



BARGE "DBL 97"

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	00-1/8	- 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 CENTER	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 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 - 00-1/8"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED INNAGE IS 3'-11 7/8'

LENGTH BETWEEN DRAFT MARKS: 159'-00"

August 1, 2013

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

<http://www.pmacorp.net>



BARGE "DBL 97"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 18'-11 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	27	0	9,675	0	20,193	0	30,949	0	41,705	0	52,355	0	63,116	0	73,878	0	84,638	0	95,395
1/4	72	1/4	9,899	1/4	20,417	1/4	31,173	1/4	41,926	1/4	52,580	1/4	63,341	1/4	74,102	1/4	84,862	1/4	95,619
1/2	117	1/2	10,123	1/2	20,641	1/2	31,397	1/2	42,147	1/2	52,804	1/2	63,565	1/2	74,326	1/2	85,086	1/2	95,843
3/4	162	3/4	10,347	3/4	20,865	3/4	31,621	3/4	42,369	3/4	53,028	3/4	63,789	3/4	74,550	3/4	85,310	3/4	96,067
1	207	1	10,571	1	21,089	1	31,845	1	42,590	1	53,252	1	64,013	1	74,774	1	85,534	1	96,291
1/4	342	1/4	10,790	1/4	21,313	1/4	32,069	1/4	42,811	1/4	53,476	1/4	64,237	1/4	74,998	1/4	85,758	1/4	96,515
1/2	477	1/2	11,008	1/2	21,537	1/2	32,293	1/2	43,032	1/2	53,701	1/2	64,462	1/2	75,223	1/2	85,982	1/2	96,739
3/4	611	3/4	11,226	3/4	21,761	3/4	32,518	3/4	43,253	3/4	53,925	3/4	64,686	3/4	75,447	3/4	86,207	3/4	96,963
2	746	2	11,444	2	21,985	2	32,742	2	43,474	2	54,149	2	64,910	2	75,671	2	86,431	2	97,187
1/4	960	1/4	11,662	1/4	22,209	1/4	32,966	1/4	43,695	1/4	54,373	1/4	65,134	1/4	75,895	1/4	86,655	1/4	97,411
1/2	1,173	1/2	11,881	1/2	22,434	1/2	33,190	1/2	43,916	1/2	54,597	1/2	65,358	1/2	76,119	1/2	86,879	1/2	97,636
3/4	1,387	3/4	12,099	3/4	22,658	3/4	33,414	3/4	44,138	3/4	54,822	3/4	65,583	3/4	76,344	3/4	87,103	3/4	97,860
3	1,600	3	12,317	3	22,882	3	33,638	3	44,359	3	55,046	3	65,807	3	76,568	3	87,327	3	98,084
1/4	1,825	1/4	12,535	1/4	23,106	1/4	33,862	1/4	44,580	1/4	55,270	1/4	66,031	1/4	76,792	1/4	87,551	1/4	98,308
1/2	2,050	1/2	12,753	1/2	23,330	1/2	34,086	1/2	44,801	1/2	55,494	1/2	66,255	1/2	77,016	1/2	87,775	1/2	98,532
3/4	2,275	3/4	12,971	3/4	23,554	3/4	34,310	3/4	45,022	3/4	55,718	3/4	66,479	3/4	77,240	3/4	87,999	3/4	98,756
4	2,499	4	13,189	4	23,778	4	34,534	4	45,243	4	55,942	4	66,704	4	77,465	4	88,223	4	98,980
1/4	2,724	1/4	13,407	1/4	24,002	1/4	34,758	1/4	45,464	1/4	56,167	1/4	66,928	1/4	77,689	1/4	88,448	1/4	99,204
1/2	2,949	1/2	13,625	1/2	24,226	1/2	34,983	1/2	45,685	1/2	56,391	1/2	67,152	1/2	77,913	1/2	88,672	1/2	99,428
3/4	3,173	3/4	13,843	3/4	24,450	3/4	35,207	3/4	45,906	3/4	56,615	3/4	67,376	3/4	78,137	3/4	88,896	3/4	99,652
5	3,398	5	14,061	5	24,674	5	35,431	5	46,128	5	56,839	5	67,600	5	78,361	5	89,120	5	99,876
1/4	3,622	1/4	14,279	1/4	24,899	1/4	35,655	1/4	46,349	1/4	57,063	1/4	67,824	1/4	78,586	1/4	89,344	1/4	100,101
1/2	3,847	1/2	14,498	1/2	25,123	1/2	35,879	1/2	46,570	1/2	57,288	1/2	68,049	1/2	78,810	1/2	89,568	1/2	100,325
3/4	4,071	3/4	14,716	3/4	25,347	3/4	36,103	3/4	46,791	3/4	57,512	3/4	68,273	3/4	79,034	3/4	89,792	3/4	100,549
6	4,295	6	14,934	6	25,571	6	36,327	6	47,012	6	57,736	6	68,497	6	79,258	6	90,016	6	100,773
1/4	4,519	1/4	15,152	1/4	25,795	1/4	36,551	1/4	47,233	1/4	57,960	1/4	68,721	1/4	79,482	1/4	90,240	1/4	100,997
1/2	4,744	1/2	15,370	1/2	26,019	1/2	36,775	1/2	47,454	1/2	58,184	1/2	68,945	1/2	79,706	1/2	90,464	1/2	101,221
3/4	4,968	3/4	15,588	3/4	26,243	3/4	36,999	3/4	47,675	3/4	58,409	3/4	69,170	3/4	79,931	3/4	90,688	3/4	101,445
7	5,192	7	15,806	7	26,467	7	37,223	7	47,897	7	58,633	7	69,394	7	80,155	7	90,913	7	101,669
