



# BARGE: DBL 143

## 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	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8	- 00-1/2	00-1/2
2 CENTER	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4
3 CENTER	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-1/2	00-1/2

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

LENGTH BETWEEN DRAFT MARKS: 162'-03"

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 ULLAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED ULLAGE IS 4'-00 1/8"

May 11, 2020



# BARGE "DBL 143"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 18'-10"

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		0		0	151,381	0	142,406	0	132,973	0	123,519	0	114,065	0	104,066
1/4		1/4		1/4		1/4		1/4	151,264	1/4	142,210	1/4	132,776	1/4	123,322	1/4	113,868	1/4	103,842
1/2		1/2		1/2		1/2		1/2	151,146	1/2	142,015	1/2	132,579	1/2	123,125	1/2	113,671	1/2	103,618
3/4		3/4		3/4		3/4		3/4	151,029	3/4	141,820	3/4	132,382	3/4	122,928	3/4	113,474	3/4	103,394
1		1		1		1		1	150,911	1	141,625	1	132,185	1	122,731	1	113,277	1	103,170
1/4		1/4		1/4		1/4		1/4	150,728	1/4	141,430	1/4	131,988	1/4	122,534	1/4	113,080	1/4	102,946
1/2		1/2		1/2		1/2		1/2	150,545	1/2	141,234	1/2	131,791	1/2	122,337	1/2	112,884	1/2	102,722
3/4		3/4		3/4		3/4		3/4	150,363	3/4	141,039	3/4	131,594	3/4	122,140	3/4	112,687	3/4	102,498
2		2		2		2		2	150,180	2	140,844	2	131,397	2	121,943	2	112,490	2	102,274
1/4		1/4		1/4		1/4		1/4	149,987	1/4	140,649	1/4	131,200	1/4	121,746	1/4	112,293	1/4	102,050
1/2		1/2		1/2		1/2		1/2	149,795	1/2	140,454	1/2	131,003	1/2	121,550	1/2	112,096	1/2	101,826
3/4		3/4		3/4		3/4		3/4	149,603	3/4	140,258	3/4	130,806	3/4	121,353	3/4	111,899	3/4	101,602
3		3		3		3		3	149,410	3	140,063	3	130,609	3	121,156	3	111,702	3	101,378
1/4		1/4		1/4		1/4		1/4	149,218	1/4	139,866	1/4	130,412	1/4	120,959	1/4	111,505	1/4	101,154
1/2		1/2		1/2		1/2		1/2	149,026	1/2	139,669	1/2	130,215	1/2	120,762	1/2	111,308	1/2	100,930
3/4		3/4		3/4		3/4		3/4	148,833	3/4	139,472	3/4	130,019	3/4	120,565	3/4	111,111	3/4	100,706
4		4		4		4		4	148,641	4	139,275	4	129,822	4	120,368	4	110,914	4	100,482
1/4		1/4		1/4		1/4		1/4	148,449	1/4	139,078	1/4	129,625	1/4	120,171	1/4	110,717	1/4	100,258
1/2		1/2		1/2		1/2		1/2	148,256	1/2	138,881	1/2	129,428	1/2	119,974	1/2	110,520	1/2	100,034
3/4		3/4		3/4		3/4		3/4	148,064	3/4	138,685	3/4	129,231	3/4	119,777	3/4	110,323	3/4	99,810
5		5		5		5		5	147,872	5	138,488	5	129,034	5	119,580	5	110,126	5	99,586
1/4		1/4		1/4		1/4		1/4	147,676	1/4	138,291	1/4	128,837	1/4	119,383	1/4	109,929	1/4	99,362
1/2		1/2		1/2		1/2		1/2	147,481	1/2	138,094	1/2	128,640	1/2	119,186	1/2	109,732	1/2	99,138
3/4		3/4		3/4		3/4		3/4	147,286	3/4	137,897	3/4	128,443	3/4	118,989	3/4	109,535	3/4	98,914
6		6		6		6		6	147,091	6	137,700	6	128,246	6	118,792	6	109,338	6	98,690
1/4		1/4		1/4		1/4		1/4	146,895	1/4	137,503	1/4	128,049	1/4	118,595	1/4	109,141	1/4	98,466
1/2		1/2		1/2		1/2		1/2	146,700	1/2	137,306	1/2	127,852	1/2	118,398	1/2	108,944	1/2	98,242
3/4		3/4		3/4		3/4		3/4	146,505	3/4	137,109	3/4	127,655	3/4	118,201	3/4	108,748	3/4	98,018
7		7		7		7		7	146,310	7	136,912	7	127,458	7	118,004	7	108,551	7	97,794
1/4		1/4		1/4		1/4		1/4	146,115	1/4	136,715	1/4	127,261	1/4	117,807	1/4	108,326	1/4	97,570
1/2		1/2		1/2		1/2		1/2	145,919	1/2	136,518	1/2	127,064	1/2	117,610	1/2	108,101	1/2	97,345
3/4		3/4		3/4		3/4		3/4	145,724	3/4	136,321	3/4	126,867	3/4	117,413	3/4	107,877	3/4	97,121
8		8		8		8		8	145,529	8	136,124	8	126,670	8	117,217	8	107,652	8	96,897
1/4		1/4		1/4		1/4		1/4	145,334	1/4	135,927	1/4	126,473	1/4	117,020	1/4	107,428	1/4	96,673
1/2		1/2		1/2		1/2		1/2	145,139	1/2	135,730	1/2	126,276	1/2	116,823	1/2	107,203	1/2	96,449
3/4		3/4		3/4		3/4		3/4	144,943	3/4	135,533	3/4	126,079	3/4	116,626	3/4	106,979	3/4	96,225
9		9		9		9		9	144,748	9	135,336	9	125,883	9	116,429	9	106,754	9	96,001
1/4		1/4		1/4		1/4		1/4	144,553	1/4	135,139	1/4	125,686	1/4	116,232	1/4	106,530	1/4	95,777
1/2		1/2		1/2		1/2		1/2	144,358	1/2	134,942	1/2	125,489	1/2	116,035	1/2	106,306	1/2	95,553
3/4		3/4		3/4		3/4		3/4	144,163	3/4	134,745	3/4	125,292	3/4	115,838	3/4	106,082	3/4	95,329
10		10		10		10		10	143,967	10	134,548	10	125,095	10	115,641	10	105,858	10	95,105
1/4		1/4		1/4		1/4		1/4	143,772	1/4	134,352	1/4	124,898	1/4	115,444	1/4	105,634	1/4	94,881
1/2		1/2		1/2		1/2		1/2	151,718	1/2	143,577	1/2	134,155	1/2	115,247	1/2	105,410	1/2	94,657
3/4		3/4		3/4		3/4		3/4	151,699	3/4	143,382	3/4	133,958	3/4	115,050	3/4	105,186	3/4	94,433
11		11		11		11		11	151,681	11	143,187	11	133,761	11	114,853	11	104,962	11	94,209
1/4		1/4		1/4		1/4		1/4	151,606	1/4	142,991	1/4	133,564	1/4	114,656	1/4	104,738	1/4	93,985
1/2		1/2		1/2		1/2		1/2	151,531	1/2	142,796	1/2	133,367	1/2	114,459	1/2	104,514	1/2	93,761
3/4		3/4		3/4		3/4		3/4	151,456	3/4	142,601	3/4	133,170	3/4	114,262	3/4	104,290	3/4	93,537

