

BARGE "MM 308"

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	00-1/8	- 00-1/8
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	- 04-4/8	04-4/8	- 05-5/8	05-5/8	- 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	- 04-4/8	04-4/8	- 05-5/8	05-5/8	- 06-3/4	06-3/4

(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"

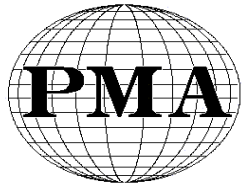
LENGTH BETWEEN DRAFT MARKS: 237'-03"

April 7, 2015

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "MM 308"

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	- 00-3/8	00-3/8
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	- 00-3/8	00-3/8
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	- 01-1/8	01-1/8	- 02-3/8	02-3/8	- 03-1/2	03-1/2	- 04-3/4	04-3/4	- 05-7/8	05-7/8	- 07-1/8	07-1/8
4 STBD	- 01-1/8	01-1/8	- 02-3/8	02-3/8	- 03-1/2	03-1/2	- 04-3/4	04-3/4	- 05-7/8	05-7/8	- 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 4 PORT IS 02-3/8"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 4 PORT, THE TRIM CORRECTED INNAGE IS 4'-02 3/8"

LENGTH BETWEEN DRAFT MARKS: 237'-03"

April 7, 2015

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "MM 308"

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		1/4	
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		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		3/4	
1	31	1	707	1	1,589	1	2,507	1	3,329	1		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		1/4	
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		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		3/4	
2	70	2	776	2	1,666	2	2,581	2	3,388	2		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		1/4	
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		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		3/4	
3	115	3	846	3	1,743	3	2,655	3	3,444	3		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		1/4	
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		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		3/4	
4	163	4	917	4	1,820	4	2,727	4	3,497	4		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		1/4	
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		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		3/4	
5	214	5	989	5	1,897	5	2,799	5	3,548	5		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		1/4	
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		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		3/4	
6	269	6	1,062	6	1,975	6	2,870	6	3,595	6		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		1/4	
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		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		3/4	
7	325	7	1,136	7	2,052	7	2,940	7	3,639	7		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		1/4	
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		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		3/4	
8	385	8	1,210	8	2,128	8	3,008	8	3,676	8		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		1/4	
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		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		3/4	
9	446	9	1,285	9	2,205	9	3,076	9		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		1/4	
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		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		3/4	
10	509	10	1,361	10	2,281	10	3,141	10		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		1/4	
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		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		3/4	
11	573	11	1,436	11	2,357	11	3,206	11		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		1/4	
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		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		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 IS SCALED FROM THE BOTTOM OF TANK

STRAPPED: 04/06/2015 CL
CALCULATED: 04/06/2015 CL
PRINTED: 04/07/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2015

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



BARGE "MM 308"

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	

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 IS SCALED FROM THE BOTTOM OF TANK

STRAPPED: 04/06/2015 CL
CALCULATED: 04/06/2015 CL
PRINTED: 04/07/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2015

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



BARGE "MM 308"

4 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 10'-07 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	17.14	0	228.85	0	448.26	0	666.93	0	886.29	0	1,104.67	0	1,324.07	0	1,543.06	0	1,761.85	0	1,980.64	0	
1/4	20.33	1/4	233.42	1/4	452.83	1/4	671.49	1/4	890.86	1/4	1,109.24	1/4	1,328.64	1/4	1,547.62	1/4	1,766.41	1/4	1,985.15	1/4	
1/2	23.52	1/2	237.99	1/2	457.40	1/2	676.04	1/2	895.43	1/2	1,113.81	1/2	1,333.21	1/2	1,552.18	1/2	1,770.97	1/2	1,989.67	1/2	
3/4	26.71	3/4	242.56	3/4	461.98	3/4	680.60	3/4	900.00	3/4	1,118.38	3/4	1,337.78	3/4	1,556.74	3/4	1,775.53	3/4	1,994.18	3/4	
1	29.90	1	247.13	1	466.55	1	685.15	1	904.57	1	1,122.95	1	1,342.35	1	1,561.30	1	1,780.08	1	1,998.69	1	
1/4	34.00	1/4	251.70	1/4	471.12	1/4	689.72	1/4	909.15	1/4	1,127.52	1/4	1,346.92	1/4	1,565.85	1/4	1,784.64	1/4	2,003.21	1/4	
1/2	38.10	1/2	256.28	1/2	475.69	1/2	694.29	1/2	913.72	1/2	1,132.09	1/2	1,351.50	1/2	1,570.41	1/2	1,789.20	1/2	2,007.72	1/2	
3/4	42.21	3/4	260.85	3/4	480.26	3/4	698.87	3/4	918.29	3/4	1,136.66	3/4	1,356.07	3/4	1,574.97	3/4	1,793.76	3/4	2,012.23	3/4	
2	46.31	2	265.42	2	484.83	2	703.44	2	922.86	2	1,141.23	2	1,360.64	2	1,579.53	2	1,798.32	2	2,016.75	2	
1/4	50.84	1/4	269.99	1/4	489.40	1/4	708.01	1/4	927.43	1/4	1,145.80	1/4	1,365.21	1/4	1,584.09	1/4	1,802.87	1/4	2,021.26	1/4	
1/2	55.38	1/2	274.56	1/2	493.97	1/2	712.58	1/2	932.00	1/2	1,150.38	1/2	1,369.78	1/2	1,588.64	1/2	1,807.43	1/2	2,025.77	1/2	
3/4	59.92	3/4	279.13	3/4	498.54	3/4	717.15	3/4	936.57	3/4	1,154.95	3/4	1,374.35	3/4	1,593.20	3/4	1,811.99	3/4	2,030.29	3/4	
3	64.45	3	283.70	3	503.11	3	721.72	3	941.14	3	1,159.52	3	1,378.92	3	1,597.76	3	1,816.55	3	2,034.80	3	
1/4	69.01	1/4	288.27	1/4	507.66	1/4	726.29	1/4	945.72	1/4	1,164.09	1/4	1,383.49	1/4	1,602.32	1/4	1,821.11	1/4	2,039.31	1/4	
1/2	73.56	1/2	292.84	1/2	512.21	1/2	730.86	1/2	950.29	1/2	1,168.66	1/2	1,388.06	1/2	1,606.88	1/2	1,825.67	1/2	2,043.83	1/2	
3/4	78.11	3/4	297.42	3/4	516.76	3/4	735.44	3/4	954.86	3/4	1,173.23	3/4	1,392.63	3/4	1,611.43	3/4	1,830.22	3/4	2,048.34	3/4	
4	82.67	4	301.99	4	521.31	4	740.01	4	959.43	4	1,177.80	4	1,397.20	4	1,615.99	4	1,834.78	4	2,052.85	4	
1/4	87.22	1/4	306.56	1/4	525.86	1/4	744.58	1/4	964.00	1/4	1,182.37	1/4	1,401.76	1/4	1,620.55	1/4	1,839.34	1/4	2,057.36	1/4	
1/2	91.78	1/2	311.13	1/2	530.41	1/2	749.15	1/2	968.57	1/2	1,186.94	1/2	1,406.32	1/2	1,625.11	1/2	1,843.90	1/2	2,061.88	1/2	
3/4	96.34	3/4	315.70	3/4	534.96	3/4	753.72	3/4	973.14	3/4	1,191.51	3/4	1,410.88	3/4	1,629.67	3/4	1,848.46	3/4	2,066.39	3/4	
5	100.90	5	320.27	5	539.51	5	758.29	5	977.71	5	1,196.08	5	1,415.44	5	1,634.23	5	1,853.01	5	2,070.90	5	
1/4	105.46	1/4	324.84	1/4	544.06	1/4	762.86	1/4	982.29	1/4	1,200.66	1/4	1,419.99	1/4	1,638.78	1/4	1,857.57	1/4	2,075.40	1/4	
1/2	110.02	1/2	329.41	1/2	548.61	1/2	767.44	1/2	986.86	1/2	1,205.23	1/2	1,424.55	1/2	1,643.34	1/2	1,862.13	1/2	2,079.91	1/2	
3/4	114.58	3/4	333.98	3/4	553.16	3/4	772.01	3/4	991.43	3/4	1,209.80	3/4	1,429.11	3/4	1,647.90	3/4	1,866.69	3/4	2,084.42	3/4	
6	119.14	6	338.56	6	557.71	6	776.58	6	996.00	6	1,214.37	6	1,433.67	6	1,652.46	6	1,871.25	6	2,088.92	6	
1/4	123.71	1/4	343.13	1/4	562.26	1/4	781.15	1/4	1,000.57	1/4	1,218.94	1/4	1,438.23	1/4	1,657.02	1/4	1,875.80	1/4	2,093.41	1/4	
1/2	128.28	1/2	347.70	1/2	566.81	1/2	785.72	1/2	1,005.14	1/2	1,223.51	1/2	1,442.79	1/2	1,661.57	1/2	1,880.36	1/2	2,097.91	1/2	
3/4	132.86	3/4	352.27	3/4	571.36	3/4	790.29	3/4	1,009.71	3/4	1,228.08	3/4	1,447.34	3/4	1,666.13	3/4	1,884.92	3/4	2,102.40	3/4	
7	137.43	7	356.84	7	575.91	7	794.86	7	1,014.29	7	1,232.65	7	1,451.90	7	1,670.69	7	1,889.48	7	2,106.89	7	
1/4	142.00	1/4	361.41	1/4	580.46	1/4	799.43	1/4	1,018.79	1/4	1,237.22	1/4	1,456.46	1/4	1,675.25	1/4	1,894.04	1/4	2,110.94	1/4	
1/2	146.57	1/2	365.98	1/2	585.01	1/2	804.01	1/2	1,023.30	1/2	1,241.79	1/2	1,461.02	1/2	1,679.81	1/2	1,898.60	1/2	2,115.00	1/2	
3/4	151.14	3/4	370.55	3/4	589.56	3/4	808.58	3/4	1,027.80	3/4	1,246.36	3/4	1,465.58	3/4	1,684.36	3/4	1,903.15	3/4	2,119.05	3/4	
8	155.71	8	375.12	8	594.11	8	813.15	8	1,032.31	8	1,250.94	8	1,470.13	8	1,688.92	8	1,907.71	8	2,123.11	8	
1/4	160.28	1/4	379.70	1/4	598.66	1/4	817.72	1/4	1,036.82	1/4	1,255.51	1/4	1,474.69	1/4	1,693.48	1/4	1,912.27	1/4	2,126.25	1/4	
1/2	164.85	1/2	384.27	1/2	603.21	1/2	822.29	1/2	1,041.32	1/2	1,260.08	1/2	1,479.25	1/2	1,698.04	1/2	1,916.83	1/2		1/2	
3/4	169.42	3/4	388.84	3/4	607.76	3/4	826.86	3/4	1,045.83	3/4	1,264.65	3/4	1,483.81	3/4	1,702.60	3/4	1,921.39	3/4		3/4	
9	174.00	9	393.41	9	612.31	9	831.43	9	1,050.33	9	1,269.22	9	1,488.37	9	1,707.15	9	1,925.94	9		9	
1/4	178.57	1/4	397.98	1/4	616.86	1/4	836.00	1/4	1,054.84	1/4	1,273.79	1/4	1,492.92	1/4	1,711.71	1/4	1,930.50	1/4		1/4	
1/2	183.14	1/2	402.55	1/2	621.41	1/2	840.58	1/2	1,059.35	1/2	1,278.36	1/2	1,497.48	1/2	1,716.27	1/2	1,935.06	1/2		1/2	
3/4	187.71	3/4	407.12	3/4	625.96	3/4	845.15	3/4	1,063.85	3/4	1,282.93	3/4	1,502.04	3/4	1,720.83	3/4	1,939.62	3/4		3/4	
10	192.28	10	411.69	10	630.51	10	849.72	10	1,068.36	10	1,287.50	10	1,506.60	10	1,725.39	10	1,944.18	10		10	
1/4	196.85	1/4	416.26	1/4	635.06	1/4	854.29	1/4	1,072.86	1/4	1,292.07	1/4	1,511.16	1/4	1,729.95	1/4	1,948.73	1/4		1/4	
1/2	201.42	1/2	420.84	1/2	639.61	1/2	858.86	1/2	1,077.37	1/2	1,296.64	1/2	1,515.71	1/2	1,734.50	1/2	1,953.29	1/2		1/2	
3/4	205.99	3/4	425.41	3/4	644.16	3/4	863.43	3/4	1,081.88	3/4	1,301.22	3/4	1,520.27	3/4	1,739.06	3/4	1,957.85	3/4		3/4	
11	210.56	11	429.98	11	648.71	11	868.00	11	1,086.38	11	1,305.79	11	1,524.83	11	1,743.62	11	1,962.41	11		11	
1/4	215.14	1/4	434.55	1/4	653.26	1/4	872.57	1/4	1,090.95	1/4	1,310.36	1/4	1,529.39	1/4	1,748.18	1/4	1,966.97	1/4		1/4	
1/2	219.71	1/2	439.12	1/2	657.82	1/2	877.15	1/2	1,095.52	1/2	1,314.93	1/2	1,533.95	1/2	1,752.74	1/2	1,971.52	1/2		1/2	
3/4	224.28	3/4	443.69	3/4	662.37	3/4	881.72	3/4	1,100.10	3/4	1,319.50	3/4	1,538.51	3/4	1,757.29	3/4	1,976.08	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.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2015

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "MM 308"

4 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 10'-07 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.	IN	10 FT.
0	17.14	0	228.22	0	446.98	0	658.45	0	874.63	0	1,090.70	0	1,309.15	0	1,527.31	0	1,745.27	0	1,963.23	0	
1/4	20.33	1/4	232.78	1/4	451.54	1/4	662.81	1/4	879.18	1/4	1,095.24	1/4	1,313.70	1/4	1,531.85	1/4	1,749.81	1/4	1,967.72	1/4	
1/2	23.51	1/2	237.33	1/2	456.09	1/2	667.17	1/2	883.73	1/2	1,099.79	1/2	1,318.26	1/2	1,536.39	1/2	1,754.35	1/2	1,972.22	1/2	
3/4	26.70	3/4	241.89	3/4	460.65	3/4	671.53	3/4	888.27	3/4	1,104.33	3/4	1,322.81	3/4	1,540.93	3/4	1,758.89	3/4	1,976.72	3/4	
1	29.89	1	246.45	1	465.21	1	675.89	1	892.82	1	1,108.88	1	1,327.36	1	1,545.47	1	1,763.43	1	1,981.21	1	
1/4	33.98	1/4	251.01	1/4	469.77	1/4	680.26	1/4	897.37	1/4	1,113.43	1/4	1,331.92	1/4	1,550.02	1/4	1,767.97	1/4	1,985.71	1/4	
1/2	38.06	1/2	255.56	1/2	474.32	1/2	684.64	1/2	901.92	1/2	1,117.97	1/2	1,336.47	1/2	1,554.56	1/2	1,772.51	1/2	1,990.20	1/2	
3/4	42.15	3/4	260.12	3/4	478.88	3/4	689.01	3/4	906.47	3/4	1,122.52	3/4	1,341.02	3/4	1,559.10	3/4	1,777.06	3/4	1,994.70	3/4	
2	46.24	2	264.68	2	483.44	2	693.39	2	911.02	2	1,127.07	2	1,345.58	2	1,563.64	2	1,781.60	2	1,999.19	2	
1/4	50.76	1/4	269.24	1/4	488.00	1/4	697.76	1/4	915.56	1/4	1,131.61	1/4	1,350.13	1/4	1,568.18	1/4	1,786.14	1/4	2,003.69	1/4	
1/2	55.29	1/2	273.79	1/2	492.55	1/2	702.14	1/2	920.11	1/2	1,136.16	1/2	1,354.68	1/2	1,572.72	1/2	1,790.68	1/2	2,008.18	1/2	
3/4	59.81	3/4	278.35	3/4	497.11	3/4	706.51	3/4	924.66	3/4	1,140.71	3/4	1,359.24	3/4	1,577.26	3/4	1,795.22	3/4	2,012.68	3/4	
3	64.34	3	282.91	3	501.67	3	710.89	3	929.21	3	1,145.25	3	1,363.79	3	1,581.80	3	1,799.76	3	2,017.18	3	
1/4	68.87	1/4	287.47	1/4	506.02	1/4	715.44	1/4	933.76	1/4	1,149.80	1/4	1,368.35	1/4	1,586.34	1/4	1,804.30	1/4	2,021.67	1/4	
1/2	73.41	1/2	292.02	1/2	510.38	1/2	719.99	1/2	938.30	1/2	1,154.34	1/2	1,372.90	1/2	1,590.88	1/2	1,808.84	1/2	2,026.17	1/2	
3/4	77.95	3/4	296.58	3/4	514.74	3/4	724.53	3/4	942.85	3/4	1,158.89	3/4	1,377.45	3/4	1,595.42	3/4	1,813.38	3/4	2,030.66	3/4	
4	82.49	4	301.14	4	519.09	4	729.08	4	947.40	4	1,163.44	4	1,382.01	4	1,599.96	4	1,817.92	4	2,035.16	4	
1/4	87.04	1/4	305.70	1/4	523.45	1/4	733.63	1/4	951.91	1/4	1,167.99	1/4	1,386.55	1/4	1,604.50	1/4	1,822.46	1/4	2,039.65	1/4	
1/2	91.58	1/2	310.25	1/2	527.81	1/2	738.18	1/2	956.42	1/2	1,172.54	1/2	1,391.09	1/2	1,609.05	1/2	1,827.00	1/2	2,044.15	1/2	
3/4	96.13	3/4	314.81	3/4	532.16	3/4	742.73	3/4	960.93	3/4	1,177.10	3/4	1,395.63	3/4	1,613.59	3/4	1,831.54	3/4	2,048.65	3/4	
5	100.67	5	319.37	5	536.52	5	747.28	5	965.44	5	1,181.65	5	1,400.17	5	1,618.13	5	1,836.09	5	2,053.14	5	
1/4	105.22	1/4	323.93	1/4	540.88	1/4	751.82	1/4	969.95	1/4	1,186.21	1/4	1,404.71	1/4	1,622.67	1/4	1,840.63	1/4	2,057.63	1/4	
1/2	109.76	1/2	328.48	1/2	545.23	1/2	756.37	1/2	974.46	1/2	1,190.76	1/2	1,409.25	1/2	1,627.21	1/2	1,845.17	1/2	2,062.12	1/2	
3/4	114.31	3/4	333.04	3/4	549.58	3/4	760.92	3/4	978.97	3/4	1,195.31	3/4	1,413.79	3/4	1,631.75	3/4	1,849.71	3/4	2,066.61	3/4	
6	118.86	6	337.60	6	553.94	6	765.47	6	983.48	6	1,199.87	6	1,418.33	6	1,636.29	6	1,854.25	6	2,071.10	6	
1/4	123.41	1/4	342.16	1/4	558.29	1/4	770.02	1/4	988.00	1/4	1,204.42	1/4	1,422.87	1/4	1,640.83	1/4	1,858.79	1/4	2,075.57	1/4	
1/2	127.97	1/2	346.71	1/2	562.64	1/2	774.57	1/2	992.51	1/2	1,208.97	1/2	1,427.41	1/2	1,645.37	1/2	1,863.33	1/2	2,080.04	1/2	
3/4	132.52	3/4	351.27	3/4	567.00	3/4	779.11	3/4	997.02	3/4	1,213.53	3/4	1,431.95	3/4	1,649.91	3/4	1,867.87	3/4	2,084.52	3/4	
7	137.08	7	355.83	7	571.35	7	783.66	7	1,001.53	7	1,218.08	7	1,436.50	7	1,654.45	7	1,872.41	7	2,088.97	7	
1/4	141.64	1/4	360.39	1/4	575.71	1/4	788.21	1/4	1,005.97	1/4	1,222.63	1/4	1,441.04	1/4	1,658.99	1/4	1,876.95	1/4	2,093.05	1/4	
1/2	146.19	1/2	364.94	1/2	580.06	1/2	792.76	1/2	1,010.42	1/2	1,227.19	1/2	1,445.58	1/2	1,663.54	1/2	1,881.49	1/2	2,097.10	1/2	
3/4	150.75	3/4	369.50	3/4	584.41	3/4	797.31	3/4	1,014.86	3/4	1,231.74	3/4	1,450.12	3/4	1,668.08	3/4	1,886.03	3/4	2,101.15	3/4	
8	155.30	8	374.06	8	588.77	8	801.86	8	1,019.31	8	1,236.29	8	1,454.66	8	1,672.62	8	1,890.58	8	2,105.20	8	
1/4	159.86	1/4	378.62	1/4	593.12	1/4	806.40	1/4	1,023.75	1/4	1,240.85	1/4	1,459.20	1/4	1,677.16	1/4	1,895.12	1/4	2,108.35	1/4	
1/2	164.42	1/2	383.17	1/2	597.48	1/2	810.95	1/2	1,028.20	1/2	1,245.40	1/2	1,463.74	1/2	1,681.70	1/2	1,899.66	1/2		1/2	
3/4	168.97	3/4	387.73	3/4	601.83	3/4	815.50	3/4	1,032.64	3/4	1,249.95	3/4	1,468.28	3/4	1,686.24	3/4	1,904.20	3/4		3/4	
9	173.53	9	392.29	9	606.18	9	820.05	9	1,037.09	9	1,254.51	9	1,472.82	9	1,690.78	9	1,908.74	9		9	
1/4	178.09	1/4	396.85	1/4	610.54	1/4	824.60	1/4	1,041.54	1/4	1,259.06	1/4	1,477.36	1/4	1,695.32	1/4	1,913.28	1/4		1/4	
1/2	182.64	1/2	401.40	1/2	614.89	1/2	829.15	1/2	1,045.98	1/2	1,263.61	1/2	1,481.90	1/2	1,699.86	1/2	1,917.82	1/2		1/2	
3/4	187.20	3/4	405.96	3/4	619.25	3/4	833.69	3/4	1,050.43	3/4	1,268.17	3/4	1,486.44	3/4	1,704.40	3/4	1,922.36	3/4		3/4	
10	191.76	10	410.52	10	623.60	10	838.24	10	1,054.87	10	1,272.72	10	1,490.98	10	1,708.94	10	1,926.90	10		10	
1/4	196.32	1/4	415.08	1/4	627.95	1/4	842.79	1/4	1,059.32	1/4	1,277.28	1/4	1,495.53	1/4	1,713.48	1/4	1,931.44	1/4		1/4	
1/2	200.87	1/2	419.63	1/2	632.31	1/2	847.34	1/2	1,063.76	1/2	1,281.83	1/2	1,500.07	1/2	1,718.02	1/2	1,935.98	1/2		1/2	
3/4	205.43	3/4	424.19	3/4	636.66	3/4	851.89	3/4	1,068.21	3/4	1,286.38	3/4	1,504.61	3/4	1,722.57	3/4	1,940.52	3/4		3/4	
11	209.99	11	428.75	11	641.01	11	856.44	11	1,072.65	11	1,290.94	11	1,509.15	11	1,727.11	11	1,945.06	11		11	
1/4	214.55	1/4	433.31	1/4	645.37	1/4	860.98	1/4	1,077.16	1/4	1,295.49	1/4	1,513.69	1/4	1,731.65	1/4	1,949.61	1/4		1/4	
1/2	219.10	1/2	437.86	1/2	649.73	1/2	865.53	1/2	1,081.67	1/2	1,300.04	1/2	1,518.23	1/2	1,736.19	1/2	1,954.15	1/2		1/2	
3/4	223.66	3/4	442.42	3/4	654.09	3/4	870.08	3/4	1,086.18	3/4	1,304.60	3/4	1,522.77	3/4	1,740.73	3/4	1,958.69	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: 04/06/2015 CL
CALCULATED: 04/07/2015 CL
PRINTED: 04/07/2015 CL

PRECISION MEASUREMENT
& ANALYSIS, INC.

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Pearland, Texas 77588

<http://www.pmacorp.net>

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2015



BARGE "MM 308"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02"

