



# BARGE: DBL 145

## 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	- 01-1/8	01-1/8	- 02-1/8	02-1/8	- 03-1/4	03-1/4	- 04-2/8	04-2/8	- 05-3/8	05-3/8	- 06-1/2	06-1/2
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)

April 8, 2021

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 2 CENTER IS - 00-1/8"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 CENTER, THE TRIM CORRECTED ULLAGE IS 3'-11 7/8'



# BARGE "DBL 145"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 18'-10"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0		0		0	151,351	0	142,378	0	132,947	0	123,495	0	114,043	0	104,045		
1/4		1/4		1/4		1/4		1/4	151,234	1/4	142,183	1/4	132,750	1/4	123,298	1/4	113,846	1/4	103,821		
1/2		1/2		1/2		1/2		1/2	151,117	1/2	141,987	1/2	132,553	1/2	123,101	1/2	113,649	1/2	103,597		
3/4		3/4		3/4		3/4		3/4	150,999	3/4	141,792	3/4	132,356	3/4	122,904	3/4	113,452	3/4	103,373		
1		1		1		1		1	150,882	1	141,597	1	132,159	1	122,707	1	113,255	1	103,150		
1/4		1/4		1/4		1/4		1/4	150,699	1/4	141,402	1/4	131,962	1/4	122,510	1/4	113,058	1/4	102,926		
1/2		1/2		1/2		1/2		1/2	150,516	1/2	141,207	1/2	131,765	1/2	122,313	1/2	112,861	1/2	102,702		
3/4		3/4		3/4		3/4		3/4	150,333	3/4	141,012	3/4	131,568	3/4	122,116	3/4	112,664	3/4	102,478		
2		2		2		2		2	150,150	2	140,816	2	131,371	2	121,919	2	112,468	2	102,254		
1/4		1/4		1/4		1/4		1/4	149,958	1/4	140,621	1/4	131,175	1/4	121,723	1/4	112,271	1/4	102,030		
1/2		1/2		1/2		1/2		1/2	149,765	1/2	140,426	1/2	130,978	1/2	121,526	1/2	112,074	1/2	101,806		
3/4		3/4		3/4		3/4		3/4	149,573	3/4	140,231	3/4	130,781	3/4	121,329	3/4	111,877	3/4	101,582		
3		3		3		3		3	149,381	3	140,036	3	130,584	3	121,132	3	111,680	3	101,358		
1/4		1/4		1/4		1/4		1/4	149,189	1/4	139,839	1/4	130,387	1/4	120,935	1/4	111,483	1/4	101,134		
1/2		1/2		1/2		1/2		1/2	148,996	1/2	139,642	1/2	130,190	1/2	120,738	1/2	111,286	1/2	100,910		
3/4		3/4		3/4		3/4		3/4	148,804	3/4	139,445	3/4	129,993	3/4	120,541	3/4	111,089	3/4	100,686		
4		4		4		4		4	148,612	4	139,248	4	129,796	4	120,344	4	110,892	4	100,462		
1/4		1/4		1/4		1/4		1/4	148,419	1/4	139,051	1/4	129,599	1/4	120,147	1/4	110,695	1/4	100,238		
1/2		1/2		1/2		1/2		1/2	148,227	1/2	138,854	1/2	129,402	1/2	119,950	1/2	110,498	1/2	100,014		
3/4		3/4		3/4		3/4		3/4	148,035	3/4	138,657	3/4	129,205	3/4	119,753	3/4	110,301	3/4	99,790		
5		5		5		5		5	147,842	5	138,460	5	129,008	5	119,556	5	110,105	5	99,566		
