	1/2	1,009.67	1/2	1,353.40	1/2	1,697.13	1/2	2,040.86	1/2	2,384.59	1/2	2,728.31	1/2	3,072.04	1/2	3,415.77
3/4	329.38	3/4	673.11	3/4	1,016.83	3/4	1,360.56	3/4	1,704.29	3/4	2,048.02	3/4	2,391.75	3/4	2,735.47	3/4	3,079.20	3/4	3,422.93

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED 11'-00" OFF CENTERLINE AND 41'-06" FORWARD OF AFT BULKHEAD.

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





# BARGE "MM 136"

## 2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-05 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	3,430.09	0	3,773.82	0	4,117.55	0	4,461.27	0	4,802.80	0		0		0		0		0	
1/4	3,437.25	1/4	3,780.98	1/4	4,124.71	1/4	4,468.43	1/4	4,809.64	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,444.41	1/2	3,788.14	1/2	4,131.87	1/2	4,475.59	1/2	4,816.49	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,451.57	3/4	3,795.30	3/4	4,139.03	3/4	4,482.76	3/4	4,823.33	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	3,458.73	1	3,802.46	1	4,146.19	1	4,489.92	1	4,830.18	1	1	1	1	1	1	1	1	1	1
1/4	3,465.89	1/4	3,809.62	1/4	4,153.35	1/4	4,497.03	1/4	4,836.25	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,473.05	1/2	3,816.78	1/2	4,160.51	1/2	4,504.14	1/2	4,842.33	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,480.22	3/4	3,823.95	3/4	4,167.67	3/4	4,511.25	3/4	4,848.40	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	3,487.38	2	3,831.11	2	4,174.83	2	4,518.36	2	4,854.48	2	2	2	2	2	2	2	2	2	2
1/4	3,494.54	1/4	3,838.27	1/4	4,181.99	1/4	4,525.47	1/4	4,859.52	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,501.70	1/2	3,845.43	1/2	4,189.15	1/2	4,532.58	1/2	4,864.55	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,508.86	3/4	3,852.59	3/4	4,196.32	3/4	4,539.70	3/4	4,869.59	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3,516.02	3	3,859.75	3	4,203.48	3	4,546.81	3	4,874.63	3	3	3	3	3	3	3	3	3	3
1/4	3,523.18	1/4	3,866.91	1/4	4,210.64	1/4	4,553.92	1/4	4,878.60	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,530.34	1/2	3,874.07	1/2	4,217.80	1/2	4,561.03	1/2	4,882.58	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,537.51	3/4	3,881.23	3/4	4,224.96	3/4	4,568.14	3/4	4,886.55	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	3,544.67	4	3,888.39	4	4,232.12	4	4,575.25	4	4,890.53	4	4	4	4	4	4	4	4	4	4
1/4	3,551.83	1/4	3,895.55	1/4	4,239.28	1/4	4,582.36	1/4	4,893.44	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,558.99	1/2	3,902.71	1/2	4,246.44	1/2	4,589.47	1/2	4,896.36	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,566.15	3/4	3,909.88	3/4	4,253.61	3/4	4,596.58	3/4	4,899.27	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	3,573.31	5	3,917.04	5	4,260.77	5	4,603.69	5	4,902.19	5	5	5	5	5	5	5	5	5	5
1/4	3,580.47	1/4	3,924.20	1/4	4,267.93	1/4	4,610.80	1/4	4,904.04	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,587.63	1/2	3,931.36	1/2	4,275.09	1/2	4,617.91	1/2	4,905.89	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,594.79	3/4	3,938.52	3/4	4,282.25	3/4	4,625.03	3/4	4,907.75	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	3,601.95	6	3,945.68	6	4,289.41	6	4,632.14	6	4,909.60	6	6	6	6	6	6	6	6	6	6
1/4	3,609.11	1/4	3,952.84	1/4	4,296.57	1/4	4,639.25	1/4	4,910.46	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,616.27	1/2	3,960.00	1/2	4,303.73	1/2	4,646.36	1/2	4,911.32	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,623.44	3/4	3,967.17	3/4	4,310.89	3/4	4,653.47	3/4	4,912.18	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	3,630.60	7	3,974.33	7	4,318.05	7	4,660.58	7	4,913.04	7	7	7	7	7	7	7	7	7	7
1/4	3,637.76	1/4	3,981.49	1/4	4,325.21	1/4	4,667.69	1/4	4,913.43	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,644.92	1/2	3,988.65	1/2	4,332.37	1/2	4,674.80	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,652.08	3/4	3,995.81	3/4	4,339.54	3/4	4,681.92	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	3,659.24	8	4,002.97	8	4,346.70	8	4,689.03	8		8	8	8	8	8	8	8	8	8	8
1/4	3,666.40	1/4	4,010.13	1/4	4,353.86	1/4	4,696.14	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,673.56	1/2	4,017.29	1/2	4,361.02	1/2	4,703.25	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,680.73	3/4	4,024.45	3/4	4,368.18	3/4	4,710.36	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	3,687.89	9	4,031.61	9	4,375.34	9	4,717.47	9		9	9	9	9	9	9	9	9	9	9
1/4	3,695.05	1/4	4,038.77	1/4	4,382.50	1/4	4,724.58	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,702.21	1/2	4,045.93	1/2	4,389.66	1/2	4,731.69	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,709.37	3/4	4,053.10	3/4	4,396.83	3/4	4,738.80	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	3,716.53	10	4,060.26	10	4,403.99	10	4,745.91	10		10	10	10	10	10	10	10	10	10	10
1/4	3,723.69	1/4	4,067.42	1/4	4,411.15	1/4	4,753.02	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,730.85	1/2	4,074.58	1/2	4,418.31	1/2	4,760.13	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,738.01	3/4	4,081.74	3/4	4,425.47	3/4	4,767.25	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	3,745.17	11	4,088.90	11	4,432.63	11	4,774.36	11		11	11	11	11	11	11	11	11	11	11
1/4	3,752.33	1/4	4,096.06	1/4	4,439.79	1/4	4,781.47	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,759.49	1/2	4,103.22	1/2	4,446.95	1/2	4,788.58	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,766.66	3/4	4,110.39	3/4	4,454.11	3/4	4,795.69	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: 07/21/2014 SW  
DECK MEASUREMENTS: 07/25/2014 SW  
PRINTED: 07/25/2014 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2014