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	22.81	0	311.96	0	615.52	0	918.93	0	1,222.50	0	1,524.48	0	1,828.06	0	2,131.64	0	2,435.21	0	2,738.79
1/4	27.07	1/4	318.29	1/4	621.85	1/4	925.25	1/4	1,228.82	1/4	1,530.81	1/4	1,834.38	1/4	2,137.96	1/4	2,441.54	1/4	2,745.11
1/2	31.32	1/2	324.61	1/2	628.17	1/2	931.58	1/2	1,235.15	1/2	1,537.13	1/2	1,840.71	1/2	2,144.29	1/2	2,447.86	1/2	2,751.44
3/4	35.58	3/4	330.93	3/4	634.50	3/4	937.90	3/4	1,241.47	3/4	1,543.46	3/4	1,847.03	3/4	2,150.61	3/4	2,454.19	3/4	2,757.76
1	39.84	1	337.26	1	640.82	1	944.23	1	1,247.80	1	1,549.78	1	1,853.36	1	2,156.93	1	2,460.51	1	2,764.09
1/4	45.35	1/4	343.58	1/4	647.14	1/4	950.55	1/4	1,254.12	1/4	1,556.11	1/4	1,859.68	1/4	2,163.26	1/4	2,466.83	1/4	2,770.41
1/2	50.87	1/2	349.91	1/2	653.47	1/2	956.88	1/2	1,260.45	1/2	1,562.43	1/2	1,866.01	1/2	2,169.58	1/2	2,473.16	1/2	2,776.74
3/4	56.39	3/4	356.23	3/4	659.79	3/4	963.20	3/4	1,266.77	3/4	1,568.76	3/4	1,872.33	3/4	2,175.91	3/4	2,479.48	3/4	2,783.06
2	61.91	2	362.56	2	666.12	2	969.52	2	1,273.10	2	1,575.08	2	1,878.66	2	2,182.23	2	2,485.81	2	2,789.38
1/4	68.03	1/4	368.88	1/4	672.44	1/4	975.85	1/4	1,279.42	1/4	1,581.40	1/4	1,884.98	1/4	2,188.56	1/4	2,492.13	1/4	2,795.71
1/2	74.15	1/2	375.20	1/2	678.77	1/2	982.17	1/2	1,285.74	1/2	1,587.73	1/2	1,891.31	1/2	2,194.88	1/2	2,498.46	1/2	2,802.03
3/4	80.27	3/4	381.53	3/4	685.09	3/4	988.50	3/4	1,292.07	3/4	1,594.05	3/4	1,897.63	3/4	2,201.21	3/4	2,504.78	3/4	2,808.36
3	86.39	3	387.85	3	691.41	3	994.82	3	1,298.39	3	1,600.38	3	1,903.95	3	2,207.53	3	2,511.11	3	2,814.68
1/4	92.54	1/4	394.18	1/4	697.73	1/4	1,001.15	1/4	1,304.72	1/4	1,606.70	1/4	1,910.28	1/4	2,213.85	1/4	2,517.43	1/4	2,821.01
1/2	98.68	1/2	400.50	1/2	704.05	1/2	1,007.47	1/2	1,311.04	1/2	1,613.03	1/2	1,916.60	1/2	2,220.18	1/2	2,523.76	1/2	2,827.33
3/4	104.82	3/4	406.82	3/4	710.37	3/4	1,013.79	3/4	1,317.37	3/4	1,619.35	3/4	1,922.93	3/4	2,226.50	3/4	2,530.08	3/4	2,833.66
4	110.96	4	413.15	4	716.69	4	1,020.12	4	1,323.69	4	1,625.68	4	1,929.25	4	2,232.83	4	2,536.40	4	2,839.98
1/4	117.12	1/4	419.47	1/4	723.01	1/4	1,026.44	1/4	1,330.01	1/4	1,632.00	1/4	1,935.58	1/4	2,239.15	1/4	2,542.73	1/4	2,846.30
1/2	123.27	1/2	425.80	1/2	729.33	1/2	1,032.77	1/2	1,336.34	1/2	1,638.33	1/2	1,941.90	1/2	2,245.48	1/2	2,549.05	1/2	2,852.63
3/4	129.42	3/4	432.12	3/4	735.65	3/4	1,039.09	3/4	1,342.66	3/4	1,644.65	3/4	1,948.23	3/4	2,251.80	3/4	2,555.38	3/4	2,858.95
5	135.57	5	438.45	5	741.97	5	1,045.42	5	1,348.99	5	1,650.97	5	1,954.55	5	2,258.13	5	2,561.70	5	2,865.28
1/4	141.72	1/4	444.77	1/4	748.29	1/4	1,051.74	1/4	1,355.31	1/4	1,657.30	1/4	1,960.87	1/4	2,264.45	1/4	2,568.03	1/4	2,871.60
1/2	147.87	1/2	451.09	1/2	754.61	1/2	1,058.07	1/2	1,361.64	1/2	1,663.62	1/2	1,967.20	1/2	2,270.78	1/2	2,574.35	1/2	2,877.93
3/4	154.03	3/4	457.42	3/4	760.93	3/4	1,064.39	3/4	1,367.96	3/4	1,669.95	3/4	1,973.52	3/4	2,277.10	3/4	2,580.68	3/4	2,884.25
6	160.18	6	463.74	6	767.25	6	1,070.71	6	1,374.29	6	1,676.27	6	1,979.85	6	2,283.42	6	2,587.00	6	2,890.58
1/4	166.50	1/4	470.07	1/4	773.56	1/4	1,077.04	1/4	1,380.61	1/4	1,682.60	1/4	1,986.17	1/4	2,289.75	1/4	2,593.32	1/4	2,896.90
1/2	172.83	1/2	476.39	1/2	779.88	1/2	1,083.36	1/2	1,386.93	1/2	1,688.92	1/2	1,992.50	1/2	2,296.07	1/2	2,599.65	1/2	2,903.23
3/4	179.15	3/4	482.71	3/4	786.20	3/4	1,089.69	3/4	1,393.26	3/4	1,695.25	3/4	1,998.82	3/4	2,302.40	3/4	2,605.97	3/4	2,909.55
7	185.48	7	489.04	7	792.52	7	1,096.01	7	1,399.58	7	1,701.57	7	2,005.15	7	2,308.72	7	2,612.30	7	2,915.87
1/4	191.80	1/4	495.36	1/4	798.84	1/4	1,102.34	1/4	1,405.81	1/4	1,707.89	1/4	2,011.47	1/4	2,315.05	1/4	2,618.62	1/4	2,922.20
1/2	198.13	1/2	501.69	1/2	805.16	1/2	1,108.66	1/2	1,412.03	1/2	1,714.22	1/2	2,017.80	1/2	2,321.37	1/2	2,624.95	1/2	2,928.52
3/4	204.45	3/4	508.01	3/4	811.48	3/4	1,114.99	3/4	1,418.26	3/4	1,720.54	3/4	2,024.12	3/4	2,327.70	3/4	2,631.27	3/4	2,934.85
8	210.77	8	514.34	8	817.80	8	1,121.31	8	1,424.48	8	1,726.87	8	2,030.44	8	2,334.02	8	2,637.60	8	2,941.17
1/4	217.10	1/4	520.66	1/4	824.12	1/4	1,127.63	1/4	1,430.71	1/4	1,733.19	1/4	2,036.77	1/4	2,340.34	1/4	2,643.92	1/4	2,947.50
1/2	223.42	1/2	526.98	1/2	830.44	1/2	1,133.96	1/2	1,436.93	1/2	1,739.52	1/2	2,043.09	1/2	2,346.67	1/2	2,650.25	1/2	2,953.82
3/4	229.75	3/4	533.31	3/4	836.76	3/4	1,140.28	3/4	1,443.16	3/4	1,745.84	3/4	2,049.42	3/4	2,352.99	3/4	2,656.57	3/4	2,960.15
9	236.07	9	539.63	9	843.08	9	1,146.61	9	1,449.38	9	1,752.17	9	2,055.74	9	2,359.32	9	2,662.89	9	2,966.47
1/4	242.40	1/4	545.96	1/4	849.40	1/4	1,152.93	1/4	1,455.61	1/4	1,758.49	1/4	2,062.07	1/4	2,365.64	1/4	2,669.22	1/4	2,972.79
1/2	248.72	1/2	552.28	1/2	855.72	1/2	1,159.26	1/2	1,461.84	1/2	1,764.82	1/2	2,068.39	1/2	2,371.97	1/2	2,675.54	1/2	2,979.12
3/4	255.04	3/4	558.61	3/4	862.03	3/4	1,165.58	3/4	1,468.06	3/4	1,771.14	3/4	2,074.72	3/4	2,378.29	3/4	2,681.87	3/4	2,985.44
10	261.37	10	564.93	10	868.35	10	1,171.90	10	1,474.29	10	1,777.46	10	2,081.04	10	2,384.62	10	2,688.19	10	2,991.77
1/4	267.69	1/4	571.25	1/4	874.67	1/4	1,178.23	1/4	1,480.51	1/4	1,783.79	1/4	2,087.36	1/4	2,390.94	1/4	2,694.52	1/4	2,998.09
1/2	274.02	1/2	577.58	1/2	880.99	1/2	1,184.55	1/2	1,486.74	1/2	1,790.11	1/2	2,093.69	1/2	2,397.27	1/2	2,700.84	1/2	3,004.42
3/4	280.34	3/4	583.90	3/4	887.31	3/4	1,190.88	3/4	1,492.96	3/4	1,796.44	3/4	2,100.01	3/4	2,403.59	3/4	2,707.17	3/4	3,010.74
11	286.66	11	590.23	11	893.63	11	1,197.20	11	1,499.19	11	1,802.76	11	2,106.34	11	2,409.91	11	2,713.49	11	3,017.07
1/4	292.99	1/4	596.55	1/4	899.96	1/4	1,203.53	1/4	1,505.51	1/4	1,809.09	1/4	2,112.66	1/4	2,416.24	1/4	2,719.81	1/4	3,023.39
1/2	299.31	1/2	602.87	1/2	906.28	1/2	1,209.85	1/2	1,511.84	1/2	1,815.41	1/2	2,118.99	1/2	2,422.56	1/2	2,726.14	1/2	3,029.72
3/4	305.64	3/4	609.20	3/4	912.60	3/4	1,216.18	3/4	1,518.16	3/4	1,821.74	3/4	2,125.31	3/4	2,428.89	3/4	2,732.46	3/4	3,036.04

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

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BARGE "MM 308"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02"

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	3,042.36	0	3,345.94	0	3,649.48	0	3,953.03	0	4,255.05	0		0		0		0		0	
1/4	3,048.69	1/4	3,352.26	1/4	3,655.81	1/4	3,959.35	1/4	4,261.28	1/4		1/4		1/4		1/4		1/4	
1/2	3,055.01	1/2	3,358.58	1/2	3,662.13	1/2	3,965.68	1/2	4,267.51	1/2		1/2		1/2		1/2		1/2	
3/4	3,061.34	3/4	3,364.91	3/4	3,668.45	3/4	3,972.00	3/4	4,273.74	3/4		3/4		3/4		3/4		3/4	
1	3,067.66	1	3,371.23	1	3,674.78	1	3,978.33	1	4,279.97	1		1		1		1		1	
1/4	3,073.99	1/4	3,377.56	1/4	3,681.10	1/4	3,984.65	1/4	4,285.60	1/4		1/4		1/4		1/4		1/4	
1/2	3,080.31	1/2	3,383.88	1/2	3,687.43	1/2	3,990.97	1/2	4,291.23	1/2		1/2		1/2		1/2		1/2	
3/4	3,086.64	3/4	3,390.20	3/4	3,693.75	3/4	3,997.30	3/4	4,296.86	3/4		3/4		3/4		3/4		3/4	
2	3,092.96	2	3,396.53	2	3,700.07	2	4,003.62	2	4,302.48	2		2		2		2		2	
1/4	3,099.28	1/4	3,402.85	1/4	3,706.40	1/4	4,009.95	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,105.61	1/2	3,409.17	1/2	3,712.72	1/2	4,016.27	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,111.93	3/4	3,415.50	3/4	3,719.05	3/4	4,022.59	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,118.26	3	3,421.82	3	3,725.37	3	4,028.92	3		3		3		3		3		3	
1/4	3,124.58	1/4	3,428.15	1/4	3,731.69	1/4	4,035.24	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,130.91	1/2	3,434.47	1/2	3,738.02	1/2	4,041.56	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,137.23	3/4	3,440.79	3/4	3,744.34	3/4	4,047.89	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,143.56	4	3,447.12	4	3,750.67	4	4,054.21	4		4		4		4		4		4	
1/4	3,149.88	1/4	3,453.44	1/4	3,756.99	1/4	4,060.54	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,156.21	1/2	3,459.77	1/2	3,763.31	1/2	4,066.86	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,162.53	3/4	3,466.09	3/4	3,769.64	3/4	4,073.18	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,168.85	5	3,472.41	5	3,775.96	5	4,079.51	5		5		5		5		5		5	
1/4	3,175.18	1/4	3,478.74	1/4	3,782.28	1/4	4,085.83	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,181.50	1/2	3,485.06	1/2	3,788.61	1/2	4,092.16	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,187.83	3/4	3,491.39	3/4	3,794.93	3/4	4,098.48	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,194.15	6	3,497.71	6	3,801.26	6	4,104.80	6		6		6		6		6		6	
1/4	3,200.48	1/4	3,504.03	1/4	3,807.58	1/4	4,111.07	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,206.80	1/2	3,510.36	1/2	3,813.90	1/2	4,117.33	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,213.13	3/4	3,516.68	3/4	3,820.23	3/4	4,123.59	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,219.45	7	3,523.00	7	3,826.55	7	4,129.85	7		7		7		7		7		7	
1/4	3,225.77	1/4	3,529.33	1/4	3,832.88	1/4	4,136.11	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,232.10	1/2	3,535.65	1/2	3,839.20	1/2	4,142.37	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,238.42	3/4	3,541.98	3/4	3,845.52	3/4	4,148.63	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,244.75	8	3,548.30	8	3,851.85	8	4,154.90	8		8		8		8		8		8	
1/4	3,251.07	1/4	3,554.62	1/4	3,858.17	1/4	4,161.16	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,257.40	1/2	3,560.95	1/2	3,864.50	1/2	4,167.42	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,263.72	3/4	3,567.27	3/4	3,870.82	3/4	4,173.68	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,270.05	9	3,573.60	9	3,877.14	9	4,179.94	9		9		9		9		9		9	
1/4	3,276.37	1/4	3,579.92	1/4	3,883.47	1/4	4,186.20	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,282.70	1/2	3,586.24	1/2	3,889.79	1/2	4,192.47	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,289.02	3/4	3,592.57	3/4	3,896.11	3/4	4,198.73	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,295.34	10	3,598.89	10	3,902.44	10	4,204.99	10		10		10		10		10		10	
1/4	3,301.67	1/4	3,605.22	1/4	3,908.76	1/4	4,211.25	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,307.99	1/2	3,611.54	1/2	3,915.09	1/2	4,217.51	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,314.32	3/4	3,617.86	3/4	3,921.41	3/4	4,223.78	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,320.64	11	3,624.19	11	3,927.73	11	4,230.04	11		11		11		11		11		11	
1/4	3,326.96	1/4	3,630.51	1/4	3,934.06	1/4	4,236.29	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,333.29	1/2	3,636.83	1/2	3,940.38	1/2	4,242.54	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,339.61	3/4	3,643.16	3/4	3,946.71	3/4	4,248.80	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/06/2015 CL
CALCULATED: 04/07/2015 CL
PRINTED: 04/07/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2015

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



BARGE "MM 308"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GUAGE HEIGHT 15'-01 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	22.82	0	312.05	0	615.70	0	909.15	0	1,209.46	0	1,511.53	0	1,815.19	0	2,118.85	0	2,422.50	0	2,726.16
1/4	27.08	1/4	318.38	1/4	622.03	1/4	915.19	1/4	1,215.78	1/4	1,517.86	1/4	1,821.51	1/4	2,125.17	1/4	2,428.83	1/4	2,732.49
1/2	31.33	1/2	324.70	1/2	628.35	1/2	921.24	1/2	1,222.11	1/2	1,524.18	1/2	1,827.84	1/2	2,131.50	1/2	2,435.16	1/2	2,738.81
3/4	35.59	3/4	331.03	3/4	634.68	3/4	927.29	3/4	1,228.44	3/4	1,530.51	3/4	1,834.17	3/4	2,137.82	3/4	2,441.48	3/4	2,745.14
1	39.85	1	337.36	1	641.00	1	933.34	1	1,234.76	1	1,536.84	1	1,840.49	1	2,144.15	1	2,447.81	1	2,751.47
1/4	45.37	1/4	343.68	1/4	647.33	1/4	939.38	1/4	1,241.09	1/4	1,543.16	1/4	1,846.82	1/4	2,150.48	1/4	2,454.13	1/4	2,757.79
1/2	50.89	1/2	350.01	1/2	653.66	1/2	945.43	1/2	1,247.42	1/2	1,549.49	1/2	1,853.15	1/2	2,156.80	1/2	2,460.46	1/2	2,764.12
3/4	56.41	3/4	356.33	3/4	659.98	3/4	951.48	3/4	1,253.74	3/4	1,555.81	3/4	1,859.47	3/4	2,163.13	3/4	2,466.79	3/4	2,770.44
2	61.93	2	362.66	2	666.31	2	957.53	2	1,260.07	2	1,562.14	2	1,865.80	2	2,169.46	2	2,473.11	2	2,776.77
1/4	68.05	1/4	368.99	1/4	672.63	1/4	963.57	1/4	1,266.39	1/4	1,568.47	1/4	1,872.12	1/4	2,175.78	1/4	2,479.44	1/4	2,783.10
1/2	74.17	1/2	375.31	1/2	678.96	1/2	969.62	1/2	1,272.72	1/2	1,574.79	1/2	1,878.45	1/2	2,182.11	1/2	2,485.77	1/2	2,789.42
3/4	80.30	3/4	381.64	3/4	685.29	3/4	975.67	3/4	1,279.05	3/4	1,581.12	3/4	1,884.78	3/4	2,188.43	3/4	2,492.09	3/4	2,795.75
3	86.42	3	387.96	3	691.61	3	981.72	3	1,285.37	3	1,587.44	3	1,891.10	3	2,194.76	3	2,498.42	3	2,802.08
1/4	92.56	1/4	394.29	1/4	697.65	1/4	988.04	1/4	1,291.70	1/4	1,593.77	1/4	1,897.43	1/4	2,201.09	1/4	2,504.74	1/4	2,808.40
1/2	98.71	1/2	400.62	1/2	703.70	1/2	994.37	1/2	1,298.03	1/2	1,600.10	1/2	1,903.75	1/2	2,207.41	1/2	2,511.07	1/2	2,814.73
3/4	104.85	3/4	406.94	3/4	709.74	3/4	1,000.69	3/4	1,304.35	3/4	1,606.42	3/4	1,910.08	3/4	2,213.74	3/4	2,517.40	3/4	2,821.05
4	111.00	4	413.27	4	715.78	4	1,007.02	4	1,310.68	4	1,612.75	4	1,916.41	4	2,220.06	4	2,523.72	4	2,827.38
1/4	117.15	1/4	419.59	1/4	721.82	1/4	1,013.35	1/4	1,317.00	1/4	1,619.08	1/4	1,922.73	1/4	2,226.39	1/4	2,530.05	1/4	2,833.71
1/2	123.30	1/2	425.92	1/2	727.86	1/2	1,019.67	1/2	1,323.33	1/2	1,625.40	1/2	1,929.06	1/2	2,232.72	1/2	2,536.37	1/2	2,840.03
3/4	129.46	3/4	432.25	3/4	733.91	3/4	1,026.00	3/4	1,329.66	3/4	1,631.73	3/4	1,935.39	3/4	2,239.04	3/4	2,542.70	3/4	2,846.36
5	135.61	5	438.57	5	739.95	5	1,032.32	5	1,335.98	5	1,638.05	5	1,941.71	5	2,245.37	5	2,549.03	5	2,852.68
1/4	141.76	1/4	444.90	1/4	745.99	1/4	1,038.65	1/4	1,342.31	1/4	1,644.38	1/4	1,948.04	1/4	2,251.70	1/4	2,555.35	1/4	2,859.01
1/2	147.92	1/2	451.22	1/2	752.03	1/2	1,044.98	1/2	1,348.63	1/2	1,650.71	1/2	1,954.36	1/2	2,258.02	1/2	2,561.68	1/2	2,865.34
3/4	154.07	3/4	457.55	3/4	758.07	3/4	1,051.30	3/4	1,354.96	3/4	1,657.03	3/4	1,960.69	3/4	2,264.35	3/4	2,568.01	3/4	2,871.66
6	160.23	6	463.88	6	764.12	6	1,057.63	6	1,361.29	6	1,663.36	6	1,967.02	6	2,270.67	6	2,574.33	6	2,877.99
1/4	166.55	1/4	470.20	1/4	770.16	1/4	1,063.96	1/4	1,367.61	1/4	1,669.69	1/4	1,973.34	1/4	2,277.00	1/4	2,580.66	1/4	2,884.32
1/2	172.88	1/2	476.53	1/2	776.20	1/2	1,070.28	1/2	1,373.94	1/2	1,676.01	1/2	1,979.67	1/2	2,283.33	1/2	2,586.98	1/2	2,890.64
3/4	179.21	3/4	482.85	3/4	782.24	3/4	1,076.61	3/4	1,380.27	3/4	1,682.34	3/4	1,986.00	3/4	2,289.65	3/4	2,593.31	3/4	2,896.97
7	185.53	7	489.18	7	788.28	7	1,082.93	7	1,386.59	7	1,688.66	7	1,992.32	7	2,295.98	7	2,599.64	7	2,903.29
1/4	191.86	1/4	495.51	1/4	794.33	1/4	1,089.26	1/4	1,392.82	1/4	1,694.99	1/4	1,998.65	1/4	2,302.31	1/4	2,605.96	1/4	2,909.62
1/2	198.18	1/2	501.83	1/2	800.37	1/2	1,095.59	1/2	1,399.05	1/2	1,701.32	1/2	2,004.97	1/2	2,308.63	1/2	2,612.29	1/2	2,915.95
3/4	204.51	3/4	508.16	3/4	806.41	3/4	1,101.91	3/4	1,405.27	3/4	1,707.64	3/4	2,011.30	3/4	2,314.96	3/4	2,618.62	3/4	2,922.27
8	210.84	8	514.48	8	812.45	8	1,108.24	8	1,411.50	8	1,713.97	8	2,017.63	8	2,321.28	8	2,624.94	8	2,928.60
1/4	217.16	1/4	520.81	1/4	818.49	1/4	1,114.57	1/4	1,417.73	1/4	1,720.29	1/4	2,023.95	1/4	2,327.61	1/4	2,631.27	1/4	2,934.93
1/2	223.49	1/2	527.14	1/2	824.54	1/2	1,120.89	1/2	1,423.95	1/2	1,726.62	1/2	2,030.28	1/2	2,333.94	1/2	2,637.59	1/2	2,941.25
3/4	229.81	3/4	533.46	3/4	830.58	3/4	1,127.22	3/4	1,430.18	3/4	1,732.95	3/4	2,036.60	3/4	2,340.26	3/4	2,643.92	3/4	2,947.58
9	236.14	9	539.79	9	836.62	9	1,133.54	9	1,436.41	9	1,739.27	9	2,042.93	9	2,346.59	9	2,650.25	9	2,953.90
1/4	242.47	1/4	546.11	1/4	842.66	1/4	1,139.87	1/4	1,442.64	1/4	1,745.60	1/4	2,049.26	1/4	2,352.91	1/4	2,656.57	1/4	2,960.23
1/2	248.79	1/2	552.44	1/2	848.70	1/2	1,146.20	1/2	1,448.86	1/2	1,751.93	1/2	2,055.58	1/2	2,359.24	1/2	2,662.90	1/2	2,966.56
3/4	255.12	3/4	558.77	3/4	854.75	3/4	1,152.52	3/4	1,455.09	3/4	1,758.25	3/4	2,061.91	3/4	2,365.57	3/4	2,669.22	3/4	2,972.88
10	261.44	10	565.09	10	860.79	10	1,158.85	10	1,461.32	10	1,764.58	10	2,068.24	10	2,371.89	10	2,675.55	10	2,979.21
1/4	267.77	1/4	571.42	1/4	866.83	1/4	1,165.17	1/4	1,467.54	1/4	1,770.90	1/4	2,074.56	1/4	2,378.22	1/4	2,681.88	1/4	2,985.53
1/2	274.10	1/2	577.74	1/2	872.87	1/2	1,171.50	1/2	1,473.77	1/2	1,777.23	1/2	2,080.89	1/2	2,384.55	1/2	2,688.20	1/2	2,991.86
3/4	280.42	3/4	584.07	3/4	878.91	3/4	1,177.83	3/4	1,480.00	3/4	1,783.56	3/4	2,087.21	3/4	2,390.87	3/4	2,694.53	3/4	2,998.19
11	286.75	11	590.40	11	884.96	11	1,184.15	11	1,486.23	11	1,789.88	11	2,093.54	11	2,397.20	11	2,700.86	11	3,004.51
1/4	293.07	1/4	596.72	1/4	891.00	1/4	1,190.48	1/4	1,492.55	1/4	1,796.21	1/4	2,099.87	1/4	2,403.52	1/4	2,707.18	1/4	3,010.84
1/2	299.40	1/2	603.05	1/2	897.05	1/2	1,196.81	1/2	1,498.88	1/2	1,802.54	1/2	2,106.19	1/2	2,409.85	1/2	2,713.51	1/2	3,017.17
3/4	305.73	3/4	609.37	3/4	903.10	3/4	1,203.13	3/4	1,505.20	3/4	1,808.86	3/4	2,112.52	3/4	2,416.18	3/4	2,719.83	3/4	3,023.49

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 308"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-01 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	3,029.82	0	3,333.47	0	3,637.12	0	3,940.77	0	4,242.87	0		0		0		0		0	
1/4	3,036.14	1/4	3,339.80	1/4	3,643.45	1/4	3,947.10	1/4	4,249.10	1/4		1/4		1/4		1/4		1/4	
1/2	3,042.47	1/2	3,346.13	1/2	3,649.77	1/2	3,953.42	1/2	4,255.34	1/2		1/2		1/2		1/2		1/2	
3/4	3,048.80	3/4	3,352.45	3/4	3,656.10	3/4	3,959.75	3/4	4,261.57	3/4		3/4		3/4		3/4		3/4	
1	3,055.12	1	3,358.78	1	3,662.43	1	3,966.07	1	4,267.80	1		1		1		1		1	
1/4	3,061.45	1/4	3,365.10	1/4	3,668.75	1/4	3,972.40	1/4	4,273.43	1/4		1/4		1/4		1/4		1/4	
1/2	3,067.78	1/2	3,371.43	1/2	3,675.08	1/2	3,978.73	1/2	4,279.06	1/2		1/2		1/2		1/2		1/2	
3/4	3,074.10	3/4	3,377.76	3/4	3,681.40	3/4	3,985.05	3/4	4,284.69	3/4		3/4		3/4		3/4		3/4	
2	3,080.43	2	3,384.08	2	3,687.73	2	3,991.38	2	4,290.32	2		2		2		2		2	
1/4	3,086.75	1/4	3,390.41	1/4	3,694.06	1/4	3,997.70	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,093.08	1/2	3,396.73	1/2	3,700.38	1/2	4,004.03	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,099.41	3/4	3,403.06	3/4	3,706.71	3/4	4,010.36	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,105.73	3	3,409.39	3	3,713.03	3	4,016.68	3		3		3		3		3		3	
1/4	3,112.06	1/4	3,415.71	1/4	3,719.36	1/4	4,023.01	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,118.39	1/2	3,422.04	1/2	3,725.69	1/2	4,029.33	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,124.71	3/4	3,428.36	3/4	3,732.01	3/4	4,035.66	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,131.04	4	3,434.69	4	3,738.34	4	4,041.99	4		4		4		4		4		4	
1/4	3,137.36	1/4	3,441.02	1/4	3,744.66	1/4	4,048.31	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,143.69	1/2	3,447.34	1/2	3,750.99	1/2	4,054.64	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,150.02	3/4	3,453.67	3/4	3,757.32	3/4	4,060.96	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,156.34	5	3,459.99	5	3,763.64	5	4,067.29	5		5		5		5		5		5	
1/4	3,162.67	1/4	3,466.32	1/4	3,769.97	1/4	4,073.62	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,168.99	1/2	3,472.65	1/2	3,776.29	1/2	4,079.94	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,175.32	3/4	3,478.97	3/4	3,782.62	3/4	4,086.27	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,181.65	6	3,485.30	6	3,788.95	6	4,092.59	6		6		6		6		6		6	
1/4	3,187.97	1/4	3,491.62	1/4	3,795.27	1/4	4,098.86	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,194.30	1/2	3,497.95	1/2	3,801.60	1/2	4,105.12	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,200.63	3/4	3,504.28	3/4	3,807.92	3/4	4,111.38	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,206.95	7	3,510.60	7	3,814.25	7	4,117.65	7		7		7		7		7		7	
1/4	3,213.28	1/4	3,516.93	1/4	3,820.58	1/4	4,123.91	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,219.60	1/2	3,523.25	1/2	3,826.90	1/2	4,130.17	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,225.93	3/4	3,529.58	3/4	3,833.23	3/4	4,136.43	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,232.26	8	3,535.91	8	3,839.55	8	4,142.70	8		8		8		8		8		8	
1/4	3,238.58	1/4	3,542.23	1/4	3,845.88	1/4	4,148.96	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,244.91	1/2	3,548.56	1/2	3,852.21	1/2	4,155.22	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,251.24	3/4	3,554.88	3/4	3,858.53	3/4	4,161.49	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,257.56	9	3,561.21	9	3,864.86	9	4,167.75	9		9		9		9		9		9	
1/4	3,263.89	1/4	3,567.54	1/4	3,871.18	1/4	4,174.01	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,270.21	1/2	3,573.86	1/2	3,877.51	1/2	4,180.27	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,276.54	3/4	3,580.19	3/4	3,883.84	3/4	4,186.54	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,282.87	10	3,586.51	10	3,890.16	10	4,192.80	10		10		10		10		10		10	
1/4	3,289.19	1/4	3,592.84	1/4	3,896.49	1/4	4,199.06	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,295.52	1/2	3,599.17	1/2	3,902.81	1/2	4,205.33	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,301.84	3/4	3,605.49	3/4	3,909.14	3/4	4,211.59	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,308.17	11	3,611.82	11	3,915.47	11	4,217.85	11		11		11		11		11		11	
1/4	3,314.50	1/4	3,618.14	1/4	3,921.79	1/4	4,224.11	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,320.82	1/2	3,624.47	1/2	3,928.12	1/2	4,230.36	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,327.15	3/4	3,630.80	3/4	3,934.44	3/4	4,236.62	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/06/2015 CL
CALCULATED: 04/07/2015 CL
PRINTED: 04/07/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2015

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



BARGE "MM 308"

2 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	22.79	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 308"

2 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	3,038.87	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: 04/06/2015 CL
CALCULATED: 04/07/2015 CL
PRINTED: 04/07/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2015

