



BARGE "MM 302"

ULLAGE 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 ULLAGE GAUGE OF 4'-00" ON 4 PORT, THE TRIM CORRECTED ULLAGE IS 3'-09 3/4"

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 ULLAGE 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	1,239.50	0	992.36	0	744.87	0	499.22	0	253.42	0	47.47	0		0		0		0	
1/4	1,234.35	1/4	987.21	1/4	739.75	1/4	494.06	1/4	248.56	1/4	43.88	1/4		1/4		1/4		1/4	
1/2	1,229.19	1/2	982.05	1/2	734.63	1/2	488.90	1/2	243.71	1/2	40.28	1/2		1/2		1/2		1/2	
3/4	1,224.03	3/4	976.89	3/4	729.51	3/4	483.75	3/4	238.85	3/4	36.69	3/4		3/4		3/4		3/4	
1	1,218.88	1	971.74	1	724.39	1	478.59	1	234.08	1	33.69	1		1		1		1	
1/4	1,213.72	1/4	966.58	1/4	719.27	1/4	473.43	1/4	229.32	1/4	30.68	1/4		1/4		1/4		1/4	
1/2	1,208.56	1/2	961.42	1/2	714.15	1/2	468.28	1/2	224.55	1/2	27.68	1/2		1/2		1/2		1/2	
3/4	1,203.40	3/4	956.27	3/4	709.03	3/4	463.12	3/4	219.78	3/4	24.67	3/4		3/4		3/4		3/4	
2	1,198.25	2	951.11	2	703.91	2	457.96	2	215.11	2	22.78	2		2		2		2	
1/4	1,193.09	1/4	945.95	1/4	698.79	1/4	452.81	1/4	210.43	1/4	20.90	1/4		1/4		1/4		1/4	
1/2	1,187.93	1/2	940.80	1/2	693.67	1/2	447.65	1/2	205.76	1/2	19.01	1/2		1/2		1/2		1/2	
3/4	1,182.78	3/4	935.64	3/4	688.55	3/4	442.50	3/4	201.08	3/4	17.13	3/4		3/4		3/4		3/4	
3	1,177.62	3	930.48	3	683.43	3	437.34	3	196.50	3		3		3		3		3	
1/4	1,172.46	1/4	925.33	1/4	678.31	1/4	432.18	1/4	191.92	1/4		1/4		1/4		1/4		1/4	
1/2	1,167.31	1/2	920.17	1/2	673.18	1/2	427.03	1/2	187.34	1/2		1/2		1/2		1/2		1/2	
3/4	1,162.15	3/4	915.01	3/4	668.06	3/4	421.87	3/4	182.75	3/4		3/4		3/4		3/4		3/4	
4	1,157.02	4	909.86	4	662.95	4	416.71	4	178.26	4		4		4		4		4	
1/4	1,151.89	1/4	904.70	1/4	657.83	1/4	411.56	1/4	173.77	1/4		1/4		1/4		1/4		1/4	
1/2	1,146.75	1/2	899.54	1/2	652.72	1/2	406.40	1/2	169.28	1/2		1/2		1/2		1/2		1/2	
3/4	1,141.62	3/4	894.39	3/4	647.60	3/4	401.24	3/4	164.79	3/4		3/4		3/4		3/4		3/4	
5	1,136.49	5	889.23	5	642.49	5	396.09	5	160.39	5		5		5		5		5	
1/4	1,131.36	1/4	884.07	1/4	637.37	1/4	390.93	1/4	155.99	1/4		1/4		1/4		1/4		1/4	
1/2	1,126.22	1/2	878.92	1/2	632.26	1/2	385.77	1/2	151.59	1/2		1/2		1/2		1/2		1/2	
3/4	1,121.09	3/4	873.76	3/4	627.14	3/4	380.62	3/4	147.20	3/4		3/4		3/4		3/4		3/4	
6	1,115.96	6	868.60	6	622.03	6	375.46	6	142.89	6		6		6		6		6	
1/4	1,110.83	1/4	863.44	1/4	616.91	1/4	370.30	1/4	138.58	1/4		1/4		1/4		1/4		1/4	
1/2	1,105.69	1/2	858.29	1/2	611.80	1/2	365.15	1/2	134.27	1/2		1/2		1/2		1/2		1/2	
3/4	1,100.56	3/4	853.13	3/4	606.68	3/4	359.99	3/4	129.97	3/4		3/4		3/4		3/4		3/4	
7	1,095.43	7	847.97	7	601.57	7	354.83	7	125.75	7		7		7		7		7	
1/4	1,090.30	1/4	842.82	1/4	596.45	1/4	349.68	1/4	121.54	1/4		1/4		1/4		1/4		1/4	
1/2	1,085.16	1/2	837.66	1/2	591.33	1/2	344.52	1/2	117.32	1/2		1/2		1/2		1/2		1/2	
3/4	1,080.03	3/4	832.50	3/4	586.22	3/4	339.36	3/4	113.11	3/4		3/4		3/4		3/4		3/4	
8	1,074.87	8	827.35	8	581.10	8	334.21	8	108.98	8		8		8		8		8	
1/4	1,069.72	1/4	822.19	1/4	575.99	1/4	329.05	1/4	104.86	1/4		1/4		1/4		1/4		1/4	
1/2	1,064.56	1/2	817.03	1/2	570.87	1/2	323.89	1/2	100.74	1/2		1/2		1/2		1/2		1/2	
3/4	1,059.40	3/4	811.88	3/4	565.76	3/4	318.74	3/4	96.61	3/4		3/4		3/4		3/4		3/4	
9	1,054.25	9	806.72	9	560.64	9	313.61	9	92.72	9		9		9		9		9	
1/4	1,049.09	1/4	801.56	1/4	555.53	1/4	308.49	1/4	88.83	1/4		1/4		1/4		1/4		1/4	
1/2	1,043.93	1/2	796.41	1/2	550.41	1/2	303.37	1/2	84.94	1/2		1/2		1/2		1/2		1/2	
3/4	1,038.78	3/4	791.25	3/4	545.30	3/4	298.25	3/4	81.05	3/4		3/4		3/4		3/4		3/4	
10	1,033.62	10	786.09	10	540.18	10	293.21	10	77.25	10		10		10		10		10	
1/4	1,028.46	1/4	780.94	1/4	535.07	1/4	288.16	1/4	73.45	1/4		1/4		1/4		1/4		1/4	
1/2	1,023.31	1/2	775.78	1/2	529.95	1/2	283.12	1/2	69.65	1/2		1/2		1/2		1/2		1/2	
3/4	1,018.15	3/4	770.62	3/4	524.84	3/4	278.08	3/4	65.85	3/4		3/4		3/4		3/4		3/4	
11	1,012.99	11	765.47	11	519.72	11	273.13	11	62.15	11		11		11		11		11	
1/4	1,007.84	1/4	760.31	1/4	514.60	1/4	268.18	1/4	58.45	1/4		1/4		1/4		1/4		1/4	
1/2	1,002.68	1/2	755.15	1/2	509.49	1/2	263.23	1/2	54.76	1/2		1/2		1/2		1/2		1/2	