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 "MMC" VALVE  
 GAUGE POINT: (MMC) LOCATED 1'-00" OFF CENTERLINE AND 25'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
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# BARGE "DBL 143"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 18'-10"

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	93,313	0	82,561	0	71,804	0	61,047	0	50,290	0	39,644	0	28,892	0	18,164	0	7,626	0	
1/4	93,089	1/4	82,337	1/4	71,580	1/4	60,823	1/4	50,067	1/4	39,420	1/4	28,668	1/4	17,946	1/4	7,402	1/4	
1/2	92,865	1/2	82,113	1/2	71,356	1/2	60,599	1/2	49,845	1/2	39,196	1/2	28,444	1/2	17,728	1/2	7,178	1/2	
3/4	92,641	3/4	81,888	3/4	71,131	3/4	60,375	3/4	49,622	3/4	38,972	3/4	28,220	3/4	17,510	3/4	6,954	3/4	
1	92,417	1	81,664	1	70,907	1	60,150	1	49,400	1	38,748	1	27,996	1	17,292	1	6,730	1	
1/4	92,193	1/4	81,440	1/4	70,683	1/4	59,926	1/4	49,177	1/4	38,524	1/4	27,772	1/4	17,074	1/4	6,506	1/4	
1/2	91,969	1/2	81,216	1/2	70,459	1/2	59,702	1/2	48,955	1/2	38,300	1/2	27,548	1/2	16,855	1/2	6,282	1/2	
3/4	91,745	3/4	80,992	3/4	70,235	3/4	59,478	3/4	48,732	3/4	38,076	3/4	27,324	3/4	16,637	3/4	6,058	3/4	
2	91,521	2	80,768	2	70,011	2	59,254	2	48,510	2	37,852	2	27,100	2	16,419	2	5,834	2	
1/4	91,297	1/4	80,544	1/4	69,787	1/4	59,030	1/4	48,289	1/4	37,628	1/4	26,876	1/4	16,201	1/4	5,609	1/4	
1/2	91,073	1/2	80,320	1/2	69,563	1/2	58,806	1/2	48,068	1/2	37,404	1/2	26,652	1/2	15,983	1/2	5,385	1/2	
3/4	90,849	3/4	80,096	3/4	69,339	3/4	58,582	3/4	47,847	3/4	37,180	3/4	26,428	3/4	15,765	3/4	5,161	3/4	
3	90,625	3	79,872	3	69,115	3	58,358	3	47,626	3	36,956	3	26,204	3	15,547	3	4,937	3	
1/4	90,401	1/4	79,647	1/4	68,890	1/4	58,134	1/4	47,404	1/4	36,732	1/4	25,980	1/4	15,329	1/4	4,713	1/4	
1/2	90,177	1/2	79,423	1/2	68,666	1/2	57,909	1/2	47,183	1/2	36,508	1/2	25,756	1/2	15,111	1/2	4,489	1/2	
3/4	89,953	3/4	79,199	3/4	68,442	3/4	57,685	3/4	46,962	3/4	36,284	3/4	25,532	3/4	14,893	3/4	4,265	3/4	
4	89,729	4	78,975	4	68,218	4	57,461	4	46,741	4	36,060	4	25,308	4	14,675	4	4,042	4	
1/4	89,505	1/4	78,751	1/4	67,994	1/4	57,237	1/4	46,520	1/4	35,836	1/4	25,084	1/4	14,457	1/4	3,818	1/4	
1/2	89,281	1/2	78,527	1/2	67,770	1/2	57,013	1/2	46,299	1/2	35,612	1/2	24,860	1/2	14,239	1/2	3,595	1/2	
3/4	89,057	3/4	78,303	3/4	67,546	3/4	56,789	3/4	46,078	3/4	35,388	3/4	24,636	3/4	14,021	3/4	3,372	3/4	
5	88,833	5	78,079	5	67,322	5	56,565	5	45,857	5	35,164	5	24,412	5	13,803	5	3,148	5	
1/4	88,609	1/4	77,855	1/4	67,098	1/4	56,341	1/4	45,636	1/4	34,940	1/4	24,188	1/4	13,585	1/4	2,926	1/4	
1/2	88,385	1/2	77,630	1/2	66,874	1/2	56,117	1/2	45,415	1/2	34,716	1/2	23,964	1/2	13,367	1/2	2,703	1/2	
