



# BARGE "DBL 110"

## 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	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8
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 4'-00 1/4"

LENGTH BETWEEN DRAFT MARKS: 160'-06"

July 22, 2015

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

<http://www.pmacorp.net>



# BARGE "DBL 110"

## 1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 19'-01 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	9,250	0	19,749	0	30,485	0	41,222	0	51,853	0	62,345	0	73,087	0	83,828	0	94,565
1/4	65	1/4	9,474	1/4	19,973	1/4	30,709	1/4	41,443	1/4	52,077	1/4	62,569	1/4	73,311	1/4	84,052	1/4	94,789
1/2	102	1/2	9,698	1/2	20,196	1/2	30,933	1/2	41,664	1/2	52,300	1/2	62,793	1/2	73,535	1/2	84,275	1/2	95,013
3/4	139	3/4	9,921	3/4	20,420	3/4	31,157	3/4	41,884	3/4	52,524	3/4	63,017	3/4	73,758	3/4	84,499	3/4	95,236
1	177	1	10,145	1	20,644	1	31,380	1	42,105	1	52,748	1	63,241	1	73,982	1	84,723	1	95,460
1/4	289	1/4	10,363	1/4	20,867	1/4	31,604	1/4	42,326	1/4	52,946	1/4	63,464	1/4	74,206	1/4	84,946	1/4	95,684
1/2	401	1/2	10,581	1/2	21,091	1/2	31,828	1/2	42,546	1/2	53,144	1/2	63,688	1/2	74,430	1/2	85,170	1/2	95,907
3/4	513	3/4	10,798	3/4	21,315	3/4	32,051	3/4	42,767	3/4	53,342	3/4	63,912	3/4	74,654	3/4	85,394	3/4	96,131
2	625	2	11,016	2	21,538	2	32,275	2	42,988	2	53,540	2	64,136	2	74,877	2	85,618	2	96,355
1/4	812	1/4	11,234	1/4	21,762	1/4	32,499	1/4	43,209	1/4	53,738	1/4	64,360	1/4	75,101	1/4	85,841	1/4	96,579
1/2	999	1/2	11,452	1/2	21,986	1/2	32,722	1/2	43,429	1/2	53,936	1/2	64,583	1/2	75,325	1/2	86,065	1/2	96,802
3/4	1,186	3/4	11,670	3/4	22,209	3/4	32,946	3/4	43,650	3/4	54,134	3/4	64,807	3/4	75,549	3/4	86,289	3/4	97,026
3	1,373	3	11,887	3	22,433	3	33,170	3	43,871	3	54,332	3	65,031	3	75,773	3	86,512	3	97,250
1/4	1,597	1/4	12,105	1/4	22,657	1/4	33,393	1/4	44,091	1/4	54,551	1/4	65,255	1/4	75,996	1/4	86,736	1/4	97,473
1/2	1,821	1/2	12,323	1/2	22,880	1/2	33,617	1/2	44,312	1/2	54,770	1/2	65,478	1/2	76,220	1/2	86,960	1/2	97,697
3/4	2,046	3/4	12,540	3/4	23,104	3/4	33,841	3/4	44,533	3/4	54,989	3/4	65,702	3/4	76,444	3/4	87,183	3/4	97,921
4	2,270	4	12,758	4	23,328	4	34,064	4	44,754	4	55,208	4	65,926	4	76,668	4	87,407	4	98,144
1/4	2,495	1/4	12,975	1/4	23,551	1/4	34,288	1/4	44,974	1/4	55,427	1/4	66,150	1/4	76,891	1/4	87,631	1/4	98,368
1/2	2,719	1/2	13,193	1/2	23,775	1/2	34,512	1/2	45,195	1/2	55,645	1/2	66,374	1/2	77,115	1/2	87,854	1/2	98,592
3/4	2,943	3/4	13,411	3/4	23,999	3/4	34,735	3/4	45,416	3/4	55,864	3/4	66,597	3/4	77,339	3/4	88,078	3/4	98,815
5	3,168	5	13,629	5	24,222	5	34,959	5	45,636	5	56,083	5	66,821	5	77,563	5	88,302	5	99,039
1/4	3,381	1/4	13,846	1/4	24,446	1/4	35,183	1/4	45,857	1/4	56,306	1/4	67,045	1/4	77,787	1/4	88,526	1/4	99,263