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



# BARGE "MM 136"

## 3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-05"

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	14.04	0	364.39	0	728.64	0	1,091.91	0	1,456.62	0	1,821.32	0	2,186.02	0	2,550.73	0	2,915.43	0	3,280.14
1/4	18.92	1/4	371.98	1/4	736.20	1/4	1,099.51	1/4	1,464.22	1/4	1,828.92	1/4	2,193.62	1/4	2,558.33	1/4	2,923.03	1/4	3,287.74
1/2	23.80	1/2	379.58	1/2	743.77	1/2	1,107.11	1/2	1,471.82	1/2	1,836.52	1/2	2,201.22	1/2	2,565.93	1/2	2,930.62	1/2	3,295.33
3/4	28.68	3/4	387.17	3/4	751.34	3/4	1,114.70	3/4	1,479.41	3/4	1,844.11	3/4	2,208.82	3/4	2,573.52	3/4	2,938.22	3/4	3,302.93
1	33.56	1	394.76	1	758.90	1	1,122.30	1	1,487.01	1	1,851.71	1	2,216.42	1	2,581.12	1	2,945.82	1	3,310.53
1/4	40.34	1/4	402.35	1/4	766.46	1/4	1,129.90	1/4	1,494.61	1/4	1,859.31	1/4	2,224.02	1/4	2,588.72	1/4	2,953.42	1/4	3,318.13
1/2	47.12	1/2	409.95	1/2	774.03	1/2	1,137.50	1/2	1,502.21	1/2	1,866.91	1/2	2,231.62	1/2	2,596.32	1/2	2,961.02	1/2	3,325.72
3/4	53.89	3/4	417.54	3/4	781.59	3/4	1,145.10	3/4	1,509.80	3/4	1,874.50	3/4	2,239.21	3/4	2,603.91	3/4	2,968.62	3/4	3,333.32
2	60.67	2	425.13	2	789.15	2	1,152.70	2	1,517.40	2	1,882.10	2	2,246.81	2	2,611.51	2	2,976.22	2	3,340.92
1/4	68.26	1/4	432.73	1/4	796.71	1/4	1,160.30	1/4	1,525.00	1/4	1,889.70	1/4	2,254.41	1/4	2,619.11	1/4	2,983.82	1/4	3,348.52
1/2	75.86	1/2	440.32	1/2	804.28	1/2	1,167.90	1/2	1,532.60	1/2	1,897.30	1/2	2,262.01	1/2	2,626.71	1/2	2,991.41	1/2	3,356.11
3/4	83.45	3/4	447.92	3/4	811.84	3/4	1,175.49	3/4	1,540.19	3/4	1,904.90	3/4	2,269.60	3/4	2,634.30	3/4	2,999.01	3/4	3,363.71
3	91.04	3	455.51	3	819.40	3	1,183.09	3	1,547.79	3	1,912.50	3	2,277.20	3	2,641.90	3	3,006.61	3	3,371.31
1/4	98.63	1/4	463.10	1/4	826.96	1/4	1,190.69	1/4	1,555.39	1/4	1,920.10	1/4	2,284.80	1/4	2,649.50	1/4	3,014.21	1/4	3,378.91
1/2	106.23	1/2	470.70	1/2	834.53	1/2	1,198.29	1/2	1,562.99	1/2	1,927.70	1/2	2,292.40	1/2	2,657.10	1/2	3,021.80	1/2	3,386.50
3/4	113.82	3/4	478.29	3/4	842.09	3/4	1,205.88	3/4	1,570.58	3/4	1,935.29	3/4	2,299.99	3/4	2,664.70	3/4	3,029.40	3/4	3,394.10
4	121.41	4	485.88	4	849.65	4	1,213.48	4	1,578.18	4	1,942.89	4	2,307.59	4	2,672.30	4	3,037.00	4	3,401.70
1/4	129.01	1/4	493.47	1/4	857.21	1/4	1,221.08	1/4	1,585.78	1/4	1,950.49	1/4	2,315.19	1/4	2,679.90	1/4	3,044.60	1/4	3,409.30
1/2	136.60	1/2	501.07	1/2	864.78	1/2	1,228.68	1/2	1,593.38	1/2	1,958.09	1/2	2,322.79	1/2	2,687.49	1/2	3,052.19	1/2	3,416.90
3/4	144.20	3/4	508.66	3/4	872.34	3/4	1,236.27	3/4	1,600.98	3/4	1,965.68	3/4	2,330.38	3/4	2,695.09	3/4	3,059.79	3/4	3,424.50
5	151.79	5	516.25	5	879.90	5	1,243.87	5	1,608.58	5	1,973.28	5	2,337.98	5	2,702.69	5	3,067.39	5	3,432.10
1/4	159.38	1/4	523.84	1/4	887.46	1/4	1,251.47	1/4	1,616.18	1/4	1,980.88	1/4	2,345.58	1/4	2,710.29	1/4	3,074.99	1/4	3,439.70
1/2	166.98	1/2	531.43	1/2	895.03	1/2	1,259.07	1/2	1,623.78	1/2	1,988.48	1/2	2,353.18	1/2	2,717.88	1/2	3,082.58	1/2	3,447.29
3/4	174.57	3/4	539.03	3/4	902.59	3/4	1,266.66	3/4	1,631.37	3/4	1,996.07	3/4	2,360.78	3/4	2,725.48	3/4	3,090.18	3/4	3,454.89
6	182.16	6	546.62	6	910.15	6	1,274.26	6	1,638.97	6	2,003.67	6	2,368.38	6	2,733.08	6	3,097.78	6	3,462.49
1/4	189.75	1/4	554.21	1/4	917.72	1/4	1,281.84	1/4	1,646.57	1/4	2,011.27	1/4	2,375.98	1/4	2,740.68	1/4	3,105.38	1/4	3,469.92
1/2	197.35	1/2	561.80	1/2	925.28	1/2	1,289.41	1/2	1,654.17	1/2	2,018.87	1/2	2,383.58	1/2	2,748.27	1/2	3,112.98	1/2	3,477.35
3/4	204.94	3/4	569.40	3/4	932.85	3/4	1,296.99	3/4	1,661.76	3/4	2,026.46	3/4	2,391.17	3/4	2,755.87	3/4	3,120.58	3/4	3,484.78
7	212.53	7	576.99	7	940.41	7	1,304.56	7	1,669.36	7	2,034.06	7	2,398.77	7	2,763.47	7	3,128.18	7	3,492.21
1/4	220.12	1/4	584.58	1/4	947.97	1/4	1,312.18	1/4	1,676.96	1/4	2,041.66	1/4	2,406.37	1/4	2,771.07	1/4	3,135.78	1/4	3,499.29
1/2	227.72	1/2	592.18	1/2	955.54	1/2	1,319.81	1/2	1,684.56	1/2	2,049.26	1/2	2,413.97	1/2	2,778.66	1/2	3,143.37	1/2	3,506.38
3/4	235.31	3/4	599.77	3/4	963.10	3/4	1,327.43	3/4	1,692.15	3/4	2,056.86	3/4	2,421.56	3/4	2,786.26	3/4	3,150.97	3/4	3,513.46
8	242.90	8	607.37	8	970.66	8	1,335.05	8	1,699.75	8	2,064.46	8	2,429.16	8	2,793.86	8	3,158.57	8	3,520.55
1/4	250.49	1/4	614.96	1/4	978.22	1/4	1,342.65	1/4	1,707.35	1/4	2,072.06	1/4	2,436.76	1/4	2,801.46	1/4	3,166.17	1/4	3,527.29
1/2	258.09	1/2	622.55	1/2	985.79	1/2	1,350.25	1/2	1,714.95	1/2	2,079.66	1/2	2,444.36	1/2	2,809.06	1/2	3,173.76	1/2	3,534.03
3/4	265.68	3/4	630.15	3/4	993.35	3/4	1,357.84	3/4	1,722.54	3/4	2,087.25	3/4	2,451.95	3/4	2,816.66	3/4	3,181.36	3/4	3,540.77
9	273.27	9	637.74	9	1,000.91	9	1,365.44	9	1,730.14	9	2,094.85	9	2,459.55	9	2,824.26	9	3,188.96	9	3,547.51
1/4	280.87	1/4	645.33	1/4	1,008.47	1/4	1,373.04	1/4	1,737.74	1/4	2,102.45	1/4	2,467.15	1/4	2,831.86	1/4	3,196.56	1/4	3,553.90
1/2	288.46	1/2	652.92	1/2	1,016.04	1/2	1,380.64	1/2	1,745.34	1/2	2,110.05	1/2	2,474.75	1/2	2,839.45	1/2	3,204.15	1/2	3,560.29
3/4	296.06	3/4	660.52	3/4	1,023.60	3/4	1,388.23	3/4	1,752.94	3/4	2,117.64	3/4	2,482.34	3/4	2,847.05	3/4	3,211.75	3/4	3,566.69
10	303.65	10	668.11	10	1,031.16	10	1,395.83	10	1,760.54	10	2,125.24	10	2,489.94	10	2,854.65	10	3,219.35	10	3,573.08
1/4	311.24	1/4	675.68	1/4	1,038.75	1/4	1,403.43	1/4	1,768.14	1/4	2,132.84	1/4	2,497.54	1/4	2,862.25	1/4	3,226.95	1/4	3,579.13
1/2	318.84	1/2	683.25	1/2	1,046.34	1/2	1,411.03	1/2	1,775.74	1/2	2,140.44	1/2	2,505.14	1/2	2,869.84	1/2	3,234.54	1/2	3,585.18
3/4	326.43	3/4	690.82	3/4	1,053.93	3/4	1,418.62	3/4	1,783.33	3/4	2,148.03	3/4	2,512.74	3/4	2,877.44	3/4	3,242.14	3/4	3,591.23
11	334.02	11	698.39	11	1,061.52	11	1,426.22	11	1,790.93	11	2,155.63	11	2,520.34	11	2,885.04	11	3,249.74	11	3,597.28
1/4	341.61	1/4	705.95	1/4	1,069.12	1/4	1,433.82	1/4	1,798.53	1/4	2,163.23	1/4	2,527.94	1/4	2,892.64	1/4	3,257.34	1/4	3,602.98
1/2	349.21	1/2	713.51	1/2	1,076.72	1/2	1,441.42	1/2	1,806.13	1/2	2,170.83	1/2	2,535.54	1/2	2,900.23	1/2	3,264.94	1/2	3,608.68
3/4	356.80	3/4	721.08	3/4	1,084.31	3/4	1,449.02	3/4	1,813.72	3/4	2,178.42	3/4	2,543.13	3/4	2,907.83	3/4	3,272.54	3/4	3,614.39

