

# BARGE "DBL 108"

## INNAGE TRIM TABLE

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

(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 1 CENTER IS - 00-1/4"  
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED INNAGE IS 3'-11 3/4"

LENGTH BETWEEN DRAFT MARKS: 160'-06"

January 23, 2015

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

<http://www.pmacorp.net>



# BARGE "DBL 108"

## 1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.
0	0	0	0	0	0	0	0	0	0
1	9,652	20,146	30,877	41,608	52,234	62,970	73,706	84,441	95,173
2	9,876	20,369	31,101	41,829	52,457	63,194	73,930	84,665	95,397
3	10,100	20,593	31,324	42,050	52,681	63,417	74,153	84,888	95,620
4	10,323	20,816	31,548	42,270	52,905	63,641	74,377	85,112	95,844
5	10,547	21,040	31,771	42,491	53,128	63,865	74,601	85,336	96,067
6	10,764	21,264	31,995	42,711	53,352	64,088	74,824	85,559	96,291
7	10,982	21,488	32,218	42,932	53,576	64,312	75,048	85,783	96,514
8	11,200	21,711	32,442	43,153	53,799	64,536	75,272	86,006	96,738
9	11,418	21,934	32,666	43,373	54,023	64,759	75,495	86,230	96,962
10	11,635	22,158	32,889	43,594	54,247	64,983	75,719	86,453	97,185
11	11,853	22,381	33,113	43,814	54,470	65,207	75,943	86,677	97,409
12	12,071	22,605	33,336	44,035	54,694	65,430	76,166	86,901	97,632
13	12,288	22,829	33,560	44,256	54,918	65,654	76,390	87,124	97,856
14	12,506	23,052	33,783	44,476	55,141	65,878	76,614	87,348	98,079
15	12,723	23,276	34,007	44,697	55,365	66,101	76,837	87,571	98,303
16	12,941	23,499	34,231	44,917	55,589	66,325	77,061	87,795	98,527
17	13,158	23,723	34,454	45,138	55,813	66,549	77,285	88,018	98,750
18	13,376	23,946	34,678	45,359	56,036	66,772	77,508	88,242	98,974
19	13,593	24,170	34,901	45,579	56,260	66,996	77,732	88,466	99,197
20	13,811	24,394	35,125	45,800	56,484	67,220	77,956	88,689	99,421
21	14,029	24,617	35,348	46,020	56,707	67,443	78,179	88,913	99,644
22	14,246	24,841	35,572	46,241	56,931	67,667	78,403	89,136	99,868
23	14,464	25,064	35,796	46,462	57,155	67,891	78,627	89,360	100,092
24	14,682	25,288	36,019	46,682	57,378	68,114	78,850	89,584	100,315
25	14,899	25,511	36,243	46,903	57,602	68,338	79,074	89,807	100,539
26	15,117	25,735	36,466	47,123	57,826	68,562	79,298	90,031	100,762
27	15,334	25,959	36,690	47,344	58,049	68,785	79,521	90,254	100,986
28	15,552	26,182	36,913	47,565	58,273	69,009	79,745	90,478	101,209
29	15,770	26,406	37,137	47,785	58,497	69,233	79,969	90,701	101,433
30	15,987	26,629	37,361	48,006	58,720	69,456	80,192	90,925	101,657
31	16,205	26,853	37,584	48,226	58,944	69,680	80,416	91,149	101,880
32	16,422	27,076	37,808	48,447	59,168	69,904	80,640	91,372	102,104
33	16,640	27,300	38,031	48,668	59,391	70,127	80,863	91,596	102,327
34	16,858	27,524	38,255	48,890	59,615	70,351	81,087	91,819	102,551
35	17,075	27,747	38,478	49,112	59,839	70,575	81,311	92,043	102,775
36	17,293	27,971	38,702	49,334	60,062	70,798	81,534	92,266	102,998
37	17,511	28,194	38,926	49,556	60,286	71,022	81,758	92,490	103,222
38	17,728	28,418	39,149	49,778	60,510	71,246	81,982	92,714	103,445
39	17,946	28,641	39,373	50,000	60,733	71,469	82,205	92,937	103,669
40	18,163	28,865	39,596	50,222	60,957	71,693	82,429	93,161	103,892
41	18,381	29,089	39,820	50,444	61,181	71,917	82,653	93,384	104,116
42	18,599	29,312	40,043	50,668	61,404	72,140	82,876	93,608	104,340
43	18,816	29,536	40,267	50,892	61,628	72,364	83,100	93,831	104,563
44	19,034	29,759	40,491	51,115	61,852	72,588	83,323	94,055	104,787
45	19,251	29,983	40,714	51,339	62,075	72,811	83,547	94,279	105,010
46	19,475	30,206	40,938	51,563	62,299	73,035	83,771	94,502	105,234
47	19,699	30,430	41,161	51,786	62,523	73,259	83,994	94,726	105,457
48	19,922	30,653	41,385	52,010	62,746	73,482	84,218	94,949	105,681