1/4	5,416	1/4	16,024	1/4	26,691	1/4	37,448	1/4	48,118	1/4	58,857	1/4	69,618	1/4	80,379	1/4	91,137	1/4	101,893
1/2	5,641	1/2	16,243	1/2	26,915	1/2	37,672	1/2	48,339	1/2	59,081	1/2	69,842	1/2	80,603	1/2	91,361	1/2	102,117
3/4	5,865	3/4	16,461	3/4	27,139	3/4	37,896	3/4	48,560	3/4	59,305	3/4	70,066	3/4	80,827	3/4	91,585	3/4	102,342
8	6,089	8	16,679	8	27,364	8	38,120	8	48,781	8	59,529	8	70,291	8	81,052	8	91,809	8	102,566
1/4	6,313	1/4	16,897	1/4	27,588	1/4	38,344	1/4	49,004	1/4	59,754	1/4	70,515	1/4	81,276	1/4	92,033	1/4	102,790
1/2	6,537	1/2	17,115	1/2	27,812	1/2	38,568	1/2	49,226	1/2	59,978	1/2	70,739	1/2	81,500	1/2	92,257	1/2	103,014
3/4	6,762	3/4	17,333	3/4	28,036	3/4	38,792	3/4	49,449	3/4	60,202	3/4	70,963	3/4	81,724	3/4	92,481	3/4	103,238
9	6,986	9	17,551	9	28,260	9	39,016	9	49,671	9	60,426	9	71,187	9	81,948	9	92,705	9	103,462
1/4	7,210	1/4	17,769	1/4	28,484	1/4	39,240	1/4	49,894	1/4	60,650	1/4	71,411	1/4	82,173	1/4	92,929	1/4	103,686
1/2	7,434	1/2	17,988	1/2	28,708	1/2	39,464	1/2	50,117	1/2	60,875	1/2	71,636	1/2	82,397	1/2	93,154	1/2	103,910
3/4	7,658	3/4	18,206	3/4	28,932	3/4	39,688	3/4	50,339	3/4	61,099	3/4	71,860	3/4	82,621	3/4	93,378	3/4	104,134
10	7,882	10	18,424	10	29,156	10	39,913	10	50,562	10	61,323	10	72,084	10	82,845	10	93,602	10	104,358
1/4	8,106	1/4	18,642	1/4	29,380	1/4	40,137	1/4	50,786	1/4	61,547	1/4	72,308	1/4	83,069	1/4	93,826	1/4	104,583
1/2	8,330	1/2	18,860	1/2	29,604	1/2	40,361	1/2	51,010	1/2	61,771	1/2	72,532	1/2	83,293	1/2	94,050	1/2	104,807
3/4	8,554	3/4	19,078	3/4	29,829	3/4	40,585	3/4	51,234	3/4	61,996	3/4	72,757	3/4	83,517	3/4	94,274	3/4	105,031
11	8,778	11	19,296	11	30,053	11	40,809	11	51,459	11	62,220	11	72,981	11	83,741	11	94,498	11	105,255
1/4	9,003	1/4	19,520	1/4	30,277	1/4	41,033	1/4	51,683	1/4	62,444	1/4	73,205	1/4	83,966	1/4	94,722	1/4	105,479
1/2	9,227	1/2	19,744	1/2	30,501	1/2	41,257	1/2	51,907	1/2	62,668	1/2	73,429	1/2	84,190	1/2	94,946	1/2	105,703
3/4	9,451	3/4	19,969	3/4	30,725	3/4	41,481	3/4	52,131	3/4	62,892	3/4	73,653	3/4	84,414	3/4	95,170	3/4	105,927

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 ON CENTERLINE AND 26'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "DBL 97"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 18'-11 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	106,151	0	115,873	0	125,244	0	134,615	0	143,950	0		0		0		0		0	
1/4	106,375	1/4	116,068	1/4	125,439	1/4	134,810	1/4	144,144	1/4		1/4		1/4		1/4		1/4	
1/2	106,599	1/2	116,263	1/2	125,634	1/2	135,005	1/2	144,337	1/2		1/2		1/2		1/2		1/2	
3/4	106,823	3/4	116,459	3/4	125,829	3/4	135,200	3/4	144,531	3/4		3/4		3/4		3/4		3/4	
1	107,048	1	116,654	1	126,025	1	135,395	1	144,724	1		1		1		1		1	
1/4	107,272	1/4	116,849	1/4	126,220	1/4	135,591	1/4	144,918	1/4		1/4		1/4		1/4		1/4	
1/2	107,497	1/2	117,044	1/2	126,415	1/2	135,786	1/2	145,111	1/2		1/2		1/2		1/2		1/2	
3/4	107,722	3/4	117,240	3/4	126,610	3/4	135,981	3/4	145,305	3/4		3/4		3/4		3/4		3/4	
2	107,946	2	117,435	2	126,806	2	136,176	2	145,498	2		2		2		2		2	
1/4	108,171	1/4	117,630	1/4	127,001	1/4	136,372	1/4	145,692	1/4		1/4		1/4		1/4		1/4	
1/2	108,396	1/2	117,825	1/2	127,196	1/2	136,567	1/2	145,885	1/2		1/2		1/2		1/2		1/2	
3/4	108,620	3/4	118,020	3/4	127,391	3/4	136,762	3/4	146,079	3/4		3/4		3/4		3/4		3/4	
3	108,845	3	118,216	3	127,586	3	136,957	3	146,272	3		3		3		3		3	
1/4	109,040	1/4	118,411	1/4	127,782	1/4	137,152	1/4	146,466	1/4		1/4		1/4		1/4		1/4	
1/2	109,235	1/2	118,606	1/2	127,977	1/2	137,348	1/2	146,659	1/2		1/2		1/2		1/2		1/2	
3/4	109,431	3/4	118,801	3/4	128,172	3/4	137,543	3/4	146,852	3/4		3/4		3/4		3/4		3/4	