1/2	3,594	1/2	14,064	1/2	24,670	1/2	35,406	1/2	46,078	1/2	56,529	1/2	67,269	1/2	78,010	1/2	88,749	1/2	99,487
3/4	3,807	3/4	14,282	3/4	24,893	3/4	35,630	3/4	46,299	3/4	56,752	3/4	67,492	3/4	78,234	3/4	88,973	3/4	99,710
6	4,020	6	14,500	6	25,117	6	35,854	6	46,519	6	56,975	6	67,716	6	78,458	6	89,197	6	99,934
1/4	4,222	1/4	14,717	1/4	25,341	1/4	36,077	1/4	46,740	1/4	57,198	1/4	67,940	1/4	78,682	1/4	89,420	1/4	100,158
1/2	4,424	1/2	14,935	1/2	25,565	1/2	36,301	1/2	46,961	1/2	57,422	1/2	68,164	1/2	78,905	1/2	89,644	1/2	100,381
3/4	4,627	3/4	15,153	3/4	25,788	3/4	36,525	3/4	47,181	3/4	57,646	3/4	68,388	3/4	79,129	3/4	89,868	3/4	100,605
7	4,829	7	15,370	7	26,012	7	36,749	7	47,402	7	57,870	7	68,611	7	79,353	7	90,091	7	100,829
1/4	5,041	1/4	15,588	1/4	26,236	1/4	36,972	1/4	47,623	1/4	58,094	1/4	68,835	1/4	79,577	1/4	90,315	1/4	101,052
1/2	5,254	1/2	15,806	1/2	26,459	1/2	37,196	1/2	47,844	1/2	58,317	1/2	69,059	1/2	79,801	1/2	90,539	1/2	101,276
3/4	5,467	3/4	16,024	3/4	26,683	3/4	37,420	3/4	48,064	3/4	58,541	3/4	69,283	3/4	80,024	3/4	90,762	3/4	101,500
8	5,679	8	16,241	8	26,907	8	37,643	8	48,285	8	58,765	8	69,507	8	80,248	8	90,986	8	101,723
1/4	5,902	1/4	16,459	1/4	27,130	1/4	37,867	1/4	48,507	1/4	58,989	1/4	69,730	1/4	80,472	1/4	91,210	1/4	101,947
1/2	6,125	1/2	16,677	1/2	27,354	1/2	38,091	1/2	48,729	1/2	59,212	1/2	69,954	1/2	80,696	1/2	91,434	1/2	102,171
3/4	6,348	3/4	16,895	3/4	27,578	3/4	38,314	3/4	48,952	3/4	59,436	3/4	70,178	3/4	80,920	3/4	91,657	3/4	102,395
9	6,571	9	17,112	9	27,801	9	38,538	9	49,174	9	59,660	9	70,402	9	81,143	9	91,881	9	102,618
1/4	6,794	1/4	17,330	1/4	28,025	1/4	38,762	1/4	49,396	1/4	59,884	1/4	70,625	1/4	81,367	1/4	92,105	1/4	102,842
1/2	7,017	1/2	17,548	1/2	28,249	1/2	38,985	1/2	49,618	1/2	60,108	1/2	70,849	1/2	81,591	1/2	92,328	1/2	103,066
3/4	7,239	3/4	17,765	3/4	28,472	3/4	39,209	3/4	49,840	3/4	60,331	3/4	71,073	3/4	81,815	3/4	92,552	3/4	103,289
10	7,462	10	17,983	10	28,696	10	39,433	10	50,063	10	60,555	10	71,297	10	82,038	10	92,776	10	103,513
1/4	7,686	1/4	18,201	1/4	28,920	1/4	39,656	1/4	50,286	1/4	60,779	1/4	71,521	1/4	82,262	1/4	92,999	1/4	103,737
1/2	7,909	1/2	18,419	1/2	29,143	1/2	39,880	1/2	50,510	1/2	61,003	1/2	71,744	1/2	82,486	1/2	93,223	1/2	103,960
3/4	8,132	3/4	18,636	3/4	29,367	3/4	40,104	3/4	50,734	3/4	61,227	3/4	71,968	3/4	82,710	3/4	93,447	3/4	104,184
11	8,355	11	18,854	11	29,591	11	40,327	11	50,958	11	61,450	11	72,192	11	82,933	11	93,670	11	104,408
1/4	8,579	1/4	19,078	1/4	29,814	1/4	40,551	1/4	51,182	1/4	61,674	1/4	72,416	1/4	83,157	1/4	93,894	1/4	104,631
1/2	8,803	1/2	19,301	1/2	30,038	1/2	40,775	1/2	51,405	1/2	61,898	1/2	72,640	1/2	83,381	1/2	94,118	1/2	104,855
3/4	9,027	3/4	19,525	3/4	30,262	3/4	40,998	3/4	51,629	3/4	62,122	3/4	72,863	3/4	83,604	3/4	94,342	3/4	105,079