1/4		1/4		1/4		1/4		1/4	147,647	1/4	138,263	1/4	128,812	1/4	119,360	1/4	109,908	1/4	99,342		
1/2		1/2		1/2		1/2		1/2	147,452	1/2	138,067	1/2	128,615	1/2	119,163	1/2	109,711	1/2	99,118		
3/4		3/4		3/4		3/4		3/4	147,257	3/4	137,870	3/4	128,418	3/4	118,966	3/4	109,514	3/4	98,894		
6		6		6		6		6	147,062	6	137,673	6	128,221	6	118,769	6	109,317	6	98,670		
1/4		1/4		1/4		1/4		1/4	146,867	1/4	137,476	1/4	128,024	1/4	118,572	1/4	109,120	1/4	98,446		
1/2		1/2		1/2		1/2		1/2	146,671	1/2	137,279	1/2	127,827	1/2	118,375	1/2	108,923	1/2	98,222		
3/4		3/4		3/4		3/4		3/4	146,476	3/4	137,082	3/4	127,630	3/4	118,178	3/4	108,726	3/4	97,998		
7		7		7		7		7	146,281	7	136,885	7	127,433	7	117,981	7	108,529	7	97,774		
1/4		1/4		1/4		1/4		1/4	146,086	1/4	136,688	1/4	127,236	1/4	117,784	1/4	108,305	1/4	97,550		
1/2		1/2		1/2		1/2		1/2	145,891	1/2	136,491	1/2	127,039	1/2	117,587	1/2	108,080	1/2	97,326		
3/4		3/4		3/4		3/4		3/4	145,696	3/4	136,294	3/4	126,842	3/4	117,390	3/4	107,856	3/4	97,102		
8		8		8		8		8	145,500	8	136,097	8	126,645	8	117,194	8	107,631	8	96,878		
1/4		1/4		1/4		1/4		1/4	145,305	1/4	135,900	1/4	126,449	1/4	116,997	1/4	107,407	1/4	96,654		
1/2		1/2		1/2		1/2		1/2	145,110	1/2	135,704	1/2	126,252	1/2	116,800	1/2	107,182	1/2	96,430		
3/4		3/4		3/4		3/4		3/4	144,915	3/4	135,507	3/4	126,055	3/4	116,603	3/4	106,958	3/4	96,207		
9		9		9		9		9	144,720	9	135,310	9	125,858	9	116,406	9	106,733	9	95,983		
1/4		1/4		1/4		1/4		1/4	144,525	1/4	135,113	1/4	125,661	1/4	116,209	1/4	106,509	1/4	95,759		
1/2		1/2		1/2		1/2		1/2	144,329	1/2	134,916	1/2	125,464	1/2	116,012	1/2	106,285	1/2	95,535		
3/4		3/4		3/4		3/4		3/4	144,134	3/4	134,719	3/4	125,267	3/4	115,815	3/4	106,061	3/4	95,311		
10		10		10		10		10	143,939	10	134,522	10	125,070	10	115,618	10	105,837	10	95,087		
1/4		1/4		1/4		1/4		1/4	143,744	1/4	134,325	1/4	124,873	1/4	115,421	1/4	105,613	1/4	94,863		
1/2		1/2		1/2		1/2		1/2	143,549	1/2	134,128	1/2	124,676	1/2	115,224	1/2	105,389	1/2	94,639		
3/4		3/4		3/4		3/4		3/4	143,354	3/4	133,931	3/4	124,479	3/4	115,027	3/4	105,165	3/4	94,415		
11		11		11		11	151,651	11	143,158	11	133,734	11	124,282	11	114,831	11	104,941	11	94,191		
1/4		1/4		1/4		1/4		1/4	151,576	1/4	142,963	1/4	133,537	1/4	124,086	1/4	114,634	1/4	104,717	1/4	93,967
1/2		1/2		1/2		1/2		1/2	151,501	1/2	142,768	1/2	133,341	1/2	123,889	1/2	114,437	1/2	104,493	1/2	93,743
3/4		3/4		3/4		3/4		3/4	151,426	3/4	142,573	3/4	133,144	3/4	123,692	3/4	114,240	3/4	104,269	3/4	93,519