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED 11'-00" 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 "MM 136"

## 3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-05"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	3,620.09	0	3,873.49	0	4,126.49	0	4,379.50	0	4,632.51	0		0		0		0		0	
1/4	3,625.46	1/4	3,878.76	1/4	4,131.76	1/4	4,384.77	1/4	4,637.49	1/4		1/4		1/4		1/4		1/4	
1/2	3,630.82	1/2	3,884.03	1/2	4,137.03	1/2	4,390.04	1/2	4,642.47	1/2		1/2		1/2		1/2		1/2	
3/4	3,636.19	3/4	3,889.30	3/4	4,142.31	3/4	4,395.32	3/4	4,647.44	3/4		3/4		3/4		3/4		3/4	
1	3,641.56	1	3,894.57	1	4,147.58	1	4,400.59	1	4,652.42	1		1		1		1		1	
1/4	3,646.83	1/4	3,899.84	1/4	4,152.85	1/4	4,405.86	1/4	4,656.72	1/4		1/4		1/4		1/4		1/4	
1/2	3,652.10	1/2	3,905.11	1/2	4,158.12	1/2	4,411.13	1/2	4,661.01	1/2		1/2		1/2		1/2		1/2	
3/4	3,657.38	3/4	3,910.38	3/4	4,163.39	3/4	4,416.40	3/4	4,665.31	3/4		3/4		3/4		3/4		3/4	
2	3,662.65	2	3,915.65	2	4,168.66	2	4,421.67	2	4,669.60	2		2		2		2		2	
1/4	3,667.92	1/4	3,920.92	1/4	4,173.93	1/4	4,426.94	1/4	4,673.11	1/4		1/4		1/4		1/4		1/4	
1/2	3,673.19	1/2	3,926.19	1/2	4,179.20	1/2	4,432.21	1/2	4,676.62	1/2		1/2		1/2		1/2		1/2	
3/4	3,678.46	3/4	3,931.47	3/4	4,184.48	3/4	4,437.48	3/4	4,680.13	3/4		3/4		3/4		3/4		3/4	
3	3,683.73	3	3,936.74	3	4,189.75	3	4,442.75	3	4,683.64	3		3		3		3		3	
1/4	3,689.00	1/4	3,942.01	1/4	4,195.02	1/4	4,448.02	1/4	4,686.37	1/4		1/4		1/4		1/4		1/4	
1/2	3,694.27	1/2	3,947.28	1/2	4,200.29	1/2	4,453.30	1/2	4,689.11	1/2		1/2		1/2		1/2		1/2	
3/4	3,699.54	3/4	3,952.55	3/4	4,205.56	3/4	4,458.57	3/4	4,691.84	3/4		3/4		3/4		3/4		3/4	
4	3,704.81	4	3,957.82	4	4,210.83	4	4,463.84	4	4,694.57	4		4		4		4		4	
1/4	3,710.08	1/4	3,963.09	1/4	4,216.10	1/4	4,469.11	1/4	4,696.52	1/4		1/4		1/4		1/4		1/4	
1/2	3,715.35	1/2	3,968.36	1/2	4,221.37	1/2	4,474.38	1/2	4,698.47	1/2		1/2		1/2		1/2		1/2	
3/4	3,720.63	3/4	3,973.64	3/4	4,226.64	3/4	4,479.65	3/4	4,700.42	3/4		3/4		3/4		3/4		3/4	
5	3,725.90	5	3,978.91	5	4,231.91	5	4,484.92	5	4,702.37	5		5		5		5		5	
1/4	3,731.17	1/4	3,984.18	1/4	4,237.18	1/4	4,490.19	1/4	4,703.54	1/4		1/4		1/4		1/4		1/4	
1/2	3,736.44	1/2	3,989.45	1/2	4,242.45	1/2	4,495.47	1/2	4,704.71	1/2		1/2		1/2		1/2		1/2	
3/4	3,741.71	3/4	3,994.72	3/4	4,247.73	3/4	4,500.74	3/4	4,705.87	3/4		3/4		3/4		3/4		3/4	
6	3,746.98	6	3,999.99	6	4,253.00	6	4,506.01	6	4,707.04	6		6		6		6		6	
1/4	3,752.25	1/4	4,005.26	1/4	4,258.27	1/4	4,511.28	1/4	4,707.50	1/4		1/4		1/4		1/4		1/4	
1/2	3,757.52	1/2	4,010.53	1/2	4,263.54	1/2	4,516.55	1/2	4,707.96	1/2		1/2		1/2		1/2		1/2	
3/4	3,762.80	3/4	4,015.80	3/4	4,268.81	3/4	4,521.82	3/4	4,708.42	3/4		3/4		3/4		3/4		3/4	
7	3,768.07	7	4,021.07	7	4,274.08	7	4,527.09	7	4,708.88	7		7		7		7		7	
1/4	3,773.34	1/4	4,026.34	1/4	4,279.35	1/4	4,532.36	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,778.61	1/2	4,031.61	1/2	4,284.62	1/2	4,537.63	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,783.88	3/4	4,036.89	3/4	4,289.90	3/4	4,542.90	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,789.15	8	4,042.16	8	4,295.17	8	4,548.17	8		8		8		8		8		8	
1/4	3,794.42	1/4	4,047.43	1/4	4,300.44	1/4	4,553.44	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,799.69	1/2	4,052.70	1/2	4,305.71	1/2	4,558.72	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,804.96	3/4	4,057.97	3/4	4,310.98	3/4	4,563.99	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,810.23	9	4,063.24	9	4,316.25	9	4,569.26	9		9		9		9		9		9	
1/4	3,815.50	1/4	4,068.51	1/4	4,321.52	1/4	4,574.53	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,820.77	1/2	4,073.78	1/2	4,326.79	1/2	4,579.80	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,826.05	3/4	4,079.06	3/4	4,332.06	3/4	4,585.07	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,831.32	10	4,084.33	10	4,337.33	10	4,590.34	10		10		10		10		10		10	
1/4	3,836.59	1/4	4,089.60	1/4	4,342.60	1/4	4,595.61	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,841.86	1/2	4,094.87	1/2	4,347.87	1/2	4,600.89	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,847.13	3/4	4,100.14	3/4	4,353.15	3/4	4,606.16	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,852.40	11	4,105.41	11	4,358.42	11	4,611.43	11		11		11		11		11		11	
1/4	3,857.67	1/4	4,110.68	1/4	4,363.69	1/4	4,616.70	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,862.94	1/2	4,115.95	1/2	4,368.96	1/2	4,621.97	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,868.22	3/4	4,121.22	3/4	4,374.23	3/4	4,627.24	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/21/2014 SW  
DECK MEASUREMENTS: 07/25/2014 SW  
PRINTED: 07/25/2014 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2014