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 28'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
 P.O. Box 2092  
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# BARGE "DBL 110"

## 1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 19'-01 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	105,303	0	115,007	0	124,362	0	133,717	0	143,036	0		0		0		0		0	
1/4	105,526	1/4	115,202	1/4	124,557	1/4	133,911	1/4	143,229	1/4		1/4		1/4		1/4		1/4	
1/2	105,750	1/2	115,397	1/2	124,752	1/2	134,106	1/2	143,423	1/2		1/2		1/2		1/2		1/2	
3/4	105,974	3/4	115,592	3/4	124,947	3/4	134,301	3/4	143,616	3/4		3/4		3/4		3/4		3/4	
1	106,197	1	115,787	1	125,141	1	134,496	1	143,809	1		1		1		1		1	
1/4	106,422	1/4	115,982	1/4	125,336	1/4	134,691	1/4	144,002	1/4		1/4		1/4		1/4		1/4	
1/2	106,646	1/2	116,177	1/2	125,531	1/2	134,886	1/2	144,195	1/2		1/2		1/2		1/2		1/2	
3/4	106,870	3/4	116,372	3/4	125,726	3/4	135,081	3/4	144,388	3/4		3/4		3/4		3/4		3/4	
2	107,094	2	116,566	2	125,921	2	135,276	2	144,581	2		2		2		2		2	
1/4	107,319	1/4	116,761	1/4	126,116	1/4	135,471	1/4	144,775	1/4		1/4		1/4		1/4		1/4	
1/2	107,543	1/2	116,956	1/2	126,311	1/2	135,665	1/2	144,968	1/2		1/2		1/2		1/2		1/2	
3/4	107,767	3/4	117,151	3/4	126,506	3/4	135,860	3/4	145,161	3/4		3/4		3/4		3/4		3/4	
3	107,991	3	117,346	3	126,701	3	136,055	3	145,354	3		3		3		3		3	
1/4	108,186	1/4	117,541	1/4	126,895	1/4	136,250	1/4	145,547	1/4		1/4		1/4		1/4		1/4	
1/2	108,381	1/2	117,736	1/2	127,090	1/2	136,445	1/2	145,740	1/2		1/2		1/2		1/2		1/2	
3/4	108,576	3/4	117,931	3/4	127,285	3/4	136,640	3/4	145,933	3/4		3/4		3/4		3/4		3/4	
4	108,771	4	118,126	4	127,480	4	136,835	4	146,127	4		4		4		4		4	
1/4	108,966	1/4	118,320	1/4	127,675	1/4	137,030	1/4	146,320	1/4		1/4		1/4		1/4		1/4	
1/2	109,161	1/2	118,515	1/2	127,870	1/2	137,225	1/2	146,513	1/2		1/2		1/2		1/2		1/2	
3/4	109,356	3/4	118,710	3/4	128,065	3/4	137,419	3/4	146,706	3/4		3/4		3/4		3/4		3/4	
5	109,550	5	118,905	5	128,260	5	137,614	5	146,899	5		5		5		5		5	
1/4	109,745	1/4	119,100	1/4	128,455	1/4	137,809	1/4	147,089	1/4		1/4		1/4		1/4		1/4	
1/2	109,940	1/2	119,295	1/2	128,649	1/2	138,004	1/2	147,280	1/2		1/2		1/2		1/2		1/2	
3/4	110,135	3/4	119,490	3/4	128,844	3/4	138,199	3/4	147,470	3/4		3/4		3/4		3/4		3/4	
6	110,330	6	119,685	6	129,039	6	138,394	6	147,660	6		6		6		6		6	
1/4	110,525	1/4	119,880	1/4	129,234	1/4	138,589	1/4	147,850	1/4		1/4		1/4		1/4		1/4	
1/2	110,720	1/2	120,074	1/2	129,429	1/2	138,784	1/2	148,041	1/2		1/2		1/2		1/2		1/2	
3/4	110,915	3/4	120,269	3/4	129,624	3/4	138,979	3/4	148,231	3/4		3/4		3/4		3/4		3/4	
7	111,110	7	120,464	7	129,819	7	139,173	7	148,421	7		7		7		7		7	
1/4	111,304	1/4	120,659	1/4	130,014	1/4	139,367	1/4	148,612	1/4		1/4		1/4		1/4		1/4	
1/2	111,499	1/2	120,854	1/2	130,209	1/2	139,560	1/2	148,802	1/2		1/2		1/2		1/2		1/2	
3/4	111,694	3/4	121,049	3/4	130,403	3/4	139,753	3/4	148,992	3/4		3/4		3/4		3/4		3/4	
8	111,889	8	121,244	8	130,598	8	139,946	8	149,182	8		8		8		8		8	
1/4	112,084	1/4	121,439	1/4	130,793	1/4	140,139	1/4	149,335	1/4		1/4		1/4		1/4		1/4	
1/2	112,279	1/2	121,633	1/2	130,988	1/2	140,332	1/2	149,488	1/2		1/2		1/2		1/2		1/2	
3/4	112,474	3/4	121,828	3/4	131,183	3/4	140,525	3/4	149,641	3/4		3/4		3/4		3/4		3/4	
9	112,669	9	122,023	9	131,378	9	140,719	9	149,794	9		9		9		9		9	
1/4	112,864	1/4	122,218	1/4	131,573	1/4	140,912	1/4	149,872	1/4		1/4		1/4		1/4		1/4	
1/2	113,058	1/2	122,413	1/2	131,768	1/2	141,105	1/2	149,950	1/2		1/2		1/2		1/2		1/2	
3/4	113,253	3/4	122,608	3/4	131,963	3/4	141,298	3/4	150,028	3/4		3/4		3/4		3/4		3/4	
10	113,448	10	122,803	10	132,157	10	141,491	10	150,106	10		10		10		10		10	
1/4	113,643	1/4	122,998	1/4	132,352	1/4	141,684	1/4	150,143	1/4		1/4		1/4		1/4		1/4	
1/2	113,838	1/2	123,193	1/2	132,547	1/2	141,877	1/2	150,181	1/2		1/2		1/2		1/2		1/2	
3/4	114,033	3/4	123,387	3/4	132,742	3/4	142,071	3/4	150,218	3/4		3/4		3/4		3/4		3/4	
11	114,228	11	123,582	11	132,937	11	142,264	11	150,255	11		11		11		11		11	
1/4	114,423	1/4	123,777	1/4	133,132	1/4	142,457	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	114,618	1/2	123,972	1/2	133,327	1/2	142,650	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	114,812	3/4	124,167	3/4	133,522	3/4	142,843	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/22/2015 CL  
CALCULATED: 07/23/2015 CL  
REPRINTED: 07/24/2015 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2015

