



BARGE "MM 302"

INNAGE TRIM TABLE HERMETIC

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8
1 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8
2 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
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	00-0/8	- 00-0/8	00-0/8	- 00-0/8
3 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
3 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
4 PORT	- 01-1/8	01-1/8	- 02-1/4	02-1/4	- 03-3/8	03-3/8	- 04-1/2	04-1/2	- 05-3/4	05-3/4	- 06-7/8	06-7/8
4 STBD	- 01-1/8	01-1/8	- 02-1/4	02-1/4	- 03-3/8	03-3/8	- 04-1/2	04-1/2	- 05-3/4	05-3/4	- 06-7/8	06-7/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 4 PORT IS 02-1/4"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 4 PORT, THE TRIM CORRECTED INNAGE IS 4'-02 1/4"

LENGTH BETWEEN DRAFT MARKS: 237'-03"

February 25, 2015

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

<http://www.pmacorp.net>



BARGE "MM 302"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 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	17.13	0	201.09	0	442.50	0	688.55	0	935.64	0	1,182.78	0	1,430.30	0	1,677.83	0	1,925.36	0	2,172.88
1/4	19.01	1/4	205.76	1/4	447.65	1/4	693.67	1/4	940.80	1/4	1,187.93	1/4	1,435.46	1/4	1,682.99	1/4	1,930.51	1/4	2,178.04
1/2	20.90	1/2	210.43	1/2	452.81	1/2	698.79	1/2	945.95	1/2	1,193.09	1/2	1,440.62	1/2	1,688.14	1/2	1,935.67	1/2	2,183.20
3/4	22.78	3/4	215.11	3/4	457.97	3/4	703.91	3/4	951.11	3/4	1,198.25	3/4	1,445.77	3/4	1,693.30	3/4	1,940.83	3/4	2,188.35
1	24.67	1	219.78	1	463.12	1	709.03	1	956.27	1	1,203.41	1	1,450.93	1	1,698.46	1	1,945.98	1	2,193.51
1/4	27.68	1/4	224.55	1/4	468.28	1/4	714.15	1/4	961.42	1/4	1,208.56	1/4	1,456.09	1/4	1,703.61	1/4	1,951.14	1/4	2,198.67
1/2	30.68	1/2	229.32	1/2	473.44	1/2	719.27	1/2	966.58	1/2	1,213.72	1/2	1,461.25	1/2	1,708.77	1/2	1,956.30	1/2	2,203.82
3/4	33.69	3/4	234.08	3/4	478.59	3/4	724.39	3/4	971.74	3/4	1,218.88	3/4	1,466.40	3/4	1,713.93	3/4	1,961.45	3/4	2,208.98
2	36.70	2	238.85	2	483.75	2	729.51	2	976.89	2	1,224.03	2	1,471.56	2	1,719.09	2	1,966.61	2	2,214.14
1/4	40.29	1/4	243.71	1/4	488.90	1/4	734.63	1/4	982.05	1/4	1,229.19	1/4	1,476.72	1/4	1,724.24	1/4	1,971.77	1/4	2,219.29
1/2	43.88	1/2	248.56	1/2	494.06	1/2	739.75	1/2	987.21	1/2	1,234.35	1/2	1,481.87	1/2	1,729.40	1/2	1,976.93	1/2	2,224.45
3/4	47.47	3/4	253.42	3/4	499.22	3/4	744.87	3/4	992.37	3/4	1,239.50	3/4	1,487.03	3/4	1,734.56	3/4	1,982.08	3/4	2,229.61
3	51.06	3	258.28	3	504.37	3	750.00	3	997.52	3	1,244.66	3	1,492.19	3	1,739.71	3	1,987.24	3	2,234.77
1/4	54.76	1/4	263.23	1/4	509.49	1/4	755.15	1/4	1,002.68	1/4	1,249.82	1/4	1,497.34	1/4	1,744.87	1/4	1,992.40	1/4	2,239.92
1/2	58.46	1/2	268.18	1/2	514.61	1/2	760.31	1/2	1,007.84	1/2	1,254.97	1/2	1,502.50	1/2	1,750.03	1/2	1,997.55	1/2	2,245.08
3/4	62.15	3/4	273.13	3/4	519.72	3/4	765.47	3/4	1,012.99	3/4	1,260.13	3/4	1,507.66	3/4	1,755.18	3/4	2,002.71	3/4	2,250.24
4	65.85	4	278.08	4	524.84	4	770.62	4	1,018.15	4	1,265.29	4	1,512.81	4	1,760.34	4	2,007.87	4	2,255.39
1/4	69.65	1/4	283.12	1/4	529.95	1/4	775.78	1/4	1,023.31	1/4	1,270.44	1/4	1,517.97	1/4	1,765.50	1/4	2,013.02	1/4	2,260.55
1/2	73.45	1/2	288.16	1/2	535.07	1/2	780.94	1/2	1,028.46	1/2	1,275.60	1/2	1,523.13	1/2	1,770.65	1/2	2,018.18	1/2	2,265.71
3/4	77.25	3/4	293.21	3/4	540.18	3/4	786.09	3/4	1,033.62	3/4	1,280.76	3/4	1,528.28	3/4	1,775.81	3/4	2,023.34	3/4	2,270.86
5	81.05	5	298.25	5	545.30	5	791.25	5	1,038.78	5	1,285.91	5	1,533.44	5	1,780.97	5	2,028.49	5	2,276.02
1/4	84.94	1/4	303.37	1/4	550.41	1/4	796.41	1/4	1,043.93	1/4	1,291.07	1/4	1,538.60	1/4	1,786.12	1/4	2,033.65	1/4	2,281.18
1/2	88.83	1/2	308.49	1/2	555.53	1/2	801.56	1/2	1,049.09	1/2	1,296.23	1/2	1,543.75	1/2	1,791.28	1/2	2,038.81	1/2	2,286.33
3/4	92.72	3/4	313.61	3/4	560.64	3/4	806.72	3/4	1,054.25	3/4	1,301.38	3/4	1,548.91	3/4	1,796.44	3/4	2,043.96	3/4	2,291.49
6	96.61	6	318.74	6	565.76	6	811.88	6	1,059.40	6	1,306.54	6	1,554.07	6	1,801.59	6	2,049.12	6	2,296.65
1/4	100.74	1/4	323.89	1/4	570.87	1/4	817.03	1/4	1,064.56	1/4	1,311.70	1/4	1,559.22	1/4	1,806.75	1/4	2,054.28	1/4	2,301.80
1/2	104.86	1/2	329.05	1/2	575.99	1/2	822.19	1/2	1,069.72	1/2	1,316.85	1/2	1,564.38	1/2	1,811.91	1/2	2,059.43	1/2	2,306.96
3/4	108.98	3/4	334.21	3/4	581.10	3/4	827.35	3/4	1,074.87	3/4	1,322.01	3/4	1,569.54	3/4	1,817.06	3/4	2,064.59	3/4	2,312.12
7	113.11	7	339.36	7	586.22	7	832.50	7	1,080.03	7	1,327.17	7	1,574.69	7	1,822.22	7	2,069.75	7	2,317.27
1/4	117.32	1/4	344.52	1/4	591.33	1/4	837.66	1/4	1,085.16	1/4	1,332.33	1/4	1,579.85	1/4	1,827.38	1/4	2,074.90	1/4	2,322.43
1/2	121.54	1/2	349.68	1/2	596.45	1/2	842.82	1/2	1,090.30	1/2	1,337.48	1/2	1,585.01	1/2	1,832.53	1/2	2,080.06	1/2	2,327.59
3/4	125.75	3/4	354.83	3/4	601.57	3/4	847.97	3/4	1,095.43	3/4	1,342.64	3/4	1,590.17	3/4	1,837.69	3/4	2,085.22	3/4	2,332.74
8	129.97	8	359.99	8	606.68	8	853.13	8	1,100.56	8	1,347.80	8	1,595.32	8	1,842.85	8	2,090.37	8	2,337.90
1/4	134.27	1/4	365.15	1/4	611.80	1/4	858.29	1/4	1,105.69	1/4	1,352.95	1/4	1,600.48	1/4	1,848.01	1/4	2,095.53	1/4	2,343.06
1/2	138.58	1/2	370.30	1/2	616.91	1/2	863.45	1/2	1,110.83	1/2	1,358.11	1/2	1,605.64	1/2	1,853.16	1/2	2,100.69	1/2	2,348.21
3/4	142.89	3/4	375.46	3/4	622.03	3/4	868.60	3/4	1,115.96	3/4	1,363.27	3/4	1,610.79	3/4	1,858.32	3/4	2,105.85	3/4	2,353.37
9	147.20	9	380.62	9	627.14	9	873.76	9	1,121.09	9	1,368.42	9	1,615.95	9	1,863.48	9	2,111.00	9	2,358.53
1/4	151.60	1/4	385.77	1/4	632.26	1/4	878.92	1/4	1,126.22	1/4	1,373.58	1/4	1,621.11	1/4	1,868.63	1/4	2,116.16	1/4	2,363.69
1/2	155.99	1/2	390.93	1/2	637.37	1/2	884.07	1/2	1,131.36	1/2	1,378.74	1/2	1,626.26	1/2	1,873.79	1/2	2,121.32	1/2	2,368.84
3/4	160.39	3/4	396.09	3/4	642.49	3/4	889.23	3/4	1,136.49	3/4	1,383.89	3/4	1,631.42	3/4	1,878.95	3/4	2,126.47	3/4	2,374.00
10	164.79	10	401.24	10	647.60	10	894.39	10	1,141.62	10	1,389.05	10	1,636.58	10	1,884.10	10	2,131.63	10	2,379.16
1/4	169.28	1/4	406.40	1/4	652.72	1/4	899.54	1/4	1,146.75	1/4	1,394.21	1/4	1,641.73	1/4	1,889.26	1/4	2,136.79	1/4	2,384.31
1/2	173.77	1/2	411.56	1/2	657.83	1/2	904.70	1/2	1,151.89	1/2	1,399.36	1/2	1,646.89	1/2	1,894.42	1/2	2,141.94	1/2	2,389.47
3/4	178.26	3/4	416.71	3/4	662.95	3/4	909.86	3/4	1,157.02	3/4	1,404.52	3/4	1,652.05	3/4	1,899.57	3/4	2,147.10	3/4	2,394.63
11	182.75	11	421.87	11	668.06	11	915.01	11	1,162.15	11	1,409.68	11	1,657.20	11	1,904.73	11	2,152.26	11	2,399.78
1/4	187.34	1/4	427.03	1/4	673.18	1/4	920.17	1/4	1,167.31	1/4	1,414.83	1/4	1,662.36	1/4	1,909.89	1/4	2,157.41	1/4	2,404.94
1/2	191.92	1/2	432.18	1/2	678.31	1/2	925.33	1/2	1,172.46	1/2	1,419.99	1/2	1,667.52	1/2	1,915.04	1/2	2,162.57	1/2	2,410.10
3/4	196.50	3/4	437.34	3/4	683.43	3/4	930.48	3/4	1,177.62	3/4	1,425.15	3/4	1,672.67	3/4	1,920.20	3/4	2,167.73	3/4	2,415.25

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES.

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

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

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "MM 302"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 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	2,420.41	0	2,667.94	0	2,915.46	0	3,162.99	0	3,409.24	0		0		0		0		0	
1/4	2,425.57	1/4	2,673.09	1/4	2,920.62	1/4	3,168.15	1/4	3,414.32	1/4		1/4		1/4		1/4		1/4	
1/2	2,430.72	1/2	2,678.25	1/2	2,925.78	1/2	3,173.30	1/2	3,419.40	1/2		1/2		1/2		1/2		1/2	
3/4	2,435.88	3/4	2,683.41	3/4	2,930.93	3/4	3,178.46	3/4	3,424.48	3/4		3/4		3/4		3/4		3/4	
1	2,441.04	1	2,688.56	1	2,936.09	1	3,183.62	1	3,429.57	1		1		1		1		1	
1/4	2,446.19	1/4	2,693.72	1/4	2,941.25	1/4	3,188.77	1/4	3,434.15	1/4		1/4		1/4		1/4		1/4	
1/2	2,451.35	1/2	2,698.88	1/2	2,946.40	1/2	3,193.93	1/2	3,438.74	1/2		1/2		1/2		1/2		1/2	
3/4	2,456.51	3/4	2,704.03	3/4	2,951.56	3/4	3,199.09	3/4	3,443.33	3/4		3/4		3/4		3/4		3/4	
2	2,461.66	2	2,709.19	2	2,956.72	2	3,204.24	2	3,447.92	2		2		2		2		2	
1/4	2,466.82	1/4	2,714.35	1/4	2,961.87	1/4	3,209.40	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,471.98	1/2	2,719.50	1/2	2,967.03	1/2	3,214.56	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,477.13	3/4	2,724.66	3/4	2,972.19	3/4	3,219.71	3/4		3/4		3/4		3/4		3/4		3/4	
3	2,482.29	3	2,729.82	3	2,977.34	3	3,224.87	3		3		3		3		3		3	
1/4	2,487.45	1/4	2,734.97	1/4	2,982.50	1/4	3,230.03	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,492.61	1/2	2,740.13	1/2	2,987.66	1/2	3,235.18	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,497.76	3/4	2,745.29	3/4	2,992.81	3/4	3,240.34	3/4		3/4		3/4		3/4		3/4		3/4	
4	2,502.92	4	2,750.45	4	2,997.97	4	3,245.50	4		4		4		4		4		4	
1/4	2,508.08	1/4	2,755.60	1/4	3,003.13	1/4	3,250.65	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,513.23	1/2	2,760.76	1/2	3,008.29	1/2	3,255.81	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,518.39	3/4	2,765.92	3/4	3,013.44	3/4	3,260.97	3/4		3/4		3/4		3/4		3/4		3/4	
5	2,523.55	5	2,771.07	5	3,018.60	5	3,266.13	5		5		5		5		5		5	
1/4	2,528.70	1/4	2,776.23	1/4	3,023.76	1/4	3,271.28	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,533.86	1/2	2,781.39	1/2	3,028.91	1/2	3,276.44	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,539.02	3/4	2,786.54	3/4	3,034.07	3/4	3,281.60	3/4		3/4		3/4		3/4		3/4		3/4	
6	2,544.17	6	2,791.70	6	3,039.23	6	3,286.75	6		6		6		6		6		6	
1/4	2,549.33	1/4	2,796.86	1/4	3,044.38	1/4	3,291.86	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,554.49	1/2	2,802.01	1/2	3,049.54	1/2	3,296.96	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,559.64	3/4	2,807.17	3/4	3,054.70	3/4	3,302.07	3/4		3/4		3/4		3/4		3/4		3/4	
7	2,564.80	7	2,812.33	7	3,059.85	7	3,307.17	7		7		7		7		7		7	
1/4	2,569.96	1/4	2,817.48	1/4	3,065.01	1/4	3,312.28	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,575.11	1/2	2,822.64	1/2	3,070.17	1/2	3,317.38	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,580.27	3/4	2,827.80	3/4	3,075.32	3/4	3,322.49	3/4		3/4		3/4		3/4		3/4		3/4	
8	2,585.43	8	2,832.95	8	3,080.48	8	3,327.59	8		8		8		8		8		8	
1/4	2,590.58	1/4	2,838.11	1/4	3,085.64	1/4	3,332.70	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,595.74	1/2	2,843.27	1/2	3,090.79	1/2	3,337.80	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,600.90	3/4	2,848.42	3/4	3,095.95	3/4	3,342.91	3/4		3/4		3/4		3/4		3/4		3/4	
9	2,606.05	9	2,853.58	9	3,101.11	9	3,348.01	9		9		9		9		9		9	
1/4	2,611.21	1/4	2,858.74	1/4	3,106.26	1/4	3,353.11	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,616.37	1/2	2,863.89	1/2	3,111.42	1/2	3,358.22	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,621.53	3/4	2,869.05	3/4	3,116.58	3/4	3,363.32	3/4		3/4		3/4		3/4		3/4		3/4	
10	2,626.68	10	2,874.21	10	3,121.73	10	3,368.43	10		10		10		10		10		10	
1/4	2,631.84	1/4	2,879.37	1/4	3,126.89	1/4	3,373.53	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,637.00	1/2	2,884.52	1/2	3,132.05	1/2	3,378.64	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,642.15	3/4	2,889.68	3/4	3,137.21	3/4	3,383.74	3/4		3/4		3/4		3/4		3/4		3/4	
11	2,647.31	11	2,894.84	11	3,142.36	11	3,388.85	11		11		11		11		11		11	
1/4	2,652.47	1/4	2,899.99	1/4	3,147.52	1/4	3,393.95	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,657.62	1/2	2,905.15	1/2	3,152.68	1/2	3,399.05	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,662.78	3/4	2,910.31	3/4	3,157.83	3/4	3,404.14	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/25/2015 CL
CALCULATED: 02/25/2015 CL
PRINTED: 03/01/2015 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2015