3/4	88,161	3/4	77,406	3/4	66,649	3/4	55,892	3/4	45,194	3/4	34,492	3/4	23,740	3/4	13,149	3/4	2,480	3/4	
6	87,937	6	77,182	6	66,425	6	55,668	6	44,973	6	34,268	6	23,516	6	12,931	6	2,257	6	
1/4	87,713	1/4	76,958	1/4	66,201	1/4	55,444	1/4	44,752	1/4	34,044	1/4	23,292	1/4	12,713	1/4	2,037	1/4	
1/2	87,489	1/2	76,734	1/2	65,977	1/2	55,220	1/2	44,531	1/2	33,820	1/2	23,068	1/2	12,495	1/2	1,816	1/2	
3/4	87,265	3/4	76,510	3/4	65,753	3/4	54,996	3/4	44,310	3/4	33,596	3/4	22,844	3/4	12,277	3/4	1,595	3/4	
7	87,041	7	76,286	7	65,529	7	54,772	7	44,089	7	33,372	7	22,620	7	12,059	7	1,374	7	
1/4	86,817	1/4	76,062	1/4	65,305	1/4	54,548	1/4	43,868	1/4	33,148	1/4	22,396	1/4	11,841	1/4	1,187	1/4	
1/2	86,593	1/2	75,838	1/2	65,081	1/2	54,324	1/2	43,647	1/2	32,924	1/2	22,172	1/2	11,623	1/2	1,000	1/2	
3/4	86,369	3/4	75,614	3/4	64,857	3/4	54,100	3/4	43,426	3/4	32,700	3/4	21,948	3/4	11,405	3/4	813	3/4	
8	86,145	8	75,389	8	64,633	8	53,876	8	43,205	8	32,476	8	21,724	8	11,186	8	626	8	
1/4	85,921	1/4	75,165	1/4	64,408	1/4	53,651	1/4	42,984	1/4	32,252	1/4	21,500	1/4	10,968	1/4	514	1/4	
1/2	85,697	1/2	74,941	1/2	64,184	1/2	53,427	1/2	42,763	1/2	32,028	1/2	21,276	1/2	10,750	1/2	402	1/2	
3/4	85,473	3/4	74,717	3/4	63,960	3/4	53,203	3/4	42,542	3/4	31,804	3/4	21,052	3/4	10,532	3/4	289	3/4	
9	85,249	9	74,493	9	63,736	9	52,979	9	42,321	9	31,580	9	20,828	9	10,314	9	177	9	
1/4	85,025	1/4	74,269	1/4	63,512	1/4	52,755	1/4	42,100	1/4	31,356	1/4	20,604	1/4	10,090	1/4	139	1/4	
1/2	84,801	1/2	74,045	1/2	63,288	1/2	52,531	1/2	41,879	1/2	31,132	1/2	20,380	1/2	9,866	1/2	102	1/2	
3/4	84,577	3/4	73,821	3/4	63,064	3/4	52,307	3/4	41,657	3/4	30,908	3/4	20,156	3/4	9,642	3/4	65	3/4	
10	84,353	10	73,597	10	62,840	10	52,083	10	41,436	10	30,684	10	19,932	10	9,418	10	27	10	
1/4	84,129	1/4	73,373	1/4	62,616	1/4	51,859	1/4	41,212	1/4	30,460	1/4	19,708	1/4	9,194	1/4		1/4	
1/2	83,905	1/2	73,148	1/2	62,391	1/2	51,635	1/2	40,988	1/2	30,236	1/2	19,484	1/2	8,970	1/2		1/2	
3/4	83,681	3/4	72,924	3/4	62,167	3/4	51,410	3/4	40,764	3/4	30,012	3/4	19,260	3/4	8,746	3/4		3/4	
11	83,457	11	72,700	11	61,943	11	51,186	11	40,540	11	29,788	11	19,036	11	8,522	11		11	
1/4	83,233	1/4	72,476	1/4	61,719	1/4	50,962	1/4	40,316	1/4	29,564	1/4	18,818	1/4	8,298	1/4		1/4	
1/2	83,009	1/2	72,252	1/2	61,495	1/2	50,738	1/2	40,092	1/2	29,340	1/2	18,600	1/2	8,074	1/2		1/2	
3/4	82,785	3/4	72,028	3/4	61,271	3/4	50,514	3/4	39,868	3/4	29,116	3/4	18,382	3/4	7,850	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/11/2020 CL  
CALCULATED: 05/11/2020 CL  
PRINTED: 05/11/2020 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2020