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



# BARGE "DBL 110"

## 2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 19'-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	27	0	10,355	0	22,069	0	34,109	0	46,149	0	58,189	0	69,929	0	81,967	0	94,005	0	106,033
1/4	69	1/4	10,605	1/4	22,320	1/4	34,360	1/4	46,400	1/4	58,439	1/4	70,180	1/4	82,218	1/4	94,256	1/4	106,283
1/2	111	1/2	10,856	1/2	22,571	1/2	34,611	1/2	46,650	1/2	58,690	1/2	70,430	1/2	82,469	1/2	94,507	1/2	106,533
3/4	152	3/4	11,107	3/4	22,822	3/4	34,861	3/4	46,901	3/4	58,941	3/4	70,681	3/4	82,720	3/4	94,757	3/4	106,783
1	194	1	11,357	1	23,073	1	35,112	1	47,152	1	59,192	1	70,932	1	82,971	1	95,008	1	107,033
1/4	320	1/4	11,600	1/4	23,323	1/4	35,363	1/4	47,403	1/4	59,413	1/4	71,183	1/4	83,221	1/4	95,259	1/4	107,283
1/2	445	1/2	11,844	1/2	23,574	1/2	35,614	1/2	47,654	1/2	59,633	1/2	71,434	1/2	83,472	1/2	95,509	1/2	107,534
3/4	570	3/4	12,087	3/4	23,825	3/4	35,865	3/4	47,905	3/4	59,854	3/4	71,684	3/4	83,723	3/4	95,760	3/4	107,784
2	696	2	12,330	2	24,076	2	36,116	2	48,155	2	60,075	2	71,935	2	83,974	2	96,011	2	108,034
1/4	905	1/4	12,573	1/4	24,327	1/4	36,366	1/4	48,406	1/4	60,296	1/4	72,186	1/4	84,225	1/4	96,261	1/4	108,284
1/2	1,114	1/2	12,816	1/2	24,578	1/2	36,617	1/2	48,657	1/2	60,517	1/2	72,437	1/2	84,476	1/2	96,512	1/2	108,535
3/4	1,323	3/4	13,059	3/4	24,828	3/4	36,868	3/4	48,908	3/4	60,737	3/4	72,688	3/4	84,726	3/4	96,763	3/4	108,786
3	1,532	3	13,302	3	25,079	3	37,119	3	49,159	3	60,958	3	72,938	3	84,977	3	97,013	3	109,037
1/4	1,782	1/4	13,545	1/4	25,330	1/4	37,370	1/4	49,410	1/4	61,202	1/4	73,189	1/4	85,228	1/4	97,264	1/4	109,287
1/2	2,033	1/2	13,787	1/2	25,581	1/2	37,621	1/2	49,660	1/2	61,446	1/2	73,440	1/2	85,479	1/2	97,515	1/2	109,538
3/4	2,284	3/4	14,030	3/4	25,832	3/4	37,871	3/4	49,911	3/4	61,690	3/4	73,691	3/4	85,730	3/4	97,765	3/4	109,789
4	2,535	4	14,272	4	26,082	4	38,122	4	50,162	4	61,934	4	73,942	4	85,980	4	98,016	4	110,040
1/4	2,786	1/4	14,515	1/4	26,333	1/4	38,373	1/4	50,413	1/4	62,178	1/4	74,192	1/4	86,231	1/4	98,267	1/4	110,290
1/2	3,037	1/2	14,758	1/2	26,584	1/2	38,624	1/2	50,664	1/2	62,422	1/2	74,443	1/2	86,482	1/2	98,518	1/2	110,541
3/4	3,287	3/4	15,000	3/4	26,835	3/4	38,875	3/4	50,914	3/4	62,666	3/4	74,694	3/4	86,733	3/4	98,768	3/4	110,792
5	3,538	5	15,243	5	27,086	5	39,126	5	51,165	5	62,910	5	74,945	5	86,984	5	99,019	5	111,043
1/4	3,777	1/4	15,486	1/4	27,337	1/4	39,376	1/4	51,416	1/4	63,160	1/4	75,196	1/4	87,234	1/4	99,270	1/4	111,294
1/2	4,016	1/2	15,728	1/2	27,587	1/2	39,627	1/2	51,667	1/2	63,410	1/2	75,446	1/2	87,485	1/2	99,520	1/2	111,544
3/4	4,255	3/4	15,971	3/4	27,838	3/4	39,878	3/4	51,918	3/4	63,660	3/4	75,697	3/4	87,736	3/4	99,771	3/4	111,795
6	4,493	6	16,213	6	28,089	6	40,129	6	52,169	6	63,909	6	75,948	6	87,987	6	100,022	6	112,046
1/4	4,720	1/4	16,456	1/4	28,340	1/4	40,380	1/4	52,419	1/4	64,160	1/4	76,199	1/4	88,238	1/4	100,272	1/4	112,297
1/2	4,947	1/2	16,699	1/2	28,591	1/2	40,631	1/2	52,670	1/2	64,411	1/2	76,450	1/2	88,488	1/2	100,523	1/2	112,547
3/4	5,173	3/4	16,941	3/4	28,842	3/4	40,881	3/4	52,921	3/4	64,662	3/4	76,701	3/4	88,739	3/4	100,774	3/4	112,798
7	5,400	7	17,184	7	29,092	7	41,132	7	53,172	7	64,913	7	76,951	7	88,990	7	101,024	7	113,049
1/4	5,638	1/4	17,427	1/4	29,343	1/4	41,383	1/4	53,423	1/4	65,163	1/4	77,202	1/4	89,241	1/4	101,275	1/4	113,300
1/2	5,877	1/2	17,669	1/2	29,594	1/2	41,634	1/2	53,674	1/2	65,414	1/2	77,453	1/2	89,492	1/2	101,526	1/2	113,550
3/4	6,115	3/4	17,912	3/4	29,845	3/4	41,885	3/4	53,924	3/4	65,665	3/4	77,704	3/4	89,742	3/4	101,776	3/4	113,801
8	6,353	8	18,154	8	30,096	8	42,136	8	54,175	8	65,916	8	77,955	8	89,993	8	102,027	8	114,052
1/4	6,603	1/4	18,397	1/4	30,347	1/4	42,386	1/4	54,426	1/4	66,167	1/4	78,205	1/4	90,244	1/4	102,278	1/4	114,303
1/2	6,853	1/2	18,640	1/2	30,597	1/2	42,637	1/2	54,677	1/2	66,417	1/2	78,456	1/2	90,495	1/2	102,529	1/2	114,553
3/4	7,102	3/4	18,882	3/4	30,848	3/4	42,888	3/4	54,928	3/4	66,668	3/4	78,707	3/4	90,746	3/4	102,779	3/4	114,804
9	7,352	9	19,125	9	31,099	9	43,139	9	55,179	9	66,919	9	78,958	9	90,996	9	103,030	9	115,055
1/4	7,602	1/4	19,368	1/4	31,350	1/4	43,390	1/4	55,429	1/4	67,170	1/4	79,209	1/4	91,247	1/4	103,281	1/4	115,306
1/2	7,852	1/2	19,610	1/2	31,601	1/2	43,640	1/2	55,680	1/2	67,421	1/2	79,459	1/2	91,498	1/2	103,531	1/2	115,556
3/4	8,101	3/4	19,853	3/4	31,852	3/4	43,891	3/4	55,931	3/4	67,671	3/4	79,710	3/4	91,749	3/4	103,782	3/4	115,807
10	8,351	10	20,095	10	32,102	10	44,142	10	56,182	10	67,922	10	79,961	10	92,000	10	104,033	10	116,058
1/4	8,601	1/4	20,338	1/4	32,353	1/4	44,393	1/4	56,433	1/4	68,173	1/4	80,212	1/4	92,250	1/4	104,283	1/4	116,309
1/2	8,852	1/2	20,581	1/2	32,604	1/2	44,644	1/2	56,684	1/2	68,424	1/2	80,463	1/2	92,501	1/2	104,533	1/2	116,559
3/4	9,102	3/4	20,823	3/4	32,855	3/4	44,895	3/4	56,934	3/4	68,675	3/4	80,713	3/4	92,752	3/4	104,783	3/4	116,810
11	9,352	11	21,066	11	33,106	11	45,145	11	57,185	11	68,926	11	80,964	11	93,002	11	105,033	11	117,061
1/4	9,603	1/4	21,317	1/4	33,357	1/4	45,396	1/4	57,436	1/4	69,176	1/4	81,215	1/4	93,253	1/4	105,283	1/4	117,312
1/2	9,853	1/2	21,568	1/2	33,607	1/2	45,647	1/2	57,687	1/2	69,427	1/2	81,466	1/2	93,504	1/2	105,533	1/2	117,562
3/4	10,104	3/4	21,818	3/4	33,858	3/4	45,898	3/4	57,938	3/4	69,678	3/4	81,717	3/4	93,755	3/4	105,783	3/4	117,813