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



# BARGE "MM 136"

# 3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-05"

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	14.04	0	364.39	0	728.64	0	1,091.91	0	1,456.62	0	1,821.32	0	2,186.02	0	2,550.73	0	2,915.43	0	3,280.14
1/4	18.92	1/4	371.98	1/4	736.20	1/4	1,099.51	1/4	1,464.22	1/4	1,828.92	1/4	2,193.62	1/4	2,558.33	1/4	2,923.03	1/4	3,287.74
1/2	23.80	1/2	379.58	1/2	743.77	1/2	1,107.11	1/2	1,471.82	1/2	1,836.52	1/2	2,201.22	1/2	2,565.93	1/2	2,930.62	1/2	3,295.33
3/4	28.68	3/4	387.17	3/4	751.34	3/4	1,114.70	3/4	1,479.41	3/4	1,841.11	3/4	2,208.82	3/4	2,573.52	3/4	2,938.22	3/4	3,302.93
1	33.56	1	394.76	1	758.90	1	1,122.30	1	1,487.01	1	1,851.71	1	2,216.42	1	2,581.12	1	2,945.82	1	3,310.53
1/4	40.34	1/4	402.35	1/4	766.46	1/4	1,129.90	1/4	1,494.61	1/4	1,859.31	1/4	2,224.02	1/4	2,588.72	1/4	2,953.42	1/4	3,318.13
1/2	47.12	1/2	409.95	1/2	774.03	1/2	1,137.50	1/2	1,502.21	1/2	1,866.91	1/2	2,231.62	1/2	2,596.32	1/2	2,961.02	1/2	3,325.72
3/4	53.89	3/4	417.54	3/4	781.59	3/4	1,145.10	3/4	1,509.80	3/4	1,874.50	3/4	2,239.21	3/4	2,603.91	3/4	2,968.62	3/4	3,333.32
2	60.67	2	425.13	2	789.15	2	1,152.70	2	1,517.40	2	1,882.10	2	2,246.81	2	2,611.51	2	2,976.22	2	3,340.92
1/4	68.26	1/4	432.73	1/4	796.71	1/4	1,160.30	1/4	1,525.00	1/4	1,889.70	1/4	2,254.41	1/4	2,619.11	1/4	2,983.82	1/4	3,348.52
1/2	75.86	1/2	440.32	1/2	804.28	1/2	1,167.90	1/2	1,532.60	1/2	1,897.30	1/2	2,262.01	1/2	2,626.71	1/2	2,991.41	1/2	3,356.11
3/4	83.45	3/4	447.92	3/4	811.84	3/4	1,175.49	3/4	1,540.19	3/4	1,904.90	3/4	2,269.60	3/4	2,634.30	3/4	2,999.01	3/4	3,363.71
3	91.04	3	455.51	3	819.40	3	1,183.09	3	1,547.79	3	1,912.50	3	2,277.20	3	2,641.90	3	3,006.61	3	3,371.31
1/4	98.63	1/4	463.10	1/4	826.96	1/4	1,190.69	1/4	1,555.39	1/4	1,920.10	1/4	2,284.80	1/4	2,649.50	1/4	3,014.21	1/4	3,378.91
1/2	106.23	1/2	470.70	1/2	834.53	1/2	1,198.29	1/2	1,562.99	1/2	1,927.70	1/2	2,292.40	1/2	2,657.10	1/2	3,021.80	1/2	3,386.50
3/4	113.82	3/4	478.29	3/4	842.09	3/4	1,205.88	3/4	1,570.58	3/4	1,935.29	3/4	2,299.99	3/4	2,664.70	3/4	3,029.40	3/4	3,394.10
4	121.41	4	485.88	4	849.65	4	1,213.48	4	1,578.18	4	1,942.89	4	2,307.59	4	2,672.30	4	3,037.00	4	3,401.70
1/4	129.01	1/4	493.47	1/4	857.21	1/4	1,221.08	1/4	1,585.78	1/4	1,950.49	1/4	2,315.19	1/4	2,679.90	1/4	3,044.60	1/4	3,409.30
1/2	136.60	1/2	501.07	1/2	864.78	1/2	1,228.68	1/2	1,593.38	1/2	1,958.09	1/2	2,322.79	1/2	2,687.49	1/2	3,052.19	1/2	3,416.90
3/4	144.20	3/4	508.66	3/4	872.34	3/4	1,236.27	3/4	1,600.98	3/4	1,965.68	3/4	2,330.38	3/4	2,695.09	3/4	3,059.79	3/4	3,424.50
5	151.79	5	516.25	5	879.90	5	1,243.87	5	1,608.58	5	1,973.28	5	2,337.98	5	2,702.69	5	3,067.39	5	3,432.10
1/4	159.38	1/4	523.84	1/4	887.46	1/4	1,251.47	1/4	1,616.18	1/4	1,980.88	1/4	2,345.58	1/4	2,710.29	1/4	3,074.99	1/4	3,439.70
1/2	166.98	1/2	531.43	1/2	895.03	1/2	1,259.07	1/2	1,623.78	1/2	1,988.48	1/2	2,353.18	1/2	2,717.88	1/2	3,082.58	1/2	3,447.29