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



BARGE "MM 302"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	17.12	0	201.09	0	442.43	0	689.70	0	937.14	0	1,184.19	0	1,431.63	0	1,679.08	0	1,926.52	0	2,173.97
1/4	19.01	1/4	205.77	1/4	447.58	1/4	694.85	1/4	942.30	1/4	1,189.34	1/4	1,436.79	1/4	1,684.23	1/4	1,931.68	1/4	2,179.12
1/2	20.90	1/2	210.44	1/2	452.74	1/2	700.01	1/2	947.45	1/2	1,194.50	1/2	1,441.94	1/2	1,689.39	1/2	1,936.83	1/2	2,184.28
3/4	22.79	3/4	215.11	3/4	457.89	3/4	705.16	3/4	952.61	3/4	1,199.65	3/4	1,447.10	3/4	1,694.54	3/4	1,941.99	3/4	2,189.43
1	24.67	1	219.79	1	463.05	1	710.32	1	957.76	1	1,204.81	1	1,452.25	1	1,699.70	1	1,947.14	1	2,194.59
1/4	27.68	1/4	224.55	1/4	468.20	1/4	715.47	1/4	962.92	1/4	1,209.96	1/4	1,457.41	1/4	1,704.85	1/4	1,952.30	1/4	2,199.74
1/2	30.69	1/2	229.32	1/2	473.36	1/2	720.63	1/2	968.07	1/2	1,215.12	1/2	1,462.56	1/2	1,710.01	1/2	1,957.45	1/2	2,204.90
3/4	33.70	3/4	234.08	3/4	478.51	3/4	725.79	3/4	973.23	3/4	1,220.27	3/4	1,467.72	3/4	1,715.16	3/4	1,962.61	3/4	2,210.05
2	36.70	2	238.85	2	483.67	2	730.94	2	978.38	2	1,225.43	2	1,472.87	2	1,720.32	2	1,967.76	2	2,215.21
1/4	40.29	1/4	243.71	1/4	488.82	1/4	736.10	1/4	983.54	1/4	1,230.58	1/4	1,478.03	1/4	1,725.47	1/4	1,972.92	1/4	2,220.36
1/2	43.88	1/2	248.56	1/2	493.98	1/2	741.25	1/2	988.70	1/2	1,235.74	1/2	1,483.18	1/2	1,730.63	1/2	1,978.07	1/2	2,225.52
3/4	47.48	3/4	253.42	3/4	499.13	3/4	746.41	3/4	993.85	3/4	1,240.90	3/4	1,488.34	3/4	1,735.78	3/4	1,983.23	3/4	2,230.67
3	51.07	3	258.28	3	504.29	3	751.56	3	999.01	3	1,246.05	3	1,493.49	3	1,740.94	3	1,988.38	3	2,235.83
1/4	54.77	1/4	263.22	1/4	509.44	1/4	756.72	1/4	1,004.16	1/4	1,251.21	1/4	1,498.65	1/4	1,746.09	1/4	1,993.54	1/4	2,240.98
1/2	58.47	1/2	268.17	1/2	514.59	1/2	761.87	1/2	1,009.32	1/2	1,256.36	1/2	1,503.81	1/2	1,751.25	1/2	1,998.69	1/2	2,246.14
3/4	62.17	3/4	273.12	3/4	519.74	3/4	767.03	3/4	1,014.47	3/4	1,261.52	3/4	1,508.96	3/4	1,756.40	3/4	2,003.85	3/4	2,251.29
4	65.87	4	278.07	4	524.89	4	772.18	4	1,019.63	4	1,266.67	4	1,514.12	4	1,761.56	4	2,009.00	4	2,256.45
1/4	69.67	1/4	283.11	1/4	530.04	1/4	777.34	1/4	1,024.78	1/4	1,271.83	1/4	1,519.27	1/4	1,766.72	1/4	2,014.16	1/4	2,261.60
1/2	73.47	1/2	288.15	1/2	535.19	1/2	782.49	1/2	1,029.94	1/2	1,276.98	1/2	1,524.43	1/2	1,771.87	1/2	2,019.32	1/2	2,266.76
3/4	77.26	3/4	293.19	3/4	540.34	3/4	787.65	3/4	1,035.09	3/4	1,282.14	3/4	1,529.58	3/4	1,777.03	3/4	2,024.47	3/4	2,271.91
5	81.06	5	298.23	5	545.49	5	792.80	5	1,040.25	5	1,287.29	5	1,534.74	5	1,782.18	5	2,029.63	5	2,277.07
1/4	84.95	1/4	303.35	1/4	550.64	1/4	797.96	1/4	1,045.40	1/4	1,292.45	1/4	1,539.89	1/4	1,787.34	1/4	2,034.78	1/4	2,282.23
1/2	88.85	1/2	308.47	1/2	555.79	1/2	803.11	1/2	1,050.56	1/2	1,297.60	1/2	1,545.05	1/2	1,792.49	1/2	2,039.94	1/2	2,287.38
3/4	92.74	3/4	313.59	3/4	560.94	3/4	808.27	3/4	1,055.71	3/4	1,302.76	3/4	1,550.20	3/4	1,797.65	3/4	2,045.09	3/4	2,292.54
6	96.63	6	318.71	6	566.08	6	813.42	6	1,060.87	6	1,307.91	6	1,555.36	6	1,802.80	6	2,050.25	6	2,297.69
1/4	100.75	1/4	323.87	1/4	571.23	1/4	818.58	1/4	1,066.02	1/4	1,313.07	1/4	1,560.51	1/4	1,807.96	1/4	2,055.40	1/4	2,302.85
1/2	104.88	1/2	329.02	1/2	576.38	1/2	823.73	1/2	1,071.18	1/2	1,318.22	1/2	1,565.67	1/2	1,813.11	1/2	2,060.56	1/2	2,308.00
3/4	109.00	3/4	334.18	3/4	581.53	3/4	828.89	3/4	1,076.33	3/4	1,323.38	3/4	1,570.82	3/4	1,818.27	3/4	2,065.71	3/4	2,313.16
7	113.12	7	339.33	7	586.68	7	834.04	7	1,081.49	7	1,328.53	7	1,575.98	7	1,823.42	7	2,070.87	7	2,318.31
1/4	117.34	1/4	344.49	1/4	591.83	1/4	839.20	1/4	1,086.62	1/4	1,333.69	1/4	1,581.13	1/4	1,828.58	1/4	2,076.02	1/4	2,323.47
1/2	121.55	1/2	349.64	1/2	596.98	1/2	844.35	1/2	1,091.75	1/2	1,338.84	1/2	1,586.29	1/2	1,833.73	1/2	2,081.18	1/2	2,328.62
3/4	125.77	3/4	354.80	3/4	602.13	3/4	849.51	3/4	1,096.88	3/4	1,344.00	3/4	1,591.44	3/4	1,838.89	3/4	2,086.33	3/4	2,333.78
8	129.98	8	359.95	8	607.28	8	854.66	8	1,102.01	8	1,349.15	8	1,596.60	8	1,844.04	8	2,091.49	8	2,338.93
1/4	134.29	1/4	365.11	1/4	612.43	1/4	859.82	1/4	1,107.14	1/4	1,354.31	1/4	1,601.75	1/4	1,849.20	1/4	2,096.64	1/4	2,344.09
1/2	138.60	1/2	370.26	1/2	617.58	1/2	864.97	1/2	1,112.27	1/2	1,359.46	1/2	1,606.91	1/2	1,854.35	1/2	2,101.80	1/2	2,349.24
3/4	142.91	3/4	375.42	3/4	622.73	3/4	870.13	3/4	1,117.40	3/4	1,364.62	3/4	1,612.06	3/4	1,859.51	3/4	2,106.95	3/4	2,354.40
9	147.21	9	380.57	9	627.88	9	875.28	9	1,122.53	9	1,369.77	9	1,617.22	9	1,864.66	9	2,112.11	9	2,359.55
1/4	151.61	1/4	385.73	1/4	633.03	1/4	880.44	1/4	1,127.66	1/4	1,374.93	1/4	1,622.37	1/4	1,869.82	1/4	2,117.26	1/4	2,364.71
1/2	156.01	1/2	390.88	1/2	638.18	1/2	885.59	1/2	1,132.79	1/2	1,380.08	1/2	1,627.53	1/2	1,874.97	1/2	2,122.42	1/2	2,369.86
3/4	160.41	3/4	396.04	3/4	643.33	3/4	890.75	3/4	1,137.92	3/4	1,385.24	3/4	1,632.68	3/4	1,880.13	3/4	2,127.57	3/4	2,375.02
10	164.81	10	401.19	10	648.48	10	895.90	10	1,143.05	10	1,390.39	10	1,637.84	10	1,885.28	10	2,132.73	10	2,380.17
1/4	169.30	1/4	406.35	1/4	653.63	1/4	901.06	1/4	1,148.18	1/4	1,395.55	1/4	1,642.99	1/4	1,890.44	1/4	2,137.88	1/4	2,385.33
1/2	173.79	1/2	411.50	1/2	658.78	1/2	906.21	1/2	1,153.31	1/2	1,400.70	1/2	1,648.15	1/2	1,895.59	1/2	2,143.04	1/2	2,390.48
3/4	178.28	3/4	416.66	3/4	663.93	3/4	911.37	3/4	1,158.44	3/4	1,405.86	3/4	1,653.30	3/4	1,900.75	3/4	2,148.19	3/4	2,395.64
11	182.77	11	421.81	11	669.08	11	916.52	11	1,163.57	11	1,411.01	11	1,658.46	11	1,905.90	11	2,153.35	11	2,400.79
1/4	187.35	1/4	426.97	1/4	674.23	1/4	921.68	1/4	1,168.72	1/4	1,416.17	1/4	1,663.61	1/4	1,911.06	1/4	2,158.50	1/4	2,405.95
1/2	191.93	1/2	432.12	1/2	679.39	1/2	926.83	1/2	1,173.88	1/2	1,421.32	1/2	1,668.77	1/2	1,916.21	1/2	2,163.66	1/2	2,411.10
3/4	196.51	3/4	437.27	3/4	684.54	3/4	931.99	3/4	1,179.03	3/4	1,426.48	3/4	1,673.92	3/4	1,921.37	3/4	2,168.81	3/4	2,416.26

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES.