4	109,626	4	118,997	4	128,367	4	137,738	4	147,046	4		4		4		4		4	
1/4	109,821	1/4	119,192	1/4	128,563	1/4	137,933	1/4	147,239	1/4		1/4		1/4		1/4		1/4	
1/2	110,016	1/2	119,387	1/2	128,758	1/2	138,129	1/2	147,433	1/2		1/2		1/2		1/2		1/2	
3/4	110,211	3/4	119,582	3/4	128,953	3/4	138,324	3/4	147,626	3/4		3/4		3/4		3/4		3/4	
5	110,407	5	119,777	5	129,148	5	138,519	5	147,820	5		5		5		5		5	
1/4	110,602	1/4	119,973	1/4	129,343	1/4	138,714	1/4	148,010	1/4		1/4		1/4		1/4		1/4	
1/2	110,797	1/2	120,168	1/2	129,539	1/2	138,910	1/2	148,201	1/2		1/2		1/2		1/2		1/2	
3/4	110,992	3/4	120,363	3/4	129,734	3/4	139,105	3/4	148,392	3/4		3/4		3/4		3/4		3/4	
6	111,188	6	120,558	6	129,929	6	139,300	6	148,582	6		6		6		6		6	
1/4	111,383	1/4	120,754	1/4	130,124	1/4	139,495	1/4	148,773	1/4		1/4		1/4		1/4		1/4	
1/2	111,578	1/2	120,949	1/2	130,320	1/2	139,690	1/2	148,963	1/2		1/2		1/2		1/2		1/2	
3/4	111,773	3/4	121,144	3/4	130,515	3/4	139,886	3/4	149,154	3/4		3/4		3/4		3/4		3/4	
7	111,968	7	121,339	7	130,710	7	140,081	7	149,345	7		7		7		7		7	
1/4	112,164	1/4	121,534	1/4	130,905	1/4	140,274	1/4	149,535	1/4		1/4		1/4		1/4		1/4	
1/2	112,359	1/2	121,730	1/2	131,101	1/2	140,468	1/2	149,726	1/2		1/2		1/2		1/2		1/2	
3/4	112,554	3/4	121,925	3/4	131,296	3/4	140,661	3/4	149,916	3/4		3/4		3/4		3/4		3/4	
8	112,749	8	122,120	8	131,491	8	140,855	8	150,107	8		8		8		8		8	
1/4	112,945	1/4	122,315	1/4	131,686	1/4	141,048	1/4	150,253	1/4		1/4		1/4		1/4		1/4	
1/2	113,140	1/2	122,511	1/2	131,881	1/2	141,242	1/2	150,398	1/2		1/2		1/2		1/2		1/2	
3/4	113,335	3/4	122,706	3/4	132,077	3/4	141,435	3/4	150,544	3/4		3/4		3/4		3/4		3/4	
9	113,530	9	122,901	9	132,272	9	141,629	9	150,690	9		9		9		9		9	
1/4	113,725	1/4	123,096	1/4	132,467	1/4	141,822	1/4	150,745	1/4		1/4		1/4		1/4		1/4	
1/2	113,921	1/2	123,291	1/2	132,662	1/2	142,016	1/2	150,801	1/2		1/2		1/2		1/2		1/2	
3/4	114,116	3/4	123,487	3/4	132,858	3/4	142,209	3/4	150,857	3/4		3/4		3/4		3/4		3/4	
10	114,311	10	123,682	10	133,053	10	142,403	10	150,912	10		10		10		10		10	
1/4	114,506	1/4	123,877	1/4	133,248	1/4	142,596	1/4	150,935	1/4		1/4		1/4		1/4		1/4	
1/2	114,702	1/2	124,072	1/2	133,443	1/2	142,790	1/2	150,957	1/2		1/2		1/2		1/2		1/2	
3/4	114,897	3/4	124,268	3/4	133,638	3/4	142,983	3/4		3/4		3/4		3/4		3/4		3/4	
11	115,092	11	124,463	11	133,834	11	143,176	11		11		11		11		11		11	
1/4	115,287	1/4	124,658	1/4	134,029	1/4	143,370	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	115,482	1/2	124,853	1/2	134,224	1/2	143,563	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	115,678	3/4	125,049	3/4	134,419	3/4	143,757	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/31/2013 SW
CALCULATED: 08/01/2013 CL
PRINTED: 08/01/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "DBL 97"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 18'-11 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	27	0	10,823	0	22,553	0	34,607	0	46,662	0	58,717	0	70,771	0	82,826	0	94,879	0	106,928
1/4	77	1/4	11,074	1/4	22,804	1/4	34,859	1/4	46,913	1/4	58,968	1/4	71,022	1/4	83,077	1/4	95,130	1/4	107,179
1/2	128	1/2	11,325	1/2	23,055	1/2	35,110	1/2	47,164	1/2	59,219	1/2	71,273	1/2	83,328	1/2	95,381	1/2	107,430
3/4	178	3/4	11,576	3/4	23,306	3/4	35,361	3/4	47,415	3/4	59,470	3/4	71,524	3/4	83,579	3/4	95,632	3/4	107,681
1	228	1	11,827	1	23,557	1	35,612	1	47,667	1	59,721	1	71,776	1	83,830	1	95,883	1	107,932
1/4	379	1/4	12,071	1/4	23,809	1/4	35,863	1/4	47,918	1/4	59,972	1/4	72,027	1/4	84,081	1/4	96,134	1/4	108,183
1/2	529	1/2	12,314	1/2	24,060	1/2	36,114	1/2	48,169	1/2	60,223	1/2	72,278	1/2	84,332	1/2	96,385	1/2	108,434