3/4	174.57	3/4	539.03	3/4	902.59	3/4	1,266.66	3/4	1,631.37	3/4	1,996.07	3/4	2,360.78	3/4	2,725.48	3/4	3,090.18	3/4	3,454.89
6	182.16	6	546.62	6	910.15	6	1,274.26	6	1,638.97	6	2,003.67	6	2,368.38	6	2,733.08	6	3,097.78	6	3,462.49
1/4	189.75	1/4	554.21	1/4	917.72	1/4	1,281.84	1/4	1,646.57	1/4	2,011.27	1/4	2,375.98	1/4	2,740.68	1/4	3,105.38	1/4	3,469.92
1/2	197.35	1/2	561.80	1/2	925.28	1/2	1,289.41	1/2	1,654.17	1/2	2,018.87	1/2	2,383.58	1/2	2,748.27	1/2	3,112.98	1/2	3,477.35
3/4	204.94	3/4	569.40	3/4	932.85	3/4	1,296.99	3/4	1,661.76	3/4	2,026.46	3/4	2,391.17	3/4	2,755.87	3/4	3,120.58	3/4	3,484.78
7	212.53	7	576.99	7	940.41	7	1,304.56	7	1,669.36	7	2,034.06	7	2,398.77	7	2,763.47	7	3,128.18	7	3,492.21
1/4	220.12	1/4	584.58	1/4	947.97	1/4	1,312.18	1/4	1,676.96	1/4	2,041.66	1/4	2,406.37	1/4	2,771.07	1/4	3,135.78	1/4	3,499.29
1/2	227.72	1/2	592.18	1/2	955.54	1/2	1,319.81	1/2	1,684.56	1/2	2,049.26	1/2	2,413.97	1/2	2,778.66	1/2	3,143.37	1/2	3,506.38
3/4	235.31	3/4	599.77	3/4	963.10	3/4	1,327.43	3/4	1,692.15	3/4	2,056.86	3/4	2,421.56	3/4	2,786.26	3/4	3,150.97	3/4	3,513.46
8	242.90	8	607.37	8	970.66	8	1,335.05	8	1,699.75	8	2,064.46	8	2,429.16	8	2,793.86	8	3,158.57	8	3,520.55
1/4	250.49	1/4	614.96	1/4	978.22	1/4	1,342.65	1/4	1,707.35	1/4	2,072.06	1/4	2,436.76	1/4	2,801.46	1/4	3,166.17	1/4	3,527.29
1/2	258.09	1/2	622.55	1/2	985.79	1/2	1,350.25	1/2	1,714.95	1/2	2,079.66	1/2	2,444.36	1/2	2,809.06	1/2	3,173.76	1/2	3,534.03
3/4	265.68	3/4	630.15	3/4	993.35	3/4	1,357.84	3/4	1,722.54	3/4	2,087.25	3/4	2,451.95	3/4	2,816.66	3/4	3,181.36	3/4	3,540.77
9	273.27	9	637.74	9	1,000.91	9	1,365.44	9	1,730.14	9	2,094.85	9	2,459.55	9	2,824.26	9	3,188.96	9	3,547.51
1/4	280.87	1/4	645.33	1/4	1,008.47	1/4	1,373.04	1/4	1,737.74	1/4	2,102.45	1/4	2,467.15	1/4	2,831.86	1/4	3,196.56	1/4	3,553.90
1/2	288.46	1/2	652.92	1/2	1,016.04	1/2	1,380.64	1/2	1,745.34	1/2	2,110.05	1/2	2,474.75	1/2	2,839.45	1/2	3,204.15	1/2	3,560.29
3/4	296.06	3/4	660.52	3/4	1,023.60	3/4	1,388.23	3/4	1,752.94	3/4	2,117.64	3/4	2,482.34	3/4	2,847.05	3/4	3,211.75	3/4	3,566.69
10	303.65	10	668.11	10	1,031.16	10	1,395.83	10	1,760.54	10	2,125.24	10	2,489.94	10	2,854.65	10	3,219.35	10	3,573.08
1/4	311.24	1/4	675.68	1/4	1,038.75	1/4	1,403.43	1/4	1,768.14	1/4	2,132.84	1/4	2,497.54	1/4	2,862.25	1/4	3,226.95	1/4	3,579.13
1/2	318.84	1/2	683.25	1/2	1,046.34	1/2	1,411.03	1/2	1,775.74	1/2	2,140.44	1/2	2,505.14	1/2	2,869.84	1/2	3,234.54	1/2	3,585.18
3/4	326.43	3/4	690.82	3/4	1,053.93	3/4	1,418.62	3/4	1,783.33	3/4	2,148.03	3/4	2,512.74	3/4	2,877.44	3/4	3,242.14	3/4	3,591.23
11	334.02	11	698.39	11	1,061.52	11	1,426.22	11	1,790.93	11	2,155.63	11	2,520.34	11	2,885.04	11	3,249.74	11	3,597.28
1/4	341.61	1/4	705.95	1/4	1,069.12	1/4	1,433.82	1/4	1,798.53	1/4	2,163.23	1/4	2,527.94	1/4	2,892.64	1/4	3,257.34	1/4	3,602.98
1/2	349.21	1/2	713.51	1/2	1,076.72	1/2	1,441.42	1/2	1,806.13	1/2	2,170.83	1/2	2,535.54	1/2	2,900.23	1/2	3,264.94	1/2	3,608.68
3/4	356.80	3/4	721.08	3/4	1,084.31	3/4	1,449.02	3/4	1,813.72	3/4	2,178.42	3/4	2,543.13	3/4	2,907.83	3/4	3,272.54	3/4	3,614.39