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



# BARGE "DBL 143"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 18'-10 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	IN	IN	IN	IN	IN	IN	IN	IN	IN	
0	0	0	0	0	0	0	0	176,255	0	164,935	0	152,929	0	140,892	0	128,855	0	116,819		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	176,171	1/4	164,687	1/4	152,678	1/4	140,641	1/4	128,604	1/4	116,568		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	176,009	1/2	164,438	1/2	152,427	1/2	140,390	1/2	128,354	1/2	116,317		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	175,848	3/4	164,190	3/4	152,176	3/4	140,140	3/4	128,103	3/4	116,066		
1	1	1	1	1	1	1	1	175,686	1	163,941	1	151,926	1	139,889	1	127,852	1	115,816		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	175,525	1/4	163,693	1/4	151,675	1/4	139,638	1/4	127,601	1/4	115,565		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	175,290	1/2	163,444	1/2	151,424	1/2	139,387	1/2	127,351	1/2	115,314		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	175,055	3/4	163,196	3/4	151,173	3/4	139,137	3/4	127,100	3/4	115,063		
2	2	2	2	2	2	2	2	174,820	2	162,947	2	150,922	2	138,886	2	126,849	2	114,812		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	174,586	1/4	162,699	1/4	150,672	1/4	138,635	1/4	126,598	1/4	114,562		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	174,340	1/2	162,451	1/2	150,421	1/2	138,384	1/2	126,348	1/2	114,311		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	174,095	3/4	162,202	3/4	150,170	3/4	138,134	3/4	126,097	3/4	114,060		
3	3	3	3	3	3	3	3	173,850	3	161,954	3	149,919	3	137,883	3	125,846	3	113,809		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	173,605	1/4	161,705	1/4	149,669	1/4	137,632	1/4	125,595	1/4	113,559		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	173,359	1/2	161,455	1/2	149,418	1/2	137,381	1/2	125,345	1/2	113,308		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	173,114	3/4	161,204	3/4	149,167	3/4	137,130	3/4	125,094	3/4	113,057		
4	4	4	4	4	4	4	4	172,869	4	160,953	4	148,916	4	136,880	4	124,843	4	112,806		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	172,624	1/4	160,702	1/4	148,666	1/4	136,629	1/4	124,592	1/4	112,556		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	172,378	1/2	160,451	1/2	148,415	1/2	136,378	1/2	124,342	1/2	112,305		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	172,133	3/4	160,201	3/4	148,164	3/4	136,127	3/4	124,091	3/4	112,054		
5	5	5	5	5	5	5	5	171,888	5	159,950	5	147,913	5	135,877	5	123,840	5	111,803		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	171,643	1/4	159,699	1/4	147,663	1/4	135,626	1/4	123,589	1/4	111,553		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	171,394	1/2	159,448	1/2	147,412	1/2	135,375	1/2	123,338	1/2	111,302		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	171,146	3/4	159,198	3/4	147,161	3/4	135,124	3/4	123,088	3/4	111,051		
6	6	6	6	6	6	6	6	170,897	6	158,947	6	146,910	6	134,874	6	122,837	6	110,800		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	170,649	1/4	158,696	1/4	146,659	1/4	134,623	1/4	122,586	1/4	110,549		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	170,401	1/2	158,445	1/2	146,409	1/2	134,372	1/2	122,335	1/2	110,299		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	170,152	3/4	158,195	3/4	146,158	3/4	134,121	3/4	122,085	3/4	110,048		
7	7	7	7	7	7	7	7	169,904	7	157,944	7	145,907	7	133,871	7	121,834	7	109,797		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	169,655	1/4	157,693	1/4	145,656	1/4	133,620	1/4	121,583	1/4	109,546		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	169,407	1/2	157,442	1/2	145,406	1/2	133,369	1/2	121,332	1/2	109,296		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	169,158	3/4	157,192	3/4	145,155	3/4	133,118	3/4	121,082	3/4	109,045		
8	8	8	8	8	8	8	8	168,910	8	156,941	8	144,904	8	132,867	8	120,831	8	108,794		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	168,661	1/4	156,690	1/4	144,653	1/4	132,617	1/4	120,580	1/4	108,543		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	168,413	1/2	156,439	1/2	144,403	1/2	132,366	1/2	120,329	1/2	108,293		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	168,165	3/4	156,188	3/4	144,152	3/4	132,115	3/4	120,079	3/4	108,042		
9	9	9	9	9	9	9	9	167,916	9	155,938	9	143,901	9	131,864	9	119,828	9	107,791		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	167,668	1/4	155,687	1/4	143,650	1/4	131,614	1/4	119,577	1/4	107,540		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	167,419	1/2	155,436	1/2	143,400	1/2	131,363	1/2	119,326	1/2	107,290		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	167,171	3/4	155,185	3/4	143,149	3/4	131,112	3/4	119,075	3/4	107,039		
10	10	10	10	10	10	10	10	166,922	10	154,935	10	142,898	10	130,861	10	118,825	10	106,788		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	166,674	1/4	154,684	1/4	142,647	1/4	130,611	1/4	118,574	1/4	106,537		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	166,426	1/2	154,433	1/2	142,396	1/2	130,360	1/2	118,323	1/2	106,287		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	176,547	3/4	166,177	3/4	154,182	3/4	142,146	3/4	130,109	3/4	118,072		
11	11	11	11	11	11	11	11	176,526	11	165,929	11	153,932	11	141,895	11	129,858	11	117,822	11	105,785
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	176,506	1/4	165,680	1/4	153,681	1/4	141,644	1/4	129,608	1/4	117,571	1/4	105,534
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	176,422	1/2	165,432	1/2	153,430	1/2	141,393	1/2	129,357	1/2	117,320	1/2	105,283
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	176,338	3/4	165,183	3/4	153,179	3/4	141,143	3/4	129,106	3/4	117,069	3/4	105,033