3/4	680	3/4	12,558	3/4	24,311	3/4	36,365	3/4	48,420	3/4	60,474	3/4	72,529	3/4	84,584	3/4	96,636	3/4	108,685
2	831	2	12,801	2	24,562	2	36,617	2	48,671	2	60,726	2	72,780	2	84,835	2	96,887	2	108,936
1/4	1,069	1/4	13,044	1/4	24,813	1/4	36,868	1/4	48,922	1/4	60,977	1/4	73,031	1/4	85,086	1/4	97,138	1/4	109,187
1/2	1,308	1/2	13,288	1/2	25,064	1/2	37,119	1/2	49,173	1/2	61,228	1/2	73,282	1/2	85,337	1/2	97,389	1/2	109,438
3/4	1,546	3/4	13,531	3/4	25,315	3/4	37,370	3/4	49,424	3/4	61,479	3/4	73,534	3/4	85,588	3/4	97,640	3/4	109,689
3	1,785	3	13,775	3	25,567	3	37,621	3	49,676	3	61,730	3	73,785	3	85,839	3	97,891	3	109,940
1/4	2,036	1/4	14,018	1/4	25,818	1/4	37,872	1/4	49,927	1/4	61,981	1/4	74,036	1/4	86,090	1/4	98,142	1/4	110,191
1/2	2,287	1/2	14,260	1/2	26,069	1/2	38,123	1/2	50,178	1/2	62,232	1/2	74,287	1/2	86,342	1/2	98,393	1/2	110,442
3/4	2,538	3/4	14,503	3/4	26,320	3/4	38,374	3/4	50,429	3/4	62,484	3/4	74,538	3/4	86,593	3/4	98,644	3/4	110,693
4	2,789	4	14,746	4	26,571	4	38,626	4	50,680	4	62,735	4	74,789	4	86,844	4	98,895	4	110,944
1/4	3,041	1/4	14,989	1/4	26,822	1/4	38,877	1/4	50,931	1/4	62,986	1/4	75,040	1/4	87,095	1/4	99,146	1/4	111,195
1/2	3,292	1/2	15,232	1/2	27,073	1/2	39,128	1/2	51,182	1/2	63,237	1/2	75,292	1/2	87,346	1/2	99,397	1/2	111,446
3/4	3,543	3/4	15,475	3/4	27,324	3/4	39,379	3/4	51,434	3/4	63,488	3/4	75,543	3/4	87,597	3/4	99,648	3/4	111,697
5	3,794	5	15,718	5	27,576	5	39,630	5	51,685	5	63,739	5	75,794	5	87,848	5	99,900	5	111,948
1/4	4,045	1/4	15,961	1/4	27,827	1/4	39,881	1/4	51,936	1/4	63,990	1/4	76,045	1/4	88,099	1/4	100,151	1/4	112,199
1/2	4,296	1/2	16,204	1/2	28,078	1/2	40,132	1/2	52,187	1/2	64,242	1/2	76,296	1/2	88,351	1/2	100,402	1/2	112,450
3/4	4,547	3/4	16,447	3/4	28,329	3/4	40,384	3/4	52,438	3/4	64,493	3/4	76,547	3/4	88,602	3/4	100,653	3/4	112,701
6	4,798	6	16,690	6	28,580	6	40,635	6	52,689	6	64,744	6	76,798	6	88,853	6	100,904	6	112,952
1/4	5,050	1/4	16,932	1/4	28,831	1/4	40,886	1/4	52,940	1/4	64,995	1/4	77,049	1/4	89,104	1/4	101,155	1/4	113,203
1/2	5,301	1/2	17,175	1/2	29,082	1/2	41,137	1/2	53,192	1/2	65,246	1/2	77,301	1/2	89,355	1/2	101,406	1/2	113,454
3/4	5,552	3/4	17,418	3/4	29,334	3/4	41,388	3/4	53,443	3/4	65,497	3/4	77,552	3/4	89,606	3/4	101,657	3/4	113,705
7	5,803	7	17,661	7	29,585	7	41,639	7	53,694	7	65,748	7	77,803	7	89,857	7	101,908	7	113,956
1/4	6,054	1/4	17,904	1/4	29,836	1/4	41,890	1/4	53,945	1/4	65,999	1/4	78,054	1/4	90,109	1/4	102,159	1/4	114,207
1/2	6,305	1/2	18,147	1/2	30,087	1/2	42,142	1/2	54,196	1/2	66,251	1/2	78,305	1/2	90,360	1/2	102,410	1/2	114,458
3/4	6,556	3/4	18,390	3/4	30,338	3/4	42,393	3/4	54,447	3/4	66,502	3/4	78,556	3/4	90,611	3/4	102,661	3/4	114,709
8	6,807	8	18,633	8	30,589	8	42,644	8	54,698	8	66,753	8	78,807	8	90,862	8	102,912	8	114,960
1/4	7,058	1/4	18,876	1/4	30,840	1/4	42,895	1/4	54,949	1/4	67,004	1/4	79,059	1/4	91,113	1/4	103,163	1/4	115,211
1/2	7,309	1/2	19,119	1/2	31,092	1/2	43,146	1/2	55,201	1/2	67,255	1/2	79,310	1/2	91,364	1/2	103,414	1/2	115,462
3/4	7,560	3/4	19,362	3/4	31,343	3/4	43,397	3/4	55,452	3/4	67,506	3/4	79,561	3/4	91,615	3/4	103,665	3/4	115,713
9	7,811	9	19,605	9	31,594	9	43,648	9	55,703	9	67,757	9	79,812	9	91,867	9	103,916	9	115,965
1/4	8,062	1/4	19,848	1/4	31,845	1/4	43,899	1/4	55,954	1/4	68,009	1/4	80,063	1/4	92,118	1/4	104,167	1/4	116,216
1/2	8,313	1/2	20,091	1/2	32,096	1/2	44,151	1/2	56,205	1/2	68,260	1/2	80,314	1/2	92,369	1/2	104,418	1/2	116,467
3/4	8,564	3/4	20,334	3/4	32,347	3/4	44,402	3/4	56,456	3/4	68,511	3/4	80,565	3/4	92,620	3/4	104,669	3/4	116,718
10	8,815	10	20,577	10	32,598	10	44,653	10	56,707	10	68,762	10	80,817	10	92,871	10	104,920	10	116,969