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



BARGE "MM 308"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-01 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	22.81	0	311.87	0	615.35	0	908.63	0	1,208.77	0	1,510.66	0	1,814.15	0	2,117.63	0	2,421.12	0	2,724.60		
1/4	27.06	1/4	318.20	1/4	621.67	1/4	914.67	1/4	1,215.09	1/4	1,516.99	1/4	1,820.47	1/4	2,123.96	1/4	2,427.44	1/4	2,730.93		
1/2	31.32	1/2	324.52	1/2	627.99	1/2	920.71	1/2	1,221.41	1/2	1,523.31	1/2	1,826.79	1/2	2,130.28	1/2	2,433.76	1/2	2,737.25		
3/4	35.57	3/4	330.84	3/4	634.32	3/4	926.76	3/4	1,227.73	3/4	1,529.63	3/4	1,833.12	3/4	2,136.60	3/4	2,440.09	3/4	2,743.57		
1	39.82	1	337.16	1	640.64	1	932.80	1	1,234.06	1	1,535.95	1	1,839.44	1	2,142.92	1	2,446.41	1	2,749.89		
1/4	45.34	1/4	343.49	1/4	646.96	1/4	938.85	1/4	1,240.38	1/4	1,542.28	1/4	1,845.76	1/4	2,149.25	1/4	2,452.73	1/4	2,756.22		
1/2	50.86	1/2	349.81	1/2	653.28	1/2	944.89	1/2	1,246.70	1/2	1,548.60	1/2	1,852.08	1/2	2,155.57	1/2	2,459.05	1/2	2,762.54		
3/4	56.37	3/4	356.13	3/4	659.61	3/4	950.93	3/4	1,253.02	3/4	1,554.92	3/4	1,858.41	3/4	2,161.89	3/4	2,465.38	3/4	2,768.86		
2	61.89	2	362.45	2	665.93	2	956.98	2	1,259.35	2	1,561.24	2	1,864.73	2	2,168.21	2	2,471.70	2	2,775.18		
1/4	68.01	1/4	368.78	1/4	672.25	1/4	963.02	1/4	1,265.67	1/4	1,567.57	1/4	1,871.05	1/4	2,174.54	1/4	2,478.02	1/4	2,781.51		
1/2	74.13	1/2	375.10	1/2	678.57	1/2	969.07	1/2	1,271.99	1/2	1,573.89	1/2	1,877.37	1/2	2,180.86	1/2	2,484.34	1/2	2,787.83		
3/4	80.25	3/4	381.42	3/4	684.90	3/4	975.11	3/4	1,278.32	3/4	1,580.21	3/4	1,883.70	3/4	2,187.18	3/4	2,490.67	3/4	2,794.15		
3	86.37	3	387.74	3	691.22	3	981.15	3	1,284.64	3	1,586.54	3	1,890.02	3	2,193.50	3	2,496.99	3	2,800.47		
1/4	92.51	1/4	394.07	1/4	697.26	1/4	987.48	1/4	1,290.96	1/4	1,592.86	1/4	1,896.34	1/4	2,199.83	1/4	2,503.31	1/4	2,806.80		
1/2	98.65	1/2	400.39	1/2	703.30	1/2	993.80	1/2	1,297.28	1/2	1,599.18	1/2	1,902.67	1/2	2,206.15	1/2	2,509.63	1/2	2,813.12		
3/4	104.79	3/4	406.71	3/4	709.33	3/4	1,000.12	3/4	1,303.61	3/4	1,605.50	3/4	1,908.99	3/4	2,212.47	3/4	2,515.96	3/4	2,819.44		
4	110.93	4	413.03	4	715.37	4	1,006.44	4	1,309.93	4	1,611.83	4	1,915.31	4	2,218.80	4	2,522.28	4	2,825.76		
1/4	117.08	1/4	419.36	1/4	721.41	1/4	1,012.77	1/4	1,316.25	1/4	1,618.15	1/4	1,921.63	1/4	2,225.12	1/4	2,528.60	1/4	2,832.09		
1/2	123.23	1/2	425.68	1/2	727.45	1/2	1,019.09	1/2	1,322.57	1/2	1,624.47	1/2	1,927.96	1/2	2,231.44	1/2	2,534.93	1/2	2,838.41		
3/4	129.38	3/4	432.00	3/4	733.49	3/4	1,025.41	3/4	1,328.90	3/4	1,630.79	3/4	1,934.28	3/4	2,237.76	3/4	2,541.25	3/4	2,844.73		
5	135.53	5	438.32	5	739.53	5	1,031.73	5	1,335.22	5	1,637.12	5	1,940.60	5	2,244.09	5	2,547.57	5	2,851.06		
1/4	141.68	1/4	444.64	1/4	745.56	1/4	1,038.06	1/4	1,341.54	1/4	1,643.44	1/4	1,946.92	1/4	2,250.41	1/4	2,553.89	1/4	2,857.38		
1/2	147.83	1/2	450.97	1/2	751.60	1/2	1,044.38	1/2	1,347.86	1/2	1,649.76	1/2	1,953.25	1/2	2,256.73	1/2	2,560.22	1/2	2,863.70		
3/4	153.99	3/4	457.29	3/4	757.64	3/4	1,050.70	3/4	1,354.19	3/4	1,656.08	3/4	1,959.57	3/4	2,263.05	3/4	2,566.54	3/4	2,870.02		
6	160.14	6	463.61	6	763.68	6	1,057.02	6	1,360.51	6	1,662.41	6	1,965.89	6	2,269.38	6	2,572.86	6	2,876.35		
1/4	166.46	1/4	469.93	1/4	769.72	1/4	1,063.35	1/4	1,366.83	1/4	1,668.73	1/4	1,972.21	1/4	2,275.70	1/4	2,579.18	1/4	2,882.67		
1/2	172.78	1/2	476.26	1/2	775.76	1/2	1,069.67	1/2	1,373.15	1/2	1,675.05	1/2	1,978.54	1/2	2,282.02	1/2	2,585.51	1/2	2,888.99		
3/4	179.10	3/4	482.58	3/4	781.80	3/4	1,075.99	3/4	1,379.48	3/4	1,681.37	3/4	1,984.86	3/4	2,288.34	3/4	2,591.83	3/4	2,895.31		
7	185.43	7	488.90	7	787.83	7	1,082.31	7	1,385.80	7	1,687.70	7	1,991.18	7	2,294.67	7	2,598.15	7	2,901.64		
1/4	191.75	1/4	495.22	1/4	793.87	1/4	1,088.64	1/4	1,392.02	1/4	1,694.02	1/4	1,997.50	1/4	2,300.99	1/4	2,604.47	1/4	2,907.96		
1/2	198.07	1/2	501.55	1/2	799.91	1/2	1,094.96	1/2	1,398.25	1/2	1,700.34	1/2	2,003.83	1/2	2,307.31	1/2	2,610.80	1/2	2,914.28		
3/4	204.39	3/4	507.87	3/4	805.95	3/4	1,101.28	3/4	1,404.47	3/4	1,706.66	3/4	2,010.15	3/4	2,313.63	3/4	2,617.12	3/4	2,920.60		
8	210.72	8	514.19	8	811.99	8	1,107.60	8	1,410.69	8	1,712.99	8	2,016.47	8	2,319.96	8	2,623.44	8	2,926.93		
1/4	217.04	1/4	520.51	1/4	818.03	1/4	1,113.93	1/4	1,416.92	1/4	1,719.31	1/4	2,022.79	1/4	2,326.28	1/4	2,629.76	1/4	2,933.25		
1/2	223.36	1/2	526.84	1/2	824.07	1/2	1,120.25	1/2	1,423.14	1/2	1,725.63	1/2	2,029.12	1/2	2,332.60	1/2	2,636.09	1/2	2,939.57		
3/4	229.68	3/4	533.16	3/4	830.10	3/4	1,126.57	3/4	1,429.36	3/4	1,731.96	3/4	2,035.44	3/4	2,338.92	3/4	2,642.41	3/4	2,945.89		
9	236.01	9	539.48	9	836.14	9	1,132.90	9	1,435.59	9	1,738.28	9	2,041.76	9	2,345.25	9	2,648.73	9	2,952.22		
1/4	242.33	1/4	545.80	1/4	842.18	1/4	1,139.22	1/4	1,441.81	1/4	1,744.60	1/4	2,048.09	1/4	2,351.57	1/4	2,655.05	1/4	2,958.54		
1/2	248.65	1/2	552.13	1/2	848.22	1/2	1,145.54	1/2	1,448.03	1/2	1,750.92	1/2	2,054.41	1/2	2,357.89	1/2	2,661.38	1/2	2,964.86		
3/4	254.97	3/4	558.45	3/4	854.26	3/4	1,151.86	3/4	1,454.26	3/4	1,757.25	3/4	2,060.73	3/4	2,364.22	3/4	2,667.70	3/4	2,971.18		
10	261.30	10	564.77	10	860.30	10	1,158.19	10	1,460.48	10	1,763.57	10	2,067.05	10	2,370.54	10	2,674.02	10	2,977.51		
1/4	267.62	1/4	571.09	1/4	866.33	1/4	1,164.51	1/4	1,466.70	1/4	1,769.89	1/4	2,073.38	1/4	2,376.86	1/4	2,680.34	1/4	2,983.83		
1/2	273.94	1/2	577.42	1/2	872.37	1/2	1,170.83	1/2	1,472.93	1/2	1,776.21	1/2	2,079.70	1/2	2,383.18	1/2	2,686.67	1/2	2,990.15		
3/4	280.26	3/4	583.74	3/4	878.41	3/4	1,177.15	3/4	1,479.15	3/4	1,782.54	3/4	2,086.02	3/4	2,389.51	3/4	2,692.99	3/4	2,996.47		
11	286.58	11	590.06	11	884.45	11	1,183.48	11	1,485.37	11	1,788.86	11	2,092.34	11	2,395.83	11	2,699.31	11	3,002.80		
1/4	292.91	1/4	596.38	1/4	890.49	1/4	1,189.80	1/4	1,491.70	1/4	1,795.18	1/4	2,098.67	1/4	2,402.15	1/4	2,705.64	1/4	3,009.12		
1/2	299.23	1/2	602.70	1/2	896.54	1/2	1,196.12	1/2	1,498.02	1/2	1,801.50	1/2	2,104.99	1/2	2,408.47	1/2	2,711.96	1/2	3,015.44		
3/4	305.55	3/4	609.03	3/4	902.58	3/4	1,202.44	3/4	1,504.34	3/4	1,807.83	3/4	2,111.31	3/4	2,414.80	3/4	2,718.28	3/4	3,021.77		

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
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BARGE "MM 308"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-01 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,028.09	0	3,331.57	0	3,635.04	0	3,938.51	0	4,240.44	0		0		0		0		0	
1/4	3,034.41	1/4	3,337.89	1/4	3,641.36	1/4	3,944.83	1/4	4,246.67	1/4		1/4		1/4		1/4		1/4	
1/2	3,040.73	1/2	3,344.21	1/2	3,647.69	1/2	3,951.16	1/2	4,252.90	1/2		1/2		1/2		1/2		1/2	
3/4	3,047.06	3/4	3,350.54	3/4	3,654.01	3/4	3,957.48	3/4	4,259.13	3/4		3/4		3/4		3/4		3/4	
1	3,053.38	1	3,356.86	1	3,660.33	1	3,963.80	1	4,265.36	1		1		1		1		1	
1/4	3,059.70	1/4	3,363.18	1/4	3,666.65	1/4	3,970.12	1/4	4,270.98	1/4		1/4		1/4		1/4		1/4	
1/2	3,066.02	1/2	3,369.50	1/2	3,672.97	1/2	3,976.44	1/2	4,276.61	1/2		1/2		1/2		1/2		1/2	
3/4	3,072.35	3/4	3,375.83	3/4	3,679.30	3/4	3,982.77	3/4	4,282.23	3/4		3/4		3/4		3/4		3/4	
2	3,078.67	2	3,382.15	2	3,685.62	2	3,989.09	2	4,287.86	2		2		2		2		2	
1/4	3,084.99	1/4	3,388.47	1/4	3,691.94	1/4	3,995.41	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,091.31	1/2	3,394.79	1/2	3,698.26	1/2	4,001.73	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,097.64	3/4	3,401.12	3/4	3,704.59	3/4	4,008.06	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,103.96	3	3,407.44	3	3,710.91	3	4,014.38	3		3		3		3		3		3	
1/4	3,110.28	1/4	3,413.76	1/4	3,717.23	1/4	4,020.70	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,116.60	1/2	3,420.08	1/2	3,723.55	1/2	4,027.02	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,122.93	3/4	3,426.40	3/4	3,729.88	3/4	4,033.35	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,129.25	4	3,432.73	4	3,736.20	4	4,039.67	4		4		4		4		4		4	
1/4	3,135.57	1/4	3,439.05	1/4	3,742.52	1/4	4,045.99	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,141.89	1/2	3,445.37	1/2	3,748.84	1/2	4,052.31	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,148.22	3/4	3,451.69	3/4	3,755.16	3/4	4,058.63	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,154.54	5	3,458.02	5	3,761.49	5	4,064.96	5		5		5		5		5		5	
1/4	3,160.86	1/4	3,464.34	1/4	3,767.81	1/4	4,071.28	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,167.19	1/2	3,470.66	1/2	3,774.13	1/2	4,077.60	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,173.51	3/4	3,476.98	3/4	3,780.45	3/4	4,083.92	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,179.83	6	3,483.31	6	3,786.78	6	4,090.25	6		6		6		6		6		6	
1/4	3,186.15	1/4	3,489.63	1/4	3,793.10	1/4	4,096.57	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,192.48	1/2	3,495.95	1/2	3,799.42	1/2	4,102.77	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,198.80	3/4	3,502.27	3/4	3,805.74	3/4	4,109.02	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,205.12	7	3,508.59	7	3,812.07	7	4,115.28	7		7		7		7		7		7	
1/4	3,211.44	1/4	3,514.92	1/4	3,818.39	1/4	4,121.54	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,217.77	1/2	3,521.24	1/2	3,824.71	1/2	4,127.80	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,224.09	3/4	3,527.56	3/4	3,831.03	3/4	4,134.06	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,230.41	8	3,533.88	8	3,837.35	8	4,140.32	8		8		8		8		8		8	
1/4	3,236.73	1/4	3,540.21	1/4	3,843.68	1/4	4,146.58	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,243.06	1/2	3,546.53	1/2	3,850.00	1/2	4,152.84	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,249.38	3/4	3,552.85	3/4	3,856.32	3/4	4,159.10	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,255.70	9	3,559.17	9	3,862.64	9	4,165.36	9		9		9		9		9		9	
1/4	3,262.02	1/4	3,565.50	1/4	3,868.97	1/4	4,171.62	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,268.35	1/2	3,571.82	1/2	3,875.29	1/2	4,177.88	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,274.67	3/4	3,578.14	3/4	3,881.61	3/4	4,184.14	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,280.99	10	3,584.46	10	3,887.93	10	4,190.40	10		10		10		10		10		10	
1/4	3,287.31	1/4	3,590.78	1/4	3,894.26	1/4	4,196.66	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,293.64	1/2	3,597.11	1/2	3,900.58	1/2	4,202.92	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,299.96	3/4	3,603.43	3/4	3,906.90	3/4	4,209.18	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,306.28	11	3,609.75	11	3,913.22	11	4,215.44	11		11		11		11		11		11	
1/4	3,312.60	1/4	3,616.07	1/4	3,919.54	1/4	4,221.69	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,318.93	1/2	3,622.40	1/2	3,925.87	1/2	4,227.94	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,325.25	3/4	3,628.72	3/4	3,932.19	3/4	4,234.19	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/06/2015 CL
CALCULATED: 04/07/2015 CL
PRINTED: 04/07/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2015

PRECISION MEASUREMENT
& ANALYSIS, INC.
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<http://www.pmacorp.net>



BARGE "MM 308"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-01 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	17.15	0	201.41	0	443.13	0	690.79	0	938.62	0	1,186.06	0	1,433.89	0	1,681.73	0	1,929.56	0	2,177.39
1/4	19.04	1/4	206.09	1/4	448.29	1/4	695.95	1/4	943.78	1/4	1,191.22	1/4	1,439.06	1/4	1,686.89	1/4	1,934.72	1/4	2,182.56
1/2	20.93	1/2	210.77	1/2	453.45	1/2	701.11	1/2	948.95	1/2	1,196.39	1/2	1,444.22	1/2	1,692.05	1/2	1,939.89	1/2	2,187.72
3/4	22.82	3/4	215.45	3/4	458.62	3/4	706.28	3/4	954.11	3/4	1,201.55	3/4	1,449.38	3/4	1,697.22	3/4	1,945.05	3/4	2,192.88
1	24.71	1	220.13	1	463.78	1	711.44	1	959.27	1	1,206.71	1	1,454.55	1	1,702.38	1	1,950.21	1	2,198.05
1/4	27.72	1/4	224.91	1/4	468.94	1/4	716.60	1/4	964.44	1/4	1,211.88	1/4	1,459.71	1/4	1,707.54	1/4	1,955.38	1/4	2,203.21
1/2	30.74	1/2	229.68	1/2	474.11	1/2	721.77	1/2	969.60	1/2	1,217.04	1/2	1,464.87	1/2	1,712.71	1/2	1,960.54	1/2	2,208.37
3/4	33.75	3/4	234.45	3/4	479.27	3/4	726.93	3/4	974.76	3/4	1,222.20	3/4	1,470.04	3/4	1,717.87	3/4	1,965.70	3/4	2,213.54
2	36.76	2	239.23	2	484.43	2	732.09	2	979.93	2	1,227.37	2	1,475.20	2	1,723.03	2	1,970.87	2	2,218.70
1/4	40.36	1/4	244.09	1/4	489.60	1/4	737.26	1/4	985.09	1/4	1,232.53	1/4	1,480.36	1/4	1,728.20	1/4	1,976.03	1/4	2,223.86
1/2	43.95	1/2	248.95	1/2	494.76	1/2	742.42	1/2	990.25	1/2	1,237.69	1/2	1,485.53	1/2	1,733.36	1/2	1,981.19	1/2	2,229.03
3/4	47.55	3/4	253.82	3/4	499.92	3/4	747.58	3/4	995.42	3/4	1,242.86	3/4	1,490.69	3/4	1,738.52	3/4	1,986.36	3/4	2,234.19
3	51.15	3	258.68	3	505.08	3	752.74	3	1,000.58	3	1,248.02	3	1,495.85	3	1,743.69	3	1,991.52	3	2,239.35
1/4	54.85	1/4	263.64	1/4	510.24	1/4	757.91	1/4	1,005.74	1/4	1,253.18	1/4	1,501.02	1/4	1,748.85	1/4	1,996.68	1/4	2,244.52
1/2	58.56	1/2	268.60	1/2	515.40	1/2	763.07	1/2	1,010.90	1/2	1,258.34	1/2	1,506.18	1/2	1,754.01	1/2	2,001.85	1/2	2,249.68
3/4	62.27	3/4	273.55	3/4	520.56	3/4	768.23	3/4	1,016.07	3/4	1,263.51	3/4	1,511.34	3/4	1,759.18	3/4	2,007.01	3/4	2,254.84
4	65.97	4	278.51	4	525.72	4	773.40	4	1,021.23	4	1,268.67	4	1,516.50	4	1,764.34	4	2,012.17	4	2,260.01
1/4	69.78	1/4	283.56	1/4	530.87	1/4	778.56	1/4	1,026.39	1/4	1,273.83	1/4	1,521.67	1/4	1,769.50	1/4	2,017.34	1/4	2,265.17
1/2	73.58	1/2	288.61	1/2	536.03	1/2	783.72	1/2	1,031.56	1/2	1,279.00	1/2	1,526.83	1/2	1,774.66	1/2	2,022.50	1/2	2,270.33
3/4	77.39	3/4	293.65	3/4	541.19	3/4	788.89	3/4	1,036.72	3/4	1,284.16	3/4	1,531.99	3/4	1,779.83	3/4	2,027.66	3/4	2,275.50
5	81.19	5	298.70	5	546.35	5	794.05	5	1,041.88	5	1,289.32	5	1,537.16	5	1,784.99	5	2,032.82	5	2,280.66
1/4	85.09	1/4	303.83	1/4	551.50	1/4	799.21	1/4	1,047.05	1/4	1,294.49	1/4	1,542.32	1/4	1,790.15	1/4	2,037.99	1/4	2,285.82
1/2	88.99	1/2	308.96	1/2	556.66	1/2	804.38	1/2	1,052.21	1/2	1,299.65	1/2	1,547.48	1/2	1,795.32	1/2	2,043.15	1/2	2,290.98
3/4	92.89	3/4	314.09	3/4	561.82	3/4	809.54	3/4	1,057.37	3/4	1,304.81	3/4	1,552.65	3/4	1,800.48	3/4	2,048.31	3/4	2,296.15
6	96.78	6	319.22	6	566.98	6	814.70	6	1,062.54	6	1,309.98	6	1,557.81	6	1,805.64	6	2,053.48	6	2,301.31
1/4	100.91	1/4	324.38	1/4	572.14	1/4	819.87	1/4	1,067.70	1/4	1,315.14	1/4	1,562.97	1/4	1,810.81	1/4	2,058.64	1/4	2,306.47
1/2	105.04	1/2	329.54	1/2	577.29	1/2	825.03	1/2	1,072.86	1/2	1,320.30	1/2	1,568.14	1/2	1,815.97	1/2	2,063.80	1/2	2,311.64
3/4	109.17	3/4	334.71	3/4	582.45	3/4	830.19	3/4	1,078.03	3/4	1,325.47	3/4	1,573.30	3/4	1,821.13	3/4	2,068.97	3/4	2,316.80
7	113.30	7	339.87	7	587.61	7	835.36	7	1,083.19	7	1,330.63	7	1,578.46	7	1,826.30	7	2,074.13	7	2,321.96
1/4	117.53	1/4	345.03	1/4	592.77	1/4	840.52	1/4	1,088.33	1/4	1,335.79	1/4	1,583.63	1/4	1,831.46	1/4	2,079.29	1/4	2,327.13
1/2	121.75	1/2	350.19	1/2	597.92	1/2	845.68	1/2	1,093.47	1/2	1,340.96	1/2	1,588.79	1/2	1,836.62	1/2	2,084.46	1/2	2,332.29
3/4	125.97	3/4	355.36	3/4	603.08	3/4	850.85	3/4	1,098.61	3/4	1,346.12	3/4	1,593.95	3/4	1,841.79	3/4	2,089.62	3/4	2,337.45
8	130.19	8	360.52	8	608.24	8	856.01	8	1,103.74	8	1,351.28	8	1,599.12	8	1,846.95	8	2,094.78	8	2,342.62
1/4	134.50	1/4	365.68	1/4	613.40	1/4	861.17	1/4	1,108.88	1/4	1,356.45	1/4	1,604.28	1/4	1,852.11	1/4	2,099.95	1/4	2,347.78
1/2	138.82	1/2	370.85	1/2	618.56	1/2	866.34	1/2	1,114.02	1/2	1,361.61	1/2	1,609.44	1/2	1,857.28	1/2	2,105.11	1/2	2,352.94
3/4	143.13	3/4	376.01	3/4	623.71	3/4	871.50	3/4	1,119.16	3/4	1,366.77	3/4	1,614.61	3/4	1,862.44	3/4	2,110.27	3/4	2,358.11
9	147.44	9	381.17	9	628.87	9	876.66	9	1,124.30	9	1,371.94	9	1,619.77	9	1,867.60	9	2,115.44	9	2,363.27
1/4	151.85	1/4	386.34	1/4	634.03	1/4	881.82	1/4	1,129.44	1/4	1,377.10	1/4	1,624.93	1/4	1,872.77	1/4	2,120.60	1/4	2,368.43
1/2	156.26	1/2	391.50	1/2	639.19	1/2	886.99	1/2	1,134.58	1/2	1,382.26	1/2	1,630.10	1/2	1,877.93	1/2	2,125.76	1/2	2,373.60
3/4	160.66	3/4	396.66	3/4	644.34	3/4	892.15	3/4	1,139.71	3/4	1,387.42	3/4	1,635.26	3/4	1,883.09	3/4	2,130.93	3/4	2,378.76
10	165.07	10	401.82	10	649.50	10	897.31	10	1,144.85	10	1,392.59	10	1,640.42	10	1,888.26	10	2,136.09	10	2,383.92
1/4	169.56	1/4	406.99	1/4	654.66	1/4	902.48	1/4	1,149.99	1/4	1,397.75	1/4	1,645.58	1/4	1,893.42	1/4	2,141.25	1/4	2,389.09
1/2	174.06	1/2	412.15	1/2	659.82	1/2	907.64	1/2	1,155.13	1/2	1,402.91	1/2	1,650.75	1/2	1,898.58	1/2	2,146.42	1/2	2,394.25
3/4	178.56	3/4	417.31	3/4	664.98	3/4	912.80	3/4	1,160.27	3/4	1,408.08	3/4	1,655.91	3/4	1,903.74	3/4	2,151.58	3/4	2,399.41
11	183.06	11	422.48	11	670.13	11	917.97	11	1,165.41	11	1,413.24	11	1,661.07	11	1,908.91	11	2,156.74	11	2,404.58
1/4	187.64	1/4	427.64	1/4	675.30	1/4	923.13	1/4	1,170.57	1/4	1,418.40	1/4	1,666.24	1/4	1,914.07	1/4	2,161.90	1/4	2,409.74
1/2	192.23	1/2	432.80	1/2	680.46	1/2	928.29	1/2	1,175.73	1/2	1,423.57	1/2	1,671.40	1/2	1,919.23	1/2	2,167.07	1/2	2,414.90
3/4	196.82	3/4	437.97	3/4	685.62	3/4	933.46	3/4	1,180.90	3/4	1,428.73	3/4	1,676.56	3/4	1,924.40	3/4	2,172.23	3/4	2,420.06

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'-06" FORWARD OF AFT BULKHEAD
 GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 31'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "MM 308"

**1 STBD
INNAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-01 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	2,425.23	0	2,673.06	0	2,920.88	0	3,168.70	0	3,415.25	0		0		0		0		0	
1/4	2,430.39	1/4	2,678.22	1/4	2,926.04	1/4	3,173.86	1/4	3,420.34	1/4		1/4		1/4		1/4		1/4	
1/2	2,435.55	1/2	2,683.38	1/2	2,931.20	1/2	3,179.02	1/2	3,425.43	1/2		1/2		1/2		1/2		1/2	
3/4	2,440.72	3/4	2,688.55	3/4	2,936.37	3/4	3,184.19	3/4	3,430.51	3/4		3/4		3/4		3/4		3/4	
1	2,445.88	1	2,693.71	1	2,941.53	1	3,189.35	1	3,435.60	1		1		1		1		1	
1/4	2,451.04	1/4	2,698.87	1/4	2,946.69	1/4	3,194.51	1/4	3,440.19	1/4		1/4		1/4		1/4		1/4	
1/2	2,456.21	1/2	2,704.04	1/2	2,951.86	1/2	3,199.67	1/2	3,444.79	1/2		1/2		1/2		1/2		1/2	
3/4	2,461.37	3/4	2,709.20	3/4	2,957.02	3/4	3,204.84	3/4	3,449.38	3/4		3/4		3/4		3/4		3/4	
2	2,466.53	2	2,714.36	2	2,962.18	2	3,210.00	2	3,453.98	2		2		2		2		2	
1/4	2,471.70	1/4	2,719.53	1/4	2,967.34	1/4	3,215.16	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,476.86	1/2	2,724.69	1/2	2,972.51	1/2	3,220.33	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,482.02	3/4	2,729.85	3/4	2,977.67	3/4	3,225.49	3/4		3/4		3/4		3/4		3/4		3/4	
3	2,487.19	3	2,735.01	3	2,982.83	3	3,230.65	3		3		3		3		3		3	
1/4	2,492.35	1/4	2,740.18	1/4	2,988.00	1/4	3,235.82	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,497.51	1/2	2,745.34	1/2	2,993.16	1/2	3,240.98	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,502.68	3/4	2,750.50	3/4	2,998.32	3/4	3,246.14	3/4		3/4		3/4		3/4		3/4		3/4	
4	2,507.84	4	2,755.67	4	3,003.48	4	3,251.30	4		4		4		4		4		4	
1/4	2,513.00	1/4	2,760.83	1/4	3,008.65	1/4	3,256.47	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,518.17	1/2	2,765.99	1/2	3,013.81	1/2	3,261.63	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,523.33	3/4	2,771.15	3/4	3,018.97	3/4	3,266.79	3/4		3/4		3/4		3/4		3/4		3/4	
5	2,528.49	5	2,776.32	5	3,024.14	5	3,271.96	5		5		5		5		5		5	
1/4	2,533.66	1/4	2,781.48	1/4	3,029.30	1/4	3,277.12	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,538.82	1/2	2,786.64	1/2	3,034.46	1/2	3,282.28	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,543.98	3/4	2,791.81	3/4	3,039.63	3/4	3,287.44	3/4		3/4		3/4		3/4		3/4		3/4	
6	2,549.14	6	2,796.97	6	3,044.79	6	3,292.61	6		6		6		6		6		6	
1/4	2,554.31	1/4	2,802.13	1/4	3,049.95	1/4	3,297.77	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,559.47	1/2	2,807.29	1/2	3,055.11	1/2	3,302.83	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,564.63	3/4	2,812.46	3/4	3,060.28	3/4	3,307.94	3/4		3/4		3/4		3/4		3/4		3/4	
7	2,569.80	7	2,817.62	7	3,065.44	7	3,313.05	7		7		7		7		7		7	
1/4	2,574.96	1/4	2,822.78	1/4	3,070.60	1/4	3,318.17	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,580.12	1/2	2,827.95	1/2	3,075.77	1/2	3,323.28	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,585.29	3/4	2,833.11	3/4	3,080.93	3/4	3,328.39	3/4		3/4		3/4		3/4		3/4		3/4	
8	2,590.45	8	2,838.27	8	3,086.09	8	3,333.50	8		8		8		8		8		8	
1/4	2,595.61	1/4	2,843.43	1/4	3,091.25	1/4	3,338.61	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,600.78	1/2	2,848.60	1/2	3,096.42	1/2	3,343.72	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,605.94	3/4	2,853.76	3/4	3,101.58	3/4	3,348.83	3/4		3/4		3/4		3/4		3/4		3/4	
9	2,611.10	9	2,858.92	9	3,106.74	9	3,353.95	9		9		9		9		9		9	
1/4	2,616.27	1/4	2,864.09	1/4	3,111.91	1/4	3,359.06	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,621.43	1/2	2,869.25	1/2	3,117.07	1/2	3,364.17	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,626.59	3/4	2,874.41	3/4	3,122.23	3/4	3,369.28	3/4		3/4		3/4		3/4		3/4		3/4	
10	2,631.76	10	2,879.58	10	3,127.39	10	3,374.39	10		10		10		10		10		10	
1/4	2,636.92	1/4	2,884.74	1/4	3,132.56	1/4	3,379.50	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,642.08	1/2	2,889.90	1/2	3,137.72	1/2	3,384.61	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,647.24	3/4	2,895.06	3/4	3,142.88	3/4	3,389.72	3/4		3/4		3/4		3/4		3/4		3/4	
11	2,652.41	11	2,900.23	11	3,148.05	11	3,394.83	11		11		11		11		11		11	
1/4	2,657.57	1/4	2,905.39	1/4	3,153.21	1/4	3,399.94	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,662.73	1/2	2,910.55	1/2	3,158.37	1/2	3,405.04	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,667.90	3/4	2,915.72	3/4	3,163.53	3/4	3,410.15	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/06/2015 CL
CALCULATED: 04/07/2015 CL
PRINTED: 04/07/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2015