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 "MMC" VALVE  
 GAUGE POINT: (MMC) LOCATED 1'-00" OFF CENTERLINE AND 30'-06" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "DBL 143"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 18'-10 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	104,782	0	92,745	0	80,703	0	68,660	0	56,618	0	44,576	0	32,533	0	20,515	0	8,774	0	
1/4	104,531	1/4	92,495	1/4	80,452	1/4	68,410	1/4	56,367	1/4	44,325	1/4	32,282	1/4	20,273	1/4	8,524	1/4	
1/2	104,280	1/2	92,244	1/2	80,201	1/2	68,159	1/2	56,116	1/2	44,074	1/2	32,031	1/2	20,030	1/2	8,273	1/2	
3/4	104,030	3/4	91,993	3/4	79,950	3/4	67,908	3/4	55,865	3/4	43,823	3/4	31,780	3/4	19,787	3/4	8,022	3/4	
1	103,779	1	91,742	1	79,699	1	67,657	1	55,614	1	43,572	1	31,530	1	19,545	1	7,771	1	
1/4	103,528	1/4	91,491	1/4	79,449	1/4	67,406	1/4	55,364	1/4	43,321	1/4	31,279	1/4	19,302	1/4	7,521	1/4	
1/2	103,277	1/2	91,240	1/2	79,198	1/2	67,155	1/2	55,113	1/2	43,070	1/2	31,028	1/2	19,059	1/2	7,270	1/2	
3/4	103,027	3/4	90,989	3/4	78,947	3/4	66,904	3/4	54,862	3/4	42,819	3/4	30,777	3/4	18,816	3/4	7,019	3/4	
2	102,776	2	90,738	2	78,696	2	66,653	2	54,611	2	42,568	2	30,526	2	18,574	2	6,769	2	
1/4	102,525	1/4	90,487	1/4	78,445	1/4	66,403	1/4	54,360	1/4	42,318	1/4	30,275	1/4	18,331	1/4	6,518	1/4	
1/2	102,274	1/2	90,237	1/2	78,194	1/2	66,152	1/2	54,109	1/2	42,067	1/2	30,024	1/2	18,088	1/2	6,267	1/2	
3/4	102,024	3/4	89,986	3/4	77,943	3/4	65,901	3/4	53,858	3/4	41,816	3/4	29,773	3/4	17,846	3/4	6,016	3/4	
3	101,773	3	89,735	3	77,692	3	65,650	3	53,607	3	41,565	3	29,523	3	17,603	3	5,765	3	
1/4	101,522	1/4	89,484	1/4	77,441	1/4	65,399	1/4	53,357	1/4	41,314	1/4	29,272	1/4	17,360	1/4	5,514	1/4	
1/2	101,271	1/2	89,233	1/2	77,191	1/2	65,148	1/2	53,106	1/2	41,063	1/2	29,021	1/2	17,118	1/2	5,264	1/2	
3/4	101,020	3/4	88,982	3/4	76,940	3/4	64,897	3/4	52,855	3/4	40,812	3/4	28,770	3/4	16,875	3/4	5,013	3/4	
4	100,770	4	88,731	4	76,689	4	64,646	4	52,604	4	40,561	4	28,519	4	16,632	4	4,763	4	
1/4	100,519	1/4	88,480	1/4	76,438	1/4	64,395	1/4	52,353	1/4	40,311	1/4	28,268	1/4	16,390	1/4	4,512	1/4	
1/2	100,268	1/2	88,229	1/2	76,187	1/2	64,145	1/2	52,102	1/2	40,060	1/2	28,017	1/2	16,147	1/2	4,262	1/2	
3/4	100,017	3/4	87,979	3/4	75,936	3/4	63,894	3/4	51,851	3/4	39,809	3/4	27,766	3/4	15,904	3/4	4,013	3/4	
5	99,767	5	87,728	5	75,685	5	63,643	5	51,600	5	39,558	5	27,515	5	15,662	5	3,763	5	
1/4	99,516	1/4	87,477	1/4	75,434	1/4	63,392	1/4	51,349	1/4	39,307	1/4	27,265	1/4	15,419	1/4	3,513	1/4	
1/2	99,265	1/2	87,226	1/2	75,183	1/2	63,141	1/2	51,099	1/2	39,056	1/2	27,014	1/2	15,176	1/2	3,264	1/2	
3/4	99,014	3/4	86,975	3/4	74,933	3/4	62,890	3/4	50,848	3/4	38,805	3/4	26,763	3/4	14,934	3/4	3,015	3/4	
6	98,764	6	86,724	6	74,682	6	62,639	6	50,597	6	38,554	6	26,512	6	14,691	6	2,766	6	
1/4	98,513	1/4	86,473	1/4	74,431	1/4	62,388	1/4	50,346	1/4	38,303	1/4	26,261	1/4	14,448	1/4	2,518	1/4	
1/2	98,262	1/2	86,222	1/2	74,180	1/2	62,137	1/2	50,095	1/2	38,053	1/2	26,010	1/2	14,206	1/2	2,271	1/2	
3/4	98,011	3/4	85,972	3/4	73,929	3/4	61,887	3/4	49,844	3/4	37,802	3/4	25,759	3/4	13,963	3/4	2,024	3/4	
7	97,761	7	85,721	7	73,678	7	61,636	7	49,593	7	37,551	7	25,508	7	13,721	7	1,778	7	
1/4	97,510	1/4	85,470	1/4	73,427	1/4	61,385	1/4	49,342	1/4	37,300	1/4	25,257	1/4	13,478	1/4	1,531	1/4	
1/2	97,259	1/2	85,219	1/2	73,176	1/2	61,134	1/2	49,091	1/2	37,049	1/2	25,007	1/2	13,235	1/2	1,322	1/2	
3/4	97,008	3/4	84,968	3/4	72,926	3/4	60,883	3/4	48,841	3/4	36,798	3/4	24,756	3/4	12,992	3/4	1,114	3/4	
8	96,757	8	84,717	8	72,675	8	60,632	8	48,590	8	36,547	8	24,505	8	12,748	8	905	8	
1/4	96,507	1/4	84,466	1/4	72,424	1/4	60,381	1/4	48,339	1/4	36,296	1/4	24,254	1/4	12,505	1/4	696	1/4	
1/2	96,256	1/2	84,215	1/2	72,173	1/2	60,130	1/2	48,088	1/2	36,045	1/2	24,003	1/2	12,262	1/2	571	1/2	
3/4	96,005	3/4	83,964	3/4	71,922	3/4	59,880	3/4	47,837	3/4	35,795	3/4	23,752	3/4	12,019	3/4	445	3/4	
9	95,754	9	83,714	9	71,671	9	59,629	9	47,586	9	35,544	9	23,501	9	11,776	9	320	9	
1/4	95,504	1/4	83,463	1/4	71,420	1/4	59,378	1/4	47,335	1/4	35,293	1/4	23,250	1/4	11,532	1/4	194	1/4	
1/2	95,253	1/2	83,212	1/2	71,169	1/2	59,127	1/2	47,084	1/2	35,042	1/2	23,000	1/2	11,282	1/2	153	1/2	
3/4	95,002	3/4	82,961	3/4	70,918	3/4	58,876	3/4	46,834	3/4	34,791	3/4	22,749	3/4	11,031	3/4	111	3/4	
10	94,751	10	82,710	10	70,668	10	58,625	10	46,583	10	34,540	10	22,498	10	10,780	10	69	10	
1/4	94,501	1/4	82,459	1/4	70,417	1/4	58,374	1/4	46,332	1/4	34,289	1/4	22,247	1/4	10,530	1/4	27	1/4	
1/2	94,250	1/2	82,208	1/2	70,166	1/2	58,123	1/2	46,081	1/2	34,038	1/2	21,996	1/2	10,279	1/2		1/2	
3/4	93,999	3/4	81,957	3/4	69,915	3/4	57,872	3/4	45,830	3/4	33,788	3/4	21,745	3/4	10,028	3/4		3/4	
11	93,748	11	81,706	11	69,664	11	57,622	11	45,579	11	33,537	11	21,494	11	9,777	11		11	
1/4	93,498	1/4	81,456	1/4	69,413	1/4	57,371	1/4	45,328	1/4	33,286	1/4	21,243	1/4	9,527	1/4		1/4	
1/2	93,247	1/2	81,205	1/2	69,162	1/2	57,120	1/2	45,077	1/2	33,035	1/2	21,001	1/2	9,276	1/2		1/2	
3/4	92,996	3/4	80,954	3/4	68,911	3/4	56,869	3/4	44,826	3/4	32,784	3/4	20,758	3/4	9,025	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/11/2020 CL  
CALCULATED: 05/11/2020 CL  
PRINTED: 05/11/2020 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2020