1/4	9,066	1/4	20,820	1/4	32,849	1/4	44,904	1/4	56,959	1/4	69,013	1/4	81,068	1/4	93,122	1/4	105,171	1/4	117,220
1/2	9,317	1/2	21,062	1/2	33,101	1/2	45,155	1/2	57,210	1/2	69,264	1/2	81,319	1/2	93,373	1/2	105,422	1/2	117,471
3/4	9,568	3/4	21,305	3/4	33,352	3/4	45,406	3/4	57,461	3/4	69,515	3/4	81,570	3/4	93,624	3/4	105,673	3/4	117,722
11	9,819	11	21,548	11	33,603	11	45,657	11	57,712	11	69,767	11	81,821	11	93,875	11	105,924	11	117,973
1/4	10,070	1/4	21,799	1/4	33,854	1/4	45,909	1/4	57,963	1/4	70,018	1/4	82,072	1/4	94,126	1/4	106,175	1/4	118,224
1/2	10,321	1/2	22,051	1/2	34,105	1/2	46,160	1/2	58,214	1/2	70,269	1/2	82,323	1/2	94,377	1/2	106,426	1/2	118,475
3/4	10,572	3/4	22,302	3/4	34,356	3/4	46,411	3/4	58,465	3/4	70,520	3/4	82,574	3/4	94,628	3/4	106,677	3/4	118,726

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 ON CENTERLINE AND 30'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "DBL 97"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 18'-11 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	118,977	0	131,025	0	143,074	0	155,123	0	167,172	0		0		0		0		0	
1/4	119,228	1/4	131,276	1/4	143,325	1/4	155,374	1/4	167,374	1/4		1/4		1/4		1/4		1/4	
1/2	119,479	1/2	131,527	1/2	143,576	1/2	155,625	1/2	167,623	1/2		1/2		1/2		1/2		1/2	
3/4	119,730	3/4	131,778	3/4	143,827	3/4	155,876	3/4	167,871	3/4		3/4		3/4		3/4		3/4	
1	119,981	1	132,030	1	144,078	1	156,127	1	168,120	1		1		1		1		1	
1/4	120,232	1/4	132,281	1/4	144,329	1/4	156,378	1/4	168,369	1/4		1/4		1/4		1/4		1/4	
1/2	120,483	1/2	132,532	1/2	144,580	1/2	156,629	1/2	168,617	1/2		1/2		1/2		1/2		1/2	
3/4	120,734	3/4	132,783	3/4	144,831	3/4	156,880	3/4	168,866	3/4		3/4		3/4		3/4		3/4	
2	120,985	2	133,034	2	145,082	2	157,131	2	169,115	2		2		2		2		2	
1/4	121,236	1/4	133,285	1/4	145,333	1/4	157,382	1/4	169,363	1/4		1/4		1/4		1/4		1/4	
1/2	121,487	1/2	133,536	1/2	145,584	1/2	157,633	1/2	169,612	1/2		1/2		1/2		1/2		1/2	
3/4	121,738	3/4	133,787	3/4	145,835	3/4	157,884	3/4	169,861	3/4		3/4		3/4		3/4		3/4	
3	121,989	3	134,038	3	146,086	3	158,135	3	170,109	3		3		3		3		3	
1/4	122,240	1/4	134,289	1/4	146,337	1/4	158,386	1/4	170,358	1/4		1/4		1/4		1/4		1/4	
1/2	122,491	1/2	134,540	1/2	146,588	1/2	158,637	1/2	170,607	1/2		1/2		1/2		1/2		1/2	
3/4	122,742	3/4	134,791	3/4	146,839	3/4	158,888	3/4	170,856	3/4		3/4		3/4		3/4		3/4	
4	122,993	4	135,042	4	147,090	4	159,139	4	171,104	4		4		4		4		4	
1/4	123,244	1/4	135,293	1/4	147,341	1/4	159,390	1/4	171,353	1/4		1/4		1/4		1/4		1/4	
1/2	123,495	1/2	135,544	1/2	147,592	1/2	159,641	1/2	171,602	1/2		1/2		1/2		1/2		1/2	
3/4	123,746	3/4	135,795	3/4	147,844	3/4	159,892	3/4	171,850	3/4		3/4		3/4		3/4		3/4	
5	123,997	5	136,046	5	148,095	5	160,143	5	172,099	5		5		5		5		5	
1/4	124,248	1/4	136,297	1/4	148,346	1/4	160,394	1/4	172,344	1/4		1/4		1/4		1/4		1/4	
1/2	124,499	1/2	136,548	1/2	148,597	1/2	160,645	1/2	172,590	1/2		1/2		1/2		1/2		1/2	
3/4	124,750	3/4	136,799	3/4	148,848	3/4	160,896	3/4	172,835	3/4		3/4		3/4		3/4		3/4	
6	125,001	6	137,050	6	149,099	6	161,147	6	173,081	6		6		6		6		6	
1/4	125,252	1/4	137,301	1/4	149,350	1/4	161,398	1/4	173,326	1/4		1/4		1/4		1/4		1/4	
1/2	125,503	1/2	137,552	1/2	149,601	1/2	161,649	1/2	173,572	1/2		1/2		1/2		1/2		1/2	
3/4	125,754	3/4	137,803	3/4	149,852	3/4	161,900	3/4	173,817	3/4		3/4		3/4		3/4		3/4	
7	126,005	7	138,054	7	150,103	7	162,151	7	174,063	7		7		7		7		7	
1/4	126,256	1/4	138,305	1/4	150,354	1/4	162,400	1/4	174,308	1/4		1/4		1/4		1/4		1/4	
1/2	126,507	1/2	138,556	1/2	150,605	1/2	162,649	1/2	174,554	1/2		1/2		1/2		1/2		1/2	
3/4	126,758	3/4	138,807	3/4	150,856	3/4	162,897	3/4	174,799	3/4		3/4		3/4		3/4		3/4	
8	127,009	8	139,058	8	151,107	8	163,146	8	175,045	8		8		8		8		8	