3/4	997.52	3/4	750.00	3/4	504.37	3/4	258.28	3/4	51.06	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 ULLAGE 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	1,235.74	0	988.70	0	741.25	0	493.98	0	248.57	0	43.89	0		0		0		0	
1/4	1,230.59	1/4	983.54	1/4	736.10	1/4	488.83	1/4	243.71	1/4	40.30	1/4		1/4		1/4		1/4	
1/2	1,225.43	1/2	978.39	1/2	730.94	1/2	483.67	1/2	238.55	1/2	36.71	1/2		1/2		1/2		1/2	
3/4	1,220.28	3/4	973.23	3/4	725.79	3/4	478.52	3/4	234.09	3/4	33.70	3/4		3/4		3/4		3/4	
1	1,215.12	1	968.08	1	720.63	1	473.36	1	229.32	1	30.69	1		1		1		1	
1/4	1,209.97	1/4	962.92	1/4	715.48	1/4	468.21	1/4	224.56	1/4	27.68	1/4		1/4		1/4		1/4	
1/2	1,204.81	1/2	957.77	1/2	710.32	1/2	463.05	1/2	219.79	1/2	24.68	1/2		1/2		1/2		1/2	
3/4	1,199.66	3/4	952.61	3/4	705.17	3/4	457.90	3/4	215.12	3/4	22.79	3/4		3/4		3/4		3/4	
2	1,194.50	2	947.46	2	700.01	2	452.74	2	210.44	2	20.90	2		2		2		2	
1/4	1,189.35	1/4	942.30	1/4	694.86	1/4	447.59	1/4	205.77	1/4	19.01	1/4		1/4		1/4		1/4	
1/2	1,184.19	1/2	937.15	1/2	689.70	1/2	442.43	1/2	201.10	1/2	17.12	1/2		1/2		1/2		1/2	
3/4	1,179.04	3/4	931.99	3/4	684.55	3/4	437.28	3/4	196.52	3/4		3/4		3/4		3/4		3/4	
3	1,173.88	3	926.84	3	679.39	3	432.12	3	191.93	3		3		3		3		3	
1/4	1,168.73	1/4	921.68	1/4	674.24	1/4	426.97	1/4	187.35	1/4		1/4		1/4		1/4		1/4	
1/2	1,163.57	1/2	916.53	1/2	669.08	1/2	421.81	1/2	182.77	1/2		1/2		1/2		1/2		1/2	
3/4	1,158.44	3/4	911.37	3/4	663.93	3/4	416.66	3/4	178.28	3/4		3/4		3/4		3/4		3/4	
4	1,153.31	4	906.22	4	658.78	4	411.50	4	173.79	4		4		4		4		4	
1/4	1,148.18	1/4	901.06	1/4	653.63	1/4	406.35	1/4	169.30	1/4		1/4		1/4		1/4		1/4	
1/2	1,143.05	1/2	895.91	1/2	648.48	1/2	401.19	1/2	164.81	1/2		1/2		1/2		1/2		1/2	
3/4	1,137.92	3/4	890.75	3/4	643.33	3/4	396.04	3/4	160.41	3/4		3/4		3/4		3/4		3/4	
5	1,132.79	5	885.60	5	638.19	5	390.89	5	156.01	5		5		5		5		5	
1/4	1,127.66	1/4	880.44	1/4	633.04	1/4	385.73	1/4	151.61	1/4		1/4		1/4		1/4		1/4	
1/2	1,122.53	1/2	875.29	1/2	627.89	1/2	380.58	1/2	147.22	1/2		1/2		1/2		1/2		1/2	
3/4	1,117.40	3/4	870.13	3/4	622.74	3/4	375.42	3/4	142.91	3/4		3/4		3/4		3/4		3/4	
6	1,112.27	6	864.98	6	617.59	6	370.27	6	138.60	6		6		6		6		6	
1/4	1,107.14	1/4	859.82	1/4	612.44	1/4	365.11	1/4	134.30	1/4		1/4		1/4		1/4		1/4	
1/2	1,102.01	1/2	854.67	1/2	607.29	1/2	359.96	1/2	129.99	1/2		1/2		1/2		1/2		1/2	
3/4	1,096.88	3/4	849.51	3/4	602.14	3/4	354.80	3/4	125.77	3/4		3/4		3/4		3/4		3/4	
7	1,091.75	7	844.36	7	596.99	7	349.65	7	121.56	7		7		7		7		7	
1/4	1,086.62	1/4	839.20	1/4	591.84	1/4	344.49	1/4	117.34	1/4		1/4		1/4		1/4		1/4	
1/2	1,081.49	1/2	834.05	1/2	586.69	1/2	339.34	1/2	113.13	1/2		1/2		1/2		1/2		1/2	
3/4	1,076.34	3/4	828.89	3/4	581.54	3/4	334.18	3/4	109.01	3/4		3/4		3/4		3/4		3/4	
8	1,071.18	8	823.74	8	576.39	8	329.03	8	104.88	8		8		8		8		8	
1/4	1,066.03	1/4	818.58	1/4	571.24	1/4	323.87	1/4	100.76	1/4		1/4		1/4		1/4		1/4	
1/2	1,060.87	1/2	813.43	1/2	566.09	1/2	318.72	1/2	96.64	1/2		1/2		1/2		1/2		1/2	
3/4	1,055.72	3/4	808.27	3/4	560.94	3/4	313.60	3/4	92.74	3/4		3/4		3/4		3/4		3/4	
9	1,050.56	9	803.12	9	555.79	9	308.48	9	88.85	9		9		9		9		9	
1/4	1,045.41	1/4	797.96	1/4	550.64	1/4	303.36	1/4	84.96	1/4		1/4		1/4		1/4		1/4	
1/2	1,040.25	1/2	792.81	1/2	545.49	1/2	298.23	1/2	81.07	1/2		1/2		1/2		1/2		1/2	
3/4	1,035.10	3/4	787.65	3/4	540.34	3/4	293.19	3/4	77.27	3/4		3/4		3/4		3/4		3/4	
10	1,029.94	10	782.50	10	535.19	10	288.15	10	73.47	10		10		10		10		10	
1/4	1,024.79	1/4	777.34	1/4	530.04	1/4	283.11	1/4	69.67	1/4		1/4		1/4		1/4		1/4	
1/2	1,019.63	1/2	772.19	1/2	524.89	1/2	278.07	1/2	65.87	1/2		1/2		1/2		1/2		1/2	
3/4	1,014.47	3/4	767.03	3/4	519.74	3/4	273.13	3/4	62.17	3/4		3/4		3/4		3/4		3/4	
11	1,009.32	11	761.88	11	514.59	11	268.18	11	58.47	11		11		11		11		11	
1/4	1,004.16	1/4	756.72	1/4	509.44	1/4	263.23	1/4	54.77	1/4		1/4		1/4		1/4		1/4	
1/2	999.01	1/2	751.56	1/2	504.29	1/2	258.28	1/2	51.07	1/2		1/2		1/2		1/2		1/2	
3/4	993.85	3/4	746.41	3/4	499.14	3/4	253.42	3/4	47.48	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 ULLAGE 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	1,565.77	0	1,264.22	0	961.92	0	671.48	0	368.35	0	67.93	0		0		0		0	