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



# BARGE "DBL 143"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 18'-10 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	156,117	0	146,258	0	135,648	0	125,010	0	114,372	0	103,735
1/4		1/4		1/4		1/4		1/4	156,044	1/4	146,038	1/4	135,427	1/4	124,789	1/4	114,151	1/4	103,513
1/2		1/2		1/2		1/2		1/2	155,970	1/2	145,819	1/2	135,205	1/2	124,567	1/2	113,929	1/2	103,291
3/4		3/4		3/4		3/4		3/4	155,827	3/4	145,599	3/4	134,983	3/4	124,346	3/4	113,708	3/4	103,070
1		1		1		1		1	155,684	1	145,379	1	134,762	1	124,124	1	113,486	1	102,848
1/4		1/4		1/4		1/4		1/4	155,541	1/4	145,160	1/4	134,540	1/4	123,902	1/4	113,264	1/4	102,626
1/2		1/2		1/2		1/2		1/2	155,398	1/2	144,940	1/2	134,319	1/2	123,681	1/2	113,043	1/2	102,405
3/4		3/4		3/4		3/4		3/4	155,191	3/4	144,721	3/4	134,097	3/4	123,459	3/4	112,821	3/4	102,183
2		2		2		2		2	154,983	2	144,501	2	133,875	2	123,237	2	112,599	2	101,962
1/4		1/4		1/4		1/4		1/4	154,776	1/4	144,281	1/4	133,654	1/4	123,016	1/4	112,378	1/4	101,740
1/2		1/2		1/2		1/2		1/2	154,568	1/2	144,062	1/2	133,432	1/2	122,794	1/2	112,156	1/2	101,518
3/4		3/4		3/4		3/4		3/4	154,351	3/4	143,842	3/4	133,210	3/4	122,573	3/4	111,935	3/4	101,297
3		3		3		3		3	154,135	3	143,623	3	132,989	3	122,351	3	111,713	3	101,075
1/4		1/4		1/4		1/4		1/4	153,918	1/4	143,403	1/4	132,767	1/4	122,129	1/4	111,491	1/4	100,853
1/2		1/2		1/2		1/2		1/2	153,701	1/2	143,183	1/2	132,546	1/2	121,908	1/2	111,270	1/2	100,632
3/4		3/4		3/4		3/4		3/4	153,484	3/4	142,962	3/4	132,324	3/4	121,686	3/4	111,048	3/4	100,410
4		4		4		4		4	153,268	4	142,740	4	132,102	4	121,464	4	110,827	4	100,189
1/4		1/4		1/4		1/4		1/4	153,051	1/4	142,519	1/4	131,881	1/4	121,243	1/4	110,605	1/4	99,967
1/2		1/2		1/2		1/2		1/2	152,834	1/2	142,297	1/2	131,659	1/2	121,021	1/2	110,383	1/2	99,745
3/4		3/4		3/4		3/4		3/4	152,617	3/4	142,075	3/4	131,437	3/4	120,800	3/4	110,162	3/4	99,524
5		5		5		5		5	152,400	5	141,854	5	131,216	5	120,578	5	109,940	5	99,302
1/4		1/4		1/4		1/4		1/4	152,184	1/4	141,632	1/4	130,994	1/4	120,356	1/4	109,718	1/4	99,080
1/2		1/2		1/2		1/2		1/2	151,967	1/2	141,411	1/2	130,773	1/2	120,135	1/2	109,497	1/2	98,859
3/4		3/4		3/4		3/4		3/4	151,747	3/4	141,189	3/4	130,551	3/4	119,913	3/4	109,275	3/4	98,637
6		6		6		6		6	151,528	6	140,967	6	130,329	6	119,691	6	109,054	6	98,416
1/4		1/4		1/4		1/4		1/4	151,308	1/4	140,746	1/4	130,108	1/4	119,470	1/4	108,832	1/4	98,194
1/2		1/2		1/2		1/2		1/2	151,089	1/2	140,524	1/2	129,886	1/2	119,248	1/2	108,610	1/2	97,972
3/4		3/4		3/4		3/4		3/4	150,869	3/4	140,302	3/4	129,664	3/4	119,027	3/4	108,389	3/4	97,751
7		7		7		7		7	150,649	7	140,081	7	129,443	7	118,805	7	108,167	7	97,529
1/4		1/4		1/4		1/4		1/4	150,430	1/4	139,859	1/4	129,221	1/4	118,583	1/4	107,945	1/4	97,307
1/2		1/2		1/2		1/2		1/2	150,210	1/2	139,638	1/2	129,000	1/2	118,362	1/2	107,724	1/2	97,086
3/4		3/4		3/4		3/4		3/4	149,991	3/4	139,416	3/4	128,778	3/4	118,140	3/4	107,502	3/4	96,864
8		8		8		8		8	149,771	8	139,194	8	128,556	8	117,918	8	107,281	8	96,643
1/4		1/4		1/4		1/4		1/4	149,551	1/4	138,973	1/4	128,335	1/4	117,697	1/4	107,059	1/4	96,421
1/2		1/2		1/2		1/2		1/2	149,332	1/2	138,751	1/2	128,113	1/2	117,475	1/2	106,837	1/2	96,199
3/4		3/4		3/4		3/4		3/4	149,112	3/4	138,529	3/4	127,891	3/4	117,254	3/4	106,616	3/4	95,978
9		9		9		9		9	148,893	9	138,308	9	127,670	9	117,032	9	106,394	9	95,756
1/4		1/4		1/4		1/4		1/4	148,673	1/4	138,086	1/4	127,448	1/4	116,810	1/4	106,172	1/4	95,535
1/2		1/2		1/2		1/2		1/2	148,454	1/2	137,865	1/2	127,227	1/2	116,589	1/2	105,951	1/2	95,313
3/4		3/4		3/4		3/4		3/4	148,234	3/4	137,643	3/4	127,005	3/4	116,367	3/4	105,729	3/4	95,091
10		10		10		10		10	148,014	10	137,421	10	126,783	10	116,145	10	105,508	10	94,870
1/4		1/4		1/4		1/4		1/4	147,795	1/4	137,200	1/4	126,562	1/4	115,924	1/4	105,286	1/4	94,648
1/2		1/2		1/2		1/2		1/2	147,575	1/2	136,978	1/2	126,340	1/2	115,702	1/2	105,064	1/2	94,426
3/4		3/4		3/4		3/4		3/4	147,356	3/4	136,756	3/4	126,119	3/4	115,481	3/4	104,843	3/4	94,205
11		11		11		11	156,302	11	147,136	11	136,535	11	125,897	11	115,259	11	104,621	11	93,983
1/4		1/4		1/4		1/4	156,284	1/4	146,916	1/4	136,313	1/4	125,675	1/4	115,037	1/4	104,399	1/4	93,762
1/2		1/2		1/2		1/2	156,265	1/2	146,697	1/2	136,092	1/2	125,454	1/2	114,816	1/2	104,178	1/2	93,540
3/4		3/4		3/4		3/4	156,191	3/4	146,477	3/4	135,870	3/4	125,232	3/4	114,594	3/4	103,956	3/4	93,318