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

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

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "MM 302"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,421.41	0	2,668.85	0	2,916.27	0	3,163.70	0	3,409.86	0		0		0		0		0	
1/4	2,426.57	1/4	2,674.01	1/4	2,921.43	1/4	3,168.85	1/4	3,414.94	1/4		1/4		1/4		1/4		1/4	
1/2	2,431.72	1/2	2,679.16	1/2	2,926.58	1/2	3,174.00	1/2	3,420.02	1/2		1/2		1/2		1/2		1/2	
3/4	2,436.88	3/4	2,684.32	3/4	2,931.74	3/4	3,179.16	3/4	3,425.10	3/4		3/4		3/4		3/4		3/4	
1	2,442.03	1	2,689.47	1	2,936.89	1	3,184.31	1	3,430.18	1		1		1		1		1	
1/4	2,447.19	1/4	2,694.63	1/4	2,942.05	1/4	3,189.47	1/4	3,434.76	1/4		1/4		1/4		1/4		1/4	
1/2	2,452.34	1/2	2,699.78	1/2	2,947.20	1/2	3,194.62	1/2	3,439.35	1/2		1/2		1/2		1/2		1/2	
3/4	2,457.50	3/4	2,704.94	3/4	2,952.36	3/4	3,199.78	3/4	3,443.94	3/4		3/4		3/4		3/4		3/4	
2	2,462.65	2	2,710.09	2	2,957.51	2	3,204.93	2	3,448.53	2		2		2		2		2	
1/4	2,467.81	1/4	2,715.25	1/4	2,962.67	1/4	3,210.09	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,472.96	1/2	2,720.40	1/2	2,967.82	1/2	3,215.24	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,478.12	3/4	2,725.55	3/4	2,972.98	3/4	3,220.40	3/4		3/4		3/4		3/4		3/4		3/4	
3	2,483.27	3	2,730.71	3	2,978.13	3	3,225.55	3		3		3		3		3		3	
1/4	2,488.43	1/4	2,735.86	1/4	2,983.28	1/4	3,230.71	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,493.58	1/2	2,741.02	1/2	2,988.44	1/2	3,235.86	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,498.74	3/4	2,746.17	3/4	2,993.59	3/4	3,241.01	3/4		3/4		3/4		3/4		3/4		3/4	
4	2,503.89	4	2,751.33	4	2,998.75	4	3,246.17	4		4		4		4		4		4	
1/4	2,509.05	1/4	2,756.48	1/4	3,003.90	1/4	3,251.32	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,514.20	1/2	2,761.64	1/2	3,009.06	1/2	3,256.48	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,519.36	3/4	2,766.79	3/4	3,014.21	3/4	3,261.63	3/4		3/4		3/4		3/4		3/4		3/4	
5	2,524.51	5	2,771.95	5	3,019.37	5	3,266.79	5		5		5		5		5		5	
1/4	2,529.67	1/4	2,777.10	1/4	3,024.52	1/4	3,271.94	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,534.83	1/2	2,782.25	1/2	3,029.68	1/2	3,277.10	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,539.98	3/4	2,787.41	3/4	3,034.83	3/4	3,282.25	3/4		3/4		3/4		3/4		3/4		3/4	
6	2,545.14	6	2,792.56	6	3,039.98	6	3,287.41	6		6		6		6		6		6	
1/4	2,550.29	1/4	2,797.72	1/4	3,045.14	1/4	3,292.51	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,555.45	1/2	2,802.87	1/2	3,050.29	1/2	3,297.61	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,560.60	3/4	2,808.03	3/4	3,055.45	3/4	3,302.72	3/4		3/4		3/4		3/4		3/4		3/4	
7	2,565.76	7	2,813.18	7	3,060.60	7	3,307.82	7		7		7		7		7		7	
1/4	2,570.91	1/4	2,818.34	1/4	3,065.76	1/4	3,312.92	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,576.07	1/2	2,823.49	1/2	3,070.91	1/2	3,318.03	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,581.22	3/4	2,828.65	3/4	3,076.07	3/4	3,323.13	3/4		3/4		3/4		3/4		3/4		3/4	
8	2,586.38	8	2,833.80	8	3,081.22	8	3,328.24	8		8		8		8		8		8	
1/4	2,591.53	1/4	2,838.96	1/4	3,086.38	1/4	3,333.34	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,596.69	1/2	2,844.11	1/2	3,091.53	1/2	3,338.44	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,601.84	3/4	2,849.26	3/4	3,096.69	3/4	3,343.55	3/4		3/4		3/4		3/4		3/4		3/4	
9	2,607.00	9	2,854.42	9	3,101.84	9	3,348.65	9		9		9		9		9		9	
1/4	2,612.15	1/4	2,859.57	1/4	3,106.99	1/4	3,353.76	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,617.31	1/2	2,864.73	1/2	3,112.15	1/2	3,358.86	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,622.46	3/4	2,869.88	3/4	3,117.30	3/4	3,363.96	3/4		3/4		3/4		3/4		3/4		3/4	
10	2,627.62	10	2,875.04	10	3,122.46	10	3,369.07	10		10		10		10		10		10	
1/4	2,632.77	1/4	2,880.19	1/4	3,127.61	1/4	3,374.17	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,637.93	1/2	2,885.35	1/2	3,132.77	1/2	3,379.27	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,643.08	3/4	2,890.50	3/4	3,137.92	3/4	3,384.37	3/4		3/4		3/4		3/4		3/4		3/4	
11	2,648.24	11	2,895.66	11	3,143.08	11	3,389.47	11		11		11		11		11		11	
1/4	2,653.39	1/4	2,900.81	1/4	3,148.23	1/4	3,394.57	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,658.54	1/2	2,905.97	1/2	3,153.39	1/2	3,399.67	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,663.70	3/4	2,911.12	3/4	3,158.54	3/4	3,404.76	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/25/2015 CL
CALCULATED: 02/25/2015 CL
PRINTED: 03/01/2015 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2015

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



BARGE "MM 302"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	22.78	0	311.52	0	614.65	0	907.59	0	1,207.39	0	1,508.94	0	1,812.08	0	2,115.22	0	2,418.35	0	2,721.49
1/4	27.03	1/4	317.83	1/4	620.96	1/4	913.62	1/4	1,213.70	1/4	1,515.25	1/4	1,818.39	1/4	2,121.53	1/4	2,424.67	1/4	2,727.81
1/2	31.28	1/2	324.15	1/2	627.28	1/2	919.66	1/2	1,220.02	1/2	1,521.57	1/2	1,824.71	1/2	2,127.85	1/2	2,430.99	1/2	2,734.12
3/4	35.53	3/4	330.46	3/4	633.59	3/4	925.70	3/4	1,226.33	3/4	1,527.88	3/4	1,831.02	3/4	2,134.16	3/4	2,437.30	3/4	2,740.44
1	39.78	1	336.78	1	639.91	1	931.74	1	1,232.65	1	1,534.20	1	1,837.34	1	2,140.48	1	2,443.62	1	2,746.76
1/4	45.29	1/4	343.09	1/4	646.22	1/4	937.77	1/4	1,238.96	1/4	1,540.51	1/4	1,843.65	1/4	2,146.79	1/4	2,449.93	1/4	2,753.07
1/2	50.80	1/2	349.41	1/2	652.54	1/2	943.81	1/2	1,245.28	1/2	1,546.83	1/2	1,849.97	1/2	2,153.11	1/2	2,456.25	1/2	2,759.39
3/4	56.31	3/4	355.73	3/4	658.85	3/4	949.85	3/4	1,251.59	3/4	1,553.14	3/4	1,856.28	3/4	2,159.42	3/4	2,462.56	3/4	2,765.70
2	61.82	2	362.04	2	665.17	2	955.88	2	1,257.91	2	1,559.46	2	1,862.60	2	2,165.74	2	2,468.88	2	2,772.02
1/4	67.93	1/4	368.36	1/4	671.49	1/4	961.92	1/4	1,264.23	1/4	1,565.78	1/4	1,868.91	1/4	2,172.05	1/4	2,475.19	1/4	2,778.33
1/2	74.05	1/2	374.67	1/2	677.80	1/2	967.96	1/2	1,270.54	1/2	1,572.09	1/2	1,875.23	1/2	2,178.37	1/2	2,481.51	1/2	2,784.65
3/4	80.16	3/4	380.99	3/4	684.12	3/4	974.00	3/4	1,276.86	3/4	1,578.41	3/4	1,881.55	3/4	2,184.68	3/4	2,487.82	3/4	2,790.96
3	86.27	3	387.30	3	690.43	3	980.03	3	1,283.17	3	1,584.72	3	1,887.86	3	2,191.00	3	2,494.14	3	2,797.28
1/4	92.40	1/4	393.62	1/4	696.46	1/4	986.35	1/4	1,289.49	1/4	1,591.04	1/4	1,894.18	1/4	2,197.32	1/4	2,500.45	1/4	2,803.59
1/2	98.54	1/2	399.93	1/2	702.49	1/2	992.66	1/2	1,295.80	1/2	1,597.35	1/2	1,900.49	1/2	2,203.63	1/2	2,506.77	1/2	2,809.91
3/4	104.67	3/4	406.25	3/4	708.53	3/4	998.98	3/4	1,302.12	3/4	1,603.67	3/4	1,906.81	3/4	2,209.95	3/4	2,513.09	3/4	2,816.22
4	110.81	4	412.56	4	714.56	4	1,005.29	4	1,308.43	4	1,609.98	4	1,913.12	4	2,216.26	4	2,519.40	4	2,822.54
1/4	116.95	1/4	418.88	1/4	720.59	1/4	1,011.61	1/4	1,314.75	1/4	1,616.30	1/4	1,919.44	1/4	2,222.58	1/4	2,525.72	1/4	2,828.86
1/2	123.09	1/2	425.19	1/2	726.62	1/2	1,017.92	1/2	1,321.06	1/2	1,622.61	1/2	1,925.75	1/2	2,228.89	1/2	2,532.03	1/2	2,835.17
3/4	129.23	3/4	431.51	3/4	732.65	3/4	1,024.24	3/4	1,327.38	3/4	1,628.93	3/4	1,932.07	3/4	2,235.21	3/4	2,538.35	3/4	2,841.49
5	135.38	5	437.82	5	738.68	5	1,030.56	5	1,333.69	5	1,635.25	5	1,938.38	5	2,241.52	5	2,544.66	5	2,847.80
1/4	141.52	1/4	444.14	1/4	744.71	1/4	1,036.87	1/4	1,340.01	1/4	1,641.56	1/4	1,944.70	1/4	2,247.84	1/4	2,550.98	1/4	2,854.12
1/2	147.66	1/2	450.45	1/2	750.75	1/2	1,043.19	1/2	1,346.33	1/2	1,647.88	1/2	1,951.02	1/2	2,254.15	1/2	2,557.29	1/2	2,860.43
3/4	153.81	3/4	456.77	3/4	756.78	3/4	1,049.50	3/4	1,352.64	3/4	1,654.19	3/4	1,957.33	3/4	2,260.47	3/4	2,563.61	3/4	2,866.75
6	159.95	6	463.08	6	762.81	6	1,055.82	6	1,358.96	6	1,660.51	6	1,963.65	6	2,266.79	6	2,569.92	6	2,873.06
1/4	166.27	1/4	469.40	1/4	768.84	1/4	1,062.13	1/4	1,365.27	1/4	1,666.82	1/4	1,969.96	1/4	2,273.10	1/4	2,576.24	1/4	2,879.38
1/2	172.58	1/2	475.71	1/2	774.87	1/2	1,068.45	1/2	1,371.59	1/2	1,673.14	1/2	1,976.28	1/2	2,279.42	1/2	2,582.56	1/2	2,885.69
3/4	178.90	3/4	482.03	3/4	780.90	3/4	1,074.76	3/4	1,377.90	3/4	1,679.45	3/4	1,982.59	3/4	2,285.73	3/4	2,588.87	3/4	2,892.01
7	185.21	7	488.34	7	786.93	7	1,081.08	7	1,384.22	7	1,685.77	7	1,988.91	7	2,292.05	7	2,595.19	7	2,898.33
1/4	191.53	1/4	494.66	1/4	792.97	1/4	1,087.39	1/4	1,390.43	1/4	1,692.08	1/4	1,995.22	1/4	2,298.36	1/4	2,601.50	1/4	2,904.64
1/2	197.85	1/2	500.97	1/2	799.00	1/2	1,093.71	1/2	1,396.65	1/2	1,698.40	1/2	2,001.54	1/2	2,304.68	1/2	2,607.82	1/2	2,910.96
3/4	204.16	3/4	507.29	3/4	805.03	3/4	1,100.02	3/4	1,402.87	3/4	1,704.71	3/4	2,007.85	3/4	2,310.99	3/4	2,614.13	3/4	2,917.27
8	210.48	8	513.61	8	811.06	8	1,106.34	8	1,409.08	8	1,711.03	8	2,014.17	8	2,317.31	8	2,620.45	8	2,923.59
1/4	216.79	1/4	519.92	1/4	817.09	1/4	1,112.66	1/4	1,415.30	1/4	1,717.35	1/4	2,020.48	1/4	2,323.62	1/4	2,626.76	1/4	2,929.90
1/2	223.11	1/2	526.24	1/2	823.12	1/2	1,118.97	1/2	1,421.51	1/2	1,723.66	1/2	2,026.80	1/2	2,329.94	1/2	2,633.08	1/2	2,936.22
3/4	229.42	3/4	532.55	3/4	829.16	3/4	1,125.29	3/4	1,427.73	3/4	1,729.98	3/4	2,033.12	3/4	2,336.25	3/4	2,639.39	3/4	2,942.53
9	235.74	9	538.87	9	835.19	9	1,131.60	9	1,433.95	9	1,736.29	9	2,039.43	9	2,342.57	9	2,645.71	9	2,948.85
1/4	242.05	1/4	545.18	1/4	841.22	1/4	1,137.92	1/4	1,440.16	1/4	1,742.61	1/4	2,045.75	1/4	2,348.89	1/4	2,652.02	1/4	2,955.16
1/2	248.37	1/2	551.50	1/2	847.25	1/2	1,144.23	1/2	1,446.38	1/2	1,748.92	1/2	2,052.06	1/2	2,355.20	1/2	2,658.34	1/2	2,961.48
3/4	254.68	3/4	557.81	3/4	853.28	3/4	1,150.55	3/4	1,452.60	3/4	1,755.24	3/4	2,058.38	3/4	2,361.52	3/4	2,664.66	3/4	2,967.79
10	261.00	10	564.13	10	859.31	10	1,156.86	10	1,458.81	10	1,761.55	10	2,064.69	10	2,367.83	10	2,670.97	10	2,974.11
1/4	267.31	1/4	570.44	1/4	865.34	1/4	1,163.18	1/4	1,465.03	1/4	1,767.87	1/4	2,071.01	1/4	2,374.15	1/4	2,677.29	1/4	2,980.43
1/2	273.63	1/2	576.76	1/2	871.38	1/2	1,169.49	1/2	1,471.24	1/2	1,774.18	1/2	2,077.32	1/2	2,380.46	1/2	2,683.60	1/2	2,986.74
3/4	279.94	3/4	583.07	3/4	877.41	3/4	1,175.81	3/4	1,477.46	3/4	1,780.50	3/4	2,083.64	3/4	2,386.78	3/4	2,689.92	3/4	2,993.06
11	286.26	11	589.39	11	883.44	11	1,182.13	11	1,483.68	11	1,786.81	11	2,089.95	11	2,393.09	11	2,696.23	11	2,999.37
1/4	292.57	1/4	595.70	1/4	889.48	1/4	1,188.44	1/4	1,489.99	1/4	1,793.13	1/4	2,096.27	1/4	2,399.41	1/4	2,702.55	1/4	3,005.69
1/2	298.89	1/2	602.02	1/2	895.51	1/2	1,194.76	1/2	1,496.31	1/2	1,799.45	1/2	2,102.58	1/2	2,405.72	1/2	2,708.86	1/2	3,012.00
3/4	305.20	3/4	608.33	3/4	901.55	3/4	1,201.07	3/4	1,502.62	3/4	1,805.76	3/4	2,108.90	3/4	2,412.04	3/4	2,715.18	3/4	3,018.32

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES.