1/4	1,559.46	1/4	1,257.91	1/4	955.88	1/4	665.17	1/4	362.04	1/4	61.82	1/4		1/4	1/4	1/4		1/4	
1/2	1,553.14	1/2	1,251.59	1/2	949.85	1/2	658.85	1/2	355.72	1/2	56.31	1/2		1/2	1/2	1/2		1/2	
3/4	1,546.83	3/4	1,245.28	3/4	943.81	3/4	652.54	3/4	349.41	3/4	50.80	3/4		3/4	3/4	3/4		3/4	
1	1,540.51	1	1,238.96	1	937.77	1	646.22	1	343.09	1	45.29	1		1		1		1	
1/4	1,534.20	1/4	1,232.65	1/4	931.73	1/4	639.91	1/4	336.78	1/4	39.78	1/4		1/4	1/4	1/4		1/4	
1/2	1,527.88	1/2	1,226.33	1/2	925.70	1/2	633.59	1/2	330.46	1/2	35.53	1/2		1/2	1/2	1/2		1/2	
3/4	1,521.57	3/4	1,220.02	3/4	919.66	3/4	627.28	3/4	324.15	3/4	31.28	3/4		3/4	3/4	3/4		3/4	
2	1,515.25	2	1,213.70	2	913.62	2	620.96	2	317.83	2	27.03	2		2		2		2	
1/4	1,508.94	1/4	1,207.39	1/4	907.59	1/4	614.65	1/4	311.52	1/4	22.78	1/4		1/4	1/4	1/4		1/4	
1/2	1,502.62	1/2	1,201.07	1/2	901.55	1/2	608.33	1/2	305.20	1/2		1/2		1/2	1/2	1/2		1/2	
3/4	1,496.31	3/4	1,194.75	3/4	895.51	3/4	602.02	3/4	298.89	3/4		3/4		3/4	3/4	3/4		3/4	
3	1,489.99	3	1,188.44	3	889.47	3	595.70	3	292.57	3		3		3		3		3	
1/4	1,483.67	1/4	1,182.12	1/4	883.44	1/4	589.39	1/4	286.26	1/4		1/4		1/4	1/4	1/4		1/4	
1/2	1,477.46	1/2	1,175.81	1/2	877.41	1/2	583.07	1/2	279.94	1/2		1/2		1/2	1/2	1/2		1/2	
3/4	1,471.24	3/4	1,169.49	3/4	871.37	3/4	576.76	3/4	273.63	3/4		3/4		3/4	3/4	3/4		3/4	
4	1,465.03	4	1,163.18	4	865.34	4	570.44	4	267.31	4		4		4		4		4	
1/4	1,458.81	1/4	1,156.86	1/4	859.31	1/4	564.13	1/4	261.00	1/4		1/4		1/4	1/4	1/4		1/4	
1/2	1,452.59	1/2	1,150.55	1/2	853.28	1/2	557.81	1/2	254.68	1/2		1/2		1/2	1/2	1/2		1/2	
3/4	1,446.38	3/4	1,144.23	3/4	847.25	3/4	551.50	3/4	248.37	3/4		3/4		3/4	3/4	3/4		3/4	
5	1,440.16	5	1,137.92	5	841.22	5	545.18	5	242.05	5		5		5		5		5	
1/4	1,433.95	1/4	1,131.60	1/4	835.19	1/4	538.86	1/4	235.74	1/4		1/4		1/4	1/4	1/4		1/4	
1/2	1,427.73	1/2	1,125.29	1/2	829.15	1/2	532.55	1/2	229.42	1/2		1/2		1/2	1/2	1/2		1/2	
3/4	1,421.51	3/4	1,118.97	3/4	823.12	3/4	526.23	3/4	223.10	3/4		3/4		3/4	3/4	3/4		3/4	
6	1,415.30	6	1,112.65	6	817.09	6	519.92	6	216.79	6		6		6		6		6	
1/4	1,409.08	1/4	1,106.34	1/4	811.06	1/4	513.60	1/4	210.47	1/4		1/4		1/4	1/4	1/4		1/4	
1/2	1,402.87	1/2	1,100.02	1/2	805.03	1/2	507.29	1/2	204.16	1/2		1/2		1/2	1/2	1/2		1/2	
3/4	1,396.65	3/4	1,093.71	3/4	799.00	3/4	500.97	3/4	197.84	3/4		3/4		3/4	3/4	3/4		3/4	
7	1,390.43	7	1,087.39	7	792.97	7	494.66	7	191.53	7		7		7		7		7	
1/4	1,384.22	1/4	1,081.08	1/4	786.93	1/4	488.34	1/4	185.21	1/4		1/4		1/4	1/4	1/4		1/4	
1/2	1,377.90	1/2	1,074.76	1/2	780.90	1/2	482.03	1/2	178.90	1/2		1/2		1/2	1/2	1/2		1/2	
3/4	1,371.59	3/4	1,068.45	3/4	774.87	3/4	475.71	3/4	172.58	3/4		3/4		3/4	3/4	3/4		3/4	
8	1,365.27	8	1,062.13	8	768.84	8	469.40	8	166.27	8		8		8		8		8	
1/4	1,358.96	1/4	1,055.82	1/4	762.81	1/4	463.08	1/4	159.95	1/4		1/4		1/4	1/4	1/4		1/4	
1/2	1,352.64	1/2	1,049.50	1/2	756.78	1/2	456.77	1/2	153.81	1/2		1/2		1/2	1/2	1/2		1/2	
3/4	1,346.32	3/4	1,043.19	3/4	750.74	3/4	450.45	3/4	147.66	3/4		3/4		3/4	3/4	3/4		3/4	
9	1,340.01	9	1,036.87	9	744.71	9	444.14	9	141.52	9		9		9		9		9	
1/4	1,333.69	1/4	1,030.55	1/4	738.68	1/4	437.82	1/4	135.37	1/4		1/4		1/4	1/4	1/4		1/4	
1/2	1,327.38	1/2	1,024.24	1/2	732.65	1/2	431.51	1/2	129.23	1/2		1/2		1/2	1/2	1/2		1/2	
3/4	1,321.06	3/4	1,017.92	3/4	726.62	3/4	425.19	3/4	123.09	3/4		3/4		3/4	3/4	3/4		3/4	
10	1,314.75	10	1,011.61	10	720.59	10	418.88	10	116.95	10		10		10		10		10	
1/4	1,308.43	1/4	1,005.29	1/4	714.56	1/4	412.56	1/4	110.81	1/4		1/4		1/4	1/4	1/4		1/4	
1/2	1,302.12	1/2	998.98	1/2	708.52	1/2	406.25	1/2	104.67	1/2		1/2		1/2	1/2	1/2		1/2	
3/4	1,295.80	3/4	992.66	3/4	702.49	3/4	399.93	3/4	98.54	3/4		3/4		3/4	3/4	3/4		3/4	
11	1,289.49	11	986.35	11	696.46	11	393.62	11	92.40	11		11		11		11		11	
1/4	1,283.17	1/4	980.03	1/4	690.43	1/4	387.30	1/4	86.27	1/4		1/4		1/4	1/4	1/4		1/4	
1/2	1,276.86	1/2	973.99	1/2	684.11	1/2	380.98	1/2	80.16	1/2		1/2		1/2	1/2	1/2		1/2	
3/4	1,270.54	3/4	967.96	3/4	677.80	3/4	374.67	3/4	74.04	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
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BARGE "MM 302"