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "MM 308"

1 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	17.13	0	201.12	0	442.57	0	688.67	0	935.80	0	1,182.98	0	1,430.55	0	1,678.12	0	1,925.69	0	2,173.26
1/4	19.02	1/4	205.80	1/4	447.73	1/4	693.79	1/4	940.96	1/4	1,188.14	1/4	1,435.71	1/4	1,683.28	1/4	1,930.85	1/4	2,178.42
1/2	20.90	1/2	210.47	1/2	452.89	1/2	698.91	1/2	946.12	1/2	1,193.30	1/2	1,440.87	1/2	1,688.44	1/2	1,936.01	1/2	2,183.58
3/4	22.79	3/4	215.15	3/4	458.05	3/4	704.03	3/4	951.28	3/4	1,198.46	3/4	1,446.03	3/4	1,693.60	3/4	1,941.17	3/4	2,188.74
1	24.67	1	219.82	1	463.21	1	709.15	1	956.43	1	1,203.62	1	1,451.19	1	1,698.75	1	1,946.32	1	2,193.89
1/4	27.68	1/4	224.59	1/4	468.36	1/4	714.28	1/4	961.59	1/4	1,208.77	1/4	1,456.34	1/4	1,703.91	1/4	1,951.48	1/4	2,199.05
1/2	30.69	1/2	229.36	1/2	473.52	1/2	719.40	1/2	966.75	1/2	1,213.93	1/2	1,461.50	1/2	1,709.07	1/2	1,956.64	1/2	2,204.21
3/4	33.69	3/4	234.12	3/4	478.68	3/4	724.52	3/4	971.91	3/4	1,219.09	3/4	1,466.66	3/4	1,714.23	3/4	1,961.80	3/4	2,209.37
2	36.70	2	238.89	2	483.84	2	729.64	2	977.07	2	1,224.25	2	1,471.82	2	1,719.39	2	1,966.96	2	2,214.52
1/4	40.29	1/4	243.75	1/4	488.99	1/4	734.76	1/4	982.22	1/4	1,229.40	1/4	1,476.97	1/4	1,724.54	1/4	1,972.11	1/4	2,219.68
1/2	43.88	1/2	248.61	1/2	494.15	1/2	739.88	1/2	987.38	1/2	1,234.56	1/2	1,482.13	1/2	1,729.70	1/2	1,977.27	1/2	2,224.84
3/4	47.47	3/4	253.47	3/4	499.31	3/4	745.01	3/4	992.54	3/4	1,239.72	3/4	1,487.29	3/4	1,734.86	3/4	1,982.43	3/4	2,230.00
3	51.06	3	258.33	3	504.47	3	750.13	3	997.70	3	1,244.88	3	1,492.45	3	1,740.02	3	1,987.59	3	2,235.16
1/4	54.77	1/4	263.28	1/4	509.58	1/4	755.28	1/4	1,002.85	1/4	1,250.03	1/4	1,497.60	1/4	1,745.17	1/4	1,992.74	1/4	2,240.31
1/2	58.47	1/2	268.23	1/2	514.70	1/2	760.44	1/2	1,008.01	1/2	1,255.19	1/2	1,502.76	1/2	1,750.33	1/2	1,997.90	1/2	2,245.47
3/4	62.17	3/4	273.18	3/4	519.81	3/4	765.60	3/4	1,013.17	3/4	1,260.35	3/4	1,507.92	3/4	1,755.49	3/4	2,003.06	3/4	2,250.63
4	65.87	4	278.13	4	524.93	4	770.76	4	1,018.33	4	1,265.51	4	1,513.08	4	1,760.65	4	2,008.22	4	2,255.79
1/4	69.66	1/4	283.17	1/4	530.05	1/4	775.92	1/4	1,023.48	1/4	1,270.67	1/4	1,518.24	1/4	1,765.80	1/4	2,013.37	1/4	2,260.94
1/2	73.46	1/2	288.22	1/2	535.16	1/2	781.07	1/2	1,028.64	1/2	1,275.82	1/2	1,523.39	1/2	1,770.96	1/2	2,018.53	1/2	2,266.10
3/4	77.26	3/4	293.26	3/4	540.28	3/4	786.23	3/4	1,033.80	3/4	1,280.98	3/4	1,528.55	3/4	1,776.12	3/4	2,023.69	3/4	2,271.26
5	81.06	5	298.30	5	545.39	5	791.39	5	1,038.96	5	1,286.14	5	1,533.71	5	1,781.28	5	2,028.85	5	2,276.42
1/4	84.95	1/4	303.42	1/4	550.51	1/4	796.55	1/4	1,044.12	1/4	1,291.30	1/4	1,538.87	1/4	1,786.44	1/4	2,034.01	1/4	2,281.57
1/2	88.84	1/2	308.55	1/2	555.63	1/2	801.70	1/2	1,049.27	1/2	1,296.45	1/2	1,544.02	1/2	1,791.59	1/2	2,039.16	1/2	2,286.73
3/4	92.74	3/4	313.67	3/4	560.74	3/4	806.86	3/4	1,054.43	3/4	1,301.61	3/4	1,549.18	3/4	1,796.75	3/4	2,044.32	3/4	2,291.89
6	96.63	6	318.79	6	565.86	6	812.02	6	1,059.59	6	1,306.77	6	1,554.34	6	1,801.91	6	2,049.48	6	2,297.05
1/4	100.75	1/4	323.95	1/4	570.98	1/4	817.18	1/4	1,064.75	1/4	1,311.93	1/4	1,559.50	1/4	1,807.07	1/4	2,054.64	1/4	2,302.21
1/2	104.88	1/2	329.11	1/2	576.09	1/2	822.33	1/2	1,069.90	1/2	1,317.08	1/2	1,564.65	1/2	1,812.22	1/2	2,059.79	1/2	2,307.36
3/4	109.00	3/4	334.27	3/4	581.21	3/4	827.49	3/4	1,075.06	3/4	1,322.24	3/4	1,569.81	3/4	1,817.38	3/4	2,064.95	3/4	2,312.52
7	113.13	7	339.42	7	586.32	7	832.65	7	1,080.22	7	1,327.40	7	1,574.97	7	1,822.54	7	2,070.11	7	2,317.68
1/4	117.34	1/4	344.58	1/4	591.44	1/4	837.81	1/4	1,085.35	1/4	1,332.56	1/4	1,580.13	1/4	1,827.70	1/4	2,075.27	1/4	2,322.84
1/2	121.56	1/2	349.74	1/2	596.56	1/2	842.97	1/2	1,090.49	1/2	1,337.72	1/2	1,585.29	1/2	1,832.85	1/2	2,080.42	1/2	2,327.99
3/4	125.77	3/4	354.90	3/4	601.67	3/4	848.12	3/4	1,095.62	3/4	1,342.87	3/4	1,590.44	3/4	1,838.01	3/4	2,085.58	3/4	2,333.15
8	129.99	8	360.05	8	606.79	8	853.28	8	1,100.75	8	1,348.03	8	1,595.60	8	1,843.17	8	2,090.74	8	2,338.31
1/4	134.30	1/4	365.21	1/4	611.90	1/4	858.44	1/4	1,105.89	1/4	1,353.19	1/4	1,600.76	1/4	1,848.33	1/4	2,095.90	1/4	2,343.47
1/2	138.61	1/2	370.37	1/2	617.02	1/2	863.60	1/2	1,111.02	1/2	1,358.35	1/2	1,605.92	1/2	1,853.49	1/2	2,101.06	1/2	2,348.63
3/4	142.91	3/4	375.53	3/4	622.14	3/4	868.75	3/4	1,116.15	3/4	1,363.50	3/4	1,611.07	3/4	1,858.64	3/4	2,106.21	3/4	2,353.78
9	147.22	9	380.68	9	627.25	9	873.91	9	1,121.29	9	1,368.66	9	1,616.23	9	1,863.80	9	2,111.37	9	2,358.94
1/4	151.62	1/4	385.84	1/4	632.37	1/4	879.07	1/4	1,126.42	1/4	1,373.82	1/4	1,621.39	1/4	1,868.96	1/4	2,116.53	1/4	2,364.10
1/2	156.02	1/2	391.00	1/2	637.48	1/2	884.23	1/2	1,131.55	1/2	1,378.98	1/2	1,626.55	1/2	1,874.12	1/2	2,121.69	1/2	2,369.26
3/4	160.42	3/4	396.16	3/4	642.60	3/4	889.38	3/4	1,136.69	3/4	1,384.14	3/4	1,631.70	3/4	1,879.27	3/4	2,126.84	3/4	2,374.41
10	164.82	10	401.31	10	647.72	10	894.54	10	1,141.82	10	1,389.29	10	1,636.86	10	1,884.43	10	2,132.00	10	2,379.57
1/4	169.31	1/4	406.47	1/4	652.83	1/4	899.70	1/4	1,146.95	1/4	1,394.45	1/4	1,642.02	1/4	1,889.59	1/4	2,137.16	1/4	2,384.73
1/2	173.80	1/2	411.63	1/2	657.95	1/2	904.86	1/2	1,152.09	1/2	1,399.61	1/2	1,647.18	1/2	1,894.75	1/2	2,142.32	1/2	2,389.89
3/4	178.29	3/4	416.79	3/4	663.07	3/4	910.02	3/4	1,157.22	3/4	1,404.77	3/4	1,652.34	3/4	1,899.91	3/4	2,147.47	3/4	2,395.04
11	182.79	11	421.94	11	668.18	11	915.17	11	1,162.35	11	1,409.92	11	1,657.49	11	1,905.06	11	2,152.63	11	2,400.20
1/4	187.37	1/4	427.10	1/4	673.30	1/4	920.33	1/4	1,167.51	1/4	1,415.08	1/4	1,662.65	1/4	1,910.22	1/4	2,157.79	1/4	2,405.36
1/2	191.95	1/2	432.26	1/2	678.42	1/2	925.49	1/2	1,172.67	1/2	1,420.24	1/2	1,667.81	1/2	1,915.38	1/2	2,162.95	1/2	2,410.52
3/4	196.54	3/4	437.42	3/4	683.55	3/4	930.65	3/4	1,177.83	3/4	1,425.40	3/4	1,672.97	3/4	1,920.54	3/4	2,168.11	3/4	2,415.68

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'-06" FORWARD OF AFT BULKHEAD
 GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 31'-00" FORWARD OF AFT BULKHEAD

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



BARGE "MM 308"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/4"

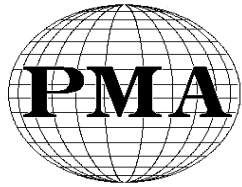
IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,420.83	0	2,668.40	0	2,915.97	0	3,163.54	0	3,409.84	0		0		0		0		0	
1/4	2,425.99	1/4	2,673.56	1/4	2,921.13	1/4	3,168.70	1/4	3,414.92	1/4		1/4		1/4		1/4		1/4	
1/2	2,431.15	1/2	2,678.72	1/2	2,926.29	1/2	3,173.86	1/2	3,420.00	1/2		1/2		1/2		1/2		1/2	
3/4	2,436.31	3/4	2,683.88	3/4	2,931.45	3/4	3,179.01	3/4	3,425.08	3/4		3/4		3/4		3/4		3/4	
1	2,441.46	1	2,689.03	1	2,936.60	1	3,184.17	1	3,430.16	1		1		1		1		1	
1/4	2,446.62	1/4	2,694.19	1/4	2,941.76	1/4	3,189.33	1/4	3,434.75	1/4		1/4		1/4		1/4		1/4	
1/2	2,451.78	1/2	2,699.35	1/2	2,946.92	1/2	3,194.49	1/2	3,439.34	1/2		1/2		1/2		1/2		1/2	
3/4	2,456.94	3/4	2,704.51	3/4	2,952.08	3/4	3,199.65	3/4	3,443.93	3/4		3/4		3/4		3/4		3/4	
2	2,462.09	2	2,709.66	2	2,957.23	2	3,204.80	2	3,448.52	2		2		2		2		2	
1/4	2,467.25	1/4	2,714.82	1/4	2,962.39	1/4	3,209.96	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,472.41	1/2	2,719.98	1/2	2,967.55	1/2	3,215.12	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,477.57	3/4	2,725.14	3/4	2,972.71	3/4	3,220.28	3/4		3/4		3/4		3/4		3/4		3/4	
3	2,482.73	3	2,730.29	3	2,977.86	3	3,225.43	3		3		3		3		3		3	
1/4	2,487.88	1/4	2,735.45	1/4	2,983.02	1/4	3,230.59	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,493.04	1/2	2,740.61	1/2	2,988.18	1/2	3,235.75	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,498.20	3/4	2,745.77	3/4	2,993.34	3/4	3,240.91	3/4		3/4		3/4		3/4		3/4		3/4	
4	2,503.36	4	2,750.93	4	2,998.50	4	3,246.06	4		4		4		4		4		4	
1/4	2,508.51	1/4	2,756.08	1/4	3,003.65	1/4	3,251.22	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,513.67	1/2	2,761.24	1/2	3,008.81	1/2	3,256.38	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,518.83	3/4	2,766.40	3/4	3,013.97	3/4	3,261.54	3/4		3/4		3/4		3/4		3/4		3/4	
5	2,523.99	5	2,771.56	5	3,019.13	5	3,266.70	5		5		5		5		5		5	
1/4	2,529.14	1/4	2,776.71	1/4	3,024.28	1/4	3,271.85	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,534.30	1/2	2,781.87	1/2	3,029.44	1/2	3,277.01	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,539.46	3/4	2,787.03	3/4	3,034.60	3/4	3,282.17	3/4		3/4		3/4		3/4		3/4		3/4	
6	2,544.62	6	2,792.19	6	3,039.76	6	3,287.33	6		6		6		6		6		6	
1/4	2,549.78	1/4	2,797.34	1/4	3,044.91	1/4	3,292.43	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,554.93	1/2	2,802.50	1/2	3,050.07	1/2	3,297.54	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,560.09	3/4	2,807.66	3/4	3,055.23	3/4	3,302.64	3/4		3/4		3/4		3/4		3/4		3/4	
7	2,565.25	7	2,812.82	7	3,060.39	7	3,307.75	7		7		7		7		7		7	
1/4	2,570.41	1/4	2,817.98	1/4	3,065.55	1/4	3,312.85	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,575.56	1/2	2,823.13	1/2	3,070.70	1/2	3,317.96	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,580.72	3/4	2,828.29	3/4	3,075.86	3/4	3,323.07	3/4		3/4		3/4		3/4		3/4		3/4	
8	2,585.88	8	2,833.45	8	3,081.02	8	3,328.17	8		8		8		8		8		8	
1/4	2,591.04	1/4	2,838.61	1/4	3,086.18	1/4	3,333.28	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,596.19	1/2	2,843.76	1/2	3,091.33	1/2	3,338.38	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,601.35	3/4	2,848.92	3/4	3,096.49	3/4	3,343.49	3/4		3/4		3/4		3/4		3/4		3/4	
9	2,606.51	9	2,854.08	9	3,101.65	9	3,348.59	9		9		9		9		9		9	
1/4	2,611.67	1/4	2,859.24	1/4	3,106.81	1/4	3,353.70	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,616.83	1/2	2,864.40	1/2	3,111.96	1/2	3,358.81	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,621.98	3/4	2,869.55	3/4	3,117.12	3/4	3,363.91	3/4		3/4		3/4		3/4		3/4		3/4	
10	2,627.14	10	2,874.71	10	3,122.28	10	3,369.02	10		10		10		10		10		10	
1/4	2,632.30	1/4	2,879.87	1/4	3,127.44	1/4	3,374.12	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,637.46	1/2	2,885.03	1/2	3,132.60	1/2	3,379.23	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,642.61	3/4	2,890.18	3/4	3,137.75	3/4	3,384.33	3/4		3/4		3/4		3/4		3/4		3/4	
11	2,647.77	11	2,895.34	11	3,142.91	11	3,389.44	11		11		11		11		11		11	
1/4	2,652.93	1/4	2,900.50	1/4	3,148.07	1/4	3,394.54	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,658.09	1/2	2,905.66	1/2	3,153.23	1/2	3,399.64	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,663.24	3/4	2,910.81	3/4	3,158.38	3/4	3,404.74	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/06/2015 CL
CALCULATED: 04/07/2015 CL
PRINTED: 04/07/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2015

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



BARGE "MM 308"

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	- 00-1/8	00-1/8
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	05-5/8	- 05-5/8	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	05-5/8	- 05-5/8	06-3/4	- 06-3/4

(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"

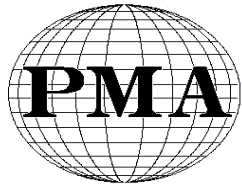
LENGTH BETWEEN DRAFT MARKS: 237'-03"

April 7, 2015

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "MM 308"

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	00-3/8	- 00-3/8
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	00-3/8	- 00-3/8
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	01-1/8	- 01-1/8	02-3/8	- 02-3/8	03-1/2	- 03-1/2	04-3/4	- 04-3/4	05-7/8	- 05-7/8	07-1/8	- 07-1/8
4 STBD	01-1/8	- 01-1/8	02-3/8	- 02-3/8	03-1/2	- 03-1/2	04-3/4	- 04-3/4	05-7/8	- 05-7/8	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 4 PORT IS - 02-3/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 4 PORT, THE TRIM CORRECTED ULLAGE IS 3'-09 5/8"

LENGTH BETWEEN DRAFT MARKS: 237'-03"

April 7, 2015

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "MM 308"

4 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 10'-07 1/4"

IN	0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		10 FT.		
0	0	2,110.94	0	1,894.04	0	1,675.25	0	1,456.46	0	1,237.22	0	1,018.79	0	799.43	0	580.46	0	361.41	0	142.00			
1/4	1/4	2,106.89	1/4	1,889.48	1/4	1,670.69	1/4	1,451.90	1/4	1,232.65	1/4	1,014.29	1/4	794.86	1/4	575.91	1/4	356.84	1/4	137.43			
1/2	1/2	2,102.40	1/2	1,884.92	1/2	1,666.13	1/2	1,447.34	1/2	1,228.08	1/2	1,009.71	1/2	790.29	1/2	571.36	1/2	352.27	1/2	132.86			
3/4	3/4	2,097.91	3/4	1,880.36	3/4	1,661.57	3/4	1,442.79	3/4	1,223.51	3/4	1,005.14	3/4	785.72	3/4	566.81	3/4	347.70	3/4	128.28			
1	1	2,093.42	1	1,875.80	1	1,657.02	1	1,438.23	1	1,218.94	1	1,000.57	1	781.15	1	562.26	1	343.13	1	123.71			
1/4	1/4	2,088.92	1/4	1,871.25	1/4	1,652.46	1/4	1,433.67	1/4	1,214.37	1/4	996.00	1/4	776.58	1/4	557.71	1/4	338.56	1/4	119.14			
1/2	1/2	2,084.42	1/2	1,866.69	1/2	1,647.90	1/2	1,429.11	1/2	1,209.80	1/2	991.43	1/2	772.01	1/2	553.16	1/2	333.98	1/2	114.58			
3/4	3/4	2,079.91	3/4	1,862.13	3/4	1,643.34	3/4	1,424.55	3/4	1,205.23	3/4	986.86	3/4	767.44	3/4	548.61	3/4	329.41	3/4	110.02			
2	2	2,075.40	2	1,857.57	2	1,638.78	2	1,419.99	2	1,200.66	2	982.29	2	762.86	2	544.06	2	324.84	2	105.46			
1/4	1/4	2,070.90	1/4	1,853.01	1/4	1,634.23	1/4	1,415.44	1/4	1,196.08	1/4	977.71	1/4	758.29	1/4	539.51	1/4	320.27	1/4	100.90			
1/2	1/2	2,066.39	1/2	1,848.46	1/2	1,629.67	1/2	1,410.88	1/2	1,191.51	1/2	973.14	1/2	753.72	1/2	534.96	1/2	315.70	1/2	96.34			
3/4	3/4	2,061.88	3/4	1,843.90	3/4	1,625.11	3/4	1,406.32	3/4	1,186.94	3/4	968.57	3/4	749.15	3/4	530.41	3/4	311.13	3/4	91.78			
3	3	2,057.36	3	1,839.34	3	1,620.55	3	1,401.76	3	1,182.37	3	964.00	3	744.58	3	525.86	3	306.56	3	87.22			
1/4	1/4	2,052.85	1/4	1,834.78	1/4	1,615.99	1/4	1,397.20	1/4	1,177.80	1/4	959.43	1/4	740.01	1/4	521.31	1/4	301.99	1/4	82.67			
1/2	1/2	2,048.34	1/2	1,830.22	1/2	1,611.43	1/2	1,392.63	1/2	1,173.23	1/2	954.86	1/2	735.44	1/2	516.76	1/2	297.42	1/2	78.11			
3/4	3/4	2,043.83	3/4	1,825.67	3/4	1,606.88	3/4	1,388.06	3/4	1,168.66	3/4	950.29	3/4	730.86	3/4	512.21	3/4	292.84	3/4	73.56			
4	4	2,039.31	4	1,821.11	4	1,602.32	4	1,383.49	4	1,164.09	4	945.72	4	726.29	4	507.66	4	288.27	4	69.01			
1/4	1/4	2,034.80	1/4	1,816.55	1/4	1,597.76	1/4	1,378.92	1/4	1,159.52	1/4	941.14	1/4	721.72	1/4	503.11	1/4	283.70	1/4	64.45			
1/2	1/2	2,030.29	1/2	1,811.99	1/2	1,593.20	1/2	1,374.35	1/2	1,154.95	1/2	936.57	1/2	717.15	1/2	498.54	1/2	279.13	1/2	59.92			
3/4	3/4	2,025.77	3/4	1,807.43	3/4	1,588.64	3/4	1,369.78	3/4	1,150.38	3/4	932.00	3/4	712.58	3/4	493.97	3/4	274.56	3/4	55.38			
5	5	2,021.26	5	1,802.88	5	1,584.09	5	1,365.21	5	1,145.80	5	927.43	5	708.01	5	489.40	5	269.99	5	50.84			
1/4	1/4	2,016.75	1/4	1,798.32	1/4	1,579.53	1/4	1,360.64	1/4	1,141.23	1/4	922.86	1/4	703.44	1/4	484.83	1/4	265.42	1/4	46.31			
1/2	1/2	2,012.23	1/2	1,793.76	1/2	1,574.97	1/2	1,356.07	1/2	1,136.66	1/2	918.29	1/2	698.87	1/2	480.26	1/2	260.85	1/2	42.21			
3/4	3/4	2,007.72	3/4	1,789.20	3/4	1,570.41	3/4	1,351.50	3/4	1,132.09	3/4	913.72	3/4	694.29	3/4	475.69	3/4	256.28	3/4	38.10			
6	6	2,003.21	6	1,784.64	6	1,565.85	6	1,346.92	6	1,127.52	6	909.15	6	689.72	6	471.12	6	251.70	6	34.00			
1/4	1/4	1,998.69	1/4	1,780.08	1/4	1,561.30	1/4	1,342.35	1/4	1,122.95	1/4	904.57	1/4	685.15	1/4	466.55	1/4	247.13	1/4	29.90			
1/2	1/2	1,994.18	1/2	1,775.53	1/2	1,556.74	1/2	1,337.78	1/2	1,118.38	1/2	900.00	1/2	680.60	1/2	461.98	1/2	242.56	1/2	26.71			
3/4	3/4	1,989.67	3/4	1,770.97	3/4	1,552.18	3/4	1,333.21	3/4	1,113.81	3/4	895.43	3/4	676.04	3/4	457.40	3/4	237.99	3/4	23.52			
7	7	1,985.15	7	1,766.41	7	1,547.62	7	1,328.64	7	1,109.24	7	890.86	7	671.49	7	452.83	7	233.42	7	20.33			
1/4	1/4	1,980.64	1/4	1,761.85	1/4	1,543.06	1/4	1,324.07	1/4	1,104.67	1/4	886.29	1/4	666.93	1/4	448.26	1/4	228.85	1/4	17.14			
1/2	1/2	1,976.08	1/2	1,757.29	1/2	1,538.51	1/2	1,319.50	1/2	1,100.10	1/2	881.72	1/2	662.37	1/2	443.69	1/2	224.28	1/2	14.44			
3/4	3/4	1,971.52	3/4	1,752.74	3/4	1,533.95	3/4	1,314.93	3/4	1,095.52	3/4	877.15	3/4	657.82	3/4	439.12	3/4	219.71	3/4	11.74			
8	8	1,966.97	8	1,748.18	8	1,529.39	8	1,310.36	8	1,090.95	8	872.58	8	653.26	8	434.55	8	215.14	8	8.00			
1/4	1/4	1,962.41	1/4	1,743.62	1/4	1,524.83	1/4	1,305.79	1/4	1,086.38	1/4	868.00	1/4	648.71	1/4	429.98	1/4	210.56	1/4	6.25			
1/2	1/2	1,957.85	1/2	1,739.06	1/2	1,520.27	1/2	1,301.22	1/2	1,081.88	1/2	863.43	1/2	644.16	1/2	425.41	1/2	205.99	1/2	4.50			
3/4	3/4	1,953.29	3/4	1,734.50	3/4	1,515.71	3/4	1,296.64	3/4	1,077.37	3/4	858.86	3/4	639.61	3/4	420.84	3/4	201.42	3/4	2.75			
9	9	1,948.73	9	1,729.95	9	1,511.16	9	1,292.07	9	1,072.86	9	854.29	9	635.06	9	416.26	9	196.85	9	1.00			
1/4	1/4	1,944.18	1/4	1,725.39	1/4	1,506.60	1/4	1,287.50	1/4	1,068.36	1/4	849.72	1/4	630.51	1/4	411.69	1/4	192.28	1/4	0.25			
1/2	1/2	1,939.62	1/2	1,720.83	1/2	1,502.04	1/2	1,282.93	1/2	1,063.85	1/2	845.15	1/2	625.96	1/2	407.12	1/2	187.71	1/2	0.00			
3/4	3/4	1,935.06	3/4	1,716.27	3/4	1,497.48	3/4	1,278.36	3/4	1,059.35	3/4	840.58	3/4	621.41	3/4	402.55	3/4	183.14	3/4	0.00			
10	10	1,930.50	10	1,711.71	10	1,492.92	10	1,273.79	10	1,054.84	10	836.00	10	616.86	10	397.98	10	178.57	10	0.00			
1/4	1/4	1,925.94	1/4	1,707.15	1/4	1,488.37	1/4	1,269.22	1/4	1,050.33	1/4	831.43	1/4	612.31	1/4	393.41	1/4	174.00	1/4	0.00			
1/2	1/2	1,921.39	1/2	1,702.60	1/2	1,483.81	1/2	1,264.65	1/2	1,045.83	1/2	826.86	1/2	607.76	1/2	388.84	1/2	169.42	1/2	0.00			
3/4	3/4	1,916.83	3/4	1,698.04	3/4	1,479.25	3/4	1,260.08	3/4	1,041.32	3/4	822.29	3/4	603.21	3/4	384.27	3/4	164.85	3/4	0.00			
11	2,126.25	11	1,912.27	11	1,693.48	11	1,474.69	11	1,255.51	11	1,036.82	11	817.72	11	598.66	11	379.70	11	160.28	11	0.00		
1/4	2,123.11	1/4	1,907.71	1/4	1,688.92	1/4	1,470.13	1/4	1,250.94	1/4	1,032.31	1/4	813.15	1/4	594.11	1/4	375.12	1/4	155.71	1/4	0.00		
1/2	2,119.05	1/2	1,903.15	1/2	1,684.36	1/2	1,465.58	1/2	1,246.36	1/2	1,027.80	1/2	808.58	1/2	589.56	1/2	370.55	1/2	151.14	1/2	0.00		
3/4	2,115.00	3/4	1,898.60	3/4	1,679.81	3/4	1,461.02	3/4	1,241.79	3/4	1,023.30	3/4	804.01	3/4	585.01	3/4	365.98	3/4	146.57	3/4	0.00		

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.