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

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

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "MM 302"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,024.63	0	3,327.77	0	3,630.89	0	3,934.01	0	4,235.59	0		0		0		0		0	
1/4	3,030.95	1/4	3,334.08	1/4	3,637.20	1/4	3,940.32	1/4	4,241.82	1/4		1/4		1/4		1/4		1/4	
1/2	3,037.26	1/2	3,340.40	1/2	3,643.52	1/2	3,946.64	1/2	4,248.04	1/2		1/2		1/2		1/2		1/2	
3/4	3,043.58	3/4	3,346.71	3/4	3,649.83	3/4	3,952.95	3/4	4,254.26	3/4		3/4		3/4		3/4		3/4	
1	3,049.89	1	3,353.03	1	3,656.15	1	3,959.27	1	4,260.48	1		1		1		1		1	
1/4	3,056.21	1/4	3,359.34	1/4	3,662.46	1/4	3,965.58	1/4	4,266.10	1/4		1/4		1/4		1/4		1/4	
1/2	3,062.53	1/2	3,365.66	1/2	3,668.78	1/2	3,971.90	1/2	4,271.72	1/2		1/2		1/2		1/2		1/2	
3/4	3,068.84	3/4	3,371.97	3/4	3,675.09	3/4	3,978.21	3/4	4,277.34	3/4		3/4		3/4		3/4		3/4	
2	3,075.16	2	3,378.29	2	3,681.41	2	3,984.53	2	4,282.96	2		2		2		2		2	
1/4	3,081.47	1/4	3,384.60	1/4	3,687.72	1/4	3,990.84	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,087.79	1/2	3,390.92	1/2	3,694.04	1/2	3,997.16	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,094.10	3/4	3,397.23	3/4	3,700.35	3/4	4,003.47	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,100.42	3	3,403.55	3	3,706.67	3	4,009.79	3		3		3		3		3		3	
1/4	3,106.73	1/4	3,409.86	1/4	3,712.98	1/4	4,016.10	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,113.05	1/2	3,416.18	1/2	3,719.30	1/2	4,022.42	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,119.36	3/4	3,422.49	3/4	3,725.61	3/4	4,028.73	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,125.68	4	3,428.81	4	3,731.93	4	4,035.05	4		4		4		4		4		4	
1/4	3,131.99	1/4	3,435.12	1/4	3,738.24	1/4	4,041.36	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,138.31	1/2	3,441.44	1/2	3,744.56	1/2	4,047.68	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,144.63	3/4	3,447.75	3/4	3,750.87	3/4	4,053.99	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,150.94	5	3,454.07	5	3,757.19	5	4,060.31	5		5		5		5		5		5	
1/4	3,157.26	1/4	3,460.38	1/4	3,763.50	1/4	4,066.62	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,163.57	1/2	3,466.70	1/2	3,769.82	1/2	4,072.94	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,169.89	3/4	3,473.01	3/4	3,776.13	3/4	4,079.25	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,176.20	6	3,479.33	6	3,782.45	6	4,085.57	6		6		6		6		6		6	
1/4	3,182.52	1/4	3,485.64	1/4	3,788.76	1/4	4,091.82	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,188.83	1/2	3,491.96	1/2	3,795.08	1/2	4,098.07	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,195.15	3/4	3,498.27	3/4	3,801.39	3/4	4,104.33	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,201.46	7	3,504.59	7	3,807.71	7	4,110.58	7		7		7		7		7		7	
1/4	3,207.78	1/4	3,510.90	1/4	3,814.02	1/4	4,116.83	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,214.10	1/2	3,517.22	1/2	3,820.34	1/2	4,123.08	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,220.41	3/4	3,523.53	3/4	3,826.65	3/4	4,129.34	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,226.73	8	3,529.85	8	3,832.97	8	4,135.59	8		8		8		8		8		8	
1/4	3,233.04	1/4	3,536.16	1/4	3,839.28	1/4	4,141.84	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,239.36	1/2	3,542.48	1/2	3,845.60	1/2	4,148.09	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,245.67	3/4	3,548.79	3/4	3,851.91	3/4	4,154.35	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,251.99	9	3,555.11	9	3,858.23	9	4,160.60	9		9		9		9		9		9	
1/4	3,258.30	1/4	3,561.42	1/4	3,864.54	1/4	4,166.85	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,264.62	1/2	3,567.74	1/2	3,870.86	1/2	4,173.10	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,270.93	3/4	3,574.05	3/4	3,877.17	3/4	4,179.36	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,277.25	10	3,580.37	10	3,883.49	10	4,185.61	10		10		10		10		10		10	
1/4	3,283.56	1/4	3,586.68	1/4	3,889.80	1/4	4,191.86	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,289.88	1/2	3,593.00	1/2	3,896.12	1/2	4,198.11	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,296.19	3/4	3,599.31	3/4	3,902.43	3/4	4,204.37	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,302.51	11	3,605.63	11	3,908.75	11	4,210.62	11		11		11		11		11		11	
1/4	3,308.82	1/4	3,611.94	1/4	3,915.06	1/4	4,216.86	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,315.14	1/2	3,618.26	1/2	3,921.38	1/2	4,223.11	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,321.45	3/4	3,624.57	3/4	3,927.69	3/4	4,229.35	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/25/2015 CL
CALCULATED: 02/25/2015 CL
PRINTED: 03/01/2015 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2015

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



BARGE "MM 302"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	22.79	0	311.61	0	614.82	0	917.88	0	1,221.10	0	1,522.74	0	1,825.96	0	2,129.19	0	2,432.41	0	2,735.64
1/4	27.04	1/4	317.92	1/4	621.14	1/4	924.19	1/4	1,227.42	1/4	1,529.05	1/4	1,832.28	1/4	2,135.51	1/4	2,438.73	1/4	2,741.96
1/2	31.29	1/2	324.24	1/2	627.46	1/2	930.51	1/2	1,233.74	1/2	1,535.37	1/2	1,838.60	1/2	2,141.82	1/2	2,445.05	1/2	2,748.27
3/4	35.54	3/4	330.56	3/4	633.77	3/4	936.83	3/4	1,240.05	3/4	1,541.69	3/4	1,844.91	3/4	2,148.14	3/4	2,451.37	3/4	2,754.59
1	39.79	1	336.87	1	640.09	1	943.14	1	1,246.37	1	1,548.01	1	1,851.23	1	2,154.46	1	2,457.68	1	2,760.91
1/4	45.30	1/4	343.19	1/4	646.41	1/4	949.46	1/4	1,252.69	1/4	1,554.32	1/4	1,857.55	1/4	2,160.77	1/4	2,464.00	1/4	2,767.23
1/2	50.81	1/2	349.51	1/2	652.72	1/2	955.78	1/2	1,259.00	1/2	1,560.64	1/2	1,863.87	1/2	2,167.09	1/2	2,470.32	1/2	2,773.54
3/4	56.33	3/4	355.82	3/4	659.04	3/4	962.10	3/4	1,265.32	3/4	1,566.96	3/4	1,870.18	3/4	2,173.41	3/4	2,476.63	3/4	2,779.86
2	61.84	2	362.14	2	665.36	2	968.41	2	1,271.64	2	1,573.28	2	1,876.50	2	2,179.73	2	2,482.95	2	2,786.18
1/4	67.95	1/4	368.46	1/4	671.67	1/4	974.73	1/4	1,277.96	1/4	1,579.59	1/4	1,882.82	1/4	2,186.04	1/4	2,489.27	1/4	2,792.49
1/2	74.07	1/2	374.78	1/2	677.99	1/2	981.05	1/2	1,284.27	1/2	1,585.91	1/2	1,889.14	1/2	2,192.36	1/2	2,495.59	1/2	2,798.81
3/4	80.18	3/4	381.09	3/4	684.31	3/4	987.36	3/4	1,290.59	3/4	1,592.23	3/4	1,895.45	3/4	2,198.68	3/4	2,501.90	3/4	2,805.13
3	86.29	3	387.41	3	690.63	3	993.68	3	1,296.91	3	1,598.54	3	1,901.77	3	2,205.00	3	2,508.22	3	2,811.45
1/4	92.43	1/4	393.73	1/4	696.94	1/4	1,000.00	1/4	1,303.22	1/4	1,604.86	1/4	1,908.09	1/4	2,211.31	1/4	2,514.54	1/4	2,817.76
1/2	98.57	1/2	400.04	1/2	703.25	1/2	1,006.32	1/2	1,309.54	1/2	1,611.18	1/2	1,914.40	1/2	2,217.63	1/2	2,520.86	1/2	2,824.08
3/4	104.70	3/4	406.36	3/4	709.56	3/4	1,012.63	3/4	1,315.86	3/4	1,617.50	3/4	1,920.72	3/4	2,223.95	3/4	2,527.17	3/4	2,830.40
4	110.84	4	412.68	4	715.87	4	1,018.95	4	1,322.18	4	1,623.81	4	1,927.04	4	2,230.26	4	2,533.49	4	2,836.72
1/4	116.98	1/4	418.99	1/4	722.19	1/4	1,025.27	1/4	1,328.49	1/4	1,630.13	1/4	1,933.36	1/4	2,236.58	1/4	2,539.81	1/4	2,843.03
1/2	123.13	1/2	425.31	1/2	728.50	1/2	1,031.58	1/2	1,334.81	1/2	1,636.45	1/2	1,939.67	1/2	2,242.90	1/2	2,546.12	1/2	2,849.35
3/4	129.27	3/4	431.63	3/4	734.81	3/4	1,037.90	3/4	1,341.13	3/4	1,642.76	3/4	1,945.99	3/4	2,249.22	3/4	2,552.44	3/4	2,855.67
5	135.41	5	437.95	5	741.12	5	1,044.22	5	1,347.44	5	1,649.08	5	1,952.31	5	2,255.53	5	2,558.76	5	2,861.98
1/4	141.56	1/4	444.26	1/4	747.43	1/4	1,050.54	1/4	1,353.76	1/4	1,655.40	1/4	1,958.62	1/4	2,261.85	1/4	2,565.08	1/4	2,868.30
1/2	147.71	1/2	450.58	1/2	753.74	1/2	1,056.85	1/2	1,360.08	1/2	1,661.72	1/2	1,964.94	1/2	2,268.17	1/2	2,571.39	1/2	2,874.62
3/4	153.85	3/4	456.90	3/4	760.06	3/4	1,063.17	3/4	1,366.40	3/4	1,668.03	3/4	1,971.26	3/4	2,274.48	3/4	2,577.71	3/4	2,880.94
6	160.00	6	463.21	6	766.37	6	1,069.49	6	1,372.71	6	1,674.35	6	1,977.58	6	2,280.80	6	2,584.03	6	2,887.25
1/4	166.31	1/4	469.53	1/4	772.68	1/4	1,075.81	1/4	1,379.03	1/4	1,680.67	1/4	1,983.89	1/4	2,287.12	1/4	2,590.34	1/4	2,893.57
1/2	172.63	1/2	475.85	1/2	778.99	1/2	1,082.12	1/2	1,385.35	1/2	1,686.98	1/2	1,990.21	1/2	2,293.44	1/2	2,596.66	1/2	2,899.89
3/4	178.95	3/4	482.16	3/4	785.30	3/4	1,088.44	3/4	1,391.67	3/4	1,693.30	3/4	1,996.53	3/4	2,299.75	3/4	2,602.98	3/4	2,906.20
7	185.27	7	488.48	7	791.62	7	1,094.76	7	1,397.98	7	1,699.62	7	2,002.84	7	2,306.07	7	2,609.30	7	2,912.52
1/4	191.58	1/4	494.80	1/4	797.93	1/4	1,101.07	1/4	1,404.20	1/4	1,705.94	1/4	2,009.16	1/4	2,312.39	1/4	2,615.61	1/4	2,918.84
1/2	197.90	1/2	501.12	1/2	804.24	1/2	1,107.39	1/2	1,410.42	1/2	1,712.25	1/2	2,015.48	1/2	2,318.70	1/2	2,621.93	1/2	2,925.16
3/4	204.22	3/4	507.43	3/4	810.55	3/4	1,113.71	3/4	1,416.64	3/4	1,718.57	3/4	2,021.80	3/4	2,325.02	3/4	2,628.25	3/4	2,931.47
8	210.53	8	513.75	8	816.86	8	1,120.03	8	1,422.85	8	1,724.89	8	2,028.11	8	2,331.34	8	2,634.56	8	2,937.79
1/4	216.85	1/4	520.07	1/4	823.18	1/4	1,126.34	1/4	1,429.07	1/4	1,731.21	1/4	2,034.43	1/4	2,337.66	1/4	2,640.88	1/4	2,944.11
1/2	223.17	1/2	526.38	1/2	829.49	1/2	1,132.66	1/2	1,435.29	1/2	1,737.52	1/2	2,040.75	1/2	2,343.97	1/2	2,647.20	1/2	2,950.42
3/4	229.48	3/4	532.70	3/4	835.80	3/4	1,138.98	3/4	1,441.51	3/4	1,743.84	3/4	2,047.07	3/4	2,350.29	3/4	2,653.52	3/4	2,956.74
9	235.80	9	539.02	9	842.11	9	1,145.29	9	1,447.73	9	1,750.16	9	2,053.38	9	2,356.61	9	2,659.83	9	2,963.06
1/4	242.12	1/4	545.33	1/4	848.42	1/4	1,151.61	1/4	1,453.94	1/4	1,756.47	1/4	2,059.70	1/4	2,362.93	1/4	2,666.15	1/4	2,969.38
1/2	248.44	1/2	551.65	1/2	854.74	1/2	1,157.93	1/2	1,460.16	1/2	1,762.79	1/2	2,066.02	1/2	2,369.24	1/2	2,672.47	1/2	2,975.69
3/4	254.75	3/4	557.97	3/4	861.05	3/4	1,164.25	3/4	1,466.38	3/4	1,769.11	3/4	2,072.33	3/4	2,375.56	3/4	2,678.79	3/4	2,982.01
10	261.07	10	564.29	10	867.36	10	1,170.56	10	1,472.60	10	1,775.43	10	2,078.65	10	2,381.88	10	2,685.10	10	2,988.33
1/4	267.39	1/4	570.60	1/4	873.67	1/4	1,176.88	1/4	1,478.82	1/4	1,781.74	1/4	2,084.97	1/4	2,388.19	1/4	2,691.42	1/4	2,994.65
1/2	273.70	1/2	576.92	1/2	879.98	1/2	1,183.20	1/2	1,485.03	1/2	1,788.06	1/2	2,091.29	1/2	2,394.51	1/2	2,697.74	1/2	3,000.96
3/4	280.02	3/4	583.24	3/4	886.29	3/4	1,189.51	3/4	1,491.25	3/4	1,794.38	3/4	2,097.60	3/4	2,400.83	3/4	2,704.05	3/4	3,007.28
11	286.34	11	589.55	11	892.61	11	1,195.83	11	1,497.47	11	1,800.69	11	2,103.92	11	2,407.15	11	2,710.37	11	3,013.60
1/4	292.65	1/4	595.87	1/4	898.92	1/4	1,202.15	1/4	1,503.79	1/4	1,807.01	1/4	2,110.24	1/4	2,413.46	1/4	2,716.69	1/4	3,019.91
1/2	298.97	1/2	602.19	1/2	905.24	1/2	1,208.47	1/2	1,510.10	1/2	1,813.33	1/2	2,116.55	1/2	2,419.78	1/2	2,723.01	1/2	3,026.23
3/4	305.29	3/4	608.50	3/4	911.56	3/4	1,214.78	3/4	1,516.42	3/4	1,819.65	3/4	2,122.87	3/4	2,426.10	3/4	2,729.32	3/4	3,032.55

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES.