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF THREADS ON "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED 1'-00" OFF CENTERLINE AND 25'-05" FORWARD OF AFT BULKHEAD.

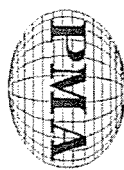
PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.dpmia.com>



BARGE "DBL 108"

1 CENTER INNGAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT "19'-0 1/4"

Table with columns for gauge height (10 FT. to 19 FT.) and rows for capacity (0 to 34). Each cell contains a numerical value representing capacity in U.S. gallons.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/23/2015 SW
CALCULATED: 01/23/2015 CL
REPRINTED: 01/26/2015 SW

CANCELLED AND SUPERCEDED ALL PRIOR TO 01/2015

PRECISION MEASUREMENT & ANALYSIS, INC. P.O. Box 2302 Pearland, Texas 77588



# BARGE "DBL 108"

## 2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 19'-0"

0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.
0	0	0	0	0	0	0	0	0	0
27	10,805	22,514	34,548	46,582	58,617	70,651	82,685	94,718	106,747
77	11,056	22,765	34,799	46,833	58,867	70,902	82,936	94,969	106,997
127	11,306	23,015	35,050	47,084	59,118	71,152	83,187	95,220	107,248
178	11,557	23,266	35,300	47,335	59,369	71,403	83,437	95,470	107,499
228	11,807	23,517	35,551	47,585	59,620	71,654	83,688	95,721	107,749
378	12,058	23,768	35,802	47,836	59,870	71,904	83,939	95,971	108,000
528	12,293	24,018	36,053	48,087	60,121	72,155	84,189	96,222	108,250
679	12,536	24,269	36,303	48,337	60,372	72,406	84,440	96,473	108,501
829	12,779	24,520	36,554	48,588	60,622	72,657	84,691	96,723	108,752
1,067	13,022	24,770	36,805	48,839	60,873	72,907	84,942	96,974	109,002
1,306	13,265	25,021	37,055	49,090	61,124	73,158	85,192	97,224	109,253
1,544	13,508	25,272	37,306	49,340	61,375	73,409	85,443	97,475	109,503
1,782	13,751	25,523	37,557	49,591	61,625	73,659	85,694	97,725	109,754
2,033	13,994	25,773	37,808	49,842	61,876	73,910	85,944	97,976	110,004
2,283	14,236	26,024	38,058	50,092	62,127	74,161	86,195	98,227	110,255
2,534	14,479	26,275	38,309	50,343	62,377	74,412	86,446	98,477	110,506
2,785	14,721	26,525	38,560	50,594	62,628	74,662	86,697	98,728	110,756
3,035	14,963	26,776	38,810	50,845	62,879	74,913	86,947	98,978	111,007
3,286	15,206	27,027	39,061	51,095	63,130	75,164	87,198	99,229	111,257
3,537	15,448	27,278	39,312	51,346	63,380	75,414	87,449	99,479	111,508
3,788	15,691	27,528	39,563	51,597	63,631	75,665	87,699	99,730	111,759
4,038	15,933	27,779	39,813	51,847	63,882	75,916	87,950	99,981	112,009
4,289	16,176	28,029	40,064	52,098	64,132	76,166	88,201	100,231	112,260
4,540	16,419	28,280	40,315	52,349	64,383	76,417	88,452	100,482	112,510
4,790	16,661	28,531	40,565	52,600	64,634	76,668	88,702	100,733	112,761
5,041	16,904	28,782	40,816	52,850	64,885	76,919	88,953	100,983	113,012
5,292	17,146	29,033	41,067	53,101	65,135	77,169	89,204	101,234	113,262
5,543	17,389	29,283	41,318	53,352	65,386	77,420	89,454	101,484	113,513
5,793	17,631	29,534	41,568	53,602	65,637	77,671	89,705	101,735	113,763
6,044	17,874	29,785	41,819	53,853	65,887	77,922	89,956	101,986	114,014
6,295	18,116	30,035	42,070	54,104	66,138	78,172	90,206	102,236	114,265
6,545	18,359	30,286	42,320	54,355	66,389	78,423	90,457	102,487	114,515
6,796	18,601	30,537	42,571	54,605	66,640	78,674	90,708	102,737	114,766
7,047	18,844	30,788	42,822	54,856	66,890	78,924	90,959	102,988	115,016
7,297	19,086	31,038	43,073	55,107	67,141	79,175	91,209	103,238	115,267
7,548	19,329	31,289	43,323	55,357	67,392	79,426	91,460	103,489	115,517
7,798	19,571	31,540	43,574	55,608	67,642	79,677	91,711	103,740	115,768
8,049	19,814	31,790	43,825	55,859	67,893	79,927	91,961	103,990	116,019
8,299	20,056	32,041	44,075	56,110	68,144	80,178	92,212	104,241	116,269
8,550	20,299	32,292	44,326	56,360	68,394	80,429	92,463	104,491	116,520
8,801	20,541	32,543	44,577	56,611	68,645	80,679	92,714	104,742	116,770
9,051	20,784	32,793	44,828	56,862	68,896	80,930	92,964	104,993	117,021
9,302	21,026	33,044	45,078	57,112	69,147	81,181	93,215	105,243	117,272
9,552	21,269	33,295	45,329	57,363	69,397	81,432	93,465	105,494	117,522
9,803	21,511	33,545	45,580	57,614	69,648	81,682	93,716	105,744	117,773
10,053	21,752	33,795	45,830	57,865	69,899	81,933	93,967	105,995	118,023
10,304	22,013	34,047	46,081	58,115	70,149	82,184	94,217	106,246	118,274
10,554	22,263	34,298	46,332	58,366	70,400	82,434	94,468	106,496	118,525