STRAPPED: 04/06/2015 CL
CALCULATED: 04/0



BARGE "MM 308"

4 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 10'-07 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		10 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4		1/4	2,093.05	1/4	1,876.95	1/4	1,658.99	1/4	1,441.04	1/4	1,222.63	1/4	1,005.97	1/4	788.21	1/4	575.71	1/4	360.39	1/4	141.64
1/2		1/2	2,088.99	1/2	1,872.41	1/2	1,654.45	1/2	1,436.50	1/2	1,218.08	1/2	1,001.53	1/2	783.66	1/2	571.35	1/2	355.83	1/2	137.08
3/4		3/4	2,084.52	3/4	1,867.87	3/4	1,649.91	3/4	1,431.95	3/4	1,213.53	3/4	997.02	3/4	779.11	3/4	567.00	3/4	351.27	3/4	132.52
1	1	1	2,080.04	1	1,863.33	1	1,645.37	1	1,427.41	1	1,208.97	1	992.51	1	774.57	1	562.64	1	346.71	1	127.97
1/4	1/4	1/4	2,075.57	1/4	1,858.79	1/4	1,640.83	1/4	1,422.87	1/4	1,204.42	1/4	988.00	1/4	770.02	1/4	558.29	1/4	342.16	1/4	123.41
1/2	1/2	1/2	2,071.10	1/2	1,854.25	1/2	1,636.29	1/2	1,418.33	1/2	1,199.87	1/2	983.48	1/2	765.47	1/2	553.94	1/2	337.60	1/2	118.86
3/4	3/4	3/4	2,066.61	3/4	1,849.71	3/4	1,631.75	3/4	1,413.79	3/4	1,195.31	3/4	978.97	3/4	760.92	3/4	549.58	3/4	333.04	3/4	114.31
2	2	2	2,062.12	2	1,845.17	2	1,627.21	2	1,409.25	2	1,190.76	2	974.46	2	756.37	2	545.23	2	328.48	2	109.76
1/4	1/4	1/4	2,057.63	1/4	1,840.63	1/4	1,622.67	1/4	1,404.71	1/4	1,186.21	1/4	969.95	1/4	751.82	1/4	540.88	1/4	323.93	1/4	105.22
1/2	1/2	1/2	2,053.14	1/2	1,836.09	1/2	1,618.13	1/2	1,400.17	1/2	1,181.65	1/2	965.44	1/2	747.28	1/2	536.52	1/2	319.37	1/2	100.67
3/4	3/4	3/4	2,048.65	3/4	1,831.54	3/4	1,613.59	3/4	1,395.63	3/4	1,177.10	3/4	960.93	3/4	742.73	3/4	532.16	3/4	314.81	3/4	96.13
3	3	3	2,044.15	3	1,827.00	3	1,609.05	3	1,391.09	3	1,172.54	3	956.42	3	738.18	3	527.81	3	310.25	3	91.58
1/4	1/4	1/4	2,039.65	1/4	1,822.46	1/4	1,604.50	1/4	1,386.55	1/4	1,167.99	1/4	951.91	1/4	733.63	1/4	523.45	1/4	305.70	1/4	87.04
1/2	1/2	1/2	2,035.16	1/2	1,817.92	1/2	1,599.96	1/2	1,382.01	1/2	1,163.44	1/2	947.40	1/2	729.08	1/2	519.09	1/2	301.14	1/2	82.49
3/4	3/4	3/4	2,030.66	3/4	1,813.38	3/4	1,595.42	3/4	1,377.45	3/4	1,158.89	3/4	942.85	3/4	724.53	3/4	514.74	3/4	296.58	3/4	77.95
4	4	4	2,026.17	4	1,808.84	4	1,590.88	4	1,372.90	4	1,154.34	4	938.30	4	719.99	4	510.38	4	292.02	4	73.41
1/4	1/4	1/4	2,021.67	1/4	1,804.30	1/4	1,586.34	1/4	1,368.35	1/4	1,149.80	1/4	933.76	1/4	715.44	1/4	506.02	1/4	287.47	1/4	68.87
1/2	1/2	1/2	2,017.18	1/2	1,799.76	1/2	1,581.80	1/2	1,363.79	1/2	1,145.25	1/2	929.21	1/2	710.89	1/2	501.67	1/2	282.91	1/2	64.34
3/4	3/4	3/4	2,012.68	3/4	1,795.22	3/4	1,577.26	3/4	1,359.24	3/4	1,140.71	3/4	924.66	3/4	706.51	3/4	497.11	3/4	278.35	3/4	59.81
5	5	5	2,008.18	5	1,790.68	5	1,572.72	5	1,354.68	5	1,136.16	5	920.11	5	702.14	5	492.55	5	273.79	5	55.29
1/4	1/4	1/4	2,003.69	1/4	1,786.14	1/4	1,568.18	1/4	1,350.13	1/4	1,131.61	1/4	915.56	1/4	697.76	1/4	488.00	1/4	269.24	1/4	50.76
1/2	1/2	1/2	1,999.19	1/2	1,781.60	1/2	1,563.64	1/2	1,345.58	1/2	1,127.07	1/2	911.02	1/2	693.39	1/2	483.44	1/2	264.68	1/2	46.24
3/4	3/4	3/4	1,994.70	3/4	1,777.06	3/4	1,559.10	3/4	1,341.02	3/4	1,122.52	3/4	906.47	3/4	689.01	3/4	478.88	3/4	260.12	3/4	42.15
6	6	6	1,990.20	6	1,772.51	6	1,554.56	6	1,336.47	6	1,117.97	6	901.92	6	684.64	6	474.32	6	255.56	6	38.06
1/4	1/4	1/4	1,985.71	1/4	1,767.97	1/4	1,550.02	1/4	1,331.92	1/4	1,113.43	1/4	897.37	1/4	680.26	1/4	469.77	1/4	251.01	1/4	33.98
1/2	1/2	1/2	1,981.21	1/2	1,763.43	1/2	1,545.47	1/2	1,327.36	1/2	1,108.88	1/2	892.82	1/2	675.89	1/2	465.21	1/2	246.45	1/2	29.89
3/4	3/4	3/4	1,976.72	3/4	1,758.89	3/4	1,540.93	3/4	1,322.81	3/4	1,104.33	3/4	888.27	3/4	671.53	3/4	460.65	3/4	241.89	3/4	26.70
7	7	7	1,972.22	7	1,754.35	7	1,536.39	7	1,318.26	7	1,099.79	7	883.73	7	667.17	7	456.09	7	237.33	7	23.51
1/4	1/4	1/4	1,967.72	1/4	1,749.81	1/4	1,531.85	1/4	1,313.70	1/4	1,095.24	1/4	879.18	1/4	662.81	1/4	451.54	1/4	232.78	1/4	20.33
1/2	1/2	1/2	1,963.23	1/2	1,745.27	1/2	1,527.31	1/2	1,309.15	1/2	1,090.70	1/2	874.63	1/2	658.45	1/2	446.98	1/2	228.22	1/2	17.14
3/4	3/4	3/4	1,958.69	3/4	1,740.73	3/4	1,522.77	3/4	1,304.60	3/4	1,086.18	3/4	870.08	3/4	654.09	3/4	442.42	3/4	223.66	3/4	13.51
8	8	8	1,954.15	8	1,736.19	8	1,518.23	8	1,300.04	8	1,081.67	8	865.53	8	649.73	8	437.86	8	219.10	8	8.11
1/4	1/4	1/4	1,949.61	1/4	1,731.65	1/4	1,513.69	1/4	1,295.49	1/4	1,077.16	1/4	860.98	1/4	645.37	1/4	433.31	1/4	214.55	1/4	4.00
1/2	1/2	1/2	1,945.06	1/2	1,727.11	1/2	1,509.15	1/2	1,290.94	1/2	1,072.65	1/2	856.44	1/2	641.01	1/2	428.75	1/2	209.99	1/2	0.00
3/4	3/4	3/4	1,940.52	3/4	1,722.57	3/4	1,504.61	3/4	1,286.38	3/4	1,068.21	3/4	851.89	3/4	636.66	3/4	424.19	3/4	205.43	3/4	0.00
9	9	9	1,935.98	9	1,718.02	9	1,500.07	9	1,281.83	9	1,063.76	9	847.34	9	632.31	9	419.63	9	200.87	9	0.00
1/4	1/4	1/4	1,931.44	1/4	1,713.48	1/4	1,495.53	1/4	1,277.28	1/4	1,059.32	1/4	842.79	1/4	627.95	1/4	415.08	1/4	196.32	1/4	0.00
1/2	1/2	1/2	1,926.90	1/2	1,708.94	1/2	1,490.98	1/2	1,272.72	1/2	1,054.87	1/2	838.24	1/2	623.60	1/2	410.52	1/2	191.76	1/2	0.00
3/4	3/4	3/4	1,922.36	3/4	1,704.40	3/4	1,486.44	3/4	1,268.17	3/4	1,050.43	3/4	833.69	3/4	619.25	3/4	405.96	3/4	187.20	3/4	0.00
10	10	10	1,917.82	10	1,699.86	10	1,481.90	10	1,263.61	10	1,045.98	10	829.15	10	614.89	10	401.40	10	182.64	10	0.00
1/4	1/4	1/4	1,913.28	1/4	1,695.32	1/4	1,477.36	1/4	1,259.06	1/4	1,041.54	1/4	824.60	1/4	610.54	1/4	396.85	1/4	178.09	1/4	0.00
1/2	1/2	1/2	1,908.74	1/2	1,690.78	1/2	1,472.82	1/2	1,254.51	1/2	1,037.09	1/2	820.05	1/2	606.18	1/2	392.29	1/2	173.53	1/2	0.00
3/4	3/4	3/4	1,904.20	3/4	1,686.24	3/4	1,468.28	3/4	1,249.95	3/4	1,032.64	3/4	815.50	3/4	601.83	3/4	387.73	3/4	168.97	3/4	0.00
11	11	11	1,899.66	11	1,681.70	11	1,463.74	11	1,245.40	11	1,028.20	11	810.95	11	597.48	11	383.17	11	164.42	11	0.00
1/4	1/4	1/4	1,895.12	1/4	1,677.16	1/4	1,459.20	1/4	1,240.85	1/4	1,023.75	1/4	806.40	1/4	593.12	1/4	378.62	1/4	159.86	1/4	0.00
1/2	1/2	1/2	1,890.58	1/2	1,672.62	1/2	1,454.66	1/2	1,236.29	1/2	1,019.31	1/2	801.86	1/2	588.77	1/2	374.06	1/2	155.30	1/2	0.00
3/4	3/4	3/4	1,886.03	3/4	1,668.08	3/4	1,450.12	3/4	1,231.74	3/4	1,014.86	3/4	797.31	3/4	584.41	3/4	369.50	3/4	150.75	3/4	0.00

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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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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PRECISION MEASUREMENT
& ANALYSIS, INC.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2015



BARGE "MM 308"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02"

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	4,302.48	0	4,003.62	0	3,700.07	0	3,396.53	0	3,092.96	0	2,789.38	0	2,485.81	0	2,182.23	0	1,878.66	
1/4	1/4	4,296.86	1/4	3,997.30	1/4	3,693.75	1/4	3,390.20	1/4	3,086.64	1/4	2,783.06	1/4	2,479.48	1/4	2,175.91	1/4	1,872.33	
1/2	1/2	4,291.23	1/2	3,990.97	1/2	3,687.43	1/2	3,383.88	1/2	3,080.31	1/2	2,776.74	1/2	2,473.16	1/2	2,169.58	1/2	1,866.01	
3/4	3/4	4,285.60	3/4	3,984.65	3/4	3,681.10	3/4	3,377.56	3/4	3,073.99	3/4	2,770.41	3/4	2,466.83	3/4	2,163.26	3/4	1,859.68	
1	1	4,279.97	1	3,978.33	1	3,674.78	1	3,371.23	1	3,067.66	1	2,764.09	1	2,460.51	1	2,156.93	1	1,853.36	
1/4	1/4	4,273.74	1/4	3,972.00	1/4	3,668.45	1/4	3,364.91	1/4	3,061.34	1/4	2,757.76	1/4	2,454.19	1/4	2,150.61	1/4	1,847.03	
1/2	1/2	4,267.51	1/2	3,965.68	1/2	3,662.13	1/2	3,358.58	1/2	3,055.01	1/2	2,751.44	1/2	2,447.86	1/2	2,144.29	1/2	1,840.71	
3/4	3/4	4,261.28	3/4	3,959.35	3/4	3,655.81	3/4	3,352.26	3/4	3,048.69	3/4	2,745.11	3/4	2,441.54	3/4	2,137.96	3/4	1,834.38	
2	2	4,255.05	2	3,953.03	2	3,649.48	2	3,345.94	2	3,042.36	2	2,738.79	2	2,435.21	2	2,131.64	2	1,828.06	
1/4	1/4	4,248.80	1/4	3,946.71	1/4	3,643.16	1/4	3,339.61	1/4	3,036.04	1/4	2,732.46	1/4	2,428.89	1/4	2,125.31	1/4	1,821.74	
1/2	1/2	4,242.54	1/2	3,940.38	1/2	3,636.83	1/2	3,333.29	1/2	3,029.72	1/2	2,726.14	1/2	2,422.56	1/2	2,118.99	1/2	1,815.41	
3/4	3/4	4,236.29	3/4	3,934.06	3/4	3,630.51	3/4	3,326.96	3/4	3,023.39	3/4	2,719.81	3/4	2,416.24	3/4	2,112.66	3/4	1,809.09	
3	3	4,230.04	3	3,927.73	3	3,624.19	3	3,320.64	3	3,017.07	3	2,713.49	3	2,409.91	3	2,106.34	3	1,802.76	
1/4	1/4	4,223.78	1/4	3,921.41	1/4	3,617.86	1/4	3,314.32	1/4	3,010.74	1/4	2,707.17	1/4	2,403.59	1/4	2,100.01	1/4	1,796.44	
1/2	1/2	4,217.51	1/2	3,915.09	1/2	3,611.54	1/2	3,307.99	1/2	3,004.42	1/2	2,700.84	1/2	2,397.27	1/2	2,093.69	1/2	1,790.11	
3/4	3/4	4,211.25	3/4	3,908.76	3/4	3,605.22	3/4	3,301.67	3/4	2,998.09	3/4	2,694.52	3/4	2,390.94	3/4	2,087.36	3/4	1,783.79	
4	4	4,204.99	4	3,902.44	4	3,598.89	4	3,295.34	4	2,991.77	4	2,688.19	4	2,384.62	4	2,081.04	4	1,777.46	
1/4	1/4	4,198.73	1/4	3,896.11	1/4	3,592.57	1/4	3,289.02	1/4	2,985.44	1/4	2,681.87	1/4	2,378.29	1/4	2,074.72	1/4	1,771.14	
1/2	1/2	4,192.47	1/2	3,889.79	1/2	3,586.24	1/2	3,282.70	1/2	2,979.12	1/2	2,675.54	1/2	2,371.97	1/2	2,068.39	1/2	1,764.82	
3/4	3/4	4,186.20	3/4	3,883.47	3/4	3,579.92	3/4	3,276.37	3/4	2,972.79	3/4	2,669.22	3/4	2,365.64	3/4	2,062.07	3/4	1,758.49	
5	5	4,179.94	5	3,877.14	5	3,573.60	5	3,270.05	5	2,966.47	5	2,662.89	5	2,359.32	5	2,055.74	5	1,752.17	
1/4	1/4	4,173.68	1/4	3,870.82	1/4	3,567.27	1/4	3,263.72	1/4	2,960.15	1/4	2,656.57	1/4	2,352.99	1/4	2,049.42	1/4	1,745.84	
1/2	1/2	4,167.42	1/2	3,864.50	1/2	3,560.95	1/2	3,257.40	1/2	2,953.82	1/2	2,650.25	1/2	2,346.67	1/2	2,043.09	1/2	1,739.52	
3/4	3/4	4,161.16	3/4	3,858.17	3/4	3,554.62	3/4	3,251.07	3/4	2,947.50	3/4	2,643.92	3/4	2,340.34	3/4	2,036.77	3/4	1,733.19	
6	6	4,154.90	6	3,851.85	6	3,548.30	6	3,244.75	6	2,941.17	6	2,637.60	6	2,334.02	6	2,030.44	6	1,726.87	
1/4	1/4	4,148.63	1/4	3,845.52	1/4	3,541.98	1/4	3,238.42	1/4	2,934.85	1/4	2,631.27	1/4	2,327.70	1/4	2,024.12	1/4	1,720.54	
1/2	1/2	4,142.37	1/2	3,839.20	1/2	3,535.65	1/2	3,232.10	1/2	2,928.52	1/2	2,624.95	1/2	2,321.37	1/2	2,017.80	1/2	1,714.22	
3/4	3/4	4,136.11	3/4	3,832.88	3/4	3,529.33	3/4	3,225.77	3/4	2,922.20	3/4	2,618.62	3/4	2,315.05	3/4	2,011.47	3/4	1,707.89	
7	7	4,129.85	7	3,826.55	7	3,523.00	7	3,219.45	7	2,915.87	7	2,612.30	7	2,308.72	7	2,005.15	7	1,701.57	
1/4	1/4	4,123.59	1/4	3,820.23	1/4	3,516.68	1/4	3,213.13	1/4	2,909.55	1/4	2,605.97	1/4	2,302.40	1/4	1,998.82	1/4	1,695.25	
1/2	1/2	4,117.33	1/2	3,813.90	1/2	3,510.36	1/2	3,206.80	1/2	2,903.23	1/2	2,599.65	1/2	2,296.07	1/2	1,992.50	1/2	1,688.92	
3/4	3/4	4,111.07	3/4	3,807.58	3/4	3,504.03	3/4	3,200.48	3/4	2,896.90	3/4	2,593.32	3/4	2,289.75	3/4	1,986.17	3/4	1,682.60	
8	8	4,104.80	8	3,801.26	8	3,497.71	8	3,194.15	8	2,890.58	8	2,587.00	8	2,283.42	8	1,979.85	8	1,676.27	
1/4	1/4	4,098.48	1/4	3,794.93	1/4	3,491.39	1/4	3,187.83	1/4	2,884.25	1/4	2,580.68	1/4	2,277.10	1/4	1,973.52	1/4	1,669.95	
1/2	1/2	4,092.16	1/2	3,788.61	1/2	3,485.06	1/2	3,181.50	1/2	2,877.93	1/2	2,574.35	1/2	2,270.78	1/2	1,967.20	1/2	1,663.62	
3/4	3/4	4,085.83	3/4	3,782.28	3/4	3,478.74	3/4	3,175.18	3/4	2,871.60	3/4	2,568.03	3/4	2,264.45	3/4	1,960.87	3/4	1,657.30	
9	9	4,079.51	9	3,775.96	9	3,472.41	9	3,168.85	9	2,865.28	9	2,561.70	9	2,258.13	9	1,954.55	9	1,650.97	
1/4	1/4	4,073.18	1/4	3,769.64	1/4	3,466.09	1/4	3,162.53	1/4	2,858.95	1/4	2,555.38	1/4	2,251.80	1/4	1,948.23	1/4	1,644.65	
1/2	1/2	4,066.86	1/2	3,763.31	1/2	3,459.77	1/2	3,156.21	1/2	2,852.63	1/2	2,549.05	1/2	2,245.48	1/2	1,941.90	1/2	1,638.33	
3/4	3/4	4,060.54	3/4	3,756.99	3/4	3,453.44	3/4	3,149.88	3/4	2,846.30	3/4	2,542.73	3/4	2,239.15	3/4	1,935.58	3/4	1,632.00	
10	10	4,054.21	10	3,750.67	10	3,447.12	10	3,143.56	10	2,839.98	10	2,536.40	10	2,232.83	10	1,929.25	10	1,625.68	
1/4	1/4	4,047.89	1/4	3,744.34	1/4	3,440.79	1/4	3,137.23	1/4	2,833.66	1/4	2,530.08	1/4	2,226.50	1/4	1,922.93	1/4	1,619.35	
1/2	1/2	4,041.56	1/2	3,738.02	1/2	3,434.47	1/2	3,130.91	1/2	2,827.33	1/2	2,523.76	1/2	2,220.18	1/2	1,916.60	1/2	1,613.03	
3/4	3/4	4,035.24	3/4	3,731.69	3/4	3,428.15	3/4	3,124.58	3/4	2,821.01	3/4	2,517.43	3/4	2,213.85	3/4	1,910.28	3/4	1,606.70	
11	11	4,028.92	11	3,725.37	11	3,421.82	11	3,118.26	11	2,814.68	11	2,511.11	11	2,207.53	11	1,903.95	11	1,600.38	
1/4	1/4	4,022.59	1/4	3,719.05	1/4	3,415.50	1/4	3,111.93	1/4	2,808.36	1/4	2,504.78	1/4	2,201.21	1/4	1,897.63	1/4	1,594.05	
1/2	1/2	4,016.27	1/2	3,712.72	1/2	3,409.17	1/2	3,105.61	1/2	2,802.03	1/2	2,498.46	1/2	2,194.88	1/2	1,891.31	1/2	1,587.73	
3/4	3/4	4,009.95	3/4	3,706.40	3/4	3,402.85	3/4	3,099.28	3/4	2,795.71	3/4	2,492.13	3/4	2,188.56	3/4	1,884.98	3/4	1,581.40	

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.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "MM 308"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02"

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	1,575.08	0	1,273.10	0	969.52	0	666.12	0	362.56	0	61.91	0		0		0		0	
1/4	1,568.76	1/4	1,266.77	1/4	963.20	1/4	659.79	1/4	356.23	1/4	56.39	1/4		1/4		1/4		1/4	
1/2	1,562.43	1/2	1,260.45	1/2	956.88	1/2	653.47	1/2	349.91	1/2	50.87	1/2		1/2		1/2		1/2	
3/4	1,556.11	3/4	1,254.12	3/4	950.55	3/4	647.14	3/4	343.58	3/4	45.35	3/4		3/4		3/4		3/4	
1	1,549.78	1	1,247.80	1	944.23	1	640.82	1	337.26	1	39.84	1		1		1		1	
1/4	1,543.46	1/4	1,241.47	1/4	937.90	1/4	634.50	1/4	330.93	1/4	35.58	1/4		1/4		1/4		1/4	
1/2	1,537.13	1/2	1,235.15	1/2	931.58	1/2	628.17	1/2	324.61	1/2	31.32	1/2		1/2		1/2		1/2	
3/4	1,530.81	3/4	1,228.82	3/4	925.25	3/4	621.85	3/4	318.29	3/4	27.07	3/4		3/4		3/4		3/4	
2	1,524.48	2	1,222.50	2	918.93	2	615.52	2	311.96	2	22.81	2		2		2		2	
1/4	1,518.16	1/4	1,216.18	1/4	912.60	1/4	609.20	1/4	305.64	1/4		1/4		1/4		1/4		1/4	
1/2	1,511.84	1/2	1,209.85	1/2	906.28	1/2	602.87	1/2	299.31	1/2		1/2		1/2		1/2		1/2	
3/4	1,505.51	3/4	1,203.53	3/4	899.96	3/4	596.55	3/4	292.99	3/4		3/4		3/4		3/4		3/4	
3	1,499.19	3	1,197.20	3	893.63	3	590.23	3	286.66	3		3		3		3		3	
1/4	1,492.96	1/4	1,190.88	1/4	887.31	1/4	583.90	1/4	280.34	1/4		1/4		1/4		1/4		1/4	
1/2	1,486.74	1/2	1,184.55	1/2	880.99	1/2	577.58	1/2	274.02	1/2		1/2		1/2		1/2		1/2	
3/4	1,480.51	3/4	1,178.23	3/4	874.67	3/4	571.25	3/4	267.69	3/4		3/4		3/4		3/4		3/4	
4	1,474.29	4	1,171.90	4	868.35	4	564.93	4	261.37	4		4		4		4		4	
1/4	1,468.06	1/4	1,165.58	1/4	862.03	1/4	558.61	1/4	255.04	1/4		1/4		1/4		1/4		1/4	
1/2	1,461.84	1/2	1,159.26	1/2	855.72	1/2	552.28	1/2	248.72	1/2		1/2		1/2		1/2		1/2	
3/4	1,455.61	3/4	1,152.93	3/4	849.40	3/4	545.96	3/4	242.40	3/4		3/4		3/4		3/4		3/4	
5	1,449.38	5	1,146.61	5	843.08	5	539.63	5	236.07	5		5		5		5		5	
1/4	1,443.16	1/4	1,140.28	1/4	836.76	1/4	533.31	1/4	229.75	1/4		1/4		1/4		1/4		1/4	
1/2	1,436.93	1/2	1,133.96	1/2	830.44	1/2	526.98	1/2	223.42	1/2		1/2		1/2		1/2		1/2	
3/4	1,430.71	3/4	1,127.63	3/4	824.12	3/4	520.66	3/4	217.10	3/4		3/4		3/4		3/4		3/4	
6	1,424.48	6	1,121.31	6	817.80	6	514.34	6	210.77	6		6		6		6		6	
1/4	1,418.26	1/4	1,114.99	1/4	811.48	1/4	508.01	1/4	204.45	1/4		1/4		1/4		1/4		1/4	
1/2	1,412.03	1/2	1,108.66	1/2	805.16	1/2	501.69	1/2	198.13	1/2		1/2		1/2		1/2		1/2	
3/4	1,405.81	3/4	1,102.34	3/4	798.84	3/4	495.36	3/4	191.80	3/4		3/4		3/4		3/4		3/4	
7	1,399.58	7	1,096.01	7	792.52	7	489.04	7	185.48	7		7		7		7		7	
1/4	1,393.26	1/4	1,089.69	1/4	786.20	1/4	482.71	1/4	179.15	1/4		1/4		1/4		1/4		1/4	
1/2	1,386.93	1/2	1,083.36	1/2	779.88	1/2	476.39	1/2	172.83	1/2		1/2		1/2		1/2		1/2	
3/4	1,380.61	3/4	1,077.04	3/4	773.56	3/4	470.07	3/4	166.50	3/4		3/4		3/4		3/4		3/4	
8	1,374.29	8	1,070.71	8	767.25	8	463.74	8	160.18	8		8		8		8		8	
1/4	1,367.96	1/4	1,064.39	1/4	760.93	1/4	457.42	1/4	154.03	1/4		1/4		1/4		1/4		1/4	
1/2	1,361.64	1/2	1,058.07	1/2	754.61	1/2	451.09	1/2	147.87	1/2		1/2		1/2		1/2		1/2	
3/4	1,355.31	3/4	1,051.74	3/4	748.29	3/4	444.77	3/4	141.72	3/4		3/4		3/4		3/4		3/4	
9	1,348.99	9	1,045.42	9	741.97	9	438.45	9	135.57	9		9		9		9		9	
1/4	1,342.66	1/4	1,039.09	1/4	735.65	1/4	432.12	1/4	129.42	1/4		1/4		1/4		1/4		1/4	
1/2	1,336.34	1/2	1,032.77	1/2	729.33	1/2	425.80	1/2	123.27	1/2		1/2		1/2		1/2		1/2	
3/4	1,330.01	3/4	1,026.44	3/4	723.01	3/4	419.47	3/4	117.12	3/4		3/4		3/4		3/4		3/4	
10	1,323.69	10	1,020.12	10	716.69	10	413.15	10	110.96	10		10		10		10		10	
1/4	1,317.37	1/4	1,013.79	1/4	710.37	1/4	406.82	1/4	104.82	1/4		1/4		1/4		1/4		1/4	
1/2	1,311.04	1/2	1,007.47	1/2	704.05	1/2	400.50	1/2	98.68	1/2		1/2		1/2		1/2		1/2	
3/4	1,304.72	3/4	1,001.15	3/4	697.73	3/4	394.18	3/4	92.54	3/4		3/4		3/4		3/4		3/4	
11	1,298.39	11	994.82	11	691.41	11	387.85	11	86.39	11		11		11		11		11	
1/4	1,292.07	1/4	988.50	1/4	685.09	1/4	381.53	1/4	80.27	1/4		1/4		1/4		1/4		1/4	
1/2	1,285.74	1/2	982.17	1/2	678.77	1/2	375.20	1/2	74.15	1/2		1/2		1/2		1/2		1/2	
3/4	1,279.42	3/4	975.85	3/4	672.44	3/4	368.88	3/4	68.03	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/06/2015 CL
CALCULATED: 04/07/2015 CL
PRINTED: 04/07/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2015