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 30'-00" FORWARD OF AFT BULKHEAD.

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



# BARGE "DBL 110"

## 2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 19'-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	118,064	0	130,100	0	142,136	0	154,173	0	166,162	0		0		0		0		0	
1/4	118,315	1/4	130,351	1/4	142,387	1/4	154,423	1/4	166,411	1/4		1/4		1/4		1/4		1/4	
1/2	118,565	1/2	130,602	1/2	142,638	1/2	154,674	1/2	166,659	1/2		1/2		1/2		1/2		1/2	
3/4	118,816	3/4	130,852	3/4	142,889	3/4	154,925	3/4	166,907	3/4		3/4		3/4		3/4		3/4	
1	119,067	1	131,103	1	143,139	1	155,176	1	167,156	1		1		1		1		1	
1/4	119,318	1/4	131,354	1/4	143,390	1/4	155,426	1/4	167,404	1/4		1/4		1/4		1/4		1/4	
1/2	119,568	1/2	131,605	1/2	143,641	1/2	155,677	1/2	167,653	1/2		1/2		1/2		1/2		1/2	
3/4	119,819	3/4	131,855	3/4	143,892	3/4	155,928	3/4	167,901	3/4		3/4		3/4		3/4		3/4	
2	120,070	2	132,106	2	144,142	2	156,179	2	168,150	2		2		2		2		2	
1/4	120,321	1/4	132,357	1/4	144,393	1/4	156,429	1/4	168,398	1/4		1/4		1/4		1/4		1/4	
1/2	120,571	1/2	132,608	1/2	144,644	1/2	156,680	1/2	168,646	1/2		1/2		1/2		1/2		1/2	
3/4	120,822	3/4	132,858	3/4	144,895	3/4	156,931	3/4	168,895	3/4		3/4		3/4		3/4		3/4	
3	121,073	3	133,109	3	145,145	3	157,182	3	169,143	3		3		3		3		3	
1/4	121,324	1/4	133,360	1/4	145,396	1/4	157,432	1/4	169,392	1/4		1/4		1/4		1/4		1/4	
1/2	121,574	1/2	133,611	1/2	145,647	1/2	157,683	1/2	169,640	1/2		1/2		1/2		1/2		1/2	
3/4	121,825	3/4	133,861	3/4	145,898	3/4	157,934	3/4	169,889	3/4		3/4		3/4		3/4		3/4	
4	122,076	4	134,112	4	146,148	4	158,185	4	170,137	4		4		4		4		4	
1/4	122,327	1/4	134,363	1/4	146,399	1/4	158,435	1/4	170,385	1/4		1/4		1/4		1/4		1/4	
1/2	122,577	1/2	134,614	1/2	146,650	1/2	158,686	1/2	170,634	1/2		1/2		1/2		1/2		1/2	
3/4	122,828	3/4	134,864	3/4	146,901	3/4	158,937	3/4	170,882	3/4		3/4		3/4		3/4		3/4	
5	123,079	5	135,115	5	147,151	5	159,188	5	171,131	5		5		5		5		5	
1/4	123,330	1/4	135,366	1/4	147,402	1/4	159,438	1/4	171,376	1/4		1/4		1/4		1/4		1/4	
1/2	123,580	1/2	135,617	1/2	147,653	1/2	159,689	1/2	171,621	1/2		1/2		1/2		1/2		1/2	
3/4	123,831	3/4	135,867	3/4	147,904	3/4	159,940	3/4	171,866	3/4		3/4		3/4		3/4		3/4	
6	124,082	6	136,118	6	148,154	6	160,191	6	172,112	6		6		6		6		6	
1/4	124,333	1/4	136,369	1/4	148,405	1/4	160,441	1/4	172,357	1/4		1/4		1/4		1/4		1/4	
1/2	124,583	1/2	136,620	1/2	148,656	1/2	160,692	1/2	172,602	1/2		1/2		1/2		1/2		1/2	
3/4	124,834	3/4	136,870	3/4	148,907	3/4	160,943	3/4	172,847	3/4		3/4		3/4		3/4		3/4	
7	125,085	7	137,121	7	149,157	7	161,194	7	173,093	7		7		7		7		7	
1/4	125,336	1/4	137,372	1/4	149,408	1/4	161,442	1/4	173,338	1/4		1/4		1/4		1/4		1/4	
1/2	125,587	1/2	137,623	1/2	149,659	1/2	161,691	1/2	173,583	1/2		1/2		1/2		1/2		1/2	
3/4	125,837	3/4	137,873	3/4	149,910	3/4	161,939	3/4	173,828	3/4		3/4		3/4		3/4		3/4	
8	126,088	8	138,124	8	150,160	8	162,187	8	174,073	8		8		8		8		8	
1/4	126,339	1/4	138,375	1/4	150,411	1/4	162,436	1/4	174,277	1/4		1/4		1/4		1/4		1/4	
1/2	126,590	1/2	138,626	1/2	150,662	1/2	162,684	1/2	174,480	1/2		1/2		1/2		1/2		1/2	
3/4	126,840	3/4	138,877	3/4	150,913	3/4	162,933	3/4	174,684	3/4		3/4		3/4		3/4		3/4	
9	127,091	9	139,127	9	151,163	9	163,181	9	174,887	9		9		9		9		9	
1/4	127,342	1/4	139,378	1/4	151,414	1/4	163,430	1/4	175,007	1/4		1/4		1/4		1/4		1/4	
1/2	127,593	1/2	139,629	1/2	151,665	1/2	163,678	1/2	175,127	1/2		1/2		1/2		1/2		1/2	
3/4	127,843	3/4	139,880	3/4	151,916	3/4	163,926	3/4	175,246	3/4		3/4		3/4		3/4		3/4	
10	128,094	10	140,130	10	152,167	10	164,175	10	175,366	10		10		10		10		10	
1/4	128,345	1/4	140,381	1/4	152,417	1/4	164,423	1/4	175,408	1/4		1/4		1/4		1/4		1/4	
1/2	128,596	1/2	140,632	1/2	152,668	1/2	164,672	1/2	175,450	1/2		1/2		1/2		1/2		1/2	
3/4	128,846	3/4	140,883	3/4	152,919	3/4	164,920	3/4	175,491	3/4		3/4		3/4		3/4		3/4	
11	129,097	11	141,133	11	153,170	11	165,168	11	175,533	11		11		11		11		11	
1/4	129,348	1/4	141,384	1/4	153,420	1/4	165,417	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	129,599	1/2	141,635	1/2	153,671	1/2	165,665	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	129,849	3/4	141,886	3/4	153,922	3/4	165,914	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/22/2015 CL  
CALCULATED: 07/23/2015 CL  
REPRINTED: 07/24/2015 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2015