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH FMMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF THREADS ON "MCC" VALVE.

GAUGE POINT: (MMC) LOCATED 1'-00" OFF CENTERLINE AND 30'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2052

Patterson, Texas 77568

http://www.pmtcoid.net



# BARGE "DBL 108"

2 CENTER  
INNAGE TABLE

GAUGE HEIGHT 19'-0"

CAPACITIES GIVEN IN WHOLE U.S. GALLONS				11 FT.				12 FT.				13 FT.				14 FT.				15 FT.				16 FT.				17 FT.				18 FT.				19 FT.											
0	1/4	1/2	3/4	0	1/4	1/2	3/4	0	1/4	1/2	3/4	0	1/4	1/2	3/4	0	1/4	1/2	3/4	0	1/4	1/2	3/4	0	1/4	1/2	3/4	0	1/4	1/2	3/4	0	1/4	1/2	3/4	0	1/4	1/2	3/4	0	1/4	1/2	3/4				
118,775	119,026	119,277	119,528	130,804	131,054	131,305	131,555	142,832	143,083	143,333	143,584	154,860	155,111	155,362	155,612	166,842	167,091	167,339	167,587	177,993	178,241	178,489	178,736	189,844	190,091	190,338	190,584	202,539	202,786	203,033	203,279	215,334	215,581	215,828	216,074	228,079	228,326	228,573	228,819	241,564	241,811	242,058	242,305	255,039	255,286	255,533	255,779

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/23/2015 SW  
CALCULATED: 01/23/2015 CL  
REPRINTED: 01/26/2015 SW  
ALL PRIOR TO 01/2015

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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Pearland, Texas 77580  
http://www.ammacco.net