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

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

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "MM 302"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,038.87	0	3,342.09	0	3,645.29	0	3,948.50	0	4,250.16	0		0		0		0		0	
1/4	3,045.18	1/4	3,348.40	1/4	3,651.61	1/4	3,954.82	1/4	4,256.39	1/4		1/4		1/4		1/4		1/4	
1/2	3,051.50	1/2	3,354.72	1/2	3,657.93	1/2	3,961.13	1/2	4,262.61	1/2		1/2		1/2		1/2		1/2	
3/4	3,057.82	3/4	3,361.04	3/4	3,664.24	3/4	3,967.45	3/4	4,268.84	3/4		3/4		3/4		3/4		3/4	
1	3,064.13	1	3,367.36	1	3,670.56	1	3,973.77	1	4,275.06	1		1		1		1		1	
1/4	3,070.45	1/4	3,373.67	1/4	3,676.88	1/4	3,980.08	1/4	4,280.68	1/4		1/4		1/4		1/4		1/4	
1/2	3,076.77	1/2	3,379.99	1/2	3,683.20	1/2	3,986.40	1/2	4,286.30	1/2		1/2		1/2		1/2		1/2	
3/4	3,083.09	3/4	3,386.31	3/4	3,689.51	3/4	3,992.72	3/4	4,291.92	3/4		3/4		3/4		3/4		3/4	
2	3,089.40	2	3,392.62	2	3,695.83	2	3,999.04	2	4,297.54	2		2		2		2		2	
1/4	3,095.72	1/4	3,398.94	1/4	3,702.15	1/4	4,005.35	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,102.04	1/2	3,405.26	1/2	3,708.46	1/2	4,011.67	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,108.35	3/4	3,411.57	3/4	3,714.78	3/4	4,017.99	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,114.67	3	3,417.89	3	3,721.10	3	4,024.30	3		3		3		3		3		3	
1/4	3,120.99	1/4	3,424.21	1/4	3,727.41	1/4	4,030.62	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,127.31	1/2	3,430.52	1/2	3,733.73	1/2	4,036.94	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,133.62	3/4	3,436.84	3/4	3,740.05	3/4	4,043.25	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,139.94	4	3,443.16	4	3,746.36	4	4,049.57	4		4		4		4		4		4	
1/4	3,146.26	1/4	3,449.47	1/4	3,752.68	1/4	4,055.89	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,152.58	1/2	3,455.79	1/2	3,759.00	1/2	4,062.20	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,158.89	3/4	3,462.11	3/4	3,765.31	3/4	4,068.52	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,165.21	5	3,468.42	5	3,771.63	5	4,074.84	5		5		5		5		5		5	
1/4	3,171.53	1/4	3,474.74	1/4	3,777.95	1/4	4,081.15	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,177.84	1/2	3,481.06	1/2	3,784.26	1/2	4,087.47	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,184.16	3/4	3,487.37	3/4	3,790.58	3/4	4,093.79	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,190.48	6	3,493.69	6	3,796.90	6	4,100.10	6		6		6		6		6		6	
1/4	3,196.80	1/4	3,500.01	1/4	3,803.21	1/4	4,106.36	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,203.11	1/2	3,506.32	1/2	3,809.53	1/2	4,112.61	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,209.43	3/4	3,512.64	3/4	3,815.85	3/4	4,118.87	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,215.75	7	3,518.96	7	3,822.16	7	4,125.12	7		7		7		7		7		7	
1/4	3,222.06	1/4	3,525.28	1/4	3,828.48	1/4	4,131.38	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,228.38	1/2	3,531.59	1/2	3,834.80	1/2	4,137.63	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,234.70	3/4	3,537.91	3/4	3,841.12	3/4	4,143.88	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,241.02	8	3,544.23	8	3,847.43	8	4,150.14	8		8		8		8		8		8	
1/4	3,247.33	1/4	3,550.54	1/4	3,853.75	1/4	4,156.39	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,253.65	1/2	3,556.86	1/2	3,860.07	1/2	4,162.65	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,259.97	3/4	3,563.18	3/4	3,866.38	3/4	4,168.90	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,266.28	9	3,569.49	9	3,872.70	9	4,175.15	9		9		9		9		9		9	
1/4	3,272.60	1/4	3,575.81	1/4	3,879.02	1/4	4,181.41	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,278.92	1/2	3,582.13	1/2	3,885.33	1/2	4,187.66	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,285.24	3/4	3,588.44	3/4	3,891.65	3/4	4,193.92	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,291.55	10	3,594.76	10	3,897.97	10	4,200.17	10		10		10		10		10		10	
1/4	3,297.87	1/4	3,601.08	1/4	3,904.28	1/4	4,206.42	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,304.19	1/2	3,607.39	1/2	3,910.60	1/2	4,212.68	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,310.50	3/4	3,613.71	3/4	3,916.92	3/4	4,218.93	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,316.82	11	3,620.03	11	3,923.23	11	4,225.18	11		11		11		11		11		11	
1/4	3,323.14	1/4	3,626.34	1/4	3,929.55	1/4	4,231.43	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,329.45	1/2	3,632.66	1/2	3,935.87	1/2	4,237.67	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,335.77	3/4	3,638.98	3/4	3,942.18	3/4	4,243.92	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/25/2015 CL
CALCULATED: 02/25/2015 CL
PRINTED: 03/01/2015 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2015

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



BARGE "MM 302"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	22.83	0	312.14	0	615.88	0	909.41	0	1,209.81	0	1,511.97	0	1,815.71	0	2,119.46	0	2,423.21	0	2,726.96
1/4	27.08	1/4	318.47	1/4	622.20	1/4	915.46	1/4	1,216.13	1/4	1,518.29	1/4	1,822.04	1/4	2,125.79	1/4	2,429.54	1/4	2,733.29
1/2	31.34	1/2	324.80	1/2	628.53	1/2	921.51	1/2	1,222.46	1/2	1,524.62	1/2	1,828.37	1/2	2,132.12	1/2	2,435.87	1/2	2,739.62
3/4	35.60	3/4	331.13	3/4	634.86	3/4	927.56	3/4	1,228.79	3/4	1,530.95	3/4	1,834.70	3/4	2,138.45	3/4	2,442.20	3/4	2,745.95
1	39.86	1	337.45	1	641.19	1	933.61	1	1,235.12	1	1,537.28	1	1,841.03	1	2,144.78	1	2,448.52	1	2,752.27
1/4	45.38	1/4	343.78	1/4	647.52	1/4	939.65	1/4	1,241.45	1/4	1,543.61	1/4	1,847.36	1/4	2,151.10	1/4	2,454.85	1/4	2,758.60
1/2	50.90	1/2	350.11	1/2	653.84	1/2	945.70	1/2	1,247.77	1/2	1,549.93	1/2	1,853.68	1/2	2,157.43	1/2	2,461.18	1/2	2,764.93
3/4	56.42	3/4	356.44	3/4	660.17	3/4	951.75	3/4	1,254.10	3/4	1,556.26	3/4	1,860.01	3/4	2,163.76	3/4	2,467.51	3/4	2,771.26
2	61.94	2	362.76	2	666.50	2	957.80	2	1,260.43	2	1,562.59	2	1,866.34	2	2,170.09	2	2,473.84	2	2,777.59
1/4	68.07	1/4	369.09	1/4	672.83	1/4	963.85	1/4	1,266.76	1/4	1,568.92	1/4	1,872.67	1/4	2,176.42	1/4	2,480.17	1/4	2,783.91
1/2	74.19	1/2	375.42	1/2	679.15	1/2	969.90	1/2	1,273.09	1/2	1,575.25	1/2	1,879.00	1/2	2,182.74	1/2	2,486.49	1/2	2,790.24
3/4	80.32	3/4	381.75	3/4	685.48	3/4	975.95	3/4	1,279.41	3/4	1,581.57	3/4	1,885.32	3/4	2,189.07	3/4	2,492.82	3/4	2,796.57
3	86.44	3	388.08	3	691.81	3	982.00	3	1,285.74	3	1,587.90	3	1,891.65	3	2,195.40	3	2,499.15	3	2,802.90
1/4	92.59	1/4	394.40	1/4	697.85	1/4	988.33	1/4	1,292.07	1/4	1,594.23	1/4	1,897.98	1/4	2,201.73	1/4	2,505.48	1/4	2,809.23
1/2	98.74	1/2	400.73	1/2	703.90	1/2	994.65	1/2	1,298.40	1/2	1,600.56	1/2	1,904.31	1/2	2,208.06	1/2	2,511.81	1/2	2,815.55
3/4	104.88	3/4	407.06	3/4	709.94	3/4	1,000.98	3/4	1,304.73	3/4	1,606.89	3/4	1,910.64	3/4	2,214.38	3/4	2,518.13	3/4	2,821.88
4	111.03	4	413.39	4	715.99	4	1,007.31	4	1,311.05	4	1,613.22	4	1,916.96	4	2,220.71	4	2,524.46	4	2,828.21
1/4	117.18	1/4	419.71	1/4	722.03	1/4	1,013.64	1/4	1,317.38	1/4	1,619.54	1/4	1,923.29	1/4	2,227.04	1/4	2,530.79	1/4	2,834.54
1/2	123.34	1/2	426.04	1/2	728.07	1/2	1,019.97	1/2	1,323.71	1/2	1,625.87	1/2	1,929.62	1/2	2,233.37	1/2	2,537.12	1/2	2,840.87
3/4	129.49	3/4	432.37	3/4	734.12	3/4	1,026.29	3/4	1,330.04	3/4	1,632.20	3/4	1,935.95	3/4	2,239.70	3/4	2,543.45	3/4	2,847.19
5	135.65	5	438.70	5	740.16	5	1,032.62	5	1,336.37	5	1,638.53	5	1,942.28	5	2,246.03	5	2,549.77	5	2,853.52
1/4	141.80	1/4	445.03	1/4	746.20	1/4	1,038.95	1/4	1,342.69	1/4	1,644.86	1/4	1,948.60	1/4	2,252.35	1/4	2,556.10	1/4	2,859.85
1/2	147.96	1/2	451.35	1/2	752.25	1/2	1,045.28	1/2	1,349.02	1/2	1,651.18	1/2	1,954.93	1/2	2,258.68	1/2	2,562.43	1/2	2,866.18
3/4	154.12	3/4	457.68	3/4	758.29	3/4	1,051.61	3/4	1,355.35	3/4	1,657.51	3/4	1,961.26	3/4	2,265.01	3/4	2,568.76	3/4	2,872.51
6	160.27	6	464.01	6	764.34	6	1,057.93	6	1,361.68	6	1,663.84	6	1,967.59	6	2,271.34	6	2,575.09	6	2,878.84
1/4	166.60	1/4	470.34	1/4	770.38	1/4	1,064.26	1/4	1,368.01	1/4	1,670.17	1/4	1,973.92	1/4	2,277.67	1/4	2,581.41	1/4	2,885.16
1/2	172.93	1/2	476.66	1/2	776.42	1/2	1,070.59	1/2	1,374.33	1/2	1,676.50	1/2	1,980.25	1/2	2,283.99	1/2	2,587.74	1/2	2,891.49
3/4	179.26	3/4	482.99	3/4	782.47	3/4	1,076.92	3/4	1,380.66	3/4	1,682.82	3/4	1,986.57	3/4	2,290.32	3/4	2,594.07	3/4	2,897.82
7	185.59	7	489.32	7	788.51	7	1,083.25	7	1,386.99	7	1,689.15	7	1,992.90	7	2,296.65	7	2,600.40	7	2,904.15
1/4	191.91	1/4	495.65	1/4	794.55	1/4	1,089.57	1/4	1,393.22	1/4	1,695.48	1/4	1,999.23	1/4	2,302.98	1/4	2,606.73	1/4	2,910.48
1/2	198.24	1/2	501.98	1/2	800.60	1/2	1,095.90	1/2	1,399.45	1/2	1,701.81	1/2	2,005.56	1/2	2,309.31	1/2	2,613.06	1/2	2,916.80
3/4	204.57	3/4	508.30	3/4	806.64	3/4	1,102.23	3/4	1,405.68	3/4	1,708.14	3/4	2,011.89	3/4	2,315.63	3/4	2,619.38	3/4	2,923.13
8	210.90	8	514.63	8	812.69	8	1,108.56	8	1,411.91	8	1,714.46	8	2,018.21	8	2,321.96	8	2,625.71	8	2,929.46
1/4	217.23	1/4	520.96	1/4	818.73	1/4	1,114.89	1/4	1,418.14	1/4	1,720.79	1/4	2,024.54	1/4	2,328.29	1/4	2,632.04	1/4	2,935.79
1/2	223.55	1/2	527.29	1/2	824.77	1/2	1,121.21	1/2	1,424.36	1/2	1,727.12	1/2	2,030.87	1/2	2,334.62	1/2	2,638.37	1/2	2,942.12
3/4	229.88	3/4	533.62	3/4	830.82	3/4	1,127.54	3/4	1,430.59	3/4	1,733.45	3/4	2,037.20	3/4	2,340.95	3/4	2,644.70	3/4	2,948.44
9	236.21	9	539.94	9	836.86	9	1,133.87	9	1,436.82	9	1,739.78	9	2,043.53	9	2,347.27	9	2,651.02	9	2,954.77
1/4	242.54	1/4	546.27	1/4	842.91	1/4	1,140.20	1/4	1,443.05	1/4	1,746.11	1/4	2,049.85	1/4	2,353.60	1/4	2,657.35	1/4	2,961.10
1/2	248.86	1/2	552.60	1/2	848.95	1/2	1,146.53	1/2	1,449.28	1/2	1,752.43	1/2	2,056.18	1/2	2,359.93	1/2	2,663.68	1/2	2,967.43
3/4	255.19	3/4	558.93	3/4	854.99	3/4	1,152.85	3/4	1,455.51	3/4	1,758.76	3/4	2,062.51	3/4	2,366.26	3/4	2,670.01	3/4	2,973.76
10	261.52	10	565.25	10	861.04	10	1,159.18	10	1,461.74	10	1,765.09	10	2,068.84	10	2,372.59	10	2,676.34	10	2,980.08
1/4	267.85	1/4	571.58	1/4	867.08	1/4	1,165.51	1/4	1,467.97	1/4	1,771.42	1/4	2,075.17	1/4	2,378.92	1/4	2,682.66	1/4	2,986.41
1/2	274.18	1/2	577.91	1/2	873.12	1/2	1,171.84	1/2	1,474.20	1/2	1,777.75	1/2	2,081.49	1/2	2,385.24	1/2	2,688.99	1/2	2,992.74
3/4	280.50	3/4	584.24	3/4	879.17	3/4	1,178.17	3/4	1,480.42	3/4	1,784.07	3/4	2,087.82	3/4	2,391.57	3/4	2,695.32	3/4	2,999.07
11	286.83	11	590.57	11	885.21	11	1,184.49	11	1,486.65	11	1,790.40	11	2,094.15	11	2,397.90	11	2,701.65	11	3,005.40
1/4	293.16	1/4	596.89	1/4	891.26	1/4	1,190.82	1/4	1,492.98	1/4	1,796.73	1/4	2,100.48	1/4	2,404.23	1/4	2,707.98	1/4	3,011.73
1/2	299.49	1/2	603.22	1/2	897.31	1/2	1,197.15	1/2	1,499.31	1/2	1,803.06	1/2	2,106.81	1/2	2,410.56	1/2	2,714.30	1/2	3,018.05
3/4	305.81	3/4	609.55	3/4	903.36	3/4	1,203.48	3/4	1,505.64	3/4	1,809.39	3/4	2,113.14	3/4	2,416.88	3/4	2,720.63	3/4	3,024.38

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES.