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED 11'-00" 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 "MM 136"

## 3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-05"

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	3,620.09	0	3,873.49	0	4,126.49	0	4,379.50	0	4,632.51	0		0		0		0		0	
1/4	3,625.46	1/4	3,878.76	1/4	4,131.76	1/4	4,384.77	1/4	4,637.49	1/4		1/4		1/4		1/4		1/4	
1/2	3,630.82	1/2	3,884.03	1/2	4,137.03	1/2	4,390.04	1/2	4,642.47	1/2		1/2		1/2		1/2		1/2	
3/4	3,636.19	3/4	3,889.30	3/4	4,142.31	3/4	4,395.32	3/4	4,647.44	3/4		3/4		3/4		3/4		3/4	
1	3,641.56	1	3,894.57	1	4,147.58	1	4,400.59	1	4,652.42	1		1		1		1		1	
1/4	3,646.83	1/4	3,899.84	1/4	4,152.85	1/4	4,405.86	1/4	4,656.72	1/4		1/4		1/4		1/4		1/4	
1/2	3,652.10	1/2	3,905.11	1/2	4,158.12	1/2	4,411.13	1/2	4,661.01	1/2		1/2		1/2		1/2		1/2	
3/4	3,657.38	3/4	3,910.38	3/4	4,163.39	3/4	4,416.40	3/4	4,665.31	3/4		3/4		3/4		3/4		3/4	
2	3,662.65	2	3,915.65	2	4,168.66	2	4,421.67	2	4,669.60	2		2		2		2		2	
1/4	3,667.92	1/4	3,920.92	1/4	4,173.93	1/4	4,426.94	1/4	4,673.11	1/4		1/4		1/4		1/4		1/4	
1/2	3,673.19	1/2	3,926.19	1/2	4,179.20	1/2	4,432.21	1/2	4,676.62	1/2		1/2		1/2		1/2		1/2	
3/4	3,678.46	3/4	3,931.47	3/4	4,184.48	3/4	4,437.48	3/4	4,680.13	3/4		3/4		3/4		3/4		3/4	
3	3,683.73	3	3,936.74	3	4,189.75	3	4,442.75	3	4,683.64	3		3		3		3		3	
1/4	3,689.00	1/4	3,942.01	1/4	4,195.02	1/4	4,448.02	1/4	4,686.37	1/4		1/4		1/4		1/4		1/4	
1/2	3,694.27	1/2	3,947.28	1/2	4,200.29	1/2	4,453.30	1/2	4,689.11	1/2		1/2		1/2		1/2		1/2	
3/4	3,699.54	3/4	3,952.55	3/4	4,205.56	3/4	4,458.57	3/4	4,691.84	3/4		3/4		3/4		3/4		3/4	
4	3,704.81	4	3,957.82	4	4,210.83	4	4,463.84	4	4,694.57	4		4		4		4		4	
1/4	3,710.08	1/4	3,963.09	1/4	4,216.10	1/4	4,469.11	1/4	4,696.52	1/4		1/4		1/4		1/4		1/4	
1/2	3,715.35	1/2	3,968.36	1/2	4,221.37	1/2	4,474.38	1/2	4,698.47	1/2		1/2		1/2		1/2		1/2	
3/4	3,720.63	3/4	3,973.64	3/4	4,226.64	3/4	4,479.65	3/4	4,700.42	3/4		3/4		3/4		3/4		3/4	
5	3,725.90	5	3,978.91	5	4,231.91	5	4,484.92	5	4,702.37	5		5		5		5		5	
1/4	3,731.17	1/4	3,984.18	1/4	4,237.18	1/4	4,490.19	1/4	4,703.54	1/4		1/4		1/4		1/4		1/4	
1/2	3,736.44	1/2	3,989.45	1/2	4,242.45	1/2	4,495.47	1/2	4,704.71	1/2		1/2		1/2		1/2		1/2	
3/4	3,741.71	3/4	3,994.72	3/4	4,247.73	3/4	4,500.74	3/4	4,705.87	3/4		3/4		3/4		3/4		3/4	
6	3,746.98	6	3,999.99	6	4,253.00	6	4,506.01	6	4,707.04	6		6		6		6		6	
1/4	3,752.25	1/4	4,005.26	1/4	4,258.27	1/4	4,511.28	1/4	4,707.50	1/4		1/4		1/4		1/4		1/4	
1/2	3,757.52	1/2	4,010.53	1/2	4,263.54	1/2	4,516.55	1/2	4,707.96	1/2		1/2		1/2		1/2		1/2	
3/4	3,762.80	3/4	4,015.80	3/4	4,268.81	3/4	4,521.82	3/4	4,708.42	3/4		3/4		3/4		3/4		3/4	
7	3,768.07	7	4,021.07	7	4,274.08	7	4,527.09	7	4,708.88	7		7		7		7		7	
1/4	3,773.34	1/4	4,026.34	1/4	4,279.35	1/4	4,532.36	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,778.61	1/2	4,031.61	1/2	4,284.62	1/2	4,537.63	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,783.88	3/4	4,036.89	3/4	4,289.90	3/4	4,542.90	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,789.15	8	4,042.16	8	4,295.17	8	4,548.17	8		8		8		8		8		8	
1/4	3,794.42	1/4	4,047.43	1/4	4,300.44	1/4	4,553.44	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,799.69	1/2	4,052.70	1/2	4,305.71	1/2	4,558.72	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,804.96	3/4	4,057.97	3/4	4,310.98	3/4	4,563.99	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,810.23	9	4,063.24	9	4,316.25	9	4,569.26	9		9		9		9		9		9	
1/4	3,815.50	1/4	4,068.51	1/4	4,321.52	1/4	4,574.53	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,820.77	1/2	4,073.78	1/2	4,326.79	1/2	4,579.80	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,826.05	3/4	4,079.06	3/4	4,332.06	3/4	4,585.07	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,831.32	10	4,084.33	10	4,337.33	10	4,590.34	10		10		10		10		10		10	
1/4	3,836.59	1/4	4,089.60	1/4	4,342.60	1/4	4,595.61	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,841.86	1/2	4,094.87	1/2	4,347.87	1/2	4,600.89	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,847.13	3/4	4,100.14	3/4	4,353.15	3/4	4,606.16	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,852.40	11	4,105.41	11	4,358.42	11	4,611.43	11		11		11		11		11		11	
1/4	3,857.67	1/4	4,110.68	1/4	4,363.69	1/4	4,616.70	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,862.94	1/2	4,115.95	1/2	4,368.96	1/2	4,621.97	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,868.22	3/4	4,121.22	3/4	4,374.23	3/4	4,627.24	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/21/2014 SW  
DECK MEASUREMENTS: 07/25/2014 SW  
PRINTED: 07/25/2014 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2014