1/4	127,260	1/4	139,309	1/4	151,358	1/4	163,395	1/4	175,240	1/4		1/4		1/4		1/4		1/4	
1/2	127,511	1/2	139,560	1/2	151,609	1/2	163,644	1/2	175,435	1/2		1/2		1/2		1/2		1/2	
3/4	127,762	3/4	139,811	3/4	151,860	3/4	163,892	3/4	175,631	3/4		3/4		3/4		3/4		3/4	
9	128,013	9	140,062	9	152,111	9	164,141	9	175,826	9		9		9		9		9	
1/4	128,264	1/4	140,313	1/4	152,362	1/4	164,390	1/4	175,921	1/4		1/4		1/4		1/4		1/4	
1/2	128,515	1/2	140,564	1/2	152,613	1/2	164,638	1/2	176,015	1/2		1/2		1/2		1/2		1/2	
3/4	128,766	3/4	140,815	3/4	152,864	3/4	164,887	3/4	176,110	3/4		3/4		3/4		3/4		3/4	
10	129,017	10	141,066	10	153,115	10	165,136	10	176,205	10		10		10		10		10	
1/4	129,268	1/4	141,317	1/4	153,366	1/4	165,384	1/4	176,230	1/4		1/4		1/4		1/4		1/4	
1/2	129,519	1/2	141,568	1/2	153,617	1/2	165,633	1/2	176,255	1/2		1/2		1/2		1/2		1/2	
3/4	129,770	3/4	141,819	3/4	153,868	3/4	165,882	3/4		3/4		3/4		3/4		3/4		3/4	
11	130,021	11	142,070	11	154,119	11	166,130	11		11		11		11		11		11	
1/4	130,272	1/4	142,321	1/4	154,370	1/4	166,379	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	130,523	1/2	142,572	1/2	154,621	1/2	166,628	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	130,774	3/4	142,823	3/4	154,872	3/4	166,876	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/31/2013 SW
CALCULATED: 08/01/2013 CL
PRINTED: 08/01/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "DBL 97"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 18'-11"

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	27	0	9,539	0	20,134	0	30,752	0	41,370	0	51,989	0	62,607	0	73,225	0	83,842	0	94,459
1/4	71	1/4	9,760	1/4	20,355	1/4	30,973	1/4	41,592	1/4	52,210	1/4	62,828	1/4	73,446	1/4	84,063	1/4	94,676
1/2	116	1/2	9,981	1/2	20,577	1/2	31,195	1/2	41,813	1/2	52,431	1/2	63,049	1/2	73,667	1/2	84,284	1/2	94,897
3/4	160	3/4	10,202	3/4	20,798	3/4	31,416	3/4	42,034	3/4	52,652	3/4	63,270	3/4	73,888	3/4	84,505	3/4	95,119
1	204	1	10,424	1	21,019	1	31,637	1	42,255	1	52,873	1	63,492	1	74,110	1	84,727	1	95,340
1/4	337	1/4	10,645	1/4	21,240	1/4	31,858	1/4	42,476	1/4	53,095	1/4	63,713	1/4	74,331	1/4	84,948	1/4	95,561
1/2	469	1/2	10,866	1/2	21,461	1/2	32,080	1/2	42,698	1/2	53,316	1/2	63,934	1/2	74,552	1/2	85,169	1/2	95,782
3/4	602	3/4	11,087	3/4	21,683	3/4	32,301	3/4	42,919	3/4	53,537	3/4	64,155	3/4	74,773	3/4	85,390	3/4	96,003
2	735	2	11,308	2	21,904	2	32,522	2	43,140	2	53,758	2	64,376	2	74,995	2	85,611	2	96,224
1/4	945	1/4	11,529	1/4	22,125	1/4	32,743	1/4	43,361	1/4	53,979	1/4	64,598	1/4	75,216	1/4	85,832	1/4	96,445
1/2	1,155	1/2	11,750	1/2	22,346	1/2	32,964	1/2	43,583	1/2	54,201	1/2	64,819	1/2	75,437	1/2	86,053	1/2	96,666
3/4	1,365	3/4	11,971	3/4	22,567	3/4	33,186	3/4	43,804	3/4	54,422	3/4	65,040	3/4	75,658	3/4	86,274	3/4	96,887
3	1,575	3	12,192	3	22,789	3	33,407	3	44,025	3	54,643	3	65,261	3	75,879	3	86,495	3	97,109
1/4	1,797	1/4	12,412	1/4	23,010	1/4	33,628	1/4	44,246	1/4	54,864	1/4	65,482	1/4	76,101	1/4	86,717	1/4	97,330
1/2	2,018	1/2	12,633	1/2	23,231	1/2	33,849	1/2	44,467	1/2	55,086	1/2	65,704	1/2	76,322	1/2	86,938	1/2	97,551
3/4	2,239	3/4	12,853	3/4	23,452	3/4	34,070	3/4	44,689	3/4	55,307	3/4	65,925	3/4	76,543	3/4	87,159	3/4	97,772
4	2,460	4	13,074	4	23,673	4	34,292	4	44,910	4	55,528	4	66,146	4	76,764	4	87,380	4	97,993
1/4	2,681	1/4	13,295	1/4	23,895	1/4	34,513	1/4	45,131	1/4	55,749	1/4	66,367	1/4	76,985	1/4	87,601	1/4	98,214
1/2	2,903	1/2	13,515	1/2	24,116	1/2	34,734	1/2	45,352	1/2	55,970	1/2	66,589	1/2	77,207	1/2	87,822	1/2	98,435
3/4	3,124	3/4	13,736	3/4	24,337	3/4	34,955	3/4	45,573	3/4	56,192	3/4	66,810	3/4	77,428	3/4	88,043	3/4	98,656