2 STBD

ULLAGE 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		0		0	4,011.66	0	3,708.46	0	3,405.25	0	3,102.03	0	2,798.81	0	2,495.58	0	2,192.36	0	1,889.13
1/4		1/4		1/4	4,005.35	1/4	3,702.14	1/4	3,398.93	1/4	3,095.72	1/4	2,792.49	1/4	2,489.26	1/4	2,186.04	1/4	1,882.81
1/2		1/2		1/2	4,297.54	1/2	3,999.03	1/2	3,695.82	1/2	3,392.62	1/2	3,089.40	1/2	2,786.17	1/2	2,482.95	1/2	2,179.72
3/4		3/4		3/4	4,291.92	3/4	3,992.71	3/4	3,689.51	3/4	3,386.30	3/4	3,083.08	3/4	2,779.86	3/4	2,476.63	3/4	2,173.40
1		1		1	4,286.30	1	3,986.40	1	3,683.19	1	3,379.98	1	3,076.76	1	2,773.54	1	2,470.31	1	2,167.09
1/4		1/4		1/4	4,280.68	1/4	3,980.08	1/4	3,676.87	1/4	3,373.67	1/4	3,070.45	1/4	2,767.22	1/4	2,464.00	1/4	2,160.77
1/2		1/2		1/2	4,275.06	1/2	3,973.76	1/2	3,670.56	1/2	3,367.35	1/2	3,064.13	1/2	2,760.90	1/2	2,457.68	1/2	2,154.45
3/4		3/4		3/4	4,268.83	3/4	3,967.45	3/4	3,664.24	3/4	3,361.03	3/4	3,057.81	3/4	2,754.59	3/4	2,451.36	3/4	2,148.14
2		2		2	4,262.61	2	3,961.13	2	3,657.92	2	3,354.72	2	3,051.50	2	2,748.27	2	2,445.04	2	2,141.82
1/4		1/4		1/4	4,256.38	1/4	3,954.81	1/4	3,651.61	1/4	3,348.40	1/4	3,045.18	1/4	2,741.95	1/4	2,438.73	1/4	2,135.50
1/2		1/2		1/2	4,250.16	1/2	3,948.50	1/2	3,645.29	1/2	3,342.08	1/2	3,038.86	1/2	2,735.64	1/2	2,432.41	1/2	2,129.18
3/4		3/4		3/4	4,243.91	3/4	3,942.18	3/4	3,638.97	3/4	3,335.77	3/4	3,032.54	3/4	2,729.32	3/4	2,426.09	3/4	2,122.87
3		3		3	4,237.67	3	3,935.86	3	3,632.66	3	3,329.45	3	3,026.23	3	2,723.00	3	2,419.78	3	2,116.55
1/4		1/4		1/4	4,231.42	1/4	3,929.55	1/4	3,626.34	1/4	3,323.13	1/4	3,019.91	1/4	2,716.68	1/4	2,413.46	1/4	2,110.23
1/2		1/2		1/2	4,225.18	1/2	3,923.23	1/2	3,620.02	1/2	3,316.82	1/2	3,013.59	1/2	2,710.37	1/2	2,407.14	1/2	2,103.92
3/4		3/4		3/4	4,218.92	3/4	3,916.91	3/4	3,613.71	3/4	3,310.50	3/4	3,007.27	3/4	2,704.05	3/4	2,400.82	3/4	2,097.60
4		4		4	4,212.67	4	3,910.60	4	3,607.39	4	3,304.18	4	3,000.96	4	2,697.73	4	2,394.51	4	2,091.28
1/4		1/4		1/4	4,206.42	1/4	3,904.28	1/4	3,601.07	1/4	3,297.87	1/4	2,994.64	1/4	2,691.41	1/4	2,388.19	1/4	2,084.96
1/2		1/2		1/2	4,200.17	1/2	3,897.96	1/2	3,594.76	1/2	3,291.55	1/2	2,988.32	1/2	2,685.10	1/2	2,381.87	1/2	2,078.65
3/4		3/4		3/4	4,193.91	3/4	3,891.64	3/4	3,588.44	3/4	3,285.23	3/4	2,982.01	3/4	2,678.78	3/4	2,375.55	3/4	2,072.33
5		5		5	4,187.66	5	3,885.33	5	3,582.12	5	3,278.91	5	2,975.69	5	2,672.46	5	2,369.24	5	2,066.01
1/4		1/4		1/4	4,181.40	1/4	3,879.01	1/4	3,575.80	1/4	3,272.60	1/4	2,969.37	1/4	2,666.15	1/4	2,362.92	1/4	2,059.69
1/2		1/2		1/2	4,175.15	1/2	3,872.69	1/2	3,569.49	1/2	3,266.28	1/2	2,963.05	1/2	2,659.83	1/2	2,356.60	1/2	2,053.38
3/4		3/4		3/4	4,168.90	3/4	3,866.38	3/4	3,563.17	3/4	3,259.96	3/4	2,956.74	3/4	2,653.51	3/4	2,350.29	3/4	2,047.06