PRECISION MEASUREMENT  
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# BARGE "DBL 110"

## 3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 19'-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	27	0	9,135	0	19,727	0	30,342	0	40,958	0	51,573	0	61,920	0	72,536	0	83,150	0	93,761
1/4	64	1/4	9,356	1/4	19,948	1/4	30,564	1/4	41,179	1/4	51,794	1/4	62,141	1/4	72,757	1/4	83,371	1/4	93,982
1/2	101	1/2	9,577	1/2	20,170	1/2	30,785	1/2	41,400	1/2	52,015	1/2	62,363	1/2	72,978	1/2	83,592	1/2	94,203
3/4	138	3/4	9,798	3/4	20,391	3/4	31,006	3/4	41,621	3/4	52,236	3/4	62,584	3/4	73,199	3/4	83,813	3/4	94,424
1	174	1	10,020	1	20,612	1	31,227	1	41,842	1	52,457	1	62,805	1	73,420	1	84,034	1	94,645
1/4	285	1/4	10,241	1/4	20,833	1/4	31,448	1/4	42,063	1/4	52,652	1/4	63,026	1/4	73,641	1/4	84,255	1/4	94,866
1/2	395	1/2	10,462	1/2	21,054	1/2	31,669	1/2	42,284	1/2	52,846	1/2	63,247	1/2	73,863	1/2	84,477	1/2	95,087
3/4	506	3/4	10,683	3/4	21,275	3/4	31,890	3/4	42,506	3/4	53,041	3/4	63,468	3/4	74,084	3/4	84,698	3/4	95,308
2	617	2	10,904	2	21,496	2	32,112	2	42,727	2	53,235	2	63,689	2	74,305	2	84,919	2	95,529
1/4	801	1/4	11,125	1/4	21,718	1/4	32,333	1/4	42,948	1/4	53,429	1/4	63,911	1/4	74,526	1/4	85,140	1/4	95,750
1/2	985	1/2	11,346	1/2	21,939	1/2	32,554	1/2	43,169	1/2	53,624	1/2	64,132	1/2	74,747	1/2	85,361	1/2	95,971
3/4	1,169	3/4	11,566	3/4	22,160	3/4	32,775	3/4	43,390	3/4	53,818	3/4	64,353	3/4	74,968	3/4	85,582	3/4	96,192
3	1,354	3	11,787	3	22,381	3	32,996	3	43,611	3	54,013	3	64,574	3	75,190	3	85,803	3	96,413
1/4	1,575	1/4	12,008	1/4	22,602	1/4	33,217	1/4	43,833	1/4	54,228	1/4	64,795	1/4	75,411	1/4	86,024	1/4	96,634
1/2	1,796	1/2	12,228	1/2	22,823	1/2	33,439	1/2	44,054	1/2	54,442	1/2	65,016	1/2	75,632	1/2	86,245	1/2	96,855
3/4	2,017	3/4	12,449	3/4	23,045	3/4	33,660	3/4	44,275	3/4	54,657	3/4	65,238	3/4	75,853	3/4	86,466	3/4	97,076
4	2,238	4	12,669	4	23,266	4	33,881	4	44,496	4	54,872	4	65,459	4	76,074	4	86,687	4	97,297
1/4	2,459	1/4	12,890	1/4	23,487	1/4	34,102	1/4	44,717	1/4	55,087	1/4	65,680	1/4	76,295	1/4	86,908	1/4	97,518
1/2	2,681	1/2	13,110	1/2	23,708	1/2	34,323	1/2	44,938	1/2	55,302	1/2	65,901	1/2	76,516	1/2	87,129	1/2	97,739
3/4	2,902	3/4	13,331	3/4	23,929	3/4	34,544	3/4	45,159	3/4	55,517	3/4	66,122	3/4	76,738	3/4	87,350	3/4	97,960
5	3,123	5	13,551	5	24,150	5	34,765	5	45,381	5	55,731	5	66,343	5	76,959	5	87,571	5	98,182
1/4	3,333	1/4	13,772	1/4	24,371	1/4	34,987	1/4	45,602	1/4	55,952	1/4	66,564	1/4	77,180	1/4	87,792	1/4	98,403
1/2	3,544	1/2	13,992	1/2	24,593	1/2	35,208	1/2	45,823	1/2	56,172	1/2	66,786	1/2	77,401	1/2	88,013	1/2	98,624
3/4	3,754	3/4	14,213	3/4	24,814	3/4	35,429	3/4	46,044	3/4	56,392	3/4	67,007	3/4	77,622	3/4	88,234	3/4	98,845