5	3,345	5	13,956	5	24,558	5	35,176	5	45,795	5	56,413	5	67,031	5	77,649	5	88,264	5	98,877
1/4	3,566	1/4	14,177	1/4	24,780	1/4	35,398	1/4	46,016	1/4	56,634	1/4	67,252	1/4	77,870	1/4	88,485	1/4	99,098
1/2	3,787	1/2	14,398	1/2	25,001	1/2	35,619	1/2	46,237	1/2	56,855	1/2	67,473	1/2	78,092	1/2	88,706	1/2	99,320
3/4	4,009	3/4	14,618	3/4	25,222	3/4	35,840	3/4	46,458	3/4	57,076	3/4	67,695	3/4	78,313	3/4	88,928	3/4	99,541
6	4,230	6	14,839	6	25,443	6	36,061	6	46,679	6	57,298	6	67,916	6	78,534	6	89,149	6	99,762
1/4	4,451	1/4	15,059	1/4	25,664	1/4	36,283	1/4	46,901	1/4	57,519	1/4	68,137	1/4	78,755	1/4	89,370	1/4	99,983
1/2	4,672	1/2	15,280	1/2	25,886	1/2	36,504	1/2	47,122	1/2	57,740	1/2	68,358	1/2	78,976	1/2	89,591	1/2	100,204
3/4	4,893	3/4	15,501	3/4	26,107	3/4	36,725	3/4	47,343	3/4	57,961	3/4	68,579	3/4	79,198	3/4	89,812	3/4	100,425
7	5,115	7	15,721	7	26,328	7	36,946	7	47,564	7	58,182	7	68,801	7	79,419	7	90,033	7	100,646
1/4	5,336	1/4	15,942	1/4	26,549	1/4	37,167	1/4	47,786	1/4	58,404	1/4	69,022	1/4	79,640	1/4	90,254	1/4	100,867
1/2	5,557	1/2	16,162	1/2	26,770	1/2	37,389	1/2	48,007	1/2	58,625	1/2	69,243	1/2	79,861	1/2	90,475	1/2	101,088
3/4	5,778	3/4	16,383	3/4	26,992	3/4	37,610	3/4	48,228	3/4	58,846	3/4	69,464	3/4	80,082	3/4	90,696	3/4	101,310
8	6,000	8	16,604	8	27,213	8	37,831	8	48,449	8	59,067	8	69,685	8	80,304	8	90,918	8	101,531
1/4	6,221	1/4	16,824	1/4	27,434	1/4	38,052	1/4	48,670	1/4	59,289	1/4	69,907	1/4	80,525	1/4	91,139	1/4	101,752
1/2	6,442	1/2	17,045	1/2	27,655	1/2	38,273	1/2	48,892	1/2	59,510	1/2	70,128	1/2	80,746	1/2	91,360	1/2	101,973
3/4	6,663	3/4	17,265	3/4	27,876	3/4	38,495	3/4	49,113	3/4	59,731	3/4	70,349	3/4	80,967	3/4	91,581	3/4	102,194
9	6,884	9	17,486	9	28,098	9	38,716	9	49,334	9	59,952	9	70,570	9	81,188	9	91,802	9	102,415
1/4	7,106	1/4	17,707	1/4	28,319	1/4	38,937	1/4	49,555	1/4	60,173	1/4	70,792	1/4	81,410	1/4	92,023	1/4	102,636
1/2	7,327	1/2	17,927	1/2	28,540	1/2	39,158	1/2	49,776	1/2	60,395	1/2	71,013	1/2	81,631	1/2	92,244	1/2	102,857
3/4	7,548	3/4	18,148	3/4	28,761	3/4	39,379	3/4	49,998	3/4	60,616	3/4	71,234	3/4	81,852	3/4	92,465	3/4	103,078
10	7,769	10	18,368	10	28,983	10	39,601	10	50,219	10	60,837	10	71,455	10	82,073	10	92,686	10	103,299
1/4	7,990	1/4	18,589	1/4	29,204	1/4	39,822	1/4	50,440	1/4	61,058	1/4	71,676	1/4	82,294	1/4	92,907	1/4	103,521
1/2	8,212	1/2	18,810	1/2	29,425	1/2	40,043	1/2	50,661	1/2	61,279	1/2	71,898	1/2	82,516	1/2	93,129	1/2	103,742
3/4	8,433	3/4	19,030	3/4	29,646	3/4	40,264	3/4	50,882	3/4	61,501	3/4	72,119	3/4	82,737	3/4	93,350	3/4	103,963
11	8,654	11	19,251	11	29,867	11	40,486	11	51,104	11	61,722	11	72,340	11	82,958	11	93,571	11	104,184
1/4	8,875	1/4	19,472	1/4	30,089	1/4	40,707	1/4	51,325	1/4	61,943	1/4	72,561	1/4	83,179	1/4	93,792	1/4	104,405
1/2	9,096	1/2	19,692	1/2	30,310	1/2	40,928	1/2	51,546	1/2	62,164	1/2	72,782	1/2	83,400	1/2	94,013	1/2	104,626
3/4	9,318	3/4	19,913	3/4	30,531	3/4	41,149	3/4	51,767	3/4	62,385	3/4	73,004	3/4	83,621	3/4	94,234	3/4	104,847

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 ON CENTERLINE AND 25'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "DBL 97"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 18'-11"

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	105,068	0	115,681	0	126,294	0	136,908	0	147,480	0		0		0		0		0	
1/4	105,289	1/4	115,902	1/4	126,516	1/4	137,129	1/4	147,699	1/4		1/4		1/4		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		1/2		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		3/4		3/4		3/4	
1	105,953	1	116,566	1	127,179	1	137,792	1	148,356	1		1		1		1		1	
1/4	106,174	1/4	116,787	1/4	127,400	1/4	138,013	1/4	148,575	1/4		1/4		1/4		1/4		1/4	