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

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

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "MM 302"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,030.71	0	3,334.45	0	3,638.18	0	3,941.90	0	4,244.09	0		0		0		0		0	
1/4	3,037.04	1/4	3,340.78	1/4	3,644.51	1/4	3,948.23	1/4	4,250.33	1/4		1/4		1/4		1/4		1/4	
1/2	3,043.37	1/2	3,347.11	1/2	3,650.83	1/2	3,954.56	1/2	4,256.56	1/2		1/2		1/2		1/2		1/2	
3/4	3,049.69	3/4	3,353.44	3/4	3,657.16	3/4	3,960.89	3/4	4,262.80	3/4		3/4		3/4		3/4		3/4	
1	3,056.02	1	3,359.76	1	3,663.49	1	3,967.21	1	4,269.03	1		1		1		1		1	
1/4	3,062.35	1/4	3,366.09	1/4	3,669.82	1/4	3,973.54	1/4	4,274.66	1/4		1/4		1/4		1/4		1/4	
1/2	3,068.68	1/2	3,372.42	1/2	3,676.14	1/2	3,979.87	1/2	4,280.29	1/2		1/2		1/2		1/2		1/2	
3/4	3,075.01	3/4	3,378.75	3/4	3,682.47	3/4	3,986.20	3/4	4,285.93	3/4		3/4		3/4		3/4		3/4	
2	3,081.33	2	3,385.08	2	3,688.80	2	3,992.52	2	4,291.56	2		2		2		2		2	
1/4	3,087.66	1/4	3,391.40	1/4	3,695.13	1/4	3,998.85	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,093.99	1/2	3,397.73	1/2	3,701.46	1/2	4,005.18	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,100.32	3/4	3,404.06	3/4	3,707.78	3/4	4,011.51	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,106.65	3	3,410.39	3	3,714.11	3	4,017.84	3		3		3		3		3		3	
1/4	3,112.98	1/4	3,416.71	1/4	3,720.44	1/4	4,024.16	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,119.30	1/2	3,423.04	1/2	3,726.77	1/2	4,030.49	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,125.63	3/4	3,429.37	3/4	3,733.09	3/4	4,036.82	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,131.96	4	3,435.70	4	3,739.42	4	4,043.15	4		4		4		4		4		4	
1/4	3,138.29	1/4	3,442.02	1/4	3,745.75	1/4	4,049.47	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,144.62	1/2	3,448.35	1/2	3,752.08	1/2	4,055.80	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,150.94	3/4	3,454.68	3/4	3,758.40	3/4	4,062.13	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,157.27	5	3,461.01	5	3,764.73	5	4,068.46	5		5		5		5		5		5	
1/4	3,163.60	1/4	3,467.33	1/4	3,771.06	1/4	4,074.78	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,169.93	1/2	3,473.66	1/2	3,777.39	1/2	4,081.11	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,176.26	3/4	3,479.99	3/4	3,783.71	3/4	4,087.44	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,182.58	6	3,486.32	6	3,790.04	6	4,093.77	6		6		6		6		6		6	
1/4	3,188.91	1/4	3,492.64	1/4	3,796.37	1/4	4,100.03	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,195.24	1/2	3,498.97	1/2	3,802.70	1/2	4,106.30	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,201.57	3/4	3,505.30	3/4	3,809.02	3/4	4,112.56	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,207.90	7	3,511.63	7	3,815.35	7	4,118.83	7		7		7		7		7		7	
1/4	3,214.22	1/4	3,517.95	1/4	3,821.68	1/4	4,125.09	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,220.55	1/2	3,524.28	1/2	3,828.01	1/2	4,131.36	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,226.88	3/4	3,530.61	3/4	3,834.33	3/4	4,137.62	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,233.21	8	3,536.94	8	3,840.66	8	4,143.89	8		8		8		8		8		8	
1/4	3,239.54	1/4	3,543.27	1/4	3,846.99	1/4	4,150.15	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,245.87	1/2	3,549.59	1/2	3,853.32	1/2	4,156.42	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,252.19	3/4	3,555.92	3/4	3,859.65	3/4	4,162.68	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,258.52	9	3,562.25	9	3,865.97	9	4,168.95	9		9		9		9		9		9	
1/4	3,264.85	1/4	3,568.58	1/4	3,872.30	1/4	4,175.21	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,271.18	1/2	3,574.90	1/2	3,878.63	1/2	4,181.48	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,277.51	3/4	3,581.23	3/4	3,884.96	3/4	4,187.74	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,283.83	10	3,587.56	10	3,891.28	10	4,194.01	10		10		10		10		10		10	
1/4	3,290.16	1/4	3,593.89	1/4	3,897.61	1/4	4,200.27	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,296.49	1/2	3,600.21	1/2	3,903.94	1/2	4,206.54	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,302.82	3/4	3,606.54	3/4	3,910.27	3/4	4,212.80	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,309.14	11	3,612.87	11	3,916.59	11	4,219.07	11		11		11		11		11		11	
1/4	3,315.47	1/4	3,619.20	1/4	3,922.92	1/4	4,225.32	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,321.80	1/2	3,625.52	1/2	3,929.25	1/2	4,231.58	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,328.13	3/4	3,631.85	3/4	3,935.58	3/4	4,237.84	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/25/2015 CL
CALCULATED: 02/25/2015 CL
PRINTED: 03/01/2015 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2015

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



BARGE "MM 302"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	22.83	0	312.14	0	615.88	0	919.45	0	1,223.20	0	1,525.36	0	1,829.11	0	2,132.86	0	2,436.61	0	2,740.35
1/4	27.08	1/4	318.47	1/4	622.21	1/4	925.78	1/4	1,229.53	1/4	1,531.69	1/4	1,835.44	1/4	2,139.18	1/4	2,442.93	1/4	2,746.68
1/2	31.34	1/2	324.80	1/2	628.54	1/2	932.11	1/2	1,235.86	1/2	1,538.02	1/2	1,841.76	1/2	2,145.51	1/2	2,449.26	1/2	2,753.01
3/4	35.60	3/4	331.13	3/4	634.87	3/4	938.44	3/4	1,242.19	3/4	1,544.34	3/4	1,848.09	3/4	2,151.84	3/4	2,455.59	3/4	2,759.34
1	39.86	1	337.45	1	641.19	1	944.77	1	1,248.52	1	1,550.67	1	1,854.42	1	2,158.17	1	2,461.92	1	2,765.67
1/4	45.38	1/4	343.78	1/4	647.52	1/4	951.10	1/4	1,254.84	1/4	1,557.00	1/4	1,860.75	1/4	2,164.50	1/4	2,468.25	1/4	2,771.99
1/2	50.90	1/2	350.11	1/2	653.85	1/2	957.42	1/2	1,261.17	1/2	1,563.33	1/2	1,867.08	1/2	2,170.83	1/2	2,474.57	1/2	2,778.32
3/4	56.42	3/4	356.44	3/4	660.18	3/4	963.75	3/4	1,267.50	3/4	1,569.66	3/4	1,873.40	3/4	2,177.15	3/4	2,480.90	3/4	2,784.65
2	61.94	2	362.77	2	666.50	2	970.08	2	1,273.83	2	1,575.98	2	1,879.73	2	2,183.48	2	2,487.23	2	2,790.98
1/4	68.07	1/4	369.09	1/4	672.83	1/4	976.41	1/4	1,280.16	1/4	1,582.31	1/4	1,886.06	1/4	2,189.81	1/4	2,493.56	1/4	2,797.31
1/2	74.19	1/2	375.42	1/2	679.16	1/2	982.74	1/2	1,286.48	1/2	1,588.64	1/2	1,892.39	1/2	2,196.14	1/2	2,499.89	1/2	2,803.64
3/4	80.32	3/4	381.75	3/4	685.49	3/4	989.06	3/4	1,292.81	3/4	1,594.97	3/4	1,898.72	3/4	2,202.47	3/4	2,506.21	3/4	2,809.96
3	86.44	3	388.08	3	691.82	3	995.39	3	1,299.14	3	1,601.30	3	1,905.04	3	2,208.79	3	2,512.54	3	2,816.29
1/4	92.59	1/4	394.40	1/4	698.14	1/4	1,001.72	1/4	1,305.47	1/4	1,607.62	1/4	1,911.37	1/4	2,215.12	1/4	2,518.87	1/4	2,822.62
1/2	98.74	1/2	400.73	1/2	704.46	1/2	1,008.05	1/2	1,311.80	1/2	1,613.95	1/2	1,917.70	1/2	2,221.45	1/2	2,525.20	1/2	2,828.95
3/4	104.88	3/4	407.06	3/4	710.78	3/4	1,014.38	3/4	1,318.13	3/4	1,620.28	3/4	1,924.03	3/4	2,227.78	3/4	2,531.53	3/4	2,835.28
4	111.03	4	413.39	4	717.11	4	1,020.70	4	1,324.45	4	1,626.61	4	1,930.36	4	2,234.11	4	2,537.85	4	2,841.60
1/4	117.18	1/4	419.72	1/4	723.43	1/4	1,027.03	1/4	1,330.78	1/4	1,632.94	1/4	1,936.69	1/4	2,240.43	1/4	2,544.18	1/4	2,847.93
1/2	123.34	1/2	426.04	1/2	729.75	1/2	1,033.36	1/2	1,337.11	1/2	1,639.26	1/2	1,943.01	1/2	2,246.76	1/2	2,550.51	1/2	2,854.26
3/4	129.49	3/4	432.37	3/4	736.08	3/4	1,039.69	3/4	1,343.44	3/4	1,645.59	3/4	1,949.34	3/4	2,253.09	3/4	2,556.84	3/4	2,860.59
5	135.65	5	438.70	5	742.40	5	1,046.02	5	1,349.77	5	1,651.92	5	1,955.67	5	2,259.42	5	2,563.17	5	2,866.92
1/4	141.80	1/4	445.03	1/4	748.72	1/4	1,052.35	1/4	1,356.09	1/4	1,658.25	1/4	1,962.00	1/4	2,265.75	1/4	2,569.50	1/4	2,873.24
1/2	147.96	1/2	451.36	1/2	755.04	1/2	1,058.67	1/2	1,362.42	1/2	1,664.58	1/2	1,968.33	1/2	2,272.07	1/2	2,575.82	1/2	2,879.57
3/4	154.12	3/4	457.68	3/4	761.37	3/4	1,065.00	3/4	1,368.75	3/4	1,670.91	3/4	1,974.65	3/4	2,278.40	3/4	2,582.15	3/4	2,885.90
6	160.27	6	464.01	6	767.69	6	1,071.33	6	1,375.08	6	1,677.23	6	1,980.98	6	2,284.73	6	2,588.48	6	2,892.23
1/4	166.60	1/4	470.34	1/4	774.01	1/4	1,077.66	1/4	1,381.41	1/4	1,683.56	1/4	1,987.31	1/4	2,291.06	1/4	2,594.81	1/4	2,898.56
1/2	172.93	1/2	476.67	1/2	780.33	1/2	1,083.99	1/2	1,387.73	1/2	1,689.89	1/2	1,993.64	1/2	2,297.39	1/2	2,601.14	1/2	2,904.88
3/4	179.26	3/4	483.00	3/4	786.66	3/4	1,090.31	3/4	1,394.06	3/4	1,696.22	3/4	1,999.97	3/4	2,303.72	3/4	2,607.46	3/4	2,911.21
7	185.58	7	489.32	7	792.98	7	1,096.64	7	1,400.39	7	1,702.55	7	2,006.29	7	2,310.04	7	2,613.79	7	2,917.54
1/4	191.91	1/4	495.65	1/4	799.30	1/4	1,102.97	1/4	1,406.62	1/4	1,708.87	1/4	2,012.62	1/4	2,316.37	1/4	2,620.12	1/4	2,923.87
1/2	198.24	1/2	501.98	1/2	805.62	1/2	1,109.30	1/2	1,412.85	1/2	1,715.20	1/2	2,018.95	1/2	2,322.70	1/2	2,626.45	1/2	2,930.20
3/4	204.57	3/4	508.31	3/4	811.95	3/4	1,115.63	3/4	1,419.08	3/4	1,721.53	3/4	2,025.28	3/4	2,329.03	3/4	2,632.78	3/4	2,936.53
8	210.90	8	514.63	8	818.27	8	1,121.95	8	1,425.30	8	1,727.86	8	2,031.61	8	2,335.36	8	2,639.10	8	2,942.85
1/4	217.22	1/4	520.96	1/4	824.59	1/4	1,128.28	1/4	1,431.53	1/4	1,734.19	1/4	2,037.93	1/4	2,341.68	1/4	2,645.43	1/4	2,949.18
1/2	223.55	1/2	527.29	1/2	830.92	1/2	1,134.61	1/2	1,437.76	1/2	1,740.51	1/2	2,044.26	1/2	2,348.01	1/2	2,651.76	1/2	2,955.51
3/4	229.88	3/4	533.62	3/4	837.24	3/4	1,140.94	3/4	1,443.99	3/4	1,746.84	3/4	2,050.59	3/4	2,354.34	3/4	2,658.09	3/4	2,961.84
9	236.21	9	539.95	9	843.56	9	1,147.27	9	1,450.22	9	1,753.17	9	2,056.92	9	2,360.67	9	2,664.42	9	2,968.17
1/4	242.54	1/4	546.27	1/4	849.88	1/4	1,153.59	1/4	1,456.45	1/4	1,759.50	1/4	2,063.25	1/4	2,367.00	1/4	2,670.75	1/4	2,974.49
1/2	248.86	1/2	552.60	1/2	856.21	1/2	1,159.92	1/2	1,462.68	1/2	1,765.83	1/2	2,069.58	1/2	2,373.32	1/2	2,677.07	1/2	2,980.82
3/4	255.19	3/4	558.93	3/4	862.53	3/4	1,166.25	3/4	1,468.90	3/4	1,772.15	3/4	2,075.90	3/4	2,379.65	3/4	2,683.40	3/4	2,987.15
10	261.52	10	565.26	10	868.85	10	1,172.58	10	1,475.13	10	1,778.48	10	2,082.23	10	2,385.98	10	2,689.73	10	2,993.48
1/4	267.85	1/4	571.59	1/4	875.17	1/4	1,178.91	1/4	1,481.36	1/4	1,784.81	1/4	2,088.56	1/4	2,392.31	1/4	2,696.06	1/4	2,999.81
1/2	274.17	1/2	577.91	1/2	881.50	1/2	1,185.24	1/2	1,487.59	1/2	1,791.14	1/2	2,094.89	1/2	2,398.64	1/2	2,702.39	1/2	3,006.13
3/4	280.50	3/4	584.24	3/4	887.82	3/4	1,191.56	3/4	1,493.82	3/4	1,797.47	3/4	2,101.22	3/4	2,404.96	3/4	2,708.71	3/4	3,012.46
11	286.83	11	590.57	11	894.14	11	1,197.89	11	1,500.05	11	1,803.80	11	2,107.54	11	2,411.29	11	2,715.04	11	3,018.79
1/4	293.16	1/4	596.90	1/4	900.47	1/4	1,204.22	1/4	1,506.37	1/4	1,810.12	1/4	2,113.87	1/4	2,417.62	1/4	2,721.37	1/4	3,025.12
1/2	299.49	1/2	603.23	1/2	906.80	1/2	1,210.55	1/2	1,512.70	1/2	1,816.45	1/2	2,120.20	1/2	2,423.95	1/2	2,727.70	1/2	3,031.45
3/4	305.81	3/4	609.55	3/4	913.13	3/4	1,216.88	3/4	1,519.03	3/4	1,822.78	3/4	2,126.53	3/4	2,430.28	3/4	2,734.03	3/4	3,037.77

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES.