6	3,965	6	14,434	6	25,035	6	35,650	6	46,265	6	56,613	6	67,228	6	77,843	6	88,455	6	99,066
1/4	4,165	1/4	14,654	1/4	25,256	1/4	35,871	1/4	46,486	1/4	56,834	1/4	67,449	1/4	78,065	1/4	88,676	1/4	99,287
1/2	4,365	1/2	14,875	1/2	25,477	1/2	36,092	1/2	46,707	1/2	57,055	1/2	67,670	1/2	78,286	1/2	88,897	1/2	99,508
3/4	4,565	3/4	15,095	3/4	25,698	3/4	36,313	3/4	46,929	3/4	57,276	3/4	67,891	3/4	78,507	3/4	89,119	3/4	99,729
7	4,765	7	15,316	7	25,919	7	36,535	7	47,150	7	57,497	7	68,113	7	78,728	7	89,340	7	99,950
1/4	4,975	1/4	15,536	1/4	26,141	1/4	36,756	1/4	47,371	1/4	57,718	1/4	68,334	1/4	78,949	1/4	89,561	1/4	100,171
1/2	5,185	1/2	15,757	1/2	26,362	1/2	36,977	1/2	47,592	1/2	57,939	1/2	68,555	1/2	79,170	1/2	89,782	1/2	100,392
3/4	5,395	3/4	15,977	3/4	26,583	3/4	37,198	3/4	47,813	3/4	58,161	3/4	68,776	3/4	79,391	3/4	90,003	3/4	100,613
8	5,605	8	16,198	8	26,804	8	37,419	8	48,034	8	58,382	8	68,997	8	79,613	8	90,224	8	100,834
1/4	5,825	1/4	16,418	1/4	27,025	1/4	37,640	1/4	48,255	1/4	58,603	1/4	69,218	1/4	79,834	1/4	90,445	1/4	101,055
1/2	6,046	1/2	16,639	1/2	27,246	1/2	37,861	1/2	48,477	1/2	58,824	1/2	69,440	1/2	80,055	1/2	90,666	1/2	101,276
3/4	6,266	3/4	16,859	3/4	27,467	3/4	38,083	3/4	48,698	3/4	59,045	3/4	69,661	3/4	80,276	3/4	90,887	3/4	101,497
9	6,486	9	17,080	9	27,689	9	38,304	9	48,919	9	59,266	9	69,882	9	80,497	9	91,108	9	101,718
1/4	6,707	1/4	17,300	1/4	27,910	1/4	38,525	1/4	49,140	1/4	59,488	1/4	70,103	1/4	80,718	1/4	91,329	1/4	101,939
1/2	6,927	1/2	17,521	1/2	28,131	1/2	38,746	1/2	49,361	1/2	59,709	1/2	70,324	1/2	80,940	1/2	91,550	1/2	102,160
3/4	7,147	3/4	17,742	3/4	28,352	3/4	38,967	3/4	49,582	3/4	59,930	3/4	70,545	3/4	81,161	3/4	91,771	3/4	102,381
10	7,367	10	17,962	10	28,573	10	39,188	10	49,804	10	60,151	10	70,766	10	81,382	10	91,992	10	102,602
1/4	7,588	1/4	18,183	1/4	28,794	1/4	39,410	1/4	50,025	1/4	60,372	1/4	70,988	1/4	81,603	1/4	92,213	1/4	102,824
1/2	7,809	1/2	18,403	1/2	29,016	1/2	39,631	1/2	50,246	1/2	60,593	1/2	71,209	1/2	81,824	1/2	92,434	1/2	103,045
3/4	8,030	3/4	18,624	3/4	29,237	3/4	39,852	3/4	50,467	3/4	60,814	3/4	71,430	3/4	82,045	3/4	92,655	3/4	103,266
11	8,250	11	18,844	11	29,458	11	40,073	11	50,688	11	61,036	11	71,651	11	82,266	11	92,876	11	103,487
1/4	8,472	1/4	19,065	1/4	29,679	1/4	40,294	1/4	50,909	1/4	61,257	1/4	71,872	1/4	82,487	1/4	93,097	1/4	103,708
1/2	8,693	1/2	19,286	1/2	29,900	1/2	40,515	1/2	51,130	1/2	61,478	1/2	72,093	1/2	82,708	1/2	93,318	1/2	103,929
3/4	8,914	3/4	19,507	3/4	30,121	3/4	40,736	3/4	51,352	3/4	61,699	3/4	72,315	3/4	82,929	3/4	93,540	3/4	104,150

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'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
 P.O. Box 2092  
 Pearland, Texas 77588  
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# BARGE "DBL 110"