**BARGE "DBL 108"**

**3 CENTER  
INNAGE TABLE**

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

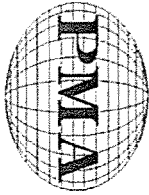
		GAUGE HEIGHT "19'-0"									
		10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.
0	105,068	0	115,682	0	126,295	0	136,908	0	147,480	0	0
1/4	105,290	1/4	115,903	1/4	126,516	1/4	137,129	1/4	147,699	1/4	1/4
1/2	105,511	1/2	116,124	1/2	126,737	1/2	137,350	1/2	147,918	1/2	1/2
3/4	105,732	3/4	116,345	3/4	126,958	3/4	137,571	3/4	148,137	3/4	3/4
1	105,953	1	116,566	1	127,179	1	137,792	1	148,356	1	1
1 1/4	106,174	1 1/4	116,787	1 1/4	127,400	1 1/4	138,013	1 1/4	148,575	1 1/4	1 1/4
1 1/2	106,395	1 1/2	117,008	1 1/2	127,621	1 1/2	138,234	1 1/2	148,794	1 1/2	1 1/2
1 3/4	106,616	1 3/4	117,229	1 3/4	127,842	1 3/4	138,455	1 3/4	149,013	1 3/4	1 3/4
2	106,837	2	117,450	2	128,063	2	138,677	2	149,233	2	2
1/4	107,058	1/4	117,671	1/4	128,285	1/4	138,898	1/4	149,452	1/4	1/4
1/2	107,280	1/2	117,893	1/2	128,506	1/2	139,119	1/2	149,671	1/2	1/2
3/4	107,501	3/4	118,114	3/4	128,727	3/4	139,340	3/4	149,890	3/4	3/4
1	107,722	1	118,335	1	128,948	1	139,561	1	150,109	1	1
1 1/4	107,943	1 1/4	118,556	1 1/4	129,169	1 1/4	139,782	1 1/4	150,328	1 1/4	1 1/4
1 1/2	108,164	1 1/2	118,777	1 1/2	129,390	1 1/2	140,003	1 1/2	150,547	1 1/2	1 1/2
1 3/4	108,385	1 3/4	118,998	1 3/4	129,611	1 3/4	140,224	1 3/4	150,766	1 3/4	1 3/4
2	108,606	2	119,219	2	129,832	2	140,445	2	150,985	2	2
1/4	108,827	1/4	119,440	1/4	130,053	1/4	140,666	1/4	151,204	1/4	1/4
1/2	109,048	1/2	119,661	1/2	130,275	1/2	140,888	1/2	151,423	1/2	1/2
3/4	109,269	3/4	119,883	3/4	130,496	3/4	141,109	3/4	151,642	3/4	3/4
1	109,491	1	120,104	1	130,717	1	141,330	1	151,861	1	1
1 1/4	109,712	1 1/4	120,325	1 1/4	130,938	1 1/4	141,551	1 1/4	152,078	1 1/4	1 1/4
1 1/2	109,933	1 1/2	120,546	1 1/2	131,159	1 1/2	141,772	1 1/2	152,294	1 1/2	1 1/2