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 "MMC" VALVE  
 GAUGE POINT: (MMC) LOCATED 1'-00" OFF CENTERLINE AND 25'-03" FORWARD OF AFT BULKHEAD

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



# BARGE "DBL 143"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 18'-10 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	93,097	0	82,459	0	71,816	0	61,173	0	50,530	0	39,887	0	29,244	0	18,604	0	7,981	0	
1/4	92,875	1/4	82,237	1/4	71,594	1/4	60,951	1/4	50,308	1/4	39,665	1/4	29,022	1/4	18,383	1/4	7,759	1/4	
1/2	92,653	1/2	82,015	1/2	71,372	1/2	60,729	1/2	50,086	1/2	39,443	1/2	28,800	1/2	18,161	1/2	7,537	1/2	
3/4	92,432	3/4	81,794	3/4	71,151	3/4	60,508	3/4	49,865	3/4	39,222	3/4	28,579	3/4	17,940	3/4	7,316	3/4	
1	92,210	1	81,572	1	70,929	1	60,286	1	49,643	1	39,000	1	28,357	1	17,719	1	7,094	1	
1/4	91,989	1/4	81,350	1/4	70,707	1/4	60,064	1/4	49,421	1/4	38,778	1/4	28,135	1/4	17,498	1/4	6,872	1/4	
1/2	91,767	1/2	81,129	1/2	70,486	1/2	59,843	1/2	49,200	1/2	38,557	1/2	27,914	1/2	17,277	1/2	6,650	1/2	
3/4	91,545	3/4	80,907	3/4	70,264	3/4	59,621	3/4	48,978	3/4	38,335	3/4	27,692	3/4	17,056	3/4	6,429	3/4	
2	91,324	2	80,685	2	70,042	2	59,399	2	48,756	2	38,113	2	27,470	2	16,835	2	6,207	2	
1/4	91,102	1/4	80,463	1/4	69,820	1/4	59,177	1/4	48,534	1/4	37,891	1/4	27,248	1/4	16,614	1/4	5,985	1/4	
1/2	90,880	1/2	80,242	1/2	69,599	1/2	58,956	1/2	48,313	1/2	37,670	1/2	27,027	1/2	16,392	1/2	5,764	1/2	
3/4	90,659	3/4	80,020	3/4	69,377	3/4	58,734	3/4	48,091	3/4	37,448	3/4	26,805	3/4	16,171	3/4	5,542	3/4	
3	90,437	3	79,798	3	69,155	3	58,512	3	47,869	3	37,226	3	26,583	3	15,950	3	5,320	3	
1/4	90,216	1/4	79,576	1/4	68,933	1/4	58,290	1/4	47,647	1/4	37,004	1/4	26,361	1/4	15,729	1/4	5,099	1/4	
1/2	89,994	1/2	79,355	1/2	68,712	1/2	58,069	1/2	47,426	1/2	36,783	1/2	26,140	1/2	15,508	1/2	4,877	1/2	
3/4	89,772	3/4	79,133	3/4	68,490	3/4	57,847	3/4	47,204	3/4	36,561	3/4	25,918	3/4	15,287	3/4	4,655	3/4	
4	89,551	4	78,911	4	68,268	4	57,625	4	46,982	4	36,339	4	25,696	4	15,066	4	4,434	4	
1/4	89,329	1/4	78,690	1/4	68,047	1/4	57,404	1/4	46,761	1/4	36,118	1/4	25,474	1/4	14,845	1/4	4,213	1/4	
1/2	89,107	1/2	78,468	1/2	67,825	1/2	57,182	1/2	46,539	1/2	35,896	1/2	25,253	1/2	14,624	1/2	3,991	1/2	
3/4	88,886	3/4	78,246	3/4	67,603	3/4	56,960	3/4	46,317	3/4	35,674	3/4	25,031	3/4	14,402	3/4	3,770	3/4	
5	88,664	5	78,024	5	67,381	5	56,738	5	46,095	5	35,452	5	24,809	5	14,181	5	3,549	5	
1/4	88,443	1/4	77,803	1/4	67,160	1/4	56,517	1/4	45,874	1/4	35,231	1/4	24,588	1/4	13,960	1/4	3,329	1/4	
1/2	88,221	1/2	77,581	1/2	66,938	1/2	56,295	1/2	45,652	1/2	35,009	1/2	24,366	1/2	13,739	1/2	3,108	1/2	