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

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

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "MM 302"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,044.10	0	3,347.85	0	3,651.57	0	3,955.30	0	4,257.49	0		0		0		0		0	
1/4	3,050.43	1/4	3,354.18	1/4	3,657.90	1/4	3,961.62	1/4	4,263.72	1/4		1/4		1/4		1/4		1/4	
1/2	3,056.76	1/2	3,360.50	1/2	3,664.23	1/2	3,967.95	1/2	4,269.96	1/2		1/2		1/2		1/2		1/2	
3/4	3,063.09	3/4	3,366.83	3/4	3,670.56	3/4	3,974.28	3/4	4,276.19	3/4		3/4		3/4		3/4		3/4	
1	3,069.42	1	3,373.16	1	3,676.88	1	3,980.61	1	4,282.43	1		1		1		1		1	
1/4	3,075.74	1/4	3,379.49	1/4	3,683.21	1/4	3,986.94	1/4	4,288.06	1/4		1/4		1/4		1/4		1/4	
1/2	3,082.07	1/2	3,385.81	1/2	3,689.54	1/2	3,993.26	1/2	4,293.69	1/2		1/2		1/2		1/2		1/2	
3/4	3,088.40	3/4	3,392.14	3/4	3,695.87	3/4	3,999.59	3/4	4,299.32	3/4		3/4		3/4		3/4		3/4	
2	3,094.73	2	3,398.47	2	3,702.19	2	4,005.92	2	4,304.95	2		2		2		2		2	
1/4	3,101.06	1/4	3,404.80	1/4	3,708.52	1/4	4,012.25	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,107.38	1/2	3,411.12	1/2	3,714.85	1/2	4,018.57	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,113.71	3/4	3,417.45	3/4	3,721.18	3/4	4,024.90	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,120.04	3	3,423.78	3	3,727.50	3	4,031.23	3		3		3		3		3		3	
1/4	3,126.37	1/4	3,430.11	1/4	3,733.83	1/4	4,037.56	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,132.70	1/2	3,436.43	1/2	3,740.16	1/2	4,043.88	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,139.02	3/4	3,442.76	3/4	3,746.49	3/4	4,050.21	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,145.35	4	3,449.09	4	3,752.81	4	4,056.54	4		4		4		4		4		4	
1/4	3,151.68	1/4	3,455.42	1/4	3,759.14	1/4	4,062.87	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,158.01	1/2	3,461.74	1/2	3,765.47	1/2	4,069.19	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,164.34	3/4	3,468.07	3/4	3,771.80	3/4	4,075.52	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,170.66	5	3,474.40	5	3,778.12	5	4,081.85	5		5		5		5		5		5	
1/4	3,176.99	1/4	3,480.73	1/4	3,784.45	1/4	4,088.18	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,183.32	1/2	3,487.05	1/2	3,790.78	1/2	4,094.50	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,189.65	3/4	3,493.38	3/4	3,797.11	3/4	4,100.83	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,195.98	6	3,499.71	6	3,803.43	6	4,107.16	6		6		6		6		6		6	
1/4	3,202.31	1/4	3,506.04	1/4	3,809.76	1/4	4,113.42	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,208.63	1/2	3,512.37	1/2	3,816.09	1/2	4,119.69	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,214.96	3/4	3,518.69	3/4	3,822.42	3/4	4,125.95	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,221.29	7	3,525.02	7	3,828.75	7	4,132.22	7		7		7		7		7		7	
1/4	3,227.62	1/4	3,531.35	1/4	3,835.07	1/4	4,138.48	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,233.95	1/2	3,537.68	1/2	3,841.40	1/2	4,144.75	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,240.27	3/4	3,544.00	3/4	3,847.73	3/4	4,151.01	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,246.60	8	3,550.33	8	3,854.06	8	4,157.28	8		8		8		8		8		8	
1/4	3,252.93	1/4	3,556.66	1/4	3,860.38	1/4	4,163.54	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,259.26	1/2	3,562.99	1/2	3,866.71	1/2	4,169.81	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,265.59	3/4	3,569.31	3/4	3,873.04	3/4	4,176.07	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,271.91	9	3,575.64	9	3,879.37	9	4,182.34	9		9		9		9		9		9	
1/4	3,278.24	1/4	3,581.97	1/4	3,885.69	1/4	4,188.60	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,284.57	1/2	3,588.30	1/2	3,892.02	1/2	4,194.87	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,290.90	3/4	3,594.62	3/4	3,898.35	3/4	4,201.13	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,297.23	10	3,600.95	10	3,904.68	10	4,207.40	10		10		10		10		10		10	
1/4	3,303.55	1/4	3,607.28	1/4	3,911.00	1/4	4,213.67	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,309.88	1/2	3,613.61	1/2	3,917.33	1/2	4,219.93	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,316.21	3/4	3,619.93	3/4	3,923.66	3/4	4,226.20	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,322.54	11	3,626.26	11	3,929.99	11	4,232.46	11		11		11		11		11		11	
1/4	3,328.86	1/4	3,632.59	1/4	3,936.31	1/4	4,238.72	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,335.19	1/2	3,638.92	1/2	3,942.64	1/2	4,244.98	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,341.52	3/4	3,645.24	3/4	3,948.97	3/4	4,251.23	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/25/2015 CL
CALCULATED: 02/25/2015 CL
PRINTED: 03/01/2015 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2015

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



BARGE "MM 302"

4 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 10'-08"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.	IN	10 FT.
0	17.08	0	227.45	0	445.48	0	656.24	0	871.69	0	1,087.03	0	1,304.75	0	1,522.17	0	1,739.40	0	1,956.62	0	
1/4	20.26	1/4	231.99	1/4	450.02	1/4	660.58	1/4	876.22	1/4	1,091.56	1/4	1,309.28	1/4	1,526.70	1/4	1,743.92	1/4	1,961.10	1/4	
1/2	23.43	1/2	236.53	1/2	454.56	1/2	664.92	1/2	880.75	1/2	1,096.09	1/2	1,313.82	1/2	1,531.22	1/2	1,748.45	1/2	1,965.58	1/2	
3/4	26.61	3/4	241.08	3/4	459.10	3/4	669.27	3/4	885.28	3/4	1,100.62	3/4	1,318.36	3/4	1,535.75	3/4	1,752.97	3/4	1,970.06	3/4	
1	29.79	1	245.62	1	463.64	1	673.61	1	889.82	1	1,105.15	1	1,322.90	1	1,540.27	1	1,757.50	1	1,974.54	1	
1/4	33.86	1/4	250.16	1/4	468.19	1/4	677.97	1/4	894.35	1/4	1,109.68	1/4	1,327.44	1/4	1,544.80	1/4	1,762.02	1/4	1,979.02	1/4	
1/2	37.94	1/2	254.70	1/2	472.73	1/2	682.33	1/2	898.88	1/2	1,114.21	1/2	1,331.97	1/2	1,549.33	1/2	1,766.55	1/2	1,983.50	1/2	
3/4	42.01	3/4	259.25	3/4	477.27	3/4	686.69	3/4	903.42	3/4	1,118.74	3/4	1,336.51	3/4	1,553.85	3/4	1,771.08	3/4	1,987.99	3/4	
2	46.09	2	263.79	2	481.81	2	691.06	2	907.95	2	1,123.27	2	1,341.05	2	1,558.38	2	1,775.60	2	1,992.47	2	
1/4	50.59	1/4	268.33	1/4	486.36	1/4	695.42	1/4	912.48	1/4	1,127.81	1/4	1,345.59	1/4	1,562.90	1/4	1,780.13	1/4	1,996.95	1/4	
1/2	55.10	1/2	272.87	1/2	490.90	1/2	699.78	1/2	917.02	1/2	1,132.34	1/2	1,350.13	1/2	1,567.43	1/2	1,784.65	1/2	2,001.43	1/2	
3/4	59.61	3/4	277.41	3/4	495.44	3/4	704.14	3/4	921.55	3/4	1,136.87	3/4	1,354.67	3/4	1,571.95	3/4	1,789.18	3/4	2,005.91	3/4	
3	64.12	3	281.96	3	499.98	3	708.50	3	926.08	3	1,141.40	3	1,359.20	3	1,576.48	3	1,793.70	3	2,010.39	3	
1/4	68.64	1/4	286.50	1/4	504.32	1/4	713.03	1/4	930.61	1/4	1,145.93	1/4	1,363.74	1/4	1,581.00	1/4	1,798.23	1/4	2,014.87	1/4	
1/2	73.17	1/2	291.04	1/2	508.67	1/2	717.56	1/2	935.15	1/2	1,150.46	1/2	1,368.28	1/2	1,585.53	1/2	1,802.75	1/2	2,019.35	1/2	
3/4	77.69	3/4	295.58	3/4	513.01	3/4	722.10	3/4	939.68	3/4	1,154.99	3/4	1,372.82	3/4	1,590.06	3/4	1,807.28	3/4	2,023.83	3/4	
4	82.22	4	300.13	4	517.35	4	726.63	4	944.21	4	1,159.52	4	1,377.36	4	1,594.58	4	1,811.80	4	2,028.31	4	
1/4	86.74	1/4	304.67	1/4	521.69	1/4	731.16	1/4	948.71	1/4	1,164.06	1/4	1,381.88	1/4	1,599.11	1/4	1,816.33	1/4	2,032.79	1/4	
1/2	91.27	1/2	309.21	1/2	526.03	1/2	735.70	1/2	953.20	1/2	1,168.60	1/2	1,386.41	1/2	1,603.63	1/2	1,820.86	1/2	2,037.27	1/2	
3/4	95.80	3/4	313.75	3/4	530.37	3/4	740.23	3/4	957.70	3/4	1,173.14	3/4	1,390.93	3/4	1,608.16	3/4	1,825.38	3/4	2,041.75	3/4	
5	100.33	5	318.29	5	534.72	5	744.76	5	962.19	5	1,177.68	5	1,395.46	5	1,612.68	5	1,829.91	5	2,046.23	5	
1/4	104.86	1/4	322.84	1/4	539.06	1/4	749.29	1/4	966.69	1/4	1,182.21	1/4	1,399.98	1/4	1,617.21	1/4	1,834.43	1/4	2,050.71	1/4	
1/2	109.39	1/2	327.38	1/2	543.39	1/2	753.83	1/2	971.19	1/2	1,186.75	1/2	1,404.51	1/2	1,621.73	1/2	1,838.96	1/2	2,055.18	1/2	
3/4	113.93	3/4	331.92	3/4	547.73	3/4	758.36	3/4	975.68	3/4	1,191.29	3/4	1,409.04	3/4	1,626.26	3/4	1,843.48	3/4	2,059.65	3/4	
6	118.46	6	336.46	6	552.07	6	762.89	6	980.18	6	1,195.83	6	1,413.56	6	1,630.78	6	1,848.01	6	2,064.13	6	
1/4	123.00	1/4	341.01	1/4	556.41	1/4	767.43	1/4	984.67	1/4	1,200.37	1/4	1,418.09	1/4	1,635.31	1/4	1,852.53	1/4	2,068.59	1/4	
1/2	127.54	1/2	345.55	1/2	560.75	1/2	771.96	1/2	989.17	1/2	1,204.91	1/2	1,422.61	1/2	1,639.84	1/2	1,857.06	1/2	2,073.05	1/2	
3/4	132.08	3/4	350.09	3/4	565.09	3/4	776.49	3/4	993.66	3/4	1,209.44	3/4	1,427.14	3/4	1,644.36	3/4	1,861.59	3/4	2,077.50	3/4	
7	136.62	7	354.63	7	569.43	7	781.03	7	998.16	7	1,213.98	7	1,431.66	7	1,648.89	7	1,866.11	7	2,081.96	7	
1/4	141.16	1/4	359.17	1/4	573.77	1/4	785.56	1/4	1,002.59	1/4	1,218.52	1/4	1,436.19	1/4	1,653.41	1/4	1,870.64	1/4	2,086.00	1/4	
1/2	145.70	1/2	363.72	1/2	578.11	1/2	790.09	1/2	1,007.02	1/2	1,223.06	1/2	1,440.71	1/2	1,657.94	1/2	1,875.16	1/2	2,090.04	1/2	
3/4	150.24	3/4	368.26	3/4	582.45	3/4	794.62	3/4	1,011.45	3/4	1,227.60	3/4	1,445.24	3/4	1,662.46	3/4	1,879.69	3/4	2,094.08	3/4	
8	154.78	8	372.80	8	586.79	8	799.16	8	1,015.88	8	1,232.13	8	1,449.76	8	1,666.99	8	1,884.21	8	2,098.12	8	
1/4	159.32	1/4	377.34	1/4	591.13	1/4	803.69	1/4	1,020.31	1/4	1,236.67	1/4	1,454.29	1/4	1,671.51	1/4	1,888.74	1/4	2,101.25	1/4	
1/2	163.86	1/2	381.89	1/2	595.46	1/2	808.22	1/2	1,024.74	1/2	1,241.21	1/2	1,458.82	1/2	1,676.04	1/2	1,893.26	1/2		1/2	
3/4	168.40	3/4	386.43	3/4	599.80	3/4	812.76	3/4	1,029.17	3/4	1,245.75	3/4	1,463.34	3/4	1,680.57	3/4	1,897.79	3/4		3/4	
9	172.94	9	390.97	9	604.14	9	817.29	9	1,033.60	9	1,250.29	9	1,467.87	9	1,685.09	9	1,902.31	9		9	
1/4	177.49	1/4	395.51	1/4	608.48	1/4	821.82	1/4	1,038.03	1/4	1,254.83	1/4	1,472.39	1/4	1,689.62	1/4	1,906.84	1/4		1/4	
1/2	182.03	1/2	400.05	1/2	612.82	1/2	826.36	1/2	1,042.46	1/2	1,259.36	1/2	1,476.92	1/2	1,694.14	1/2	1,911.37	1/2		1/2	
3/4	186.57	3/4	404.60	3/4	617.16	3/4	830.89	3/4	1,046.89	3/4	1,263.90	3/4	1,481.44	3/4	1,698.67	3/4	1,915.89	3/4		3/4	
10	191.11	10	409.14	10	621.50	10	835.42	10	1,051.32	10	1,268.44	10	1,485.97	10	1,703.19	10	1,920.42	10		10	
1/4	195.65	1/4	413.68	1/4	625.84	1/4	839.95	1/4	1,055.75	1/4	1,272.98	1/4	1,490.49	1/4	1,707.72	1/4	1,924.94	1/4		1/4	
1/2	200.20	1/2	418.22	1/2	630.18	1/2	844.49	1/2	1,060.18	1/2	1,277.52	1/2	1,495.02	1/2	1,712.24	1/2	1,929.47	1/2		1/2	
3/4	204.74	3/4	422.76	3/4	634.52	3/4	849.02	3/4	1,064.61	3/4	1,282.05	3/4	1,499.55	3/4	1,716.77	3/4	1,933.99	3/4		3/4	
11	209.28	11	427.31	11	638.86	11	853.55	11	1,069.05	11	1,286.59	11	1,504.07	11	1,721.29	11	1,938.52	11		11	
1/4	213.82	1/4	431.85	1/4	643.20	1/4	858.09	1/4	1,073.54	1/4	1,291.13	1/4	1,508.60	1/4	1,725.82	1/4	1,943.04	1/4		1/4	
1/2	218.37	1/2	436.39	1/2	647.55	1/2	862.62	1/2	1,078.04	1/2	1,295.67	1/2	1,513.12	1/2	1,730.35	1/2	1,947.57	1/2		1/2	
3/4	222.91	3/4	440.93	3/4	651.89	3/4	867.15	3/4	1,082.53	3/4	1,300.21	3/4	1,517.65	3/4	1,734.87	3/4	1,952.10	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES.