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "MM 308"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-01 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	4,279.06	0	3,978.73	0	3,675.08	0	3,371.43	0	3,067.78	0	2,764.12	0	2,460.46	0	2,156.80	0	1,853.15		
1/4	1/4	4,273.43	1/4	3,972.40	1/4	3,668.75	1/4	3,365.10	1/4	3,061.45	1/4	2,757.79	1/4	2,454.13	1/4	2,150.48	1/4	1,846.82		
1/2	1/2	4,267.80	1/2	3,966.07	1/2	3,662.43	1/2	3,358.78	1/2	3,055.12	1/2	2,751.47	1/2	2,447.81	1/2	2,144.15	1/2	1,840.49		
3/4	3/4	4,261.57	3/4	3,959.75	3/4	3,656.10	3/4	3,352.45	3/4	3,048.80	3/4	2,745.14	3/4	2,441.48	3/4	2,137.82	3/4	1,834.17		
1	1	4,255.34	1	3,953.42	1	3,649.77	1	3,346.13	1	3,042.47	1	2,738.81	1	2,435.16	1	2,131.50	1	1,827.84		
1/4	1/4	4,249.10	1/4	3,947.10	1/4	3,643.45	1/4	3,339.80	1/4	3,036.14	1/4	2,732.49	1/4	2,428.83	1/4	2,125.17	1/4	1,821.51		
1/2	1/2	4,242.87	1/2	3,940.77	1/2	3,637.12	1/2	3,333.47	1/2	3,029.82	1/2	2,726.16	1/2	2,422.50	1/2	2,118.85	1/2	1,815.19		
3/4	3/4	4,236.62	3/4	3,934.44	3/4	3,630.80	3/4	3,327.15	3/4	3,023.49	3/4	2,719.83	3/4	2,416.18	3/4	2,112.52	3/4	1,808.86		
2	2	4,230.36	2	3,928.12	2	3,624.47	2	3,320.82	2	3,017.17	2	2,713.51	2	2,409.85	2	2,106.19	2	1,802.54		
1/4	1/4	4,224.11	1/4	3,921.79	1/4	3,618.14	1/4	3,314.50	1/4	3,010.84	1/4	2,707.18	1/4	2,403.52	1/4	2,099.87	1/4	1,796.21		
1/2	1/2	4,217.85	1/2	3,915.47	1/2	3,611.82	1/2	3,308.17	1/2	3,004.51	1/2	2,700.86	1/2	2,397.20	1/2	2,093.54	1/2	1,789.88		
3/4	3/4	4,211.59	3/4	3,909.14	3/4	3,605.49	3/4	3,301.84	3/4	2,998.19	3/4	2,694.53	3/4	2,390.87	3/4	2,087.21	3/4	1,783.56		
3	3	4,205.33	3	3,902.81	3	3,599.17	3	3,295.52	3	2,991.86	3	2,688.20	3	2,384.55	3	2,080.89	3	1,777.23		
1/4	1/4	4,199.06	1/4	3,896.49	1/4	3,592.84	1/4	3,289.19	1/4	2,985.53	1/4	2,681.88	1/4	2,378.22	1/4	2,074.56	1/4	1,770.90		
1/2	1/2	4,192.80	1/2	3,890.16	1/2	3,586.51	1/2	3,282.87	1/2	2,979.21	1/2	2,675.55	1/2	2,371.89	1/2	2,068.24	1/2	1,764.58		
3/4	3/4	4,186.54	3/4	3,883.84	3/4	3,580.19	3/4	3,276.54	3/4	2,972.88	3/4	2,669.22	3/4	2,365.57	3/4	2,061.91	3/4	1,758.25		
4	4	4,180.27	4	3,877.51	4	3,573.86	4	3,270.21	4	2,966.56	4	2,662.90	4	2,359.24	4	2,055.58	4	1,751.93		
1/4	1/4	4,174.01	1/4	3,871.18	1/4	3,567.54	1/4	3,263.89	1/4	2,960.23	1/4	2,656.57	1/4	2,352.91	1/4	2,049.26	1/4	1,745.60		
1/2	1/2	4,167.75	1/2	3,864.86	1/2	3,561.21	1/2	3,257.56	1/2	2,953.90	1/2	2,650.25	1/2	2,346.59	1/2	2,042.93	1/2	1,739.27		
3/4	3/4	4,161.49	3/4	3,858.53	3/4	3,554.88	3/4	3,251.24	3/4	2,947.58	3/4	2,643.92	3/4	2,340.26	3/4	2,036.60	3/4	1,732.95		
5	5	4,155.22	5	3,852.21	5	3,548.56	5	3,244.91	5	2,941.25	5	2,637.59	5	2,333.94	5	2,030.28	5	1,726.62		
1/4	1/4	4,148.96	1/4	3,845.88	1/4	3,542.23	1/4	3,238.58	1/4	2,934.93	1/4	2,631.27	1/4	2,327.61	1/4	2,023.95	1/4	1,720.29		
1/2	1/2	4,142.70	1/2	3,839.55	1/2	3,535.91	1/2	3,232.26	1/2	2,928.60	1/2	2,624.94	1/2	2,321.28	1/2	2,017.63	1/2	1,713.97		
3/4	3/4	4,136.43	3/4	3,833.23	3/4	3,529.58	3/4	3,225.93	3/4	2,922.27	3/4	2,618.62	3/4	2,314.96	3/4	2,011.30	3/4	1,707.64		
6	6	4,130.17	6	3,826.90	6	3,523.25	6	3,219.60	6	2,915.95	6	2,612.29	6	2,308.63	6	2,004.97	6	1,701.32		
1/4	1/4	4,123.91	1/4	3,820.58	1/4	3,516.93	1/4	3,213.28	1/4	2,909.62	1/4	2,605.96	1/4	2,302.31	1/4	1,998.65	1/4	1,694.99		
1/2	1/2	4,117.65	1/2	3,814.25	1/2	3,510.60	1/2	3,206.95	1/2	2,903.29	1/2	2,599.64	1/2	2,295.98	1/2	1,992.32	1/2	1,688.66		
3/4	3/4	4,111.38	3/4	3,807.92	3/4	3,504.28	3/4	3,200.63	3/4	2,896.97	3/4	2,593.31	3/4	2,289.65	3/4	1,986.00	3/4	1,682.34		
7	7	4,105.12	7	3,801.60	7	3,497.95	7	3,194.30	7	2,890.64	7	2,586.98	7	2,283.33	7	1,979.67	7	1,676.01		
1/4	1/4	4,098.86	1/4	3,795.27	1/4	3,491.62	1/4	3,187.97	1/4	2,884.32	1/4	2,580.66	1/4	2,277.00	1/4	1,973.34	1/4	1,669.69		
1/2	1/2	4,092.59	1/2	3,788.95	1/2	3,485.30	1/2	3,181.65	1/2	2,877.99	1/2	2,574.33	1/2	2,270.67	1/2	1,967.02	1/2	1,663.36		
3/4	3/4	4,086.27	3/4	3,782.62	3/4	3,478.97	3/4	3,175.32	3/4	2,871.66	3/4	2,568.01	3/4	2,264.35	3/4	1,960.69	3/4	1,657.03		
8	8	4,079.94	8	3,776.29	8	3,472.65	8	3,168.99	8	2,865.34	8	2,561.68	8	2,258.02	8	1,954.36	8	1,650.71		
1/4	1/4	4,073.62	1/4	3,769.97	1/4	3,466.32	1/4	3,162.67	1/4	2,859.01	1/4	2,555.35	1/4	2,251.70	1/4	1,948.04	1/4	1,644.38		
1/2	1/2	4,067.29	1/2	3,763.64	1/2	3,459.99	1/2	3,156.34	1/2	2,852.68	1/2	2,549.03	1/2	2,245.37	1/2	1,941.71	1/2	1,638.05		
3/4	3/4	4,060.96	3/4	3,757.32	3/4	3,453.67	3/4	3,150.02	3/4	2,846.36	3/4	2,542.70	3/4	2,239.04	3/4	1,935.39	3/4	1,631.73		
9	9	4,054.64	9	3,750.99	9	3,447.34	9	3,143.69	9	2,840.03	9	2,536.37	9	2,232.72	9	1,929.06	9	1,625.40		
1/4	1/4	4,048.31	1/4	3,744.66	1/4	3,441.02	1/4	3,137.36	1/4	2,833.71	1/4	2,530.05	1/4	2,226.39	1/4	1,922.73	1/4	1,619.08		
1/2	1/2	4,041.99	1/2	3,738.34	1/2	3,434.69	1/2	3,131.04	1/2	2,827.38	1/2	2,523.72	1/2	2,220.06	1/2	1,916.41	1/2	1,612.75		
3/4	3/4	4,035.66	3/4	3,732.01	3/4	3,428.36	3/4	3,124.71	3/4	2,821.05	3/4	2,517.40	3/4	2,213.74	3/4	1,910.08	3/4	1,606.42		
10	10	4,029.33	10	3,725.69	10	3,422.04	10	3,118.39	10	2,814.73	10	2,511.07	10	2,207.41	10	1,903.75	10	1,600.10		
1/4	1/4	4,023.01	1/4	3,719.36	1/4	3,415.71	1/4	3,112.06	1/4	2,808.40	1/4	2,504.74	1/4	2,201.09	1/4	1,897.43	1/4	1,593.77		
1/2	1/2	4,016.68	1/2	3,713.03	1/2	3,409.39	1/2	3,105.73	1/2	2,802.08	1/2	2,498.42	1/2	2,194.76	1/2	1,891.10	1/2	1,587.44		
3/4	3/4	4,010.36	3/4	3,706.71	3/4	3,403.06	3/4	3,099.41	3/4	2,795.75	3/4	2,492.09	3/4	2,188.43	3/4	1,884.78	3/4	1,581.12		
11	11	4,004.03	11	3,700.38	11	3,396.73	11	3,093.08	11	2,789.42	11	2,485.77	11	2,182.11	11	1,878.45	11	1,574.79		
1/4	1/4	3,997.70	1/4	3,694.06	1/4	3,390.41	1/4	3,086.75	1/4	2,783.10	1/4	2,479.44	1/4	2,175.78	1/4	1,872.12	1/4	1,568.47		
1/2	1/2	4,290.32	1/2	3,991.38	1/2	3,687.73	1/2	3,384.08	1/2	3,080.43	1/2	2,776.77	1/2	2,473.11	1/2	2,169.46	1/2	1,865.80	1/2	1,562.14
3/4	3/4	4,284.69	3/4	3,985.05	3/4	3,681.40	3/4	3,377.76	3/4	3,074.10	3/4	2,770.44	3/4	2,466.79	3/4	2,163.13	3/4	1,859.47	3/4	1,555.81

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.

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



BARGE "MM 308"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-01 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	1,549.49	0	1,247.42	0	945.43	0	653.66	0	350.01	0	50.89	0		0		0		0	
1/4	1,543.16	1/4	1,241.09	1/4	939.38	1/4	647.33	1/4	343.68	1/4	45.37	1/4		1/4		1/4		1/4	
1/2	1,536.84	1/2	1,234.76	1/2	933.34	1/2	641.00	1/2	337.36	1/2	39.85	1/2		1/2		1/2		1/2	
3/4	1,530.51	3/4	1,228.44	3/4	927.29	3/4	634.68	3/4	331.03	3/4	35.59	3/4		3/4		3/4		3/4	
1	1,524.18	1	1,222.11	1	921.24	1	628.35	1	324.70	1	31.33	1		1		1		1	
1/4	1,517.86	1/4	1,215.78	1/4	915.19	1/4	622.03	1/4	318.38	1/4	27.08	1/4		1/4		1/4		1/4	
1/2	1,511.53	1/2	1,209.46	1/2	909.15	1/2	615.70	1/2	312.05	1/2	22.82	1/2		1/2		1/2		1/2	
3/4	1,505.20	3/4	1,203.13	3/4	903.10	3/4	609.37	3/4	305.73	3/4		3/4		3/4		3/4		3/4	
2	1,498.88	2	1,196.81	2	897.05	2	603.05	2	299.40	2		2		2		2		2	
1/4	1,492.55	1/4	1,190.48	1/4	891.00	1/4	596.72	1/4	293.07	1/4		1/4		1/4		1/4		1/4	
1/2	1,486.23	1/2	1,184.15	1/2	884.96	1/2	590.40	1/2	286.75	1/2		1/2		1/2		1/2		1/2	
3/4	1,480.00	3/4	1,177.83	3/4	878.91	3/4	584.07	3/4	280.42	3/4		3/4		3/4		3/4		3/4	
3	1,473.77	3	1,171.50	3	872.87	3	577.74	3	274.10	3		3		3		3		3	
1/4	1,467.54	1/4	1,165.17	1/4	866.83	1/4	571.42	1/4	267.77	1/4		1/4		1/4		1/4		1/4	
1/2	1,461.32	1/2	1,158.85	1/2	860.79	1/2	565.09	1/2	261.44	1/2		1/2		1/2		1/2		1/2	
3/4	1,455.09	3/4	1,152.52	3/4	854.75	3/4	558.77	3/4	255.12	3/4		3/4		3/4		3/4		3/4	
4	1,448.86	4	1,146.20	4	848.70	4	552.44	4	248.79	4		4		4		4		4	
1/4	1,442.64	1/4	1,139.87	1/4	842.66	1/4	546.11	1/4	242.47	1/4		1/4		1/4		1/4		1/4	
1/2	1,436.41	1/2	1,133.54	1/2	836.62	1/2	539.79	1/2	236.14	1/2		1/2		1/2		1/2		1/2	
3/4	1,430.18	3/4	1,127.22	3/4	830.58	3/4	533.46	3/4	229.81	3/4		3/4		3/4		3/4		3/4	
5	1,423.95	5	1,120.89	5	824.54	5	527.14	5	223.49	5		5		5		5		5	
1/4	1,417.73	1/4	1,114.57	1/4	818.49	1/4	520.81	1/4	217.16	1/4		1/4		1/4		1/4		1/4	
1/2	1,411.50	1/2	1,108.24	1/2	812.45	1/2	514.48	1/2	210.84	1/2		1/2		1/2		1/2		1/2	
3/4	1,405.27	3/4	1,101.91	3/4	806.41	3/4	508.16	3/4	204.51	3/4		3/4		3/4		3/4		3/4	
6	1,399.05	6	1,095.59	6	800.37	6	501.83	6	198.18	6		6		6		6		6	
1/4	1,392.82	1/4	1,089.26	1/4	794.33	1/4	495.51	1/4	191.86	1/4		1/4		1/4		1/4		1/4	
1/2	1,386.59	1/2	1,082.93	1/2	788.28	1/2	489.18	1/2	185.53	1/2		1/2		1/2		1/2		1/2	
3/4	1,380.27	3/4	1,076.61	3/4	782.24	3/4	482.85	3/4	179.21	3/4		3/4		3/4		3/4		3/4	
7	1,373.94	7	1,070.28	7	776.20	7	476.53	7	172.88	7		7		7		7		7	
1/4	1,367.61	1/4	1,063.96	1/4	770.16	1/4	470.20	1/4	166.55	1/4		1/4		1/4		1/4		1/4	
1/2	1,361.29	1/2	1,057.63	1/2	764.12	1/2	463.88	1/2	160.23	1/2		1/2		1/2		1/2		1/2	
3/4	1,354.96	3/4	1,051.30	3/4	758.07	3/4	457.55	3/4	154.07	3/4		3/4		3/4		3/4		3/4	
8	1,348.63	8	1,044.98	8	752.03	8	451.22	8	147.92	8		8		8		8		8	
1/4	1,342.31	1/4	1,038.65	1/4	745.99	1/4	444.90	1/4	141.76	1/4		1/4		1/4		1/4		1/4	
1/2	1,335.98	1/2	1,032.32	1/2	739.95	1/2	438.57	1/2	135.61	1/2		1/2		1/2		1/2		1/2	
3/4	1,329.66	3/4	1,026.00	3/4	733.91	3/4	432.25	3/4	129.46	3/4		3/4		3/4		3/4		3/4	
9	1,323.33	9	1,019.67	9	727.86	9	425.92	9	123.30	9		9		9		9		9	
1/4	1,317.00	1/4	1,013.35	1/4	721.82	1/4	419.59	1/4	117.15	1/4		1/4		1/4		1/4		1/4	
1/2	1,310.68	1/2	1,007.02	1/2	715.78	1/2	413.27	1/2	111.00	1/2		1/2		1/2		1/2		1/2	
3/4	1,304.35	3/4	1,000.69	3/4	709.74	3/4	406.94	3/4	104.85	3/4		3/4		3/4		3/4		3/4	
10	1,298.03	10	994.37	10	703.70	10	400.62	10	98.71	10		10		10		10		10	
1/4	1,291.70	1/4	988.04	1/4	697.65	1/4	394.29	1/4	92.56	1/4		1/4		1/4		1/4		1/4	
1/2	1,285.37	1/2	981.72	1/2	691.61	1/2	387.96	1/2	86.42	1/2		1/2		1/2		1/2		1/2	
3/4	1,279.05	3/4	975.67	3/4	685.29	3/4	381.64	3/4	80.30	3/4		3/4		3/4		3/4		3/4	
11	1,272.72	11	969.62	11	678.96	11	375.31	11	74.17	11		11		11		11		11	
1/4	1,266.39	1/4	963.57	1/4	672.63	1/4	368.99	1/4	68.05	1/4		1/4		1/4		1/4		1/4	
1/2	1,260.07	1/2	957.53	1/2	666.31	1/2	362.66	1/2	61.93	1/2		1/2		1/2		1/2		1/2	
3/4	1,253.74	3/4	951.48	3/4	659.98	3/4	356.33	3/4	56.41	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/06/2015 CL
CALCULATED: 04/07/2015 CL
PRINTED: 04/07/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2015

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



BARGE "MM 308"

**2 STBD
ULLAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GUAGE HEIGHT 15'-02 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0	4,005.35	0	3,702.15	0	3,398.94	0	3,095.72	0	2,792.49	0	2,489.27	0	2,186.04	0	1,882.82		
1/4		1/4	4,297.54	1/4	3,999.04	1/4	3,695.83	1/4	3,392.62	1/4	3,089.40	1/4	2,786.18	1/4	2,482.95	1/4	2,179.73	1/4	1,876.50		
1/2		1/2	4,291.92	1/2	3,992.72	1/2	3,689.51	1/2	3,386.31	1/2	3,083.09	1/2	2,779.86	1/2	2,476.63	1/2	2,173.41	1/2	1,870.18		
3/4		3/4	4,286.30	3/4	3,986.40	3/4	3,683.20	3/4	3,379.99	3/4	3,076.77	3/4	2,773.54	3/4	2,470.32	3/4	2,167.09	3/4	1,863.87		
1		1	4,280.68	1	3,980.08	1	3,676.88	1	3,373.67	1	3,070.45	1	2,767.23	1	2,464.00	1	2,160.77	1	1,857.55		
1/4		1/4	4,275.06	1/4	3,973.77	1/4	3,670.56	1/4	3,367.36	1/4	3,064.13	1/4	2,760.91	1/4	2,457.68	1/4	2,154.46	1/4	1,851.23		
1/2		1/2	4,268.84	1/2	3,967.45	1/2	3,664.24	1/2	3,361.04	1/2	3,057.82	1/2	2,754.59	1/2	2,451.37	1/2	2,148.14	1/2	1,844.91		
3/4		3/4	4,262.61	3/4	3,961.13	3/4	3,657.93	3/4	3,354.72	3/4	3,051.50	3/4	2,748.27	3/4	2,445.05	3/4	2,141.82	3/4	1,838.60		
2		2	4,256.39	2	3,954.82	2	3,651.61	2	3,348.40	2	3,045.18	2	2,741.96	2	2,438.73	2	2,135.51	2	1,832.28		
1/4		1/4	4,250.16	1/4	3,948.50	1/4	3,645.29	1/4	3,342.09	1/4	3,038.87	1/4	2,735.64	1/4	2,432.41	1/4	2,129.19	1/4	1,825.96		
1/2		1/2	4,243.92	1/2	3,942.18	1/2	3,638.98	1/2	3,335.77	1/2	3,032.55	1/2	2,729.32	1/2	2,426.10	1/2	2,122.87	1/2	1,819.65		
3/4		3/4	4,237.67	3/4	3,935.87	3/4	3,632.66	3/4	3,329.45	3/4	3,026.23	3/4	2,723.01	3/4	2,419.78	3/4	2,116.55	3/4	1,813.33		
3		3	4,231.43	3	3,929.55	3	3,626.34	3	3,323.14	3	3,019.91	3	2,716.69	3	2,413.46	3	2,110.24	3	1,807.01		
1/4		1/4	4,225.18	1/4	3,923.23	1/4	3,620.03	1/4	3,316.82	1/4	3,013.60	1/4	2,710.37	1/4	2,407.15	1/4	2,103.92	1/4	1,800.69		
1/2		1/2	4,218.93	1/2	3,916.92	1/2	3,613.71	1/2	3,310.50	1/2	3,007.28	1/2	2,704.05	1/2	2,400.83	1/2	2,097.60	1/2	1,794.38		
3/4		3/4	4,212.68	3/4	3,910.60	3/4	3,607.39	3/4	3,304.19	3/4	3,000.96	3/4	2,697.74	3/4	2,394.51	3/4	2,091.29	3/4	1,788.06		
4		4	4,206.42	4	3,904.28	4	3,601.08	4	3,297.87	4	2,994.65	4	2,691.42	4	2,388.19	4	2,084.97	4	1,781.74		
1/4		1/4	4,200.17	1/4	3,897.97	1/4	3,594.76	1/4	3,291.55	1/4	2,988.33	1/4	2,685.10	1/4	2,381.88	1/4	2,078.65	1/4	1,775.43		
1/2		1/2	4,193.92	1/2	3,891.65	1/2	3,588.44	1/2	3,285.24	1/2	2,982.01	1/2	2,678.79	1/2	2,375.56	1/2	2,072.33	1/2	1,769.11		
3/4		3/4	4,187.66	3/4	3,885.33	3/4	3,582.13	3/4	3,278.92	3/4	2,975.69	3/4	2,672.47	3/4	2,369.24	3/4	2,066.02	3/4	1,762.79		
5		5	4,181.41	5	3,879.02	5	3,575.81	5	3,272.60	5	2,969.38	5	2,666.15	5	2,362.93	5	2,059.70	5	1,756.47		
1/4		1/4	4,175.15	1/4	3,872.70	1/4	3,569.49	1/4	3,266.28	1/4	2,963.06	1/4	2,659.83	1/4	2,356.61	1/4	2,053.38	1/4	1,750.16		
1/2		1/2	4,168.90	1/2	3,866.38	1/2	3,563.18	1/2	3,259.97	1/2	2,956.74	1/2	2,653.52	1/2	2,350.29	1/2	2,047.07	1/2	1,743.84		
3/4		3/4	4,162.65	3/4	3,860.07	3/4	3,556.86	3/4	3,253.65	3/4	2,950.42	3/4	2,647.20	3/4	2,343.97	3/4	2,040.75	3/4	1,737.52		
6		6	4,156.39	6	3,853.75	6	3,550.54	6	3,247.33	6	2,944.11	6	2,640.88	6	2,337.66	6	2,034.43	6	1,731.21		
1/4		1/4	4,150.14	1/4	3,847.43	1/4	3,544.23	1/4	3,241.02	1/4	2,937.79	1/4	2,634.56	1/4	2,331.34	1/4	2,028.11	1/4	1,724.89		
1/2		1/2	4,143.88	1/2	3,841.12	1/2	3,537.91	1/2	3,234.70	1/2	2,931.47	1/2	2,628.25	1/2	2,325.02	1/2	2,021.80	1/2	1,718.57		
3/4		3/4	4,137.63	3/4	3,834.80	3/4	3,531.59	3/4	3,228.38	3/4	2,925.16	3/4	2,621.93	3/4	2,318.70	3/4	2,015.48	3/4	1,712.25		
7		7	4,131.37	7	3,828.48	7	3,525.28	7	3,222.06	7	2,918.84	7	2,615.61	7	2,312.39	7	2,009.16	7	1,705.94		
1/4		1/4	4,125.12	1/4	3,822.16	1/4	3,518.96	1/4	3,215.75	1/4	2,912.52	1/4	2,609.30	1/4	2,306.07	1/4	2,002.84	1/4	1,699.62		
1/2		1/2	4,118.87	1/2	3,815.85	1/2	3,512.64	1/2	3,209.43	1/2	2,906.20	1/2	2,602.98	1/2	2,299.75	1/2	1,996.53	1/2	1,693.30		
3/4		3/4	4,112.61	3/4	3,809.53	3/4	3,506.32	3/4	3,203.11	3/4	2,899.89	3/4	2,596.66	3/4	2,293.44	3/4	1,990.21	3/4	1,686.98		
8		8	4,106.36	8	3,803.21	8	3,500.01	8	3,196.80	8	2,893.57	8	2,590.34	8	2,287.12	8	1,983.89	8	1,680.67		
1/4		1/4	4,100.10	1/4	3,796.90	1/4	3,493.69	1/4	3,190.48	1/4	2,887.25	1/4	2,584.03	1/4	2,280.80	1/4	1,977.58	1/4	1,674.35		
1/2		1/2	4,093.79	1/2	3,790.58	1/2	3,487.37	1/2	3,184.16	1/2	2,880.94	1/2	2,577.71	1/2	2,274.48	1/2	1,971.26	1/2	1,668.03		
3/4		3/4	4,087.47	3/4	3,784.26	3/4	3,481.06	3/4	3,177.84	3/4	2,874.62	3/4	2,571.39	3/4	2,268.17	3/4	1,964.94	3/4	1,661.72		
9		9	4,081.15	9	3,777.95	9	3,474.74	9	3,171.53	9	2,868.30	9	2,565.08	9	2,261.85	9	1,958.62	9	1,655.40		
1/4		1/4	4,074.84	1/4	3,771.63	1/4	3,468.42	1/4	3,165.21	1/4	2,861.98	1/4	2,558.76	1/4	2,255.53	1/4	1,952.31	1/4	1,649.08		
1/2		1/2	4,068.52	1/2	3,765.31	1/2	3,462.11	1/2	3,158.89	1/2	2,855.67	1/2	2,552.44	1/2	2,249.22	1/2	1,945.99	1/2	1,642.76		
3/4		3/4	4,062.20	3/4	3,759.00	3/4	3,455.79	3/4	3,152.58	3/4	2,849.35	3/4	2,546.12	3/4	2,242.90	3/4	1,939.67	3/4	1,636.45		
10		10	4,055.89	10	3,752.68	10	3,449.47	10	3,146.26	10	2,843.03	10	2,539.81	10	2,236.58	10	1,933.36	10	1,630.13		
1/4		1/4	4,049.57	1/4	3,746.36	1/4	3,443.16	1/4	3,139.94	1/4	2,836.72	1/4	2,533.49	1/4	2,230.26	1/4	1,927.04	1/4	1,623.81		
1/2		1/2	4,043.25	1/2	3,740.05	1/2	3,436.84	1/2	3,133.62	1/2	2,830.40	1/2	2,527.17	1/2	2,223.95	1/2	1,920.72	1/2	1,617.50		
3/4		3/4	4,036.94	3/4	3,733.73	3/4	3,430.52	3/4	3,127.31	3/4	2,824.08	3/4	2,520.86	3/4	2,217.63	3/4	1,914.40	3/4	1,611.18		
11		11	4,030.62	11	3,727.41	11	3,424.21	11	3,120.99	11	2,817.76	11	2,514.54	11	2,211.31	11	1,908.09	11	1,604.86		
1/4		1/4	4,024.30	1/4	3,721.10	1/4	3,417.89	1/4	3,114.67	1/4	2,811.45	1/4	2,508.22	1/4	2,205.00	1/4	1,901.77	1/4	1,598.54		
1/2		1/2	4,017.99	1/2	3,714.78	1/2	3,411.57	1/2	3,108.35	1/2	2,805.13	1/2	2,501.90	1/2	2,198.68	1/2	1,895.45	1/2	1,592.23		
3/4		3/4	4,011.67	3/4	3,708.46	3/4	3,405.26	3/4	3,102.04	3/4	2,798.81	3/4	2,495.59	3/4	2,192.36	3/4	1,889.14	3/4	1,585.91		

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



BARGE "MM 308"