1 3/4	110,154	1 3/4	120,767	1 3/4	131,380	1 3/4	141,993	1 3/4	152,510	1 3/4	1 3/4
2	110,375	2	120,988	2	131,601	2	142,214	2	152,726	2	2
1/4	110,596	1/4	121,209	1/4	131,822	1/4	142,435	1/4	152,943	1/4	1/4
1/2	110,817	1/2	121,430	1/2	132,043	1/2	142,656	1/2	153,159	1/2	1/2
3/4	111,038	3/4	121,651	3/4	132,264	3/4	142,878	3/4	153,375	3/4	3/4
1	111,259	1	121,872	1	132,486	1	143,099	1	153,591	1	1
1 1/4	111,481	1 1/4	122,094	1 1/4	132,707	1 1/4	143,318	1 1/4	153,808	1 1/4	1 1/4
1 1/2	111,702	1 1/2	122,315	1 1/2	132,928	1 1/2	143,537	1 1/2	154,024	1 1/2	1 1/2
1 3/4	111,923	1 3/4	122,536	1 3/4	133,149	1 3/4	143,756	1 3/4	154,240	1 3/4	1 3/4
2	112,144	2	122,757	2	133,370	2	143,975	2	154,456	2	2
1/4	112,365	1/4	122,978	1/4	133,591	1/4	144,194	1/4	154,673	1/4	1/4
1/2	112,586	1/2	123,199	1/2	133,812	1/2	144,413	1/2	154,889	1/2	1/2
3/4	112,807	3/4	123,420	3/4	134,033	3/4	144,632	3/4	155,105	3/4	3/4
1	113,028	1	123,641	1	134,254	1	144,851	1	155,321	1	1
1 1/4	113,249	1 1/4	123,862	1 1/4	134,476	1 1/4	145,070	1 1/4	155,533	1 1/4	1 1/4
1 1/2	113,470	1 1/2	124,084	1 1/2	134,697	1 1/2	145,289	1 1/2	155,665	1 1/2	1 1/2
1 3/4	113,692	1 3/4	124,305	1 3/4	134,918	1 3/4	145,508	1 3/4	155,837	1 3/4	1 3/4
2	113,913	2	124,526	2	135,139	2	145,727	2	156,009	2	2
1/4	114,134	1/4	124,747	1/4	135,360	1/4	145,947	1/4	156,098	1/4	1/4
1/2	114,355	1/2	124,968	1/2	135,581	1/2	146,166	1/2	156,186	1/2	1/2
3/4	114,576	3/4	125,189	3/4	135,802	3/4	146,385	3/4	156,275	3/4	3/4
1	114,797	1	125,410	1	136,023	1	146,604	1	156,363	1	1
1 1/4	115,018	1 1/4	125,631	1 1/4	136,244	1 1/4	146,823	1 1/4	156,385	1 1/4	1 1/4
1 1/2	115,239	1 1/2	125,852	1 1/2	136,465	1 1/2	147,042	1 1/2	156,407	1 1/2	1 1/2
1 3/4	115,460	1 3/4	126,074	1 3/4	136,687	1 3/4	147,261	1 3/4	156,407	1 3/4	1 3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588  
http://www.omnicond.net