6		6		6	4,162.64	6	3,860.06	6	3,556.85	6	3,253.65	6	2,950.42	6	2,647.19	6	2,343.97	6	2,040.74
1/4		1/4		1/4	4,156.39	1/4	3,853.74	1/4	3,550.54	1/4	3,247.33	1/4	2,944.10	1/4	2,640.88	1/4	2,337.65	1/4	2,034.43
1/2		1/2		1/2	4,150.13	1/2	3,847.43	1/2	3,544.22	1/2	3,241.01	1/2	2,937.79	1/2	2,634.56	1/2	2,331.33	1/2	2,028.11
3/4		3/4		3/4	4,143.88	3/4	3,841.11	3/4	3,537.90	3/4	3,234.69	3/4	2,931.47	3/4	2,628.24	3/4	2,325.02	3/4	2,021.79
7		7		7	4,137.62	7	3,834.79	7	3,531.59	7	3,228.38	7	2,925.15	7	2,621.93	7	2,318.70	7	2,015.47
1/4		1/4		1/4	4,131.37	1/4	3,828.48	1/4	3,525.27	1/4	3,222.06	1/4	2,918.83	1/4	2,615.61	1/4	2,312.38	1/4	2,009.16
1/2		1/2		1/2	4,125.12	1/2	3,822.16	1/2	3,518.95	1/2	3,215.74	1/2	2,912.52	1/2	2,609.29	1/2	2,306.07	1/2	2,002.84
3/4		3/4		3/4	4,118.86	3/4	3,815.84	3/4	3,512.64	3/4	3,209.43	3/4	2,906.20	3/4	2,602.97	3/4	2,299.75	3/4	1,996.52
8		8		8	4,112.61	8	3,809.53	8	3,506.32	8	3,203.11	8	2,899.88	8	2,596.66	8	2,293.43	8	1,990.21
1/4		1/4		1/4	4,106.35	1/4	3,803.21	1/4	3,500.00	1/4	3,196.79	1/4	2,893.57	1/4	2,590.34	1/4	2,287.11	1/4	1,983.89
1/2		1/2		1/2	4,100.10	1/2	3,796.89	1/2	3,493.69	1/2	3,190.47	1/2	2,887.25	1/2	2,584.02	1/2	2,280.80	1/2	1,977.57
3/4		3/4		3/4	4,093.78	3/4	3,790.58	3/4	3,487.37	3/4	3,184.16	3/4	2,880.93	3/4	2,577.71	3/4	2,274.48	3/4	1,971.25
9		9		9	4,087.47	9	3,784.26	9	3,481.05	9	3,177.84	9	2,874.61	9	2,571.39	9	2,268.16	9	1,964.94
1/4		1/4		1/4	4,081.15	1/4	3,777.94	1/4	3,474.74	1/4	3,171.52	1/4	2,868.30	1/4	2,565.07	1/4	2,261.85	1/4	1,958.62
1/2		1/2		1/2	4,074.83	1/2	3,771.63	1/2	3,468.42	1/2	3,165.20	1/2	2,861.98	1/2	2,558.75	1/2	2,255.53	1/2	1,952.30
3/4		3/4		3/4	4,068.52	3/4	3,765.31	3/4	3,462.10	3/4	3,158.89	3/4	2,855.66	3/4	2,552.44	3/4	2,249.21	3/4	1,945.99
10		10		10	4,062.20	10	3,758.99	10	3,455.79	10	3,152.57	10	2,849.34	10	2,546.12	10	2,242.89	10	1,939.67
1/4		1/4		1/4	4,055.88	1/4	3,752.68	1/4	3,449.47	1/4	3,146.25	1/4	2,843.03	1/4	2,539.80	1/4	2,236.58	1/4	1,933.35
1/2		1/2		1/2	4,049.56	1/2	3,746.36	1/2	3,443.15	1/2	3,139.94	1/2	2,836.71	1/2	2,533.48	1/2	2,230.26	1/2	1,927.03
3/4		3/4		3/4	4,043.25	3/4	3,740.04	3/4	3,436.84	3/4	3,133.62	3/4	2,830.39	3/4	2,527.17	3/4	2,223.94	3/4	1,920.72
11		11		11	4,036.93	11	3,733.72	11	3,430.52	11	3,127.30	11	2,824.08	11	2,520.85	11	2,217.62	11	1,914.40
1/4		1/4		1/4	4,030.61	1/4	3,727.41	1/4	3,424.20	1/4	3,120.98	1/4	2,817.76	1/4	2,514.53	1/4	2,211.31	1/4	1,908.08
1/2		1/2		1/2	4,024.30	1/2	3,721.09	1/2	3,417.88	1/2	3,114.67	1/2	2,811.44	1/2	2,508.22	1/2	2,204.99	1/2	1,901.76
3/4		3/4		3/4	4,017.98	3/4	3,714.77	3/4	3,411.57	3/4	3,108.35	3/4	2,805.12	3/4	2,501.90	3/4	2,198.67	3/4	1,895.45