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



# BARGE "MM 136"

# PORT SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	1,280	0	2,561	0	3,841	0	5,122	0		0		0		0		0	
1/4	27	1/4	1,307	1/4	2,588	1/4	3,868	1/4	5,148	1/4		1/4		1/4		1/4		1/4	
1/2	53	1/2	1,334	1/2	2,614	1/2	3,895	1/2	5,175	1/2		1/2		1/2		1/2		1/2	
3/4	80	3/4	1,360	3/4	2,641	3/4	3,921	3/4	5,202	3/4		3/4		3/4		3/4		3/4	
1	107	1	1,387	1	2,668	1	3,948	1	5,228	1		1		1		1		1	
1/4	133	1/4	1,414	1/4	2,694	1/4	3,975	1/4	5,255	1/4		1/4		1/4		1/4		1/4	
1/2	160	1/2	1,441	1/2	2,721	1/2	4,001	1/2	5,281	1/2		1/2		1/2		1/2		1/2	
3/4	187	3/4	1,467	3/4	2,748	3/4	4,028	3/4	5,308	3/4		3/4		3/4		3/4		3/4	
2	213	2	1,494	2	2,774	2	4,055	2	5,334	2		2		2		2		2	
1/4	240	1/4	1,521	1/4	2,801	1/4	4,081	1/4	5,361	1/4		1/4		1/4		1/4		1/4	
1/2	267	1/2	1,547	1/2	2,828	1/2	4,108	1/2	5,387	1/2		1/2		1/2		1/2		1/2	
3/4	293	3/4	1,574	3/4	2,854	3/4	4,135	3/4	5,414	3/4		3/4		3/4		3/4		3/4	
3	320	3	1,601	3	2,881	3	4,161	3	5,441	3		3		3		3		3	
1/4	347	1/4	1,627	1/4	2,908	1/4	4,188	1/4	5,467	1/4		1/4		1/4		1/4		1/4	
1/2	373	1/2	1,654	1/2	2,934	1/2	4,215	1/2	5,494	1/2		1/2		1/2		1/2		1/2	
3/4	400	3/4	1,681	3/4	2,961	3/4	4,241	3/4	5,520	3/4		3/4		3/4		3/4		3/4	
4	427	4	1,707	4	2,988	4	4,268	4	5,547	4		4		4		4		4	
1/4	454	1/4	1,734	1/4	3,014	1/4	4,295	1/4	5,573	1/4		1/4		1/4		1/4		1/4	
1/2	480	1/2	1,761	1/2	3,041	1/2	4,322	1/2	5,600	1/2		1/2		1/2		1/2		1/2	
3/4	507	3/4	1,787	3/4	3,068	3/4	4,348	3/4	5,627	3/4		3/4		3/4		3/4		3/4	
5	534	5	1,814	5	3,094	5	4,375	5	5,653	5		5		5		5		5	
1/4	560	1/4	1,841	1/4	3,121	1/4	4,402	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	587	1/2	1,867	1/2	3,148	1/2	4,428	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	614	3/4	1,894	3/4	3,174	3/4	4,455	3/4		3/4		3/4		3/4		3/4		3/4	
6	640	6	1,921	6	3,201	6	4,482	6		6		6		6		6		6	
1/4	667	1/4	1,947	1/4	3,228	1/4	4,508	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	694	1/2	1,974	1/2	3,254	1/2	4,535	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	720	3/4	2,001	3/4	3,281	3/4	4,562	3/4		3/4		3/4		3/4		3/4		3/4	
7	747	7	2,027	7	3,308	7	4,588	7		7		7		7		7		7	
1/4	774	1/4	2,054	1/4	3,335	1/4	4,615	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	800	1/2	2,081	1/2	3,361	1/2	4,642	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	827	3/4	2,107	3/4	3,388	3/4	4,668	3/4		3/4		3/4		3/4		3/4		3/4	
8	854	8	2,134	8	3,415	8	4,695	8		8		8		8		8		8	
1/4	880	1/4	2,161	1/4	3,441	1/4	4,722	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	907	1/2	2,187	1/2	3,468	1/2	4,748	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	934	3/4	2,214	3/4	3,495	3/4	4,775	3/4		3/4		3/4		3/4		3/4		3/4	
9	960	9	2,241	9	3,521	9	4,802	9		9		9		9		9		9	
1/4	987	1/4	2,267	1/4	3,548	1/4	4,828	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,014	1/2	2,294	1/2	3,575	1/2	4,855	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,040	3/4	2,321	3/4	3,601	3/4	4,882	3/4		3/4		3/4		3/4		3/4		3/4	
10	1,067	10	2,347	10	3,628	10	4,908	10		10		10		10		10		10	
1/4	1,094	1/4	2,374	1/4	3,655	1/4	4,935	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,120	1/2	2,401	1/2	3,681	1/2	4,962	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,147	3/4	2,428	3/4	3,708	3/4	4,988	3/4		3/4		3/4		3/4		3/4		3/4	
11	1,174	11	2,454	11	3,735	11	5,015	11		11		11		11		11		11	
1/4	1,200	1/4	2,481	1/4	3,761	1/4	5,042	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,227	1/2	2,508	1/2	3,788	1/2	5,068	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,254	3/4	2,534	3/4	3,815	3/4	5,095	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