# BARGE "DBL 108"

ULLAGE TRIM TABLE

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

(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 1 CENTER IS 00-1/4"  
FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED ULLAGE IS 4'-00 1/4"

LENGTH BETWEEN DRAFT MARKS: 160'-06"

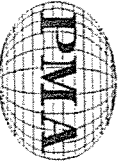
January 23, 2015

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Pearland, Texas 77588

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# BARGE "DBL 108"

## 1 CENTER ULLAGE TABLE

GAUGE HEIGHT 19'-0 1/4"

10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.
95,397	84,665	73,930	63,194	52,458	41,829	31,101	20,369	9,876	72
95,173	84,441	73,706	62,970	52,234	41,608	30,877	20,146	9,652	27
94,949	84,218	73,482	62,746	52,010	41,385	30,654	19,922	9,429	
94,726	83,994	73,259	62,523	51,787	41,161	30,430	19,699	9,205	
94,502	83,771	73,035	62,299	51,563	40,938	30,206	19,475	8,982	
94,279	83,547	72,811	62,075	51,339	40,714	29,983	19,251	8,758	
94,055	83,323	72,588	61,852	51,116	40,491	29,759	19,034	8,535	
93,831	83,100	72,364	61,628	50,892	40,267	29,536	18,816	8,311	
93,608	82,876	72,140	61,404	50,668	40,043	29,312	18,599	8,087	
93,384	82,653	71,917	61,181	50,445	39,820	29,089	18,381	7,864	
93,161	82,429	71,693	60,957	50,222	39,596	28,865	18,163	7,640	
92,937	82,205	71,469	60,733	50,000	39,373	28,641	17,946	7,417	
92,714	81,982	71,246	60,510	49,778	39,149	28,418	17,728	7,193	
92,490	81,758	71,022	60,286	49,556	38,926	28,194	17,511	6,969	
92,266	81,534	70,798	60,062	49,334	38,702	27,971	17,293	6,745	
92,043	81,311	70,575	59,839	49,112	38,478	27,747	17,075	6,522	
91,819	81,087	70,351	59,615	48,890	38,255	27,524	16,858	6,299	
91,596	80,863	70,127	59,391	48,668	38,031	27,300	16,640	6,075	
91,372	80,640	69,904	59,168	48,447	37,808	27,076	16,422	5,851	
91,149	80,416	69,680	58,944	48,227	37,584	26,853	16,205	5,628	
90,925	80,192	69,456	58,720	48,006	37,361	26,629	15,987	5,404	
90,701	79,969	69,233	58,497	47,785	37,137	26,406	15,770	5,180	
90,478	79,745	69,009	58,273	47,565	36,913	26,182	15,552	4,956	
90,254	79,521	68,785	58,049	47,344	36,689	25,959	15,334	4,733	
90,031	79,298	68,562	57,826	47,124	36,466	25,735	15,117	4,509	
89,807	79,074	68,338	57,602	46,903	36,243	25,511	14,899	4,285	
89,584	78,850	68,114	57,378	46,682	36,019	25,288	14,682	4,062	
89,360	78,627	67,891	57,155	46,462	35,796	25,064	14,464	3,838	
89,136	78,403	67,667	56,931	46,241	35,572	24,841	14,246	3,614	
88,913	78,179	67,443	56,707	46,020	35,348	24,617	14,029	3,390	
88,689	77,956	67,220	56,484	45,800	35,125	24,394	13,811	3,166	
88,466	77,732	66,996	56,260	45,579	34,901	24,170	13,593	2,942	
88,242	77,508	66,772	56,036	45,359	34,678	23,946	13,376	2,718	
88,019	77,285	66,549	55,813	45,138	34,454	23,723	13,158	2,493	
87,795	77,061	66,325	55,589	44,917	34,231	23,499	12,941	2,269	
87,571	76,837	66,101	55,365	44,697	34,007	23,276	12,723	2,045	
87,348	76,614	65,878	55,142	44,476	33,783	23,052	12,506	1,821	
87,124	76,390	65,654	54,918	44,256	33,560	22,829	12,288	1,597	
86,901	76,166	65,430	54,694	44,035	33,336	22,605	12,071	1,384	
86,677	75,943	65,207	54,471	43,814	33,113	22,381	11,853	1,171	
86,453	75,719	64,983	54,247	43,594	32,889	22,158	11,635	959	
86,229	75,495	64,759	54,023	43,373	32,666	21,934	11,418	745	
86,006	75,272	64,536	53,800	43,153	32,442	21,711	11,200	610	
85,783	75,048	64,312	53,576	42,932	32,219	21,487	10,982	476	
85,559	74,824	64,088	53,352	42,711	31,995	21,264	10,764	341	
85,336	74,601	63,865	53,129	42,491	31,771	21,040	10,547	207	
85,112	74,377	63,641	52,905	42,270	31,548	20,816	10,323	162	
84,888	74,153	63,417	52,681	42,050	31,324	20,593	10,100	117	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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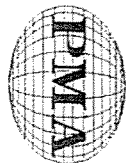
CANCELS AND SUPERCEDES  
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PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Poundand, Texas 77568