1/2	106,395	1/2	117,008	1/2	127,621	1/2	138,234	1/2	148,794	1/2		1/2		1/2		1/2		1/2	
3/4	106,616	3/4	117,229	3/4	127,842	3/4	138,455	3/4	149,013	3/4		3/4		3/4		3/4		3/4	
2	106,837	2	117,450	2	128,063	2	138,676	2	149,232	2		2		2		2		2	
1/4	107,058	1/4	117,671	1/4	128,284	1/4	138,898	1/4	149,452	1/4		1/4		1/4		1/4		1/4	
1/2	107,279	1/2	117,892	1/2	128,506	1/2	139,119	1/2	149,671	1/2		1/2		1/2		1/2		1/2	
3/4	107,500	3/4	118,114	3/4	128,727	3/4	139,340	3/4	149,890	3/4		3/4		3/4		3/4		3/4	
3	107,722	3	118,335	3	128,948	3	139,561	3	150,109	3		3		3		3		3	
1/4	107,943	1/4	118,556	1/4	129,169	1/4	139,782	1/4	150,328	1/4		1/4		1/4		1/4		1/4	
1/2	108,164	1/2	118,777	1/2	129,390	1/2	140,003	1/2	150,547	1/2		1/2		1/2		1/2		1/2	
3/4	108,385	3/4	118,998	3/4	129,611	3/4	140,224	3/4	150,766	3/4		3/4		3/4		3/4		3/4	
4	108,606	4	119,219	4	129,832	4	140,445	4	150,985	4		4		4		4		4	
1/4	108,827	1/4	119,440	1/4	130,053	1/4	140,666	1/4	151,204	1/4		1/4		1/4		1/4		1/4	
1/2	109,048	1/2	119,661	1/2	130,274	1/2	140,887	1/2	151,423	1/2		1/2		1/2		1/2		1/2	
3/4	109,269	3/4	119,882	3/4	130,495	3/4	141,109	3/4	151,642	3/4		3/4		3/4		3/4		3/4	
5	109,490	5	120,104	5	130,717	5	141,330	5	151,861	5		5		5		5		5	
1/4	109,712	1/4	120,325	1/4	130,938	1/4	141,551	1/4	152,078	1/4		1/4		1/4		1/4		1/4	
1/2	109,933	1/2	120,546	1/2	131,159	1/2	141,772	1/2	152,294	1/2		1/2		1/2		1/2		1/2	
3/4	110,154	3/4	120,767	3/4	131,380	3/4	141,993	3/4	152,510	3/4		3/4		3/4		3/4		3/4	
6	110,375	6	120,988	6	131,601	6	142,214	6	152,726	6		6		6		6		6	
1/4	110,596	1/4	121,209	1/4	131,822	1/4	142,435	1/4	152,943	1/4		1/4		1/4		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		1/2		1/2		1/2	
3/4	111,038	3/4	121,651	3/4	132,264	3/4	142,877	3/4	153,375	3/4		3/4		3/4		3/4		3/4	
7	111,259	7	121,872	7	132,485	7	143,099	7	153,591	7		7		7		7		7	
1/4	111,480	1/4	122,093	1/4	132,707	1/4	143,318	1/4	153,808	1/4		1/4		1/4		1/4		1/4	
1/2	111,701	1/2	122,315	1/2	132,928	1/2	143,537	1/2	154,024	1/2		1/2		1/2		1/2		1/2	
3/4	111,923	3/4	122,536	3/4	133,149	3/4	143,756	3/4	154,240	3/4		3/4		3/4		3/4		3/4	
8	112,144	8	122,757	8	133,370	8	143,975	8	154,456	8		8		8		8		8	
1/4	112,365	1/4	122,978	1/4	133,591	1/4	144,194	1/4	154,628	1/4		1/4		1/4		1/4		1/4	
1/2	112,586	1/2	123,199	1/2	133,812	1/2	144,413	1/2	154,800	1/2		1/2		1/2		1/2		1/2	
3/4	112,807	3/4	123,420	3/4	134,033	3/4	144,632	3/4	154,972	3/4		3/4		3/4		3/4		3/4	
9	113,028	9	123,641	9	134,254	9	144,851	9	155,144	9		9		9		9		9	
1/4	113,249	1/4	123,862	1/4	134,475	1/4	145,070	1/4	155,228	1/4		1/4		1/4		1/4		1/4	
1/2	113,470	1/2	124,083	1/2	134,696	1/2	145,289	1/2	155,311	1/2		1/2		1/2		1/2		1/2	
3/4	113,691	3/4	124,305	3/4	134,918	3/4	145,508	3/4	155,395	3/4		3/4		3/4		3/4		3/4	
10	113,913	10	124,526	10	135,139	10	145,727	10	155,478	10		10		10		10		10	
1/4	114,134	1/4	124,747	1/4	135,360	1/4	145,946	1/4	155,501	1/4		1/4		1/4		1/4		1/4	
1/2	114,355	1/2	124,968	1/2	135,581	1/2	146,165	1/2	155,523	1/2		1/2		1/2		1/2		1/2	
3/4	114,576	3/4	125,189	3/4	135,802	3/4	146,385	3/4		3/4		3/4		3/4		3/4		3/4	
11	114,797	11	125,410	11	136,023	11	146,604	11		11		11		11		11		11	
1/4	115,018	1/4	125,631	1/4	136,244	1/4	146,823	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	115,239	1/2	125,852	1/2	136,465	1/2	147,042	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	115,460	3/4	126,073	3/4	136,686	3/4	147,261	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/31/2013 SW
CALCULATED: 08/01/2013 CL
PRINTED: 08/01/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2013

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