GAUGE POINT: (HERMETIC - 2" VALVE) LOCATED 12'-09" OFF CENTERLINE AND 48'-09" FORWARD OF AFT BULKHEAD.
GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 49'-09" FORWARD OF AFT BULKHEAD.

STRAPPED: 02/25/2015 CL
CALCULATED: 02/25/2015 CL
PRINTED: 03/01/2015 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2015

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



BARGE "MM 302"

4 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 10'-08 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.	IN	10 FT.
0	17.08	0	227.99	0	446.58	0	664.42	0	882.95	0	1,100.51	0	1,319.09	0	1,537.26	0	1,755.23	0	1,973.19	0	
1/4	20.26	1/4	232.54	1/4	451.13	1/4	668.96	1/4	887.51	1/4	1,105.06	1/4	1,323.64	1/4	1,541.80	1/4	1,759.77	1/4	1,977.69	1/4	
1/2	23.43	1/2	237.10	1/2	455.68	1/2	673.50	1/2	892.06	1/2	1,109.62	1/2	1,328.19	1/2	1,546.34	1/2	1,764.31	1/2	1,982.19	1/2	
3/4	26.61	3/4	241.65	3/4	460.24	3/4	678.04	3/4	896.62	3/4	1,114.17	3/4	1,332.75	3/4	1,550.88	3/4	1,768.85	3/4	1,986.68	3/4	
1	29.79	1	246.20	1	464.79	1	682.57	1	901.17	1	1,118.72	1	1,337.30	1	1,555.42	1	1,773.39	1	1,991.18	1	
1/4	33.87	1/4	250.76	1/4	469.34	1/4	687.13	1/4	905.72	1/4	1,123.28	1/4	1,341.86	1/4	1,559.96	1/4	1,777.93	1/4	1,995.67	1/4	
1/2	37.96	1/2	255.31	1/2	473.90	1/2	691.68	1/2	910.28	1/2	1,127.83	1/2	1,346.41	1/2	1,564.50	1/2	1,782.47	1/2	2,000.17	1/2	
3/4	42.05	3/4	259.87	3/4	478.45	3/4	696.24	3/4	914.83	3/4	1,132.39	3/4	1,350.96	3/4	1,569.05	3/4	1,787.01	3/4	2,004.67	3/4	
2	46.13	2	264.42	2	483.01	2	700.79	2	919.39	2	1,136.94	2	1,355.52	2	1,573.59	2	1,791.55	2	2,009.16	2	
1/4	50.65	1/4	268.97	1/4	487.56	1/4	705.34	1/4	923.94	1/4	1,141.49	1/4	1,360.07	1/4	1,578.13	1/4	1,796.10	1/4	2,013.66	1/4	
1/2	55.17	1/2	273.53	1/2	492.11	1/2	709.90	1/2	928.50	1/2	1,146.05	1/2	1,364.62	1/2	1,582.67	1/2	1,800.64	1/2	2,018.15	1/2	
3/4	59.69	3/4	278.08	3/4	496.67	3/4	714.45	3/4	933.05	3/4	1,150.60	3/4	1,369.18	3/4	1,587.21	3/4	1,805.18	3/4	2,022.65	3/4	
3	64.21	3	282.63	3	501.22	3	719.01	3	937.60	3	1,155.15	3	1,373.73	3	1,591.75	3	1,809.72	3	2,027.15	3	
1/4	68.75	1/4	287.19	1/4	505.75	1/4	723.56	1/4	942.16	1/4	1,159.71	1/4	1,378.29	1/4	1,596.29	1/4	1,814.26	1/4	2,031.64	1/4	
1/2	73.28	1/2	291.74	1/2	510.29	1/2	728.11	1/2	946.71	1/2	1,164.26	1/2	1,382.84	1/2	1,600.83	1/2	1,818.80	1/2	2,036.14	1/2	
3/4	77.82	3/4	296.30	3/4	514.82	3/4	732.67	3/4	951.27	3/4	1,168.82	3/4	1,387.39	3/4	1,605.37	3/4	1,823.34	3/4	2,040.63	3/4	
4	82.35	4	300.85	4	519.35	4	737.22	4	955.82	4	1,173.37	4	1,391.95	4	1,609.91	4	1,827.88	4	2,045.13	4	
1/4	86.90	1/4	305.40	1/4	523.89	1/4	741.78	1/4	960.37	1/4	1,177.92	1/4	1,396.49	1/4	1,614.46	1/4	1,832.42	1/4	2,049.62	1/4	
1/2	91.44	1/2	309.96	1/2	528.42	1/2	746.33	1/2	964.93	1/2	1,182.48	1/2	1,401.03	1/2	1,619.00	1/2	1,836.96	1/2	2,054.12	1/2	
3/4	95.98	3/4	314.51	3/4	532.95	3/4	750.89	3/4	969.48	3/4	1,187.03	3/4	1,405.57	3/4	1,623.54	3/4	1,841.51	3/4	2,058.61	3/4	
5	100.52	5	319.07	5	537.48	5	755.44	5	974.04	5	1,191.58	5	1,410.14	5	1,628.08	5	1,846.05	5	2,063.11	5	
1/4	105.06	1/4	323.62	1/4	542.02	1/4	759.99	1/4	978.59	1/4	1,196.14	1/4	1,414.65	1/4	1,632.62	1/4	1,850.59	1/4	2,067.60	1/4	
1/2	109.61	1/2	328.17	1/2	546.55	1/2	764.55	1/2	983.14	1/2	1,200.69	1/2	1,419.19	1/2	1,637.16	1/2	1,855.13	1/2	2,072.09	1/2	
3/4	114.15	3/4	332.73	3/4	551.08	3/4	769.10	3/4	987.70	3/4	1,205.24	3/4	1,423.73	3/4	1,641.70	3/4	1,859.67	3/4	2,076.58	3/4	
6	118.69	6	337.28	6	555.61	6	773.66	6	992.25	6	1,209.80	6	1,428.27	6	1,646.24	6	1,864.21	6	2,081.06	6	
1/4	123.25	1/4	341.84	1/4	560.15	1/4	778.21	1/4	996.81	1/4	1,214.35	1/4	1,432.82	1/4	1,650.78	1/4	1,868.75	1/4	2,085.54	1/4	
1/2	127.80	1/2	346.39	1/2	564.68	1/2	782.76	1/2	1,001.36	1/2	1,218.91	1/2	1,437.36	1/2	1,655.32	1/2	1,873.29	1/2	2,090.01	1/2	
3/4	132.36	3/4	350.94	3/4	569.21	3/4	787.32	3/4	1,005.92	3/4	1,223.46	3/4	1,441.90	3/4	1,659.87	3/4	1,877.83	3/4	2,094.49	3/4	
7	136.91	7	355.50	7	573.75	7	791.87	7	1,010.47	7	1,228.01	7	1,446.44	7	1,664.41	7	1,882.37	7	2,098.96	7	
1/4	141.46	1/4	360.05	1/4	578.28	1/4	796.43	1/4	1,014.96	1/4	1,232.57	1/4	1,450.98	1/4	1,668.95	1/4	1,886.92	1/4	2,103.00	1/4	
1/2	146.02	1/2	364.61	1/2	582.81	1/2	800.98	1/2	1,019.45	1/2	1,237.12	1/2	1,455.52	1/2	1,673.49	1/2	1,891.46	1/2	2,107.04	1/2	
3/4	150.57	3/4	369.16	3/4	587.34	3/4	805.53	3/4	1,023.94	3/4	1,241.67	3/4	1,460.06	3/4	1,678.03	3/4	1,896.00	3/4	2,111.08	3/4	
8	155.13	8	373.71	8	591.88	8	810.09	8	1,028.43	8	1,246.23	8	1,464.60	8	1,682.57	8	1,900.54	8	2,115.12	8	
1/4	159.68	1/4	378.27	1/4	596.41	1/4	814.64	1/4	1,032.91	1/4	1,250.78	1/4	1,469.14	1/4	1,687.11	1/4	1,905.08	1/4	2,118.25	1/4	
1/2	164.23	1/2	382.82	1/2	600.94	1/2	819.20	1/2	1,037.40	1/2	1,255.34	1/2	1,473.68	1/2	1,691.65	1/2	1,909.62	1/2		1/2	
3/4	168.79	3/4	387.37	3/4	605.47	3/4	823.75	3/4	1,041.89	3/4	1,259.89	3/4	1,478.23	3/4	1,696.19	3/4	1,914.16	3/4		3/4	
9	173.34	9	391.93	9	610.01	9	828.31	9	1,046.38	9	1,264.44	9	1,482.77	9	1,700.73	9	1,918.70	9		9	
1/4	177.90	1/4	396.48	1/4	614.54	1/4	832.86	1/4	1,050.87	1/4	1,269.00	1/4	1,487.31	1/4	1,705.28	1/4	1,923.24	1/4		1/4	
1/2	182.45	1/2	401.04	1/2	619.07	1/2	837.41	1/2	1,055.36	1/2	1,273.55	1/2	1,491.85	1/2	1,709.82	1/2	1,927.78	1/2		1/2	
3/4	187.00	3/4	405.59	3/4	623.60	3/4	841.97	3/4	1,059.85	3/4	1,278.10	3/4	1,496.39	3/4	1,714.36	3/4	1,932.33	3/4		3/4	
10	191.56	10	410.14	10	628.14	10	846.52	10	1,064.34	10	1,282.66	10	1,500.93	10	1,718.90	10	1,936.87	10		10	
1/4	196.11	1/4	414.70	1/4	632.67	1/4	851.08	1/4	1,068.83	1/4	1,287.21	1/4	1,505.47	1/4	1,723.44	1/4	1,941.41	1/4		1/4	
1/2	200.66	1/2	419.25	1/2	637.20	1/2	855.63	1/2	1,073.32	1/2	1,291.76	1/2	1,510.01	1/2	1,727.98	1/2	1,945.95	1/2		1/2	
3/4	205.22	3/4	423.81	3/4	641.74	3/4	860.18	3/4	1,077.81	3/4	1,296.32	3/4	1,514.55	3/4	1,732.52	3/4	1,950.49	3/4		3/4	
11	209.77	11	428.36	11	646.27	11	864.74	11	1,082.29	11	1,300.87	11	1,519.09	11	1,737.06	11	1,955.03	11		11	
1/4	214.33	1/4	432.91	1/4	650.81	1/4	869.29	1/4	1,086.85	1/4	1,305.43	1/4	1,523.64	1/4	1,741.60	1/4	1,959.57	1/4		1/4	
1/2	218.88	1/2	437.47	1/2	655.34	1/2	873.85	1/2	1,091.40	1/2	1,309.98	1/2	1,528.18	1/2	1,746.14	1/2	1,964.11	1/2		1/2	
3/4	223.43	3/4	442.02	3/4	659.88	3/4	878.40	3/4	1,095.96	3/4	1,314.53	3/4	1,532.72	3/4	1,750.69	3/4	1,968.65	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES.

GAUGE POINT: (HERMETIC - 2" VALVE) LOCATED 12'-09" OFF CENTERLINE AND 48'-09" FORWARD OF AFT BULKHEAD.
GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 49'-09" FORWARD OF AFT BULKHEAD.

STRAPPED: 02/25/2015 CL
CALCULATED: 02/25/2015 CL
PRINTED: 03/01/2015 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2015

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



BARGE "MM 302"

PORT FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

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

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

STRAPPED: 02/25/2015 CL
CALCULATED: 02/25/2015 CL
PRINTED: 03/01/2015 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2015

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "MM 302"

STBD FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

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

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

STRAPPED: 02/25/2015 CL
CALCULATED: 02/25/2015 CL
PRINTED: 03/01/2015 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2015

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "MM 302"

INNAGE TRIM TABLE 8" HATCH

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-4/8	00-4/8
1 STBD	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-4/8	00-4/8
2 PORT	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8
2 STBD	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8
3 PORT	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8
3 STBD	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8
4 PORT	- 01-1/4	01-1/4	- 02-3/8	02-3/8	- 03-5/8	03-5/8	- 04-6/8	04-6/8	- 06-0/8	06-0/8	- 07-1/8	07-1/8
4 STBD	- 01-1/4	01-1/4	- 02-3/8	02-3/8	- 03-5/8	03-5/8	- 04-6/8	04-6/8	- 06-0/8	06-0/8	- 07-1/8	07-1/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 237'-03"

February 18, 2015

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

<http://www.pmacorp.net>