3/4	87,999	3/4	77,359	3/4	66,716	3/4	56,073	3/4	45,430	3/4	34,787	3/4	24,144	3/4	13,518	3/4	2,888	3/4	
6	87,778	6	77,137	6	66,494	6	55,851	6	45,208	6	34,565	6	23,922	6	13,297	6	2,668	6	
1/4	87,556	1/4	76,916	1/4	66,273	1/4	55,630	1/4	44,987	1/4	34,344	1/4	23,701	1/4	13,076	1/4	2,448	1/4	
1/2	87,334	1/2	76,694	1/2	66,051	1/2	55,408	1/2	44,765	1/2	34,122	1/2	23,479	1/2	12,855	1/2	2,228	1/2	
3/4	87,113	3/4	76,472	3/4	65,829	3/4	55,186	3/4	44,543	3/4	33,900	3/4	23,257	3/4	12,634	3/4	2,010	3/4	
7	86,891	7	76,251	7	65,608	7	54,965	7	44,321	7	33,678	7	23,035	7	12,412	7	1,792	7	
1/4	86,670	1/4	76,029	1/4	65,386	1/4	54,743	1/4	44,100	1/4	33,457	1/4	22,814	1/4	12,191	1/4	1,574	1/4	
1/2	86,448	1/2	75,807	1/2	65,164	1/2	54,521	1/2	43,878	1/2	33,235	1/2	22,592	1/2	11,970	1/2	1,356	1/2	
3/4	86,226	3/4	75,585	3/4	64,942	3/4	54,299	3/4	43,656	3/4	33,013	3/4	22,370	3/4	11,749	3/4	1,172	3/4	
8	86,005	8	75,364	8	64,721	8	54,078	8	43,435	8	32,792	8	22,149	8	11,528	8	987	8	
1/4	85,783	1/4	75,142	1/4	64,499	1/4	53,856	1/4	43,213	1/4	32,570	1/4	21,927	1/4	11,306	1/4	803	1/4	
1/2	85,561	1/2	74,920	1/2	64,277	1/2	53,634	1/2	42,991	1/2	32,348	1/2	21,705	1/2	11,085	1/2	618	1/2	
3/4	85,340	3/4	74,698	3/4	64,055	3/4	53,412	3/4	42,769	3/4	32,126	3/4	21,483	3/4	10,863	3/4	507	3/4	
9	85,118	9	74,477	9	63,834	9	53,191	9	42,548	9	31,905	9	21,262	9	10,641	9	397	9	
1/4	84,897	1/4	74,255	1/4	63,612	1/4	52,969	1/4	42,326	1/4	31,683	1/4	21,040	1/4	10,420	1/4	286	1/4	
1/2	84,675	1/2	74,033	1/2	63,390	1/2	52,747	1/2	42,104	1/2	31,461	1/2	20,818	1/2	10,198	1/2	175	1/2	
3/4	84,453	3/4	73,812	3/4	63,168	3/4	52,525	3/4	41,882	3/4	31,239	3/4	20,596	3/4	9,976	3/4	138	3/4	
10	84,232	10	73,590	10	62,947	10	52,304	10	41,661	10	31,018	10	20,375	10	9,755	10	101	10	
1/4	84,010	1/4	73,368	1/4	62,725	1/4	52,082	1/4	41,439	1/4	30,796	1/4	20,153	1/4	9,533	1/4	64	1/4	
1/2	83,788	1/2	73,146	1/2	62,503	1/2	51,860	1/2	41,217	1/2	30,574	1/2	19,931	1/2	9,311	1/2	27	1/2	
3/4	83,567	3/4	72,925	3/4	62,282	3/4	51,639	3/4	40,996	3/4	30,353	3/4	19,710	3/4	9,089	3/4		3/4	
11	83,345	11	72,703	11	62,060	11	51,417	11	40,774	11	30,131	11	19,489	11	8,868	11		11	
1/4	83,124	1/4	72,481	1/4	61,838	1/4	51,195	1/4	40,552	1/4	29,909	1/4	19,267	1/4	8,646	1/4		1/4	
1/2	82,902	1/2	72,259	1/2	61,616	1/2	50,973	1/2	40,330	1/2	29,687	1/2	19,046	1/2	8,424	1/2		1/2	
3/4	82,680	3/4	72,038	3/4	61,395	3/4	50,752	3/4	40,109	3/4	29,466	3/4	18,825	3/4	8,202	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/11/2020 CL  
CALCULATED: 05/11/2020 CL  
PRINTED: 05/11/2020 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2020

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