STRAPPED: 07/21/2014 SW  
CALCULATED: 07/21/2014 CL  
PRINTED: 07/21/2014 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2014

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "MM 136"

## STBD SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	1,082	0	2,165	0	3,247	0	4,330	0		0		0		0		0	
1/4	23	1/4	1,105	1/4	2,187	1/4	3,270	1/4	4,352	1/4		1/4		1/4		1/4		1/4	
1/2	45	1/2	1,128	1/2	2,210	1/2	3,292	1/2	4,375	1/2		1/2		1/2		1/2		1/2	
3/4	68	3/4	1,150	3/4	2,233	3/4	3,315	3/4	4,397	3/4		3/4		3/4		3/4		3/4	
1	90	1	1,173	1	2,255	1	3,338	1	4,420	1		1		1		1		1	
1/4	113	1/4	1,195	1/4	2,278	1/4	3,360	1/4	4,442	1/4		1/4		1/4		1/4		1/4	
1/2	135	1/2	1,218	1/2	2,300	1/2	3,383	1/2	4,464	1/2		1/2		1/2		1/2		1/2	
3/4	158	3/4	1,240	3/4	2,323	3/4	3,405	3/4	4,487	3/4		3/4		3/4		3/4		3/4	
2	180	2	1,263	2	2,345	2	3,428	2	4,509	2		2		2		2		2	
1/4	203	1/4	1,285	1/4	2,368	1/4	3,450	1/4	4,532	1/4		1/4		1/4		1/4		1/4	
1/2	226	1/2	1,308	1/2	2,390	1/2	3,473	1/2	4,554	1/2		1/2		1/2		1/2		1/2	
3/4	248	3/4	1,331	3/4	2,413	3/4	3,495	3/4	4,577	3/4		3/4		3/4		3/4		3/4	
3	271	3	1,353	3	2,436	3	3,518	3	4,599	3		3		3		3		3	
1/4	293	1/4	1,376	1/4	2,458	1/4	3,541	1/4	4,622	1/4		1/4		1/4		1/4		1/4	
1/2	316	1/2	1,398	1/2	2,481	1/2	3,563	1/2	4,644	1/2		1/2		1/2		1/2		1/2	
3/4	338	3/4	1,421	3/4	2,503	3/4	3,586	3/4	4,666	3/4		3/4		3/4		3/4		3/4	
4	361	4	1,443	4	2,526	4	3,608	4	4,689	4		4		4		4		4	
1/4	383	1/4	1,466	1/4	2,548	1/4	3,631	1/4	4,711	1/4		1/4		1/4		1/4		1/4	
1/2	406	1/2	1,488	1/2	2,571	1/2	3,653	1/2	4,734	1/2		1/2		1/2		1/2		1/2	
3/4	428	3/4	1,511	3/4	2,593	3/4	3,676	3/4	4,756	3/4		3/4		3/4		3/4		3/4	
5	451	5	1,533	5	2,616	5	3,698	5	4,779	5		5		5		5		5	
1/4	474	1/4	1,556	1/4	2,638	1/4	3,721	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	496	1/2	1,579	1/2	2,661	1/2	3,743	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	519	3/4	1,601	3/4	2,684	3/4	3,766	3/4		3/4		3/4		3/4		3/4		3/4	
6	541	6	1,624	6	2,706	6	3,789	6		6		6		6		6		6	
1/4	564	1/4	1,646	1/4	2,729	1/4	3,811	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	586	1/2	1,669	1/2	2,751	1/2	3,834	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	609	3/4	1,691	3/4	2,774	3/4	3,856	3/4		3/4		3/4		3/4		3/4		3/4	
7	631	7	1,714	7	2,796	7	3,879	7		7		7		7		7		7	
1/4	654	1/4	1,736	1/4	2,819	1/4	3,901	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	677	1/2	1,759	1/2	2,841	1/2	3,924	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	699	3/4	1,782	3/4	2,864	3/4	3,946	3/4		3/4		3/4		3/4		3/4		3/4	
8	722	8	1,804	8	2,887	8	3,969	8		8		8		8		8		8	
1/4	744	1/4	1,827	1/4	2,909	1/4	3,992	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	767	1/2	1,849	1/2	2,932	1/2	4,014	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	789	3/4	1,872	3/4	2,954	3/4	4,037	3/4		3/4		3/4		3/4		3/4		3/4	
9	812	9	1,894	9	2,977	9	4,059	9		9		9		9		9		9	
1/4	834	1/4	1,917	1/4	2,999	1/4	4,082	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	857	1/2	1,939	1/2	3,022	1/2	4,104	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	879	3/4	1,962	3/4	3,044	3/4	4,127	3/4		3/4		3/4		3/4		3/4		3/4	
10	902	10	1,984	10	3,067	10	4,149	10		10		10		10		10		10	
1/4	925	1/4	2,007	1/4	3,089	1/4	4,172	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	947	1/2	2,030	1/2	3,112	1/2	4,194	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	970	3/4	2,052	3/4	3,135	3/4	4,217	3/4		3/4		3/4		3/4		3/4		3/4	
11	992	11	2,075	11	3,157	11	4,240	11		11		11		11		11		11	
1/4	1,015	1/4	2,097	1/4	3,180	1/4	4,262	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,037	1/2	2,120	1/2	3,202	1/2	4,285	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,060	3/4	2,142	3/4	3,225	3/4	4,307	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

STRAPPED: 07/21/2014 SW  
CALCULATED: 07/21/2014 CL  
PRINTED: 07/21/2014 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2014

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
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