2 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	1,579.59	0	1,277.96	0	974.73	0	671.67	0	368.46	0	67.95	0		0		0		0	
1/4	1,573.28	1/4	1,271.64	1/4	968.41	1/4	665.36	1/4	362.14	1/4	61.84	1/4		1/4		1/4		1/4	
1/2	1,566.96	1/2	1,265.32	1/2	962.10	1/2	659.04	1/2	355.82	1/2	56.33	1/2		1/2		1/2		1/2	
3/4	1,560.64	3/4	1,259.00	3/4	955.78	3/4	652.72	3/4	349.51	3/4	50.81	3/4		3/4		3/4		3/4	
1	1,554.32	1	1,252.69	1	949.46	1	646.41	1	343.19	1	45.30	1		1		1		1	
1/4	1,548.01	1/4	1,246.37	1/4	943.14	1/4	640.09	1/4	336.87	1/4	39.79	1/4		1/4		1/4		1/4	
1/2	1,541.69	1/2	1,240.05	1/2	936.83	1/2	633.77	1/2	330.56	1/2	35.54	1/2		1/2		1/2		1/2	
3/4	1,535.37	3/4	1,233.74	3/4	930.51	3/4	627.46	3/4	324.24	3/4	31.29	3/4		3/4		3/4		3/4	
2	1,529.05	2	1,227.42	2	924.19	2	621.14	2	317.92	2	27.04	2		2		2		2	
1/4	1,522.74	1/4	1,221.10	1/4	917.88	1/4	614.82	1/4	311.61	1/4	22.79	1/4		1/4		1/4		1/4	
1/2	1,516.42	1/2	1,214.78	1/2	911.56	1/2	608.50	1/2	305.29	1/2		1/2		1/2		1/2		1/2	
3/4	1,510.10	3/4	1,208.47	3/4	905.24	3/4	602.19	3/4	298.97	3/4		3/4		3/4		3/4		3/4	
3	1,503.79	3	1,202.15	3	898.92	3	595.87	3	292.65	3		3		3		3		3	
1/4	1,497.47	1/4	1,195.83	1/4	892.61	1/4	589.55	1/4	286.34	1/4		1/4		1/4		1/4		1/4	
1/2	1,491.25	1/2	1,189.51	1/2	886.29	1/2	583.24	1/2	280.02	1/2		1/2		1/2		1/2		1/2	
3/4	1,485.03	3/4	1,183.20	3/4	879.98	3/4	576.92	3/4	273.70	3/4		3/4		3/4		3/4		3/4	
4	1,478.82	4	1,176.88	4	873.67	4	570.60	4	267.39	4		4		4		4		4	
1/4	1,472.60	1/4	1,170.56	1/4	867.36	1/4	564.29	1/4	261.07	1/4		1/4		1/4		1/4		1/4	
1/2	1,466.38	1/2	1,164.25	1/2	861.05	1/2	557.97	1/2	254.75	1/2		1/2		1/2		1/2		1/2	
3/4	1,460.16	3/4	1,157.93	3/4	854.73	3/4	551.65	3/4	248.44	3/4		3/4		3/4		3/4		3/4	
5	1,453.94	5	1,151.61	5	848.42	5	545.33	5	242.12	5		5		5		5		5	
1/4	1,447.73	1/4	1,145.29	1/4	842.11	1/4	539.02	1/4	235.80	1/4		1/4		1/4		1/4		1/4	
1/2	1,441.51	1/2	1,138.98	1/2	835.80	1/2	532.70	1/2	229.48	1/2		1/2		1/2		1/2		1/2	
3/4	1,435.29	3/4	1,132.66	3/4	829.49	3/4	526.38	3/4	223.17	3/4		3/4		3/4		3/4		3/4	
6	1,429.07	6	1,126.34	6	823.18	6	520.07	6	216.85	6		6		6		6		6	
1/4	1,422.85	1/4	1,120.03	1/4	816.86	1/4	513.75	1/4	210.53	1/4		1/4		1/4		1/4		1/4	
1/2	1,416.64	1/2	1,113.71	1/2	810.55	1/2	507.43	1/2	204.22	1/2		1/2		1/2		1/2		1/2	
3/4	1,410.42	3/4	1,107.39	3/4	804.24	3/4	501.12	3/4	197.90	3/4		3/4		3/4		3/4		3/4	
7	1,404.20	7	1,101.07	7	797.93	7	494.80	7	191.58	7		7		7		7		7	
1/4	1,397.98	1/4	1,094.76	1/4	791.62	1/4	488.48	1/4	185.27	1/4		1/4		1/4		1/4		1/4	
1/2	1,391.67	1/2	1,088.44	1/2	785.30	1/2	482.16	1/2	178.95	1/2		1/2		1/2		1/2		1/2	
3/4	1,385.35	3/4	1,082.12	3/4	778.99	3/4	475.85	3/4	172.63	3/4		3/4		3/4		3/4		3/4	
8	1,379.03	8	1,075.81	8	772.68	8	469.53	8	166.31	8		8		8		8		8	
1/4	1,372.71	1/4	1,069.49	1/4	766.37	1/4	463.21	1/4	160.00	1/4		1/4		1/4		1/4		1/4	
1/2	1,366.40	1/2	1,063.17	1/2	760.06	1/2	456.90	1/2	153.85	1/2		1/2		1/2		1/2		1/2	
3/4	1,360.08	3/4	1,056.85	3/4	753.74	3/4	450.58	3/4	147.71	3/4		3/4		3/4		3/4		3/4	
9	1,353.76	9	1,050.54	9	747.43	9	444.26	9	141.56	9		9		9		9		9	
1/4	1,347.44	1/4	1,044.22	1/4	741.12	1/4	437.95	1/4	135.41	1/4		1/4		1/4		1/4		1/4	
1/2	1,341.13	1/2	1,037.90	1/2	734.81	1/2	431.63	1/2	129.27	1/2		1/2		1/2		1/2		1/2	
3/4	1,334.81	3/4	1,031.58	3/4	728.50	3/4	425.31	3/4	123.13	3/4		3/4		3/4		3/4		3/4	
10	1,328.49	10	1,025.27	10	722.19	10	418.99	10	116.98	10		10		10		10		10	
1/4	1,322.18	1/4	1,018.95	1/4	715.87	1/4	412.68	1/4	110.84	1/4		1/4		1/4		1/4		1/4	
1/2	1,315.86	1/2	1,012.63	1/2	709.56	1/2	406.36	1/2	104.70	1/2		1/2		1/2		1/2		1/2	
3/4	1,309.54	3/4	1,006.32	3/4	703.25	3/4	400.04	3/4	98.57	3/4		3/4		3/4		3/4		3/4	
11	1,303.22	11	1,000.00	11	696.94	11	393.73	11	92.43	11		11		11		11		11	
1/4	1,296.91	1/4	993.68	1/4	690.63	1/4	387.41	1/4	86.29	1/4		1/4		1/4		1/4		1/4	
1/2	1,290.59	1/2	987.36	1/2	684.31	1/2	381.09	1/2	80.18	1/2		1/2		1/2		1/2		1/2	
3/4	1,284.27	3/4	981.05	3/4	677.99	3/4	374.78	3/4	74.07	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/06/2015 CL
CALCULATED: 04/07/2015 CL
PRINTED: 04/07/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2015

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "MM 308"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-01 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	4,282.23	0	3,982.77	0	3,679.30	0	3,375.83	0	3,072.35	0	2,768.86	0	2,465.38	0	2,161.89	0	1,858.41	
1/4	1/4	4,276.61	1/4	3,976.45	1/4	3,672.97	1/4	3,369.50	1/4	3,066.02	1/4	2,762.54	1/4	2,459.05	1/4	2,155.57	1/4	1,852.08	
1/2	1/2	4,270.98	1/2	3,970.12	1/2	3,666.65	1/2	3,363.18	1/2	3,059.70	1/2	2,756.22	1/2	2,452.73	1/2	2,149.25	1/2	1,845.76	
3/4	3/4	4,265.36	3/4	3,963.80	3/4	3,660.33	3/4	3,356.86	3/4	3,053.38	3/4	2,749.89	3/4	2,446.41	3/4	2,142.92	3/4	1,839.44	
1	1	4,259.13	1	3,957.48	1	3,654.01	1	3,350.54	1	3,047.06	1	2,743.57	1	2,440.09	1	2,136.60	1	1,833.12	
1/4	1/4	4,252.90	1/4	3,951.16	1/4	3,647.69	1/4	3,344.22	1/4	3,040.73	1/4	2,737.25	1/4	2,433.76	1/4	2,130.28	1/4	1,826.79	
1/2	1/2	4,246.67	1/2	3,944.83	1/2	3,641.36	1/2	3,337.89	1/2	3,034.41	1/2	2,730.93	1/2	2,427.44	1/2	2,123.96	1/2	1,820.47	
3/4	3/4	4,240.44	3/4	3,938.51	3/4	3,635.04	3/4	3,331.57	3/4	3,028.09	3/4	2,724.60	3/4	2,421.12	3/4	2,117.63	3/4	1,814.15	
2	2	4,234.19	2	3,932.19	2	3,628.72	2	3,325.25	2	3,021.77	2	2,718.28	2	2,414.80	2	2,111.31	2	1,807.83	
1/4	1/4	4,227.94	1/4	3,925.87	1/4	3,622.40	1/4	3,318.93	1/4	3,015.44	1/4	2,711.96	1/4	2,408.47	1/4	2,104.99	1/4	1,801.50	
1/2	1/2	4,221.69	1/2	3,919.54	1/2	3,616.07	1/2	3,312.60	1/2	3,009.12	1/2	2,705.64	1/2	2,402.15	1/2	2,098.67	1/2	1,795.18	
3/4	3/4	4,215.44	3/4	3,913.22	3/4	3,609.75	3/4	3,306.28	3/4	3,002.80	3/4	2,699.31	3/4	2,395.83	3/4	2,092.34	3/4	1,788.86	
3	3	4,209.18	3	3,906.90	3	3,603.43	3	3,299.96	3	2,996.48	3	2,692.99	3	2,389.51	3	2,086.02	3	1,782.54	
1/4	1/4	4,202.92	1/4	3,900.58	1/4	3,597.11	1/4	3,293.64	1/4	2,990.15	1/4	2,686.67	1/4	2,383.18	1/4	2,079.70	1/4	1,776.21	
1/2	1/2	4,196.66	1/2	3,894.26	1/2	3,590.78	1/2	3,287.31	1/2	2,983.83	1/2	2,680.35	1/2	2,376.86	1/2	2,073.38	1/2	1,769.89	
3/4	3/4	4,190.40	3/4	3,887.93	3/4	3,584.46	3/4	3,280.99	3/4	2,977.51	3/4	2,674.02	3/4	2,370.54	3/4	2,067.05	3/4	1,763.57	
4	4	4,184.14	4	3,881.61	4	3,578.14	4	3,274.67	4	2,971.18	4	2,667.70	4	2,364.22	4	2,060.73	4	1,757.25	
1/4	1/4	4,177.88	1/4	3,875.29	1/4	3,571.82	1/4	3,268.35	1/4	2,964.86	1/4	2,661.38	1/4	2,357.89	1/4	2,054.41	1/4	1,750.92	
1/2	1/2	4,171.62	1/2	3,868.97	1/2	3,565.50	1/2	3,262.02	1/2	2,958.54	1/2	2,655.05	1/2	2,351.57	1/2	2,048.09	1/2	1,744.60	
3/4	3/4	4,165.36	3/4	3,862.64	3/4	3,559.17	3/4	3,255.70	3/4	2,952.22	3/4	2,648.73	3/4	2,345.25	3/4	2,041.76	3/4	1,738.28	
5	5	4,159.10	5	3,856.32	5	3,552.85	5	3,249.38	5	2,945.89	5	2,642.41	5	2,338.92	5	2,035.44	5	1,731.96	
1/4	1/4	4,152.84	1/4	3,850.00	1/4	3,546.53	1/4	3,243.06	1/4	2,939.57	1/4	2,636.09	1/4	2,332.60	1/4	2,029.12	1/4	1,725.63	
1/2	1/2	4,146.58	1/2	3,843.68	1/2	3,540.21	1/2	3,236.73	1/2	2,933.25	1/2	2,629.76	1/2	2,326.28	1/2	2,022.79	1/2	1,719.31	
3/4	3/4	4,140.32	3/4	3,837.35	3/4	3,533.88	3/4	3,230.41	3/4	2,926.93	3/4	2,623.44	3/4	2,319.96	3/4	2,016.47	3/4	1,712.99	
6	6	4,134.06	6	3,831.03	6	3,527.56	6	3,224.09	6	2,920.60	6	2,617.12	6	2,313.63	6	2,010.15	6	1,706.66	
1/4	1/4	4,127.80	1/4	3,824.71	1/4	3,521.24	1/4	3,217.77	1/4	2,914.28	1/4	2,610.80	1/4	2,307.31	1/4	2,003.83	1/4	1,700.34	
1/2	1/2	4,121.54	1/2	3,818.39	1/2	3,514.92	1/2	3,211.44	1/2	2,907.96	1/2	2,604.47	1/2	2,300.99	1/2	1,997.50	1/2	1,694.02	
3/4	3/4	4,115.28	3/4	3,812.07	3/4	3,508.59	3/4	3,205.12	3/4	2,901.64	3/4	2,598.15	3/4	2,294.67	3/4	1,991.18	3/4	1,687.70	
7	7	4,109.02	7	3,805.74	7	3,502.27	7	3,198.80	7	2,895.31	7	2,591.83	7	2,288.34	7	1,984.86	7	1,681.37	
1/4	1/4	4,102.77	1/4	3,799.42	1/4	3,495.95	1/4	3,192.48	1/4	2,888.99	1/4	2,585.51	1/4	2,282.02	1/4	1,978.54	1/4	1,675.05	
1/2	1/2	4,096.51	1/2	3,793.10	1/2	3,489.63	1/2	3,186.15	1/2	2,882.67	1/2	2,579.18	1/2	2,275.70	1/2	1,972.21	1/2	1,668.73	
3/4	3/4	4,090.25	3/4	3,786.78	3/4	3,483.31	3/4	3,179.83	3/4	2,876.35	3/4	2,572.86	3/4	2,269.38	3/4	1,965.89	3/4	1,662.41	
8	8	4,083.92	8	3,780.45	8	3,476.98	8	3,173.51	8	2,870.02	8	2,566.54	8	2,263.05	8	1,959.57	8	1,656.08	
1/4	1/4	4,077.60	1/4	3,774.13	1/4	3,470.66	1/4	3,167.19	1/4	2,863.70	1/4	2,560.22	1/4	2,256.73	1/4	1,953.25	1/4	1,649.76	
1/2	1/2	4,071.28	1/2	3,767.81	1/2	3,464.34	1/2	3,160.86	1/2	2,857.38	1/2	2,553.89	1/2	2,250.41	1/2	1,946.92	1/2	1,643.44	
3/4	3/4	4,064.96	3/4	3,761.49	3/4	3,458.02	3/4	3,154.54	3/4	2,851.06	3/4	2,547.57	3/4	2,244.09	3/4	1,940.60	3/4	1,637.12	
9	9	4,058.63	9	3,755.16	9	3,451.69	9	3,148.22	9	2,844.73	9	2,541.25	9	2,237.76	9	1,934.28	9	1,630.79	
1/4	1/4	4,052.31	1/4	3,748.84	1/4	3,445.37	1/4	3,141.89	1/4	2,838.41	1/4	2,534.93	1/4	2,231.44	1/4	1,927.96	1/4	1,624.47	
1/2	1/2	4,045.99	1/2	3,742.52	1/2	3,439.05	1/2	3,135.57	1/2	2,832.09	1/2	2,528.60	1/2	2,225.12	1/2	1,921.63	1/2	1,618.15	
3/4	3/4	4,039.67	3/4	3,736.20	3/4	3,432.73	3/4	3,129.25	3/4	2,825.76	3/4	2,522.28	3/4	2,218.80	3/4	1,915.31	3/4	1,611.83	
10	10	4,033.35	10	3,729.88	10	3,426.40	10	3,122.93	10	2,819.44	10	2,515.96	10	2,212.47	10	1,908.99	10	1,605.50	
1/4	1/4	4,027.02	1/4	3,723.55	1/4	3,420.08	1/4	3,116.60	1/4	2,813.12	1/4	2,509.63	1/4	2,206.15	1/4	1,902.67	1/4	1,599.18	
1/2	1/2	4,020.70	1/2	3,717.23	1/2	3,413.76	1/2	3,110.28	1/2	2,806.80	1/2	2,503.31	1/2	2,199.83	1/2	1,896.34	1/2	1,592.86	
3/4	3/4	4,014.38	3/4	3,710.91	3/4	3,407.44	3/4	3,103.96	3/4	2,800.47	3/4	2,496.99	3/4	2,193.50	3/4	1,890.02	3/4	1,586.54	
11	11	4,008.06	11	3,704.59	11	3,401.12	11	3,097.64	11	2,794.15	11	2,490.67	11	2,187.18	11	1,883.70	11	1,580.21	
1/4	1/4	4,001.73	1/4	3,698.26	1/4	3,394.79	1/4	3,091.31	1/4	2,787.83	1/4	2,484.34	1/4	2,180.86	1/4	1,877.37	1/4	1,573.89	
1/2	1/2	3,995.41	1/2	3,691.94	1/2	3,388.47	1/2	3,084.99	1/2	2,781.51	1/2	2,478.02	1/2	2,174.54	1/2	1,871.05	1/2	1,567.57	
3/4	3/4	4,287.86	3/4	3,989.09	3/4	3,685.62	3/4	3,382.15	3/4	3,078.67	3/4	2,775.18	3/4	2,471.70	3/4	2,168.21	3/4	1,561.24	

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.**

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



BARGE "MM 308"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-01 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	1,554.92	0	1,253.02	0	950.93	0	659.61	0	356.13	0	56.37	0		0		0		0	
1/4	1,548.60	1/4	1,246.70	1/4	944.89	1/4	653.28	1/4	349.81	1/4	50.86	1/4		1/4		1/4		1/4	
1/2	1,542.28	1/2	1,240.38	1/2	938.85	1/2	646.96	1/2	343.49	1/2	45.34	1/2		1/2		1/2		1/2	
3/4	1,535.95	3/4	1,234.06	3/4	932.80	3/4	640.64	3/4	337.16	3/4	39.82	3/4		3/4		3/4		3/4	
1	1,529.63	1	1,227.73	1	926.76	1	634.32	1	330.84	1	35.57	1		1		1		1	
1/4	1,523.31	1/4	1,221.41	1/4	920.71	1/4	627.99	1/4	324.52	1/4	31.32	1/4		1/4		1/4		1/4	
1/2	1,516.99	1/2	1,215.09	1/2	914.67	1/2	621.67	1/2	318.20	1/2	27.06	1/2		1/2		1/2		1/2	
3/4	1,510.66	3/4	1,208.77	3/4	908.63	3/4	615.35	3/4	311.87	3/4	22.81	3/4		3/4		3/4		3/4	
2	1,504.34	2	1,202.44	2	902.58	2	609.03	2	305.55	2		2		2		2		2	
1/4	1,498.02	1/4	1,196.12	1/4	896.54	1/4	602.70	1/4	299.23	1/4		1/4		1/4		1/4		1/4	
1/2	1,491.70	1/2	1,189.80	1/2	890.49	1/2	596.38	1/2	292.91	1/2		1/2		1/2		1/2		1/2	
3/4	1,485.37	3/4	1,183.48	3/4	884.45	3/4	590.06	3/4	286.58	3/4		3/4		3/4		3/4		3/4	
3	1,479.15	3	1,177.15	3	878.41	3	583.74	3	280.26	3		3		3		3		3	
1/4	1,472.93	1/4	1,170.83	1/4	872.37	1/4	577.42	1/4	273.94	1/4		1/4		1/4		1/4		1/4	
1/2	1,466.70	1/2	1,164.51	1/2	866.33	1/2	571.09	1/2	267.62	1/2		1/2		1/2		1/2		1/2	
3/4	1,460.48	3/4	1,158.19	3/4	860.30	3/4	564.77	3/4	261.30	3/4		3/4		3/4		3/4		3/4	
4	1,454.26	4	1,151.86	4	854.26	4	558.45	4	254.97	4		4		4		4		4	
1/4	1,448.03	1/4	1,145.54	1/4	848.22	1/4	552.13	1/4	248.65	1/4		1/4		1/4		1/4		1/4	
1/2	1,441.81	1/2	1,139.22	1/2	842.18	1/2	545.80	1/2	242.33	1/2		1/2		1/2		1/2		1/2	
3/4	1,435.59	3/4	1,132.90	3/4	836.14	3/4	539.48	3/4	236.01	3/4		3/4		3/4		3/4		3/4	
5	1,429.36	5	1,126.57	5	830.10	5	533.16	5	229.68	5		5		5		5		5	
1/4	1,423.14	1/4	1,120.25	1/4	824.07	1/4	526.84	1/4	223.36	1/4		1/4		1/4		1/4		1/4	
1/2	1,416.92	1/2	1,113.93	1/2	818.03	1/2	520.51	1/2	217.04	1/2		1/2		1/2		1/2		1/2	
3/4	1,410.69	3/4	1,107.60	3/4	811.99	3/4	514.19	3/4	210.72	3/4		3/4		3/4		3/4		3/4	
6	1,404.47	6	1,101.28	6	805.95	6	507.87	6	204.39	6		6		6		6		6	
1/4	1,398.25	1/4	1,094.96	1/4	799.91	1/4	501.55	1/4	198.07	1/4		1/4		1/4		1/4		1/4	
1/2	1,392.02	1/2	1,088.64	1/2	793.87	1/2	495.22	1/2	191.75	1/2		1/2		1/2		1/2		1/2	
3/4	1,385.80	3/4	1,082.31	3/4	787.83	3/4	488.90	3/4	185.43	3/4		3/4		3/4		3/4		3/4	
7	1,379.48	7	1,075.99	7	781.80	7	482.58	7	179.10	7		7		7		7		7	
1/4	1,373.15	1/4	1,069.67	1/4	775.76	1/4	476.26	1/4	172.78	1/4		1/4		1/4		1/4		1/4	
1/2	1,366.83	1/2	1,063.35	1/2	769.72	1/2	469.93	1/2	166.46	1/2		1/2		1/2		1/2		1/2	
3/4	1,360.51	3/4	1,057.02	3/4	763.68	3/4	463.61	3/4	160.14	3/4		3/4		3/4		3/4		3/4	
8	1,354.19	8	1,050.70	8	757.64	8	457.29	8	153.99	8		8		8		8		8	
1/4	1,347.86	1/4	1,044.38	1/4	751.60	1/4	450.97	1/4	147.83	1/4		1/4		1/4		1/4		1/4	
1/2	1,341.54	1/2	1,038.06	1/2	745.56	1/2	444.64	1/2	141.68	1/2		1/2		1/2		1/2		1/2	
3/4	1,335.22	3/4	1,031.73	3/4	739.53	3/4	438.32	3/4	135.53	3/4		3/4		3/4		3/4		3/4	
9	1,328.90	9	1,025.41	9	733.49	9	432.00	9	129.38	9		9		9		9		9	
1/4	1,322.57	1/4	1,019.09	1/4	727.45	1/4	425.68	1/4	123.23	1/4		1/4		1/4		1/4		1/4	
1/2	1,316.25	1/2	1,012.77	1/2	721.41	1/2	419.36	1/2	117.08	1/2		1/2		1/2		1/2		1/2	
3/4	1,309.93	3/4	1,006.44	3/4	715.37	3/4	413.03	3/4	110.93	3/4		3/4		3/4		3/4		3/4	
10	1,303.61	10	1,000.12	10	709.33	10	406.71	10	104.79	10		10		10		10		10	
1/4	1,297.28	1/4	993.80	1/4	703.30	1/4	400.39	1/4	98.65	1/4		1/4		1/4		1/4		1/4	
1/2	1,290.96	1/2	987.48	1/2	697.26	1/2	394.07	1/2	92.51	1/2		1/2		1/2		1/2		1/2	
3/4	1,284.64	3/4	981.15	3/4	691.22	3/4	387.74	3/4	86.37	3/4		3/4		3/4		3/4		3/4	
11	1,278.32	11	975.11	11	684.90	11	381.42	11	80.25	11		11		11		11		11	
1/4	1,271.99	1/4	969.07	1/4	678.57	1/4	375.10	1/4	74.13	1/4		1/4		1/4		1/4		1/4	
1/2	1,265.67	1/2	963.02	1/2	672.25	1/2	368.78	1/2	68.01	1/2		1/2		1/2		1/2		1/2	
3/4	1,259.35	3/4	956.98	3/4	666.93	3/4	362.45	3/4	61.89	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/06/2015 CL
CALCULATED: 04/07/2015 CL
PRINTED: 04/07/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2015

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



BARGE "MM 308"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-01 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	3,449.38	0	3,204.84	0	2,957.02	0	2,709.20	0	2,461.37	0	2,213.54	0	1,965.70	0	1,717.87	0	1,470.04	
1/4		3,444.79	1/4	3,199.68	1/4	2,951.86	1/4	2,704.04	1/4	2,456.21	1/4	2,208.37	1/4	1,960.54	1/4	1,712.71	1/4	1,464.87	
1/2		3,440.19	1/2	3,194.51	1/2	2,946.69	1/2	2,698.87	1/2	2,451.04	1/2	2,203.21	1/2	1,955.38	1/2	1,707.54	1/2	1,459.71	
3/4		3,435.60	3/4	3,189.35	3/4	2,941.53	3/4	2,693.71	3/4	2,445.88	3/4	2,198.05	3/4	1,950.21	3/4	1,702.38	3/4	1,454.55	
1	1	3,430.51	1	3,184.19	1	2,936.37	1	2,688.55	1	2,440.72	1	2,192.88	1	1,945.05	1	1,697.22	1	1,449.38	
1/4		3,425.43	1/4	3,179.02	1/4	2,931.20	1/4	2,683.39	1/4	2,435.55	1/4	2,187.72	1/4	1,939.89	1/4	1,692.05	1/4	1,444.22	
1/2		3,420.34	1/2	3,173.86	1/2	2,926.04	1/2	2,678.22	1/2	2,430.39	1/2	2,182.56	1/2	1,934.72	1/2	1,686.89	1/2	1,439.06	
3/4		3,415.25	3/4	3,168.70	3/4	2,920.88	3/4	2,673.06	3/4	2,425.23	3/4	2,177.39	3/4	1,929.56	3/4	1,681.73	3/4	1,433.89	
2	2	3,410.15	2	3,163.53	2	2,915.72	2	2,667.90	2	2,420.06	2	2,172.23	2	1,924.40	2	1,676.56	2	1,428.73	
1/4		3,405.04	1/4	3,158.37	1/4	2,910.55	1/4	2,662.73	1/4	2,414.90	1/4	2,167.07	1/4	1,919.23	1/4	1,671.40	1/4	1,423.57	
1/2		3,399.94	1/2	3,153.21	1/2	2,905.39	1/2	2,657.57	1/2	2,409.74	1/2	2,161.90	1/2	1,914.07	1/2	1,666.24	1/2	1,418.40	
3/4		3,394.83	3/4	3,148.05	3/4	2,900.23	3/4	2,652.41	3/4	2,404.58	3/4	2,156.74	3/4	1,908.91	3/4	1,661.07	3/4	1,413.24	
3	3	3,389.72	3	3,142.88	3	2,895.06	3	2,647.24	3	2,399.41	3	2,151.58	3	1,903.74	3	1,655.91	3	1,408.08	
1/4		3,384.61	1/4	3,137.72	1/4	2,889.90	1/4	2,642.08	1/4	2,394.25	1/4	2,146.42	1/4	1,898.58	1/4	1,650.75	1/4	1,402.91	
1/2		3,379.50	1/2	3,132.56	1/2	2,884.74	1/2	2,636.92	1/2	2,389.09	1/2	2,141.25	1/2	1,893.42	1/2	1,645.58	1/2	1,397.75	
3/4		3,374.39	3/4	3,127.39	3/4	2,879.58	3/4	2,631.76	3/4	2,383.92	3/4	2,136.09	3/4	1,888.26	3/4	1,640.42	3/4	1,392.59	
4	4	3,369.28	4	3,122.23	4	2,874.41	4	2,626.59	4	2,378.76	4	2,130.93	4	1,883.09	4	1,635.26	4	1,387.42	
1/4		3,364.17	1/4	3,117.07	1/4	2,869.25	1/4	2,621.43	1/4	2,373.60	1/4	2,125.76	1/4	1,877.93	1/4	1,630.10	1/4	1,382.26	
1/2		3,359.06	1/2	3,111.91	1/2	2,864.09	1/2	2,616.27	1/2	2,368.43	1/2	2,120.60	1/2	1,872.77	1/2	1,624.93	1/2	1,377.10	
3/4		3,353.95	3/4	3,106.74	3/4	2,858.92	3/4	2,611.10	3/4	2,363.27	3/4	2,115.44	3/4	1,867.60	3/4	1,619.77	3/4	1,371.94	
5	5	3,348.83	5	3,101.58	5	2,853.76	5	2,605.94	5	2,358.11	5	2,110.27	5	1,862.44	5	1,614.61	5	1,366.77	
1/4		3,343.72	1/4	3,096.42	1/4	2,848.60	1/4	2,600.78	1/4	2,352.94	1/4	2,105.11	1/4	1,857.28	1/4	1,609.44	1/4	1,361.61	
1/2		3,338.61	1/2	3,091.25	1/2	2,843.43	1/2	2,595.61	1/2	2,347.78	1/2	2,099.95	1/2	1,852.11	1/2	1,604.28	1/2	1,356.45	
3/4		3,333.50	3/4	3,086.09	3/4	2,838.27	3/4	2,590.45	3/4	2,342.62	3/4	2,094.78	3/4	1,846.95	3/4	1,599.12	3/4	1,351.28	
6	6	3,328.39	6	3,080.93	6	2,833.11	6	2,585.29	6	2,337.45	6	2,089.62	6	1,841.79	6	1,593.95	6	1,346.12	
1/4		3,323.28	1/4	3,075.77	1/4	2,827.95	1/4	2,580.12	1/4	2,332.29	1/4	2,084.46	1/4	1,836.62	1/4	1,588.79	1/4	1,340.96	
1/2		3,318.17	1/2	3,070.60	1/2	2,822.78	1/2	2,574.96	1/2	2,327.13	1/2	2,079.29	1/2	1,831.46	1/2	1,583.63	1/2	1,335.79	
3/4		3,313.05	3/4	3,065.44	3/4	2,817.62	3/4	2,569.80	3/4	2,321.96	3/4	2,074.13	3/4	1,826.30	3/4	1,578.46	3/4	1,330.63	
7	7	3,307.94	7	3,060.28	7	2,812.46	7	2,564.63	7	2,316.80	7	2,068.97	7	1,821.13	7	1,573.30	7	1,325.47	
1/4		3,302.83	1/4	3,055.11	1/4	2,807.29	1/4	2,559.47	1/4	2,311.64	1/4	2,063.80	1/4	1,815.97	1/4	1,568.14	1/4	1,320.30	
1/2		3,297.72	1/2	3,049.95	1/2	2,802.13	1/2	2,554.31	1/2	2,306.47	1/2	2,058.64	1/2	1,810.81	1/2	1,562.97	1/2	1,315.14	
3/4		3,292.61	3/4	3,044.79	3/4	2,796.97	3/4	2,549.14	3/4	2,301.31	3/4	2,053.48	3/4	1,805.64	3/4	1,557.81	3/4	1,309.98	
8	8	3,287.44	8	3,039.63	8	2,791.81	8	2,543.98	8	2,296.15	8	2,048.31	8	1,800.48	8	1,552.65	8	1,304.81	
1/4		3,282.28	1/4	3,034.46	1/4	2,786.64	1/4	2,538.82	1/4	2,290.98	1/4	2,043.15	1/4	1,795.32	1/4	1,547.48	1/4	1,299.65	
1/2		3,277.12	1/2	3,029.30	1/2	2,781.48	1/2	2,533.66	1/2	2,285.82	1/2	2,037.99	1/2	1,790.15	1/2	1,542.32	1/2	1,294.49	
3/4		3,271.96	3/4	3,024.14	3/4	2,776.32	3/4	2,528.49	3/4	2,280.66	3/4	2,032.82	3/4	1,784.99	3/4	1,537.16	3/4	1,289.32	
9	9	3,266.79	9	3,018.97	9	2,771.15	9	2,523.33	9	2,275.50	9	2,027.66	9	1,779.83	9	1,531.99	9	1,284.16	
1/4		3,261.63	1/4	3,013.81	1/4	2,765.99	1/4	2,518.17	1/4	2,270.33	1/4	2,022.50	1/4	1,774.66	1/4	1,526.83	1/4	1,279.00	
1/2		3,256.47	1/2	3,008.65	1/2	2,760.83	1/2	2,513.00	1/2	2,265.17	1/2	2,017.34	1/2	1,769.50	1/2	1,521.67	1/2	1,273.83	
3/4		3,251.30	3/4	3,003.48	3/4	2,755.67	3/4	2,507.84	3/4	2,260.01	3/4	2,012.17	3/4	1,764.34	3/4	1,516.50	3/4	1,268.67	
10	10	3,246.14	10	2,998.32	10	2,750.50	10	2,502.68	10	2,254.84	10	2,007.01	10	1,759.18	10	1,511.34	10	1,263.51	
1/4		3,240.98	1/4	2,993.16	1/4	2,745.34	1/4	2,497.51	1/4	2,249.68	1/4	2,001.85	1/4	1,754.01	1/4	1,506.18	1/4	1,258.34	
1/2		3,235.82	1/2	2,988.00	1/2	2,740.18	1/2	2,492.35	1/2	2,244.52	1/2	1,996.68	1/2	1,748.85	1/2	1,501.02	1/2	1,253.18	
3/4		3,230.65	3/4	2,982.83	3/4	2,735.01	3/4	2,487.19	3/4	2,239.35	3/4	1,991.52	3/4	1,743.69	3/4	1,495.85	3/4	1,248.02	
11	11	3,225.49	11	2,977.67	11	2,729.85	11	2,482.02	11	2,234.19	11	1,986.36	11	1,738.52	11	1,490.69	11	1,242.86	
1/4		3,220.33	1/4	2,972.51	1/4	2,724.69	1/4	2,476.86	1/4	2,229.03	1/4	1,981.19	1/4	1,733.36	1/4	1,485.53	1/4	1,237.69	
1/2		3,215.16	1/2	2,967.34	1/2	2,719.53	1/2	2,471.70	1/2	2,223.86	1/2	1,976.03	1/2	1,728.20	1/2	1,480.36	1/2	1,232.53	
3/4		3,453.98	3/4	3,210.00	3/4	2,962.18	3/4	2,714.36	3/4	2,466.53	3/4	2,218.70	3/4	1,970.87	3/4	1,723.03	3/4	1,227.37	

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 29'-06" FORWARD OF AFT BULKHEAD
 GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 31'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
 & ANALYSIS, INC.