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 ULLAGE 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.

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BARGE "MM 302"

2 STBD ULLAGE 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	1,585.90	0	1,284.27	0	981.04	0	677.99	0	374.77	0	74.06	0		0		0		0	
1/4	1,579.59	1/4	1,277.95	1/4	974.73	1/4	671.67	1/4	368.45	1/4	67.95	1/4		1/4		1/4		1/4	
1/2	1,573.27	1/2	1,271.63	1/2	968.41	1/2	665.35	1/2	362.14	1/2	61.83	1/2		1/2		1/2		1/2	
3/4	1,566.95	3/4	1,265.32	3/4	962.09	3/4	659.04	3/4	355.82	3/4	56.32	3/4		3/4		3/4		3/4	
1	1,560.64	1	1,259.00	1	955.77	1	652.72	1	349.50	1	50.81	1		1		1		1	
1/4	1,554.32	1/4	1,252.68	1/4	949.46	1/4	646.40	1/4	343.19	1/4	45.30	1/4		1/4		1/4		1/4	
1/2	1,548.00	1/2	1,246.36	1/2	943.14	1/2	640.08	1/2	336.87	1/2	39.79	1/2		1/2		1/2		1/2	
3/4	1,541.68	3/4	1,240.05	3/4	936.82	3/4	633.77	3/4	330.55	3/4	35.53	3/4		3/4		3/4		3/4	
2	1,535.37	2	1,233.73	2	930.50	2	627.45	2	324.23	2	31.28	2		2		2		2	
1/4	1,529.05	1/4	1,227.41	1/4	924.19	1/4	621.13	1/4	317.92	1/4	27.03	1/4		1/4		1/4		1/4	
1/2	1,522.73	1/2	1,221.10	1/2	917.87	1/2	614.82	1/2	311.60	1/2	22.79	1/2		1/2		1/2		1/2	
3/4	1,516.42	3/4	1,214.78	3/4	911.55	3/4	608.50	3/4	305.28	3/4		3/4		3/4		3/4		3/4	
3	1,510.10	3	1,208.46	3	905.24	3	602.18	3	298.97	3		3		3		3		3	
1/4	1,503.78	1/4	1,202.14	1/4	898.92	1/4	595.87	1/4	292.65	1/4		1/4		1/4		1/4		1/4	
1/2	1,497.46	1/2	1,195.83	1/2	892.60	1/2	589.55	1/2	286.33	1/2		1/2		1/2		1/2		1/2	
3/4	1,491.25	3/4	1,189.51	3/4	886.29	3/4	583.23	3/4	280.02	3/4		3/4		3/4		3/4		3/4	
4	1,485.03	4	1,183.19	4	879.98	4	576.91	4	273.70	4		4		4		4		4	
1/4	1,478.81	1/4	1,176.88	1/4	873.67	1/4	570.60	1/4	267.38	1/4		1/4		1/4		1/4		1/4	
1/2	1,472.59	1/2	1,170.56	1/2	867.35	1/2	564.28	1/2	261.06	1/2		1/2		1/2		1/2		1/2	
3/4	1,466.37	3/4	1,164.24	3/4	861.04	3/4	557.96	3/4	254.75	3/4		3/4		3/4		3/4		3/4	
5	1,460.16	5	1,157.92	5	854.73	5	551.65	5	248.43	5		5		5		5		5	
1/4	1,453.94	1/4	1,151.61	1/4	848.42	1/4	545.33	1/4	242.11	1/4		1/4		1/4		1/4		1/4	
1/2	1,447.72	1/2	1,145.29	1/2	842.11	1/2	539.01	1/2	235.80	1/2		1/2		1/2		1/2		1/2	
3/4	1,441.50	3/4	1,138.97	3/4	835.79	3/4	532.70	3/4	229.48	3/4		3/4		3/4		3/4		3/4	
6	1,435.29	6	1,132.66	6	829.48	6	526.38	6	223.16	6		6		6		6		6	
1/4	1,429.07	1/4	1,126.34	1/4	823.17	1/4	520.06	1/4	216.85	1/4		1/4		1/4		1/4		1/4	
1/2	1,422.85	1/2	1,120.02	1/2	816.86	1/2	513.74	1/2	210.53	1/2		1/2		1/2		1/2		1/2	
3/4	1,416.63	3/4	1,113.70	3/4	810.55	3/4	507.43	3/4	204.21	3/4		3/4		3/4		3/4		3/4	
7	1,410.41	7	1,107.39	7	804.23	7	501.11	7	197.89	7		7		7		7		7	
1/4	1,404.20	1/4	1,101.07	1/4	797.92	1/4	494.79	1/4	191.58	1/4		1/4		1/4		1/4		1/4	
1/2	1,397.98	1/2	1,094.75	1/2	791.61	1/2	488.48	1/2	185.26	1/2		1/2		1/2		1/2		1/2	
3/4	1,391.66	3/4	1,088.43	3/4	785.30	3/4	482.16	3/4	178.94	3/4		3/4		3/4		3/4		3/4	
8	1,385.34	8	1,082.12	8	778.99	8	475.84	8	172.63	8		8		8		8		8	
1/4	1,379.03	1/4	1,075.80	1/4	772.68	1/4	469.53	1/4	166.31	1/4		1/4		1/4		1/4		1/4	
1/2	1,372.71	1/2	1,069.48	1/2	766.36	1/2	463.21	1/2	159.99	1/2		1/2		1/2		1/2		1/2	
3/4	1,366.39	3/4	1,063.17	3/4	760.05	3/4	456.89	3/4	153.85	3/4		3/4		3/4		3/4		3/4	
9	1,360.07	9	1,056.85	9	753.74	9	450.57	9	147.70	9		9		9		9		9	
1/4	1,353.76	1/4	1,050.53	1/4	747.43	1/4	444.26	1/4	141.55	1/4		1/4		1/4		1/4		1/4	
1/2	1,347.44	1/2	1,044.21	1/2	741.12	1/2	437.94	1/2	135.41	1/2		1/2		1/2		1/2		1/2	
3/4	1,341.12	3/4	1,037.90	3/4	734.80	3/4	431.62	3/4	129.26	3/4		3/4		3/4		3/4		3/4	
10	1,334.81	10	1,031.58	10	728.49	10	425.31	10	123.12	10		10		10		10		10	
1/4	1,328.49	1/4	1,025.26	1/4	722.18	1/4	418.99	1/4	116.98	1/4		1/4		1/4		1/4		1/4	
1/2	1,322.17	1/2	1,018.95	1/2	715.87	1/2	412.67	1/2	110.83	1/2		1/2		1/2		1/2		1/2	
3/4	1,315.85	3/4	1,012.63	3/4	709.56	3/4	406.36	3/4	104.70	3/4		3/4		3/4		3/4		3/4	
11	1,309.54	11	1,006.31	11	703.24	11	400.04	11	98.56	11		11		11		11		11	
1/4	1,303.22	1/4	999.99	1/4	696.93	1/4	393.72	1/4	92.43	1/4		1/4		1/4		1/4		1/4	
1/2	1,296.90	1/2	993.68	1/2	690.62	1/2	387.40	1/2	86.29	1/2		1/2		1/2		1/2		1/2	
3/4	1,290.59	3/4	987.36	3/4	684.30	3/4	381.09	3/4	80.18	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 ULLAGE 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	1,575.25	0	1,273.09	0	969.90	0	679.16	0	375.42	0	74.20	0		0		0		0	
1/4	1,568.92	1/4	1,266.76	1/4	963.86	1/4	672.83	1/4	369.10	1/4	68.07	1/4		1/4		1/4		1/4	