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# BARGE "DBL 108"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS.

GAUGE HEIGHT 19'-0"

10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.
0	0	0	0	0	0	0	0	0	0
106,747	94,718	82,685	70,651	58,617	46,582	34,548	22,514	10,805	27
106,496	94,468	82,434	70,400	58,366	46,332	34,297	22,263	10,554	
106,245	94,217	82,184	70,149	58,115	46,081	34,047	22,013	10,304	
105,995	93,966	81,933	69,899	57,864	45,830	33,796	21,762	10,053	
105,744	93,716	81,682	69,648	57,614	45,580	33,545	21,511	9,803	
105,494	93,465	81,431	69,397	57,363	45,329	33,295	21,260	9,552	
105,243	93,215	81,181	69,147	57,112	45,078	33,044	21,009	9,302	
104,993	92,964	80,930	68,896	56,862	44,827	32,793	20,784	9,051	
104,742	92,714	80,679	68,645	56,611	44,577	32,542	20,541	8,800	
104,491	92,463	80,429	68,394	56,360	44,326	32,292	20,299	8,550	
104,241	92,212	80,178	68,144	56,109	44,075	32,041	20,056	8,299	
103,990	91,961	79,927	67,893	55,859	43,825	31,790	19,814	8,049	
103,740	91,711	79,676	67,642	55,608	43,574	31,540	19,571	7,798	
103,489	91,460	79,426	67,392	55,357	43,323	31,289	19,329	7,548	
103,238	91,209	79,175	67,141	55,107	43,072	31,038	19,086	7,297	
102,988	90,959	78,924	66,890	54,856	42,822	30,787	18,844	7,046	
102,737	90,708	78,674	66,639	54,605	42,571	30,537	18,601	6,796	
102,487	90,457	78,423	66,389	54,354	42,320	30,286	18,358	6,545	
102,236	90,206	78,172	66,138	54,104	42,070	30,035	18,116	6,295	
101,985	89,956	77,921	65,887	53,853	41,819	29,785	17,873	6,044	
101,735	89,705	77,671	65,637	53,602	41,568	29,534	17,631	5,793	
101,484	89,454	77,420	65,386	53,352	41,317	29,283	17,388	5,542	
101,234	89,204	77,169	65,135	53,101	41,067	29,032	17,146	5,292	
100,983	88,953	76,918	64,884	52,850	40,816	28,782	16,903	5,041	
100,732	88,702	76,668	64,634	52,599	40,565	28,531	16,661	4,790	
100,482	88,451	76,417	64,383	52,349	40,315	28,280	16,418	4,540	
100,231	88,201	76,166	64,132	52,098	40,064	28,030	16,176	4,289	
99,981	87,950	75,916	63,882	51,847	39,813	27,779	15,933	4,038	
99,730	87,699	75,665	63,631	51,597	39,562	27,528	15,691	3,787	
99,480	87,449	75,414	63,380	51,346	39,312	27,278	15,448	3,537	
99,229	87,198	75,164	63,129	51,095	39,061	27,027	15,206	3,286	
98,978	86,947	74,913	62,879	50,844	38,810	26,776	14,963	3,035	
98,728	86,696	74,662	62,628	50,594	38,560	26,525	14,721	2,785	
98,477	86,446	74,411	62,377	50,343	38,309	26,275	14,478	2,534	
98,227	86,195	74,161	62,127	50,092	38,058	26,024	14,236	2,283	
97,976	85,944	73,910	61,876	49,842	37,807	25,773	13,994	2,033	
97,725	85,694	73,659	61,625	49,591	37,557	25,523	13,751	1,782	
97,475	85,443	73,409	61,374	49,340	37,306	25,272	13,508	1,544	
97,224	85,192	73,158	61,124	49,090	37,055	25,021	13,265	1,306	
96,974	84,941	72,907	60,873	48,839	36,805	24,770	13,022	1,067	
96,723	84,691	72,657	60,622	48,588	36,554	24,520	12,779	829	
96,472	84,440	72,406	60,372	48,337	36,303	24,269	12,536	679	
96,222	84,189	72,155	60,121	48,087	36,052	24,018	12,293	528	
95,971	83,939	71,904	59,870	47,836	35,802	23,768	12,050	378	
95,721	83,688	71,654	59,619	47,585	35,551	23,517	11,807	228	
95,470	83,437	71,403	59,369	47,335	35,300	23,266	11,557	177	
95,219	83,186	71,152	59,118	47,084	35,050	23,015	11,306	127	
94,969	82,936	70,902	58,867	46,833	34,799	22,765	11,055	77	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 ALL PRIOR TO 01/2015

PRECISION MEASUREMENT  
 & ANALYSIS, INC.

P.O. Box 2092  
 Hammond, Texas 77368  
<http://www.dnmcocrd.net>



# BARGE "DBL 108"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS												GAUGE HEIGHT 19'-0"																																			
0 FT.				1 FT.				2 FT.				3 FT.				4 FT.				5 FT.				6 FT.				7 FT.				8 FT.				9 FT.											
0	1/4	1/2	3/4	0	1/4	1/2	3/4	0	1/4	1/2	3/4	0	1/4	1/2	3/4	0	1/4	1/2	3/4	0	1/4	1/2	3/4	0	1/4	1/2	3/4	0	1/4	1/2	3/4	0	1/4	1/2	3/4	0	1/4	1/2	3/4	0	1/4	1/2	3/4				
156,407	147,261	136,666	126,294	115,661	104,847	94,826	84,826	74,826	64,826	54,826	44,826	34,826	24,826	14,826	4,826	156,407	147,261	136,666	126,294	115,661	104,847	94,826	84,826	74,826	64,826	54,826	44,826	34,826	24,826	14,826	4,826	156,407	147,261	136,666	126,294	115,661	104,847	94,826	84,826	74,826	64,826	54,826	44,826	34,826	24,826	14,826	4,826

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF THREADS ON "IMMC" VALVE.  
GAUGE POINT: (IMMC) LOCATED 1'-00" OFF CENTERLINE AND 25'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT & ANALYSIS, INC.