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



BARGE "MM 308"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-01 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	1,222.20	0	974.76	0	726.93	0	479.27	0	234.45	0	33.75	0		0		0		0	
1/4	1,217.04	1/4	969.60	1/4	721.77	1/4	474.11	1/4	229.68	1/4	30.74	1/4		1/4		1/4		1/4	
1/2	1,211.88	1/2	964.44	1/2	716.60	1/2	468.94	1/2	224.91	1/2	27.72	1/2		1/2		1/2		1/2	
3/4	1,206.71	3/4	959.27	3/4	711.44	3/4	463.78	3/4	220.13	3/4	24.71	3/4		3/4		3/4		3/4	
1	1,201.55	1	954.11	1	706.28	1	458.62	1	215.45	1	22.82	1		1		1		1	
1/4	1,196.39	1/4	948.95	1/4	701.11	1/4	453.45	1/4	210.77	1/4	20.93	1/4		1/4		1/4		1/4	
1/2	1,191.22	1/2	943.78	1/2	695.95	1/2	448.29	1/2	206.09	1/2	19.04	1/2		1/2		1/2		1/2	
3/4	1,186.06	3/4	938.62	3/4	690.79	3/4	443.13	3/4	201.41	3/4	17.15	3/4		3/4		3/4		3/4	
2	1,180.90	2	933.46	2	685.62	2	437.97	2	196.82	2		2		2		2		2	
1/4	1,175.73	1/4	928.29	1/4	680.46	1/4	432.80	1/4	192.23	1/4		1/4		1/4		1/4		1/4	
1/2	1,170.57	1/2	923.13	1/2	675.30	1/2	427.64	1/2	187.64	1/2		1/2		1/2		1/2		1/2	
3/4	1,165.41	3/4	917.97	3/4	670.13	3/4	422.48	3/4	183.06	3/4		3/4		3/4		3/4		3/4	
3	1,160.27	3	912.80	3	664.98	3	417.31	3	178.56	3		3		3		3		3	
1/4	1,155.13	1/4	907.64	1/4	659.82	1/4	412.15	1/4	174.06	1/4		1/4		1/4		1/4		1/4	
1/2	1,149.99	1/2	902.48	1/2	654.66	1/2	406.99	1/2	169.56	1/2		1/2		1/2		1/2		1/2	
3/4	1,144.85	3/4	897.31	3/4	649.50	3/4	401.82	3/4	165.07	3/4		3/4		3/4		3/4		3/4	
4	1,139.71	4	892.15	4	644.34	4	396.66	4	160.66	4		4		4		4		4	
1/4	1,134.58	1/4	886.99	1/4	639.19	1/4	391.50	1/4	156.26	1/4		1/4		1/4		1/4		1/4	
1/2	1,129.44	1/2	881.82	1/2	634.03	1/2	386.34	1/2	151.85	1/2		1/2		1/2		1/2		1/2	
3/4	1,124.30	3/4	876.66	3/4	628.87	3/4	381.17	3/4	147.44	3/4		3/4		3/4		3/4		3/4	
5	1,119.16	5	871.50	5	623.71	5	376.01	5	143.13	5		5		5		5		5	
1/4	1,114.02	1/4	866.34	1/4	618.56	1/4	370.85	1/4	138.82	1/4		1/4		1/4		1/4		1/4	
1/2	1,108.88	1/2	861.17	1/2	613.40	1/2	365.68	1/2	134.50	1/2		1/2		1/2		1/2		1/2	
3/4	1,103.74	3/4	856.01	3/4	608.24	3/4	360.52	3/4	130.19	3/4		3/4		3/4		3/4		3/4	
6	1,098.61	6	850.85	6	603.08	6	355.36	6	125.97	6		6		6		6		6	
1/4	1,093.47	1/4	845.68	1/4	597.92	1/4	350.19	1/4	121.75	1/4		1/4		1/4		1/4		1/4	
1/2	1,088.33	1/2	840.52	1/2	592.77	1/2	345.03	1/2	117.53	1/2		1/2		1/2		1/2		1/2	
3/4	1,083.19	3/4	835.36	3/4	587.61	3/4	339.87	3/4	113.30	3/4		3/4		3/4		3/4		3/4	
7	1,078.03	7	830.19	7	582.45	7	334.71	7	109.17	7		7		7		7		7	
1/4	1,072.86	1/4	825.03	1/4	577.29	1/4	329.54	1/4	105.04	1/4		1/4		1/4		1/4		1/4	
1/2	1,067.70	1/2	819.87	1/2	572.14	1/2	324.38	1/2	100.91	1/2		1/2		1/2		1/2		1/2	
3/4	1,062.54	3/4	814.70	3/4	566.98	3/4	319.22	3/4	96.78	3/4		3/4		3/4		3/4		3/4	
8	1,057.37	8	809.54	8	561.82	8	314.09	8	92.89	8		8		8		8		8	
1/4	1,052.21	1/4	804.38	1/4	556.66	1/4	308.96	1/4	88.99	1/4		1/4		1/4		1/4		1/4	
1/2	1,047.05	1/2	799.21	1/2	551.50	1/2	303.83	1/2	85.09	1/2		1/2		1/2		1/2		1/2	
3/4	1,041.88	3/4	794.05	3/4	546.35	3/4	298.70	3/4	81.19	3/4		3/4		3/4		3/4		3/4	
9	1,036.72	9	788.89	9	541.19	9	293.65	9	77.39	9		9		9		9		9	
1/4	1,031.56	1/4	783.72	1/4	536.03	1/4	288.61	1/4	73.58	1/4		1/4		1/4		1/4		1/4	
1/2	1,026.39	1/2	778.56	1/2	530.87	1/2	283.56	1/2	69.78	1/2		1/2		1/2		1/2		1/2	
3/4	1,021.23	3/4	773.40	3/4	525.72	3/4	278.51	3/4	65.97	3/4		3/4		3/4		3/4		3/4	
10	1,016.07	10	768.23	10	520.56	10	273.55	10	62.27	10		10		10		10		10	
1/4	1,010.90	1/4	763.07	1/4	515.40	1/4	268.60	1/4	58.56	1/4		1/4		1/4		1/4		1/4	
1/2	1,005.74	1/2	757.91	1/2	510.24	1/2	263.64	1/2	54.85	1/2		1/2		1/2		1/2		1/2	
3/4	1,000.58	3/4	752.74	3/4	505.08	3/4	258.68	3/4	51.15	3/4		3/4		3/4		3/4		3/4	
11	995.42	11	747.58	11	499.92	11	253.82	11	47.55	11		11		11		11		11	
1/4	990.25	1/4	742.42	1/4	494.76	1/4	248.95	1/4	43.95	1/4		1/4		1/4		1/4		1/4	
1/2	985.09	1/2	737.26	1/2	489.60	1/2	244.09	1/2	40.36	1/2		1/2		1/2		1/2		1/2	
3/4	979.93	3/4	732.09	3/4	484.43	3/4	239.23	3/4	36.76	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/06/2015 CL
CALCULATED: 04/07/2015 CL
PRINTED: 04/07/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2015

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "MM 308"

1 PORT ULLAGE 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	0	0	3,209.96	0	2,962.39	0	2,714.82	0	2,467.25	0	2,219.68	0	1,972.11	0	1,724.54	0	1,476.97	0	1,476.97
1/4	1/4	1/4	3,448.52	1/4	3,204.80	1/4	2,957.23	1/4	2,709.66	1/4	2,462.09	1/4	2,214.52	1/4	1,966.96	1/4	1,719.39	1/4	1,471.82
1/2	1/2	1/2	3,443.93	1/2	3,199.65	1/2	2,952.08	1/2	2,704.51	1/2	2,456.94	1/2	2,209.37	1/2	1,961.80	1/2	1,714.23	1/2	1,466.66
3/4	3/4	3/4	3,439.34	3/4	3,194.49	3/4	2,946.92	3/4	2,699.35	3/4	2,451.78	3/4	2,204.21	3/4	1,956.64	3/4	1,709.07	3/4	1,461.50
1	1	1	3,434.75	1	3,189.33	1	2,941.76	1	2,694.19	1	2,446.62	1	2,199.05	1	1,951.48	1	1,703.91	1	1,456.34
1/4	1/4	1/4	3,430.16	1/4	3,184.17	1/4	2,936.60	1/4	2,689.03	1/4	2,441.46	1/4	2,193.89	1/4	1,946.32	1/4	1,698.75	1/4	1,451.19
1/2	1/2	1/2	3,425.08	1/2	3,179.01	1/2	2,931.45	1/2	2,683.88	1/2	2,436.31	1/2	2,188.74	1/2	1,941.17	1/2	1,693.60	1/2	1,446.03
3/4	3/4	3/4	3,420.00	3/4	3,173.86	3/4	2,926.29	3/4	2,678.72	3/4	2,431.15	3/4	2,183.58	3/4	1,936.01	3/4	1,688.44	3/4	1,440.87
2	2	2	3,414.92	2	3,168.70	2	2,921.13	2	2,673.56	2	2,425.99	2	2,178.42	2	1,930.85	2	1,683.28	2	1,435.71
1/4	1/4	1/4	3,409.84	1/4	3,163.54	1/4	2,915.97	1/4	2,668.40	1/4	2,420.83	1/4	2,173.26	1/4	1,925.69	1/4	1,678.12	1/4	1,430.55
1/2	1/2	1/2	3,404.74	1/2	3,158.38	1/2	2,910.81	1/2	2,663.24	1/2	2,415.68	1/2	2,168.11	1/2	1,920.54	1/2	1,672.97	1/2	1,425.40
3/4	3/4	3/4	3,399.64	3/4	3,153.23	3/4	2,905.66	3/4	2,658.09	3/4	2,410.52	3/4	2,162.95	3/4	1,915.38	3/4	1,667.81	3/4	1,420.24
3	3	3	3,394.54	3	3,148.07	3	2,900.50	3	2,652.93	3	2,405.36	3	2,157.79	3	1,910.22	3	1,662.65	3	1,415.08
1/4	1/4	1/4	3,389.44	1/4	3,142.91	1/4	2,895.34	1/4	2,647.77	1/4	2,400.20	1/4	2,152.63	1/4	1,905.06	1/4	1,657.49	1/4	1,409.92
1/2	1/2	1/2	3,384.33	1/2	3,137.75	1/2	2,890.18	1/2	2,642.61	1/2	2,395.04	1/2	2,147.47	1/2	1,899.91	1/2	1,652.34	1/2	1,404.77
3/4	3/4	3/4	3,379.23	3/4	3,132.60	3/4	2,885.03	3/4	2,637.46	3/4	2,389.89	3/4	2,142.32	3/4	1,894.75	3/4	1,647.18	3/4	1,399.61
4	4	4	3,374.12	4	3,127.44	4	2,879.87	4	2,632.30	4	2,384.73	4	2,137.16	4	1,889.59	4	1,642.02	4	1,394.45
1/4	1/4	1/4	3,369.02	1/4	3,122.28	1/4	2,874.71	1/4	2,627.14	1/4	2,379.57	1/4	2,132.00	1/4	1,884.43	1/4	1,636.86	1/4	1,389.29
1/2	1/2	1/2	3,363.91	1/2	3,117.12	1/2	2,869.55	1/2	2,621.98	1/2	2,374.41	1/2	2,126.84	1/2	1,879.27	1/2	1,631.70	1/2	1,384.14
3/4	3/4	3/4	3,358.81	3/4	3,111.96	3/4	2,864.39	3/4	2,616.83	3/4	2,369.26	3/4	2,121.69	3/4	1,874.12	3/4	1,626.55	3/4	1,378.98
5	5	5	3,353.70	5	3,106.81	5	2,859.24	5	2,611.67	5	2,364.10	5	2,116.53	5	1,868.96	5	1,621.39	5	1,373.82
1/4	1/4	1/4	3,348.59	1/4	3,101.65	1/4	2,854.08	1/4	2,606.51	1/4	2,358.94	1/4	2,111.37	1/4	1,863.80	1/4	1,616.23	1/4	1,368.66
1/2	1/2	1/2	3,343.49	1/2	3,096.49	1/2	2,848.92	1/2	2,601.35	1/2	2,353.78	1/2	2,106.21	1/2	1,858.64	1/2	1,611.07	1/2	1,363.50
3/4	3/4	3/4	3,338.38	3/4	3,091.33	3/4	2,843.76	3/4	2,596.19	3/4	2,348.62	3/4	2,101.06	3/4	1,853.49	3/4	1,605.92	3/4	1,358.35
6	6	6	3,333.28	6	3,086.18	6	2,838.61	6	2,591.04	6	2,343.47	6	2,095.90	6	1,848.33	6	1,600.76	6	1,353.19
1/4	1/4	1/4	3,328.17	1/4	3,081.02	1/4	2,833.45	1/4	2,585.88	1/4	2,338.31	1/4	2,090.74	1/4	1,843.17	1/4	1,595.60	1/4	1,348.03
1/2	1/2	1/2	3,323.07	1/2	3,075.86	1/2	2,828.29	1/2	2,580.72	1/2	2,333.15	1/2	2,085.58	1/2	1,838.01	1/2	1,590.44	1/2	1,342.87
3/4	3/4	3/4	3,317.96	3/4	3,070.70	3/4	2,823.13	3/4	2,575.56	3/4	2,327.99	3/4	2,080.42	3/4	1,832.85	3/4	1,585.29	3/4	1,337.72
7	7	7	3,312.85	7	3,065.55	7	2,817.98	7	2,570.41	7	2,322.84	7	2,075.27	7	1,827.70	7	1,580.13	7	1,332.56
1/4	1/4	1/4	3,307.75	1/4	3,060.39	1/4	2,812.82	1/4	2,565.25	1/4	2,317.68	1/4	2,070.11	1/4	1,822.54	1/4	1,574.97	1/4	1,327.40
1/2	1/2	1/2	3,302.64	1/2	3,055.23	1/2	2,807.66	1/2	2,560.09	1/2	2,312.52	1/2	2,064.95	1/2	1,817.38	1/2	1,569.81	1/2	1,322.24
3/4	3/4	3/4	3,297.54	3/4	3,050.07	3/4	2,802.50	3/4	2,554.93	3/4	2,307.36	3/4	2,059.79	3/4	1,812.22	3/4	1,564.65	3/4	1,317.08
8	8	8	3,292.43	8	3,044.91	8	2,797.34	8	2,549.78	8	2,302.21	8	2,054.64	8	1,807.07	8	1,559.50	8	1,311.93
1/4	1/4	1/4	3,287.33	1/4	3,039.76	1/4	2,792.19	1/4	2,544.62	1/4	2,297.05	1/4	2,049.48	1/4	1,801.91	1/4	1,554.34	1/4	1,306.77
1/2	1/2	1/2	3,282.17	1/2	3,034.60	1/2	2,787.03	1/2	2,539.46	1/2	2,291.89	1/2	2,044.32	1/2	1,796.75	1/2	1,549.18	1/2	1,301.61
3/4	3/4	3/4	3,277.01	3/4	3,029.44	3/4	2,781.87	3/4	2,534.30	3/4	2,286.73	3/4	2,039.16	3/4	1,791.59	3/4	1,544.02	3/4	1,296.45
9	9	9	3,271.85	9	3,024.28	9	2,776.71	9	2,529.14	9	2,281.57	9	2,034.01	9	1,786.44	9	1,538.87	9	1,291.30
1/4	1/4	1/4	3,266.70	1/4	3,019.13	1/4	2,771.56	1/4	2,523.99	1/4	2,276.42	1/4	2,028.85	1/4	1,781.28	1/4	1,533.71	1/4	1,286.14
1/2	1/2	1/2	3,261.54	1/2	3,013.97	1/2	2,766.40	1/2	2,518.83	1/2	2,271.26	1/2	2,023.69	1/2	1,776.12	1/2	1,528.55	1/2	1,280.98
3/4	3/4	3/4	3,256.38	3/4	3,008.81	3/4	2,761.24	3/4	2,513.67	3/4	2,266.10	3/4	2,018.53	3/4	1,770.96	3/4	1,523.39	3/4	1,275.82
10	10	10	3,251.22	10	3,003.65	10	2,756.08	10	2,508.51	10	2,260.94	10	2,013.37	10	1,765.80	10	1,518.24	10	1,270.67
1/4	1/4	1/4	3,246.06	1/4	2,998.50	1/4	2,750.93	1/4	2,503.36	1/4	2,255.79	1/4	2,008.22	1/4	1,760.65	1/4	1,513.08	1/4	1,265.51
1/2	1/2	1/2	3,240.91	1/2	2,993.34	1/2	2,745.77	1/2	2,498.20	1/2	2,250.63	1/2	2,003.06	1/2	1,755.49	1/2	1,507.92	1/2	1,260.35
3/4	3/4	3/4	3,235.75	3/4	2,988.18	3/4	2,740.61	3/4	2,493.04	3/4	2,245.47	3/4	1,997.90	3/4	1,750.33	3/4	1,502.76	3/4	1,255.19
11	11	11	3,230.59	11	2,983.02	11	2,735.45	11	2,487.88	11	2,240.31	11	1,992.74	11	1,745.17	11	1,497.60	11	1,250.03
1/4	1/4	1/4	3,225.43	1/4	2,977.86	1/4	2,730.29	1/4	2,482.73	1/4	2,235.16	1/4	1,987.59	1/4	1,740.02	1/4	1,492.45	1/4	1,244.88
1/2	1/2	1/2	3,220.28	1/2	2,972.71	1/2	2,725.14	1/2	2,477.57	1/2	2,230.00	1/2	1,982.43	1/2	1,734.86	1/2	1,487.29	1/2	1,239.72
3/4	3/4	3/4	3,215.12	3/4	2,967.55	3/4	2,719.98	3/4	2,472.41	3/4	2,224.84	3/4	1,977.27	3/4	1,729.70	3/4	1,482.13	3/4	1,234.56

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 29'-06" FORWARD OF AFT BULKHEAD
 GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 31'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "MM 308"

1 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	1,229.40	0	982.22	0	734.76	0	488.99	0	243.75	0	40.29	0		0		0		0	
1/4	1,224.25	1/4	977.07	1/4	729.64	1/4	483.84	1/4	238.89	1/4	36.70	1/4		1/4		1/4		1/4	
1/2	1,219.09	1/2	971.91	1/2	724.52	1/2	478.68	1/2	234.12	1/2	33.69	1/2		1/2		1/2		1/2	
3/4	1,213.93	3/4	966.75	3/4	719.40	3/4	473.52	3/4	229.36	3/4	30.69	3/4		3/4		3/4		3/4	
1	1,208.77	1	961.59	1	714.28	1	468.36	1	224.59	1	27.68	1		1		1		1	
1/4	1,203.62	1/4	956.43	1/4	709.15	1/4	463.21	1/4	219.82	1/4	24.67	1/4		1/4		1/4		1/4	
1/2	1,198.46	1/2	951.28	1/2	704.03	1/2	458.05	1/2	215.15	1/2	22.79	1/2		1/2		1/2		1/2	
3/4	1,193.30	3/4	946.12	3/4	698.91	3/4	452.89	3/4	210.47	3/4	20.90	3/4		3/4		3/4		3/4	
2	1,188.14	2	940.96	2	693.79	2	447.73	2	205.80	2	19.02	2		2		2		2	
1/4	1,182.98	1/4	935.80	1/4	688.67	1/4	442.57	1/4	201.12	1/4	17.13	1/4		1/4		1/4		1/4	
1/2	1,177.83	1/2	930.65	1/2	683.55	1/2	437.42	1/2	196.54	1/2		1/2		1/2		1/2		1/2	
3/4	1,172.67	3/4	925.49	3/4	678.42	3/4	432.26	3/4	191.95	3/4		3/4		3/4		3/4		3/4	
3	1,167.51	3	920.33	3	673.30	3	427.10	3	187.37	3		3		3		3		3	
1/4	1,162.35	1/4	915.17	1/4	668.18	1/4	421.94	1/4	182.79	1/4		1/4		1/4		1/4		1/4	
1/2	1,157.22	1/2	910.02	1/2	663.07	1/2	416.79	1/2	178.29	1/2		1/2		1/2		1/2		1/2	
3/4	1,152.09	3/4	904.86	3/4	657.95	3/4	411.63	3/4	173.80	3/4		3/4		3/4		3/4		3/4	
4	1,146.95	4	899.70	4	652.83	4	406.47	4	169.31	4		4		4		4		4	
1/4	1,141.82	1/4	894.54	1/4	647.72	1/4	401.31	1/4	164.82	1/4		1/4		1/4		1/4		1/4	
1/2	1,136.69	1/2	889.38	1/2	642.60	1/2	396.16	1/2	160.42	1/2		1/2		1/2		1/2		1/2	
3/4	1,131.55	3/4	884.23	3/4	637.48	3/4	391.00	3/4	156.02	3/4		3/4		3/4		3/4		3/4	
5	1,126.42	5	879.07	5	632.37	5	385.84	5	151.62	5		5		5		5		5	
1/4	1,121.29	1/4	873.91	1/4	627.25	1/4	380.68	1/4	147.22	1/4		1/4		1/4		1/4		1/4	
1/2	1,116.15	1/2	868.75	1/2	622.14	1/2	375.53	1/2	142.91	1/2		1/2		1/2		1/2		1/2	
3/4	1,111.02	3/4	863.60	3/4	617.02	3/4	370.37	3/4	138.61	3/4		3/4		3/4		3/4		3/4	
6	1,105.89	6	858.44	6	611.90	6	365.21	6	134.30	6		6		6		6		6	
1/4	1,100.75	1/4	853.28	1/4	606.79	1/4	360.05	1/4	129.99	1/4		1/4		1/4		1/4		1/4	
1/2	1,095.62	1/2	848.12	1/2	601.67	1/2	354.90	1/2	125.77	1/2		1/2		1/2		1/2		1/2	
3/4	1,090.49	3/4	842.97	3/4	596.56	3/4	349.74	3/4	121.56	3/4		3/4		3/4		3/4		3/4	
7	1,085.35	7	837.81	7	591.44	7	344.58	7	117.34	7		7		7		7		7	
1/4	1,080.22	1/4	832.65	1/4	586.32	1/4	339.42	1/4	113.13	1/4		1/4		1/4		1/4		1/4	
1/2	1,075.06	1/2	827.49	1/2	581.21	1/2	334.27	1/2	109.00	1/2		1/2		1/2		1/2		1/2	
3/4	1,069.90	3/4	822.33	3/4	576.09	3/4	329.11	3/4	104.88	3/4		3/4		3/4		3/4		3/4	
8	1,064.75	8	817.18	8	570.98	8	323.95	8	100.75	8		8		8		8		8	
1/4	1,059.59	1/4	812.02	1/4	565.86	1/4	318.79	1/4	96.63	1/4		1/4		1/4		1/4		1/4	
1/2	1,054.43	1/2	806.86	1/2	560.74	1/2	313.67	1/2	92.74	1/2		1/2		1/2		1/2		1/2	
3/4	1,049.27	3/4	801.70	3/4	555.63	3/4	308.55	3/4	88.84	3/4		3/4		3/4		3/4		3/4	
9	1,044.12	9	796.55	9	550.51	9	303.42	9	84.95	9		9		9		9		9	
1/4	1,038.96	1/4	791.39	1/4	545.39	1/4	298.30	1/4	81.06	1/4		1/4		1/4		1/4		1/4	
1/2	1,033.80	1/2	786.23	1/2	540.28	1/2	293.26	1/2	77.26	1/2		1/2		1/2		1/2		1/2	
3/4	1,028.64	3/4	781.07	3/4	535.16	3/4	288.21	3/4	73.46	3/4		3/4		3/4		3/4		3/4	
10	1,023.48	10	775.92	10	530.05	10	283.17	10	69.66	10		10		10		10		10	
1/4	1,018.33	1/4	770.76	1/4	524.93	1/4	278.13	1/4	65.87	1/4		1/4		1/4		1/4		1/4	
1/2	1,013.17	1/2	765.60	1/2	519.81	1/2	273.18	1/2	62.17	1/2		1/2		1/2		1/2		1/2	
3/4	1,008.01	3/4	760.44	3/4	514.70	3/4	268.23	3/4	58.47	3/4		3/4		3/4		3/4		3/4	
11	1,002.85	11	755.28	11	509.58	11	263.28	11	54.76	11		11		11		11		11	
1/4	997.70	1/4	750.13	1/4	504.47	1/4	258.33	1/4	51.06	1/4		1/4		1/4		1/4		1/4	
1/2	992.54	1/2	745.01	1/2	499.31	1/2	253.47	1/2	47.47	1/2		1/2		1/2		1/2		1/2	
3/4	987.38	3/4	739.88	3/4	494.15	3/4	248.61	3/4	43.88	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/06/2015 CL
CALCULATED: 04/07/2015 CL
PRINTED: 04/07/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2015

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