1/2	1,562.59	1/2	1,260.43	1/2	957.81	1/2	666.50	1/2	362.77	1/2	61.95	1/2		1/2		1/2		1/2	
3/4	1,556.27	3/4	1,254.11	3/4	951.76	3/4	660.17	3/4	356.44	3/4	56.43	3/4		3/4		3/4		3/4	
1	1,549.94	1	1,247.78	1	945.71	1	653.85	1	350.11	1	50.91	1		1		1		1	
1/4	1,543.61	1/4	1,241.45	1/4	939.66	1/4	647.52	1/4	343.78	1/4	45.38	1/4		1/4		1/4		1/4	
1/2	1,537.28	1/2	1,235.12	1/2	933.61	1/2	641.19	1/2	337.46	1/2	39.86	1/2		1/2		1/2		1/2	
3/4	1,530.95	3/4	1,228.79	3/4	927.56	3/4	634.86	3/4	331.13	3/4	35.60	3/4		3/4		3/4		3/4	
2	1,524.63	2	1,222.47	2	921.51	2	628.54	2	324.80	2	31.35	2		2		2		2	
1/4	1,518.30	1/4	1,216.14	1/4	915.46	1/4	622.21	1/4	318.47	1/4	27.09	1/4		1/4		1/4		1/4	
1/2	1,511.97	1/2	1,209.81	1/2	909.41	1/2	615.88	1/2	312.15	1/2	22.83	1/2		1/2		1/2		1/2	
3/4	1,505.64	3/4	1,203.48	3/4	903.36	3/4	609.55	3/4	305.82	3/4		3/4		3/4		3/4		3/4	
3	1,499.31	3	1,197.15	3	897.31	3	603.22	3	299.49	3		3		3		3		3	
1/4	1,492.99	1/4	1,190.83	1/4	891.26	1/4	596.90	1/4	293.16	1/4		1/4		1/4		1/4		1/4	
1/2	1,486.66	1/2	1,184.50	1/2	885.22	1/2	590.57	1/2	286.83	1/2		1/2		1/2		1/2		1/2	
3/4	1,480.43	3/4	1,178.17	3/4	879.17	3/4	584.24	3/4	280.51	3/4		3/4		3/4		3/4		3/4	
4	1,474.20	4	1,171.84	4	873.13	4	577.91	4	274.18	4		4		4		4		4	
1/4	1,467.97	1/4	1,165.51	1/4	867.08	1/4	571.59	1/4	267.85	1/4		1/4		1/4		1/4		1/4	
1/2	1,461.74	1/2	1,159.19	1/2	861.04	1/2	565.26	1/2	261.52	1/2		1/2		1/2		1/2		1/2	
3/4	1,455.51	3/4	1,152.86	3/4	855.00	3/4	558.93	3/4	255.20	3/4		3/4		3/4		3/4		3/4	
5	1,449.28	5	1,146.53	5	848.95	5	552.60	5	248.87	5		5		5		5		5	
1/4	1,443.05	1/4	1,140.20	1/4	842.91	1/4	546.27	1/4	242.54	1/4		1/4		1/4		1/4		1/4	
1/2	1,436.83	1/2	1,133.87	1/2	836.87	1/2	539.95	1/2	236.21	1/2		1/2		1/2		1/2		1/2	
3/4	1,430.60	3/4	1,127.55	3/4	830.82	3/4	533.62	3/4	229.88	3/4		3/4		3/4		3/4		3/4	
6	1,424.37	6	1,121.22	6	824.78	6	527.29	6	223.56	6		6		6		6		6	
1/4	1,418.14	1/4	1,114.89	1/4	818.73	1/4	520.96	1/4	217.23	1/4		1/4		1/4		1/4		1/4	
1/2	1,411.91	1/2	1,108.56	1/2	812.69	1/2	514.64	1/2	210.90	1/2		1/2		1/2		1/2		1/2	
3/4	1,405.68	3/4	1,102.23	3/4	806.65	3/4	508.31	3/4	204.57	3/4		3/4		3/4		3/4		3/4	
7	1,399.45	7	1,095.91	7	800.60	7	501.98	7	198.25	7		7		7		7		7	
1/4	1,393.22	1/4	1,089.58	1/4	794.56	1/4	495.65	1/4	191.92	1/4		1/4		1/4		1/4		1/4	
1/2	1,386.99	1/2	1,083.25	1/2	788.51	1/2	489.32	1/2	185.59	1/2		1/2		1/2		1/2		1/2	
3/4	1,380.67	3/4	1,076.92	3/4	782.47	3/4	483.00	3/4	179.26	3/4		3/4		3/4		3/4		3/4	
8	1,374.34	8	1,070.59	8	776.43	8	476.67	8	172.93	8		8		8		8		8	
1/4	1,368.01	1/4	1,064.27	1/4	770.38	1/4	470.34	1/4	166.61	1/4		1/4		1/4		1/4		1/4	
1/2	1,361.68	1/2	1,057.94	1/2	764.34	1/2	464.01	1/2	160.28	1/2		1/2		1/2		1/2		1/2	
3/4	1,355.35	3/4	1,051.61	3/4	758.30	3/4	457.69	3/4	154.12	3/4		3/4		3/4		3/4		3/4	
9	1,349.03	9	1,045.28	9	752.25	9	451.36	9	147.96	9		9		9		9		9	
1/4	1,342.70	1/4	1,038.95	1/4	746.21	1/4	445.03	1/4	141.81	1/4		1/4		1/4		1/4		1/4	
1/2	1,336.37	1/2	1,032.63	1/2	740.16	1/2	438.70	1/2	135.65	1/2		1/2		1/2		1/2		1/2	
3/4	1,330.04	3/4	1,026.30	3/4	734.12	3/4	432.37	3/4	129.50	3/4		3/4		3/4		3/4		3/4	
10	1,323.71	10	1,019.97	10	728.08	10	426.05	10	123.34	10		10		10		10		10	
1/4	1,317.39	1/4	1,013.64	1/4	722.03	1/4	419.72	1/4	117.19	1/4		1/4		1/4		1/4		1/4	
1/2	1,311.06	1/2	1,007.31	1/2	715.99	1/2	413.39	1/2	111.03	1/2		1/2		1/2		1/2		1/2	
3/4	1,304.73	3/4	1,000.99	3/4	709.95	3/4	407.06	3/4	104.89	3/4		3/4		3/4		3/4		3/4	
11	1,298.40	11	994.66	11	703.90	11	400.74	11	98.74	11		11		11		11		11	
1/4	1,292.07	1/4	988.33	1/4	697.86	1/4	394.41	1/4	92.59	1/4		1/4		1/4		1/4		1/4	
1/2	1,285.75	1/2	982.00	1/2	691.81	1/2	388.08	1/2	86.45	1/2		1/2		1/2		1/2		1/2	
3/4	1,279.42	3/4	975.95	3/4	685.49	3/4	381.75	3/4	80.32	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 ULLAGE 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	1,582.31	0	1,280.16	0	976.41	0	672.83	0	369.09	0	68.07	0		0		0		0	
1/4	1,575.98	1/4	1,273.83	1/4	970.08	1/4	666.50	1/4	362.77	1/4	61.94	1/4		1/4	1/4		1/4	1/4	
1/2	1,569.66	1/2	1,267.50	1/2	963.75	1/2	660.18	1/2	356.44	1/2	56.42	1/2		1/2	1/2		1/2	1/2	
3/4	1,563.33	3/4	1,261.17	3/4	957.42	3/4	653.85	3/4	350.11	3/4	50.90	3/4		3/4	3/4		3/4	3/4	
1	1,557.00	1	1,254.84	1	951.10	1	647.52	1	343.78	1	45.38	1		1	1		1	1	
1/4	1,550.67	1/4	1,248.52	1/4	944.77	1/4	641.19	1/4	337.45	1/4	39.86	1/4		1/4	1/4		1/4	1/4	