P.O. Box 2092  
Portland, Texas 77588  
http://www.pimacontrol.net

SHEET NO. 5 OF 6





# BARGE "DBL 108"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 19'-0"

10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.
0	0	0	0	0	0	0	0	0	27
94,455	83,842	73,225	62,606	51,988	41,370	30,752	20,134	9,538	
94,234	83,621	73,003	62,385	51,767	41,149	30,531	19,913	9,317	
94,013	83,400	72,782	62,164	51,546	40,928	30,310	19,692	9,096	
93,792	83,179	72,561	61,943	51,325	40,706	30,088	19,471	8,875	
93,571	82,958	72,340	61,722	51,103	40,485	29,867	19,250	8,654	
93,349	82,736	72,119	61,500	50,882	40,264	29,646	19,030	8,432	
93,128	82,515	71,897	61,279	50,661	40,043	29,425	18,809	8,211	
92,907	82,294	71,676	61,058	50,440	39,822	29,203	18,589	7,990	
92,686	82,073	71,455	60,837	50,219	39,600	28,982	18,368	7,769	
92,465	81,852	71,234	60,616	49,997	39,379	28,761	18,147	7,548	
92,244	81,631	71,012	60,394	49,776	39,158	28,540	17,927	7,326	
92,023	81,409	70,791	60,173	49,555	38,937	28,319	17,706	7,105	
91,802	81,188	70,570	59,952	49,334	38,716	28,097	17,486	6,884	
91,581	80,967	70,349	59,731	49,113	38,494	27,876	17,265	6,663	
91,360	80,746	70,128	59,509	48,891	38,273	27,655	17,044	6,442	
91,138	80,525	69,906	59,288	48,670	38,052	27,434	16,824	6,220	
90,917	80,303	69,685	59,067	48,449	37,831	27,213	16,603	6,000	
90,696	80,082	69,464	58,846	48,228	37,610	26,991	16,383	5,778	
90,475	79,861	69,243	58,625	48,006	37,388	26,770	16,162	5,557	
90,254	79,640	69,022	58,403	47,785	37,167	26,549	15,941	5,336	
90,033	79,419	68,800	58,182	47,564	36,946	26,328	15,721	5,114	
89,812	79,197	68,579	57,961	47,343	36,725	26,106	15,500	4,893	
89,591	78,976	68,358	57,740	47,122	36,503	25,885	15,280	4,672	
89,370	78,755	68,137	57,519	46,900	36,282	25,664	15,059	4,451	
89,148	78,534	67,916	57,297	46,679	36,061	25,443	14,838	4,230	
88,927	78,312	67,694	57,076	46,458	35,840	25,222	14,618	4,008	
88,706	78,091	67,473	56,855	46,237	35,619	25,000	14,397	3,787	
88,485	77,870	67,252	56,634	46,016	35,397	24,779	14,177	3,566	
88,264	77,649	67,031	56,413	45,794	35,176	24,558	13,956	3,345	
88,043	77,428	66,809	56,191	45,573	34,955	24,337	13,736	3,124	
87,822	77,206	66,588	55,970	45,352	34,734	24,116	13,515	2,902	
87,601	76,985	66,367	55,749	45,131	34,513	23,894	13,294	2,681	
87,380	76,764	66,146	55,528	44,909	34,291	23,673	13,074	2,460	
87,159	76,543	65,925	55,306	44,688	34,070	23,452	12,853	2,239	
86,937	76,322	65,703	55,085	44,467	33,849	23,231	12,633	2,018	
86,716	76,100	65,482	54,864	44,246	33,628	23,010	12,412	1,796	
86,495	75,879	65,261	54,643	44,025	33,406	22,788	12,191	1,575	
86,274	75,658	65,040	54,422	43,803	33,185	22,567	11,971	1,355	
86,053	75,437	64,819	54,200	43,582	32,964	22,346	11,750	1,135	
85,832	75,216	64,597	53,979	43,361	32,743	22,125	11,529	945	
85,611	74,994	64,376	53,758	43,140	32,522	21,903	11,308	735	
85,390	74,773	64,155	53,537	42,919	32,300	21,682	11,087	602	
85,169	74,552	63,934	53,316	42,697	32,079	21,461	10,866	469	
84,947	74,331	63,713	53,094	42,476	31,858	21,240	10,644	336	
84,726	74,109	63,491	52,873	42,255	31,637	21,019	10,423	204	
84,505	73,888	63,270	52,652	42,034	31,416	20,797	10,202	160	
84,284	73,667	63,049	52,431	41,813	31,194	20,576	9,981	115	
84,063	73,446	62,828	52,209	41,591	30,973	20,355	9,760	71	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STARAPPED: 01/23/2015 SW  
 CALCULATED: 01/23/2015 CL  
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