## 3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 19'-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	104,371	0	114,981	0	125,592	0	136,202	0	146,771	0		0		0		0		0	
1/4	104,592	1/4	115,202	1/4	125,813	1/4	136,423	1/4	146,990	1/4		1/4		1/4		1/4		1/4	
1/2	104,813	1/2	115,423	1/2	126,034	1/2	136,644	1/2	147,209	1/2		1/2		1/2		1/2		1/2	
3/4	105,034	3/4	115,644	3/4	126,255	3/4	136,865	3/4	147,428	3/4		3/4		3/4		3/4		3/4	
1	105,255	1	115,865	1	126,476	1	137,086	1	147,647	1		1		1		1		1	
1/4	105,476	1/4	116,086	1/4	126,697	1/4	137,307	1/4	147,866	1/4		1/4		1/4		1/4		1/4	
1/2	105,697	1/2	116,307	1/2	126,918	1/2	137,528	1/2	148,085	1/2		1/2		1/2		1/2		1/2	
3/4	105,918	3/4	116,529	3/4	127,139	3/4	137,749	3/4	148,304	3/4		3/4		3/4		3/4		3/4	
2	106,139	2	116,750	2	127,360	2	137,970	2	148,524	2		2		2		2		2	
1/4	106,360	1/4	116,971	1/4	127,581	1/4	138,191	1/4	148,743	1/4		1/4		1/4		1/4		1/4	
1/2	106,581	1/2	117,192	1/2	127,802	1/2	138,412	1/2	148,962	1/2		1/2		1/2		1/2		1/2	
3/4	106,802	3/4	117,413	3/4	128,023	3/4	138,633	3/4	149,181	3/4		3/4		3/4		3/4		3/4	
3	107,023	3	117,634	3	128,244	3	138,854	3	149,400	3		3		3		3		3	
1/4	107,245	1/4	117,855	1/4	128,465	1/4	139,075	1/4	149,619	1/4		1/4		1/4		1/4		1/4	
1/2	107,466	1/2	118,076	1/2	128,686	1/2	139,297	1/2	149,838	1/2		1/2		1/2		1/2		1/2	
3/4	107,687	3/4	118,297	3/4	128,907	3/4	139,518	3/4	150,057	3/4		3/4		3/4		3/4		3/4	
4	107,908	4	118,518	4	129,128	4	139,739	4	150,276	4		4		4		4		4	
1/4	108,129	1/4	118,739	1/4	129,349	1/4	139,960	1/4	150,495	1/4		1/4		1/4		1/4		1/4	
1/2	108,350	1/2	118,960	1/2	129,570	1/2	140,181	1/2	150,714	1/2		1/2		1/2		1/2		1/2	
3/4	108,571	3/4	119,181	3/4	129,791	3/4	140,402	3/4	150,933	3/4		3/4		3/4		3/4		3/4	
5	108,792	5	119,402	5	130,012	5	140,623	5	151,152	5		5		5		5		5	
1/4	109,013	1/4	119,623	1/4	130,234	1/4	140,844	1/4	151,368	1/4		1/4		1/4		1/4		1/4	
1/2	109,234	1/2	119,844	1/2	130,455	1/2	141,065	1/2	151,584	1/2		1/2		1/2		1/2		1/2	
3/4	109,455	3/4	120,065	3/4	130,676	3/4	141,286	3/4	151,800	3/4		3/4		3/4		3/4		3/4	
6	109,676	6	120,286	6	130,897	6	141,507	6	152,016	6		6		6		6		6	
1/4	109,897	1/4	120,507	1/4	131,118	1/4	141,728	1/4	152,233	1/4		1/4		1/4		1/4		1/4	
1/2	110,118	1/2	120,728	1/2	131,339	1/2	141,949	1/2	152,449	1/2		1/2		1/2		1/2		1/2	
3/4	110,339	3/4	120,950	3/4	131,560	3/4	142,170	3/4	152,665	3/4		3/4		3/4		3/4		3/4	
7	110,560	7	121,171	7	131,781	7	142,391	7	152,881	7		7		7		7		7	
1/4	110,781	1/4	121,392	1/4	132,002	1/4	142,610	1/4	153,097	1/4		1/4		1/4		1/4		1/4	
1/2	111,002	1/2	121,613	1/2	132,223	1/2	142,829	1/2	153,314	1/2		1/2		1/2		1/2		1/2	
3/4	111,223	3/4	121,834	3/4	132,444	3/4	143,048	3/4	153,530	3/4		3/4		3/4		3/4		3/4	
8	111,444	8	122,055	8	132,665	8	143,267	8	153,746	8		8		8		8		8	
1/4	111,665	1/4	122,276	1/4	132,886	1/4	143,486	1/4	153,925	1/4		1/4		1/4		1/4		1/4	
1/2	111,887	1/2	122,497	1/2	133,107	1/2	143,705	1/2	154,105	1/2		1/2		1/2		1/2		1/2	
3/4	112,108	3/4	122,718	3/4	133,328	3/4	143,924	3/4	154,284	3/4		3/4		3/4		3/4		3/4	
9	112,329	9	122,939	9	133,549	9	144,143	9	154,463	9		9		9		9		9	
1/4	112,550	1/4	123,160	1/4	133,770	1/4	144,362	1/4	154,569	1/4		1/4		1/4		1/4		1/4	
1/2	112,771	1/2	123,381	1/2	133,991	1/2	144,581	1/2	154,674	1/2		1/2		1/2		1/2		1/2	
3/4	112,992	3/4	123,602	3/4	134,212	3/4	144,800	3/4	154,780	3/4		3/4		3/4		3/4		3/4	
10	113,213	10	123,823	10	134,433	10	145,019	10	154,886	10		10		10		10		10	
1/4	113,434	1/4	124,044	1/4	134,655	1/4	145,238	1/4	154,922	1/4		1/4		1/4		1/4		1/4	
1/2	113,655	1/2	124,265	1/2	134,876	1/2	145,457	1/2	154,959	1/2		1/2		1/2		1/2		1/2	
3/4	113,876	3/4	124,486	3/4	135,097	3/4	145,676	3/4	154,996	3/4		3/4		3/4		3/4		3/4	
11	114,097	11	124,707	11	135,318	11	145,895	11	155,033	11		11		11		11		11	
1/4	114,318	1/4	124,928	1/4	135,539	1/4	146,114	1/4	---	1/4		1/4		1/4		1/4		1/4	
1/2	114,539	1/2	125,149	1/2	135,760	1/2	146,333	1/2	---	1/2		1/2		1/2		1/2		1/2	
3/4	114,760	3/4	125,370	3/4	135,981	3/4	146,552	3/4	---	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2015

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