1/2	1,544.34	1/2	1,242.19	1/2	938.44	1/2	634.87	1/2	331.13	1/2	35.60	1/2		1/2	1/2		1/2	1/2	
3/4	1,538.02	3/4	1,235.86	3/4	932.11	3/4	628.54	3/4	324.80	3/4	31.34	3/4		3/4	3/4		3/4	3/4	
2	1,531.69	2	1,229.53	2	925.78	2	622.21	2	318.47	2	27.08	2		2	2		2	2	
1/4	1,525.36	1/4	1,223.20	1/4	919.46	1/4	615.88	1/4	312.14	1/4	22.83	1/4		1/4	1/4		1/4	1/4	
1/2	1,519.03	1/2	1,216.88	1/2	913.13	1/2	609.55	1/2	305.81	1/2		1/2		1/2	1/2		1/2	1/2	
3/4	1,512.70	3/4	1,210.55	3/4	906.80	3/4	603.23	3/4	299.49	3/4		3/4		3/4	3/4		3/4	3/4	
3	1,506.37	3	1,204.22	3	900.47	3	596.90	3	293.16	3		3		3	3		3	3	
1/4	1,500.05	1/4	1,197.89	1/4	894.14	1/4	590.57	1/4	286.83	1/4		1/4		1/4	1/4		1/4	1/4	
1/2	1,493.82	1/2	1,191.56	1/2	887.82	1/2	584.24	1/2	280.50	1/2		1/2		1/2	1/2		1/2	1/2	
3/4	1,487.59	3/4	1,185.24	3/4	881.50	3/4	577.91	3/4	274.17	3/4		3/4		3/4	3/4		3/4	3/4	
4	1,481.36	4	1,178.91	4	875.17	4	571.59	4	267.85	4		4		4	4		4	4	
1/4	1,475.13	1/4	1,172.58	1/4	868.85	1/4	565.26	1/4	261.52	1/4		1/4		1/4	1/4		1/4	1/4	
1/2	1,468.90	1/2	1,166.25	1/2	862.53	1/2	558.93	1/2	255.19	1/2		1/2		1/2	1/2		1/2	1/2	
3/4	1,462.68	3/4	1,159.92	3/4	856.21	3/4	552.60	3/4	248.86	3/4		3/4		3/4	3/4		3/4	3/4	
5	1,456.45	5	1,153.59	5	849.88	5	546.27	5	242.54	5		5		5	5		5	5	
1/4	1,450.22	1/4	1,147.27	1/4	843.56	1/4	539.95	1/4	236.21	1/4		1/4		1/4	1/4		1/4	1/4	
1/2	1,443.99	1/2	1,140.94	1/2	837.24	1/2	533.62	1/2	229.88	1/2		1/2		1/2	1/2		1/2	1/2	
3/4	1,437.76	3/4	1,134.61	3/4	830.92	3/4	527.29	3/4	223.55	3/4		3/4		3/4	3/4		3/4	3/4	
6	1,431.53	6	1,128.28	6	824.59	6	520.96	6	217.22	6		6		6	6		6	6	
1/4	1,425.30	1/4	1,121.95	1/4	818.27	1/4	514.64	1/4	210.90	1/4		1/4		1/4	1/4		1/4	1/4	
1/2	1,419.08	1/2	1,115.63	1/2	811.95	1/2	508.31	1/2	204.57	1/2		1/2		1/2	1/2		1/2	1/2	
3/4	1,412.85	3/4	1,109.30	3/4	805.62	3/4	501.98	3/4	198.24	3/4		3/4		3/4	3/4		3/4	3/4	
7	1,406.62	7	1,102.97	7	799.30	7	495.65	7	191.91	7		7		7	7		7	7	
1/4	1,400.39	1/4	1,096.64	1/4	792.98	1/4	489.32	1/4	185.58	1/4		1/4		1/4	1/4		1/4	1/4	
1/2	1,394.06	1/2	1,090.31	1/2	786.66	1/2	483.00	1/2	179.26	1/2		1/2		1/2	1/2		1/2	1/2	
3/4	1,387.73	3/4	1,083.99	3/4	780.33	3/4	476.67	3/4	172.93	3/4		3/4		3/4	3/4		3/4	3/4	
8	1,381.41	8	1,077.66	8	774.01	8	470.34	8	166.60	8		8		8	8		8	8	
1/4	1,375.08	1/4	1,071.33	1/4	767.69	1/4	464.01	1/4	160.27	1/4		1/4		1/4	1/4		1/4	1/4	
1/2	1,368.75	1/2	1,065.00	1/2	761.37	1/2	457.68	1/2	154.12	1/2		1/2		1/2	1/2		1/2	1/2	
3/4	1,362.42	3/4	1,058.67	3/4	755.04	3/4	451.36	3/4	147.96	3/4		3/4		3/4	3/4		3/4	3/4	
9	1,356.09	9	1,052.35	9	748.72	9	445.03	9	141.80	9		9		9	9		9	9	
1/4	1,349.77	1/4	1,046.02	1/4	742.40	1/4	438.70	1/4	135.65	1/4		1/4		1/4	1/4		1/4	1/4	
1/2	1,343.44	1/2	1,039.69	1/2	736.08	1/2	432.37	1/2	129.49	1/2		1/2		1/2	1/2		1/2	1/2	
3/4	1,337.11	3/4	1,033.36	3/4	729.75	3/4	426.04	3/4	123.34	3/4		3/4		3/4	3/4		3/4	3/4	
10	1,330.78	10	1,027.03	10	723.43	10	419.72	10	117.18	10		10		10	10		10	10	
1/4	1,324.45	1/4	1,020.70	1/4	717.11	1/4	413.39	1/4	111.03	1/4		1/4		1/4	1/4		1/4	1/4	
1/2	1,318.13	1/2	1,014.38	1/2	710.78	1/2	407.06	1/2	104.88	1/2		1/2		1/2	1/2		1/2	1/2	
3/4	1,311.80	3/4	1,008.05	3/4	704.46	3/4	400.73	3/4	98.74	3/4		3/4		3/4	3/4		3/4	3/4	
11	1,305.47	11	1,001.72	11	698.14	11	394.41	11	92.59	11		11		11	11		11	11	
1/4	1,299.14	1/4	995.39	1/4	691.82	1/4	388.08	1/4	86.44	1/4		1/4		1/4	1/4		1/4	1/4	
1/2	1,292.81	1/2	989.06	1/2	685.49	1/2	381.75	1/2	80.32	1/2		1/2		1/2	1/2		1/2	1/2	
3/4	1,286.48	3/4	982.74	3/4	679.16	3/4	375.42	3/4	74.19	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
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CANCELS AND SUPERCEDES
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PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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<http://www.pmacorp.net>



BARGE "MM 302"

4 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 10'-08 1/4"

Table with 21 columns (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.) and 48 rows of capacity data.

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 ULLAGE 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.

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Signature of Precision Measurement & Analysis, Inc.



BARGE "MM 302"

ULLAGE 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 ULLAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 237'-03"

February 18, 2015

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