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 12'-04" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "DBL 145"

## 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	93,295	0	82,545	0	71,790	0	61,035	0	50,280	0	39,637	0	28,886	0	18,160	0	7,624	0	
1/4	93,071	1/4	82,320	1/4	71,566	1/4	60,811	1/4	50,058	1/4	39,413	1/4	28,663	1/4	17,942	1/4	7,400	1/4	
1/2	92,847	1/2	82,096	1/2	71,342	1/2	60,587	1/2	49,835	1/2	39,189	1/2	28,439	1/2	17,724	1/2	7,176	1/2	
3/4	92,623	3/4	81,872	3/4	71,117	3/4	60,363	3/4	49,613	3/4	38,965	3/4	28,215	3/4	17,506	3/4	6,952	3/4	
1	92,399	1	81,648	1	70,893	1	60,139	1	49,390	1	38,741	1	27,991	1	17,288	1	6,728	1	
1/4	92,175	1/4	81,424	1/4	70,669	1/4	59,915	1/4	49,168	1/4	38,517	1/4	27,767	1/4	17,070	1/4	6,504	1/4	
1/2	91,951	1/2	81,200	1/2	70,445	1/2	59,690	1/2	48,945	1/2	38,293	1/2	27,543	1/2	16,852	1/2	6,280	1/2	
3/4	91,727	3/4	80,976	3/4	70,221	3/4	59,466	3/4	48,723	3/4	38,069	3/4	27,319	3/4	16,634	3/4	6,056	3/4	
2	91,503	2	80,752	2	69,997	2	59,242	2	48,500	2	37,845	2	27,095	2	16,416	2	5,832	2	
1/4	91,279	1/4	80,528	1/4	69,773	1/4	59,018	1/4	48,279	1/4	37,621	1/4	26,871	1/4	16,198	1/4	5,608	1/4	
1/2	91,055	1/2	80,304	1/2	69,549	1/2	58,794	1/2	48,058	1/2	37,397	1/2	26,647	1/2	15,980	1/2	5,384	1/2	
3/4	90,831	3/4	80,080	3/4	69,325	3/4	58,570	3/4	47,837	3/4	37,173	3/4	26,423	3/4	15,762	3/4	5,160	3/4	
3	90,607	3	79,856	3	69,101	3	58,346	3	47,616	3	36,949	3	26,199	3	15,544	3	4,936	3	
1/4	90,383	1/4	79,632	1/4	68,877	1/4	58,122	1/4	47,395	1/4	36,725	1/4	25,975	1/4	15,326	1/4	4,712	1/4	
1/2	90,159	1/2	79,408	1/2	68,653	1/2	57,898	1/2	47,174	1/2	36,501	1/2	25,751	1/2	15,108	1/2	4,488	1/2	
3/4	89,935	3/4	79,184	3/4	68,429	3/4	57,674	3/4	46,953	3/4	36,277	3/4	25,527	3/4	14,890	3/4	4,264	3/4	
4	89,711	4	78,960	4	68,205	4	57,450	4	46,732	4	36,053	4	25,303	4	14,672	4	4,041	4	
1/4	89,487	1/4	78,736	1/4	67,981	1/4	57,226	1/4	46,511	1/4	35,829	1/4	25,079	1/4	14,454	1/4	3,817	1/4	
1/2	89,264	1/2	78,511	1/2	67,757	1/2	57,002	1/2	46,290	1/2	35,605	1/2	24,855	1/2	14,236	1/2	3,594	1/2	
3/4	89,040	3/4	78,287	3/4	67,533	3/4	56,778	3/4	46,069	3/4	35,381	3/4	24,631	3/4	14,018	3/4	3,371	3/4	
5	88,816	5	78,063	5	67,308	5	56,554	5	45,848	5	35,157	5	24,407	5	13,800	5	3,148	5	
1/4	88,592	1/4	77,839	1/4	67,084	1/4	56,330	1/4	45,627	1/4	34,933	1/4	24,183	1/4	13,582	1/4	2,925	1/4	
1/2	88,368	1/2	77,615	1/2	66,860	1/2	56,106	1/2	45,406	1/2	34,709	1/2	23,959	1/2	13,364	1/2	2,702	1/2	
3/4	88,144	3/4	77,391	3/4	66,636	3/4	55,881	3/4	45,185	3/4	34,485	3/4	23,735	3/4	13,146	3/4	2,480	3/4	
6	87,920	6	77,167	6	66,412	6	55,657	6	44,964	6	34,262	6	23,511	6	12,928	6	2,257	6	
1/4	87,696	1/4	76,943	1/4	66,188	1/4	55,433	1/4	44,743	1/4	34,038	1/4	23,287	1/4	12,710	1/4	2,036	1/4	
1/2	87,472	1/2	76,719	1/2	65,964	1/2	55,209	1/2	44,522	1/2	33,814	1/2	23,063	1/2	12,492	1/2	1,815	1/2	
3/4	87,248	3/4	76,495	3/4	65,740	3/4	54,985	3/4	44,301	3/4	33,590	3/4	22,840	3/4	12,274	3/4	1,594	3/4	
7	87,024	7	76,271	7	65,516	7	54,761	7	44,080	7	33,366	7	22,616	7	12,056	7	1,374	7	
1/4	86,800	1/4	76,047	1/4	65,292	1/4	54,537	1/4	43,859	1/4	33,142	1/4	22,392	1/4	11,838	1/4	1,187	1/4	
1/2	86,576	1/2	75,823	1/2	65,068	1/2	54,313	1/2	43,638	1/2	32,918	1/2	22,168	1/2	11,620	1/2	1,000	1/2	
3/4	86,352	3/4	75,599	3/4	64,844	3/4	54,089	3/4	43,417	3/4	32,694	3/4	21,944	3/4	11,402	3/4	813	3/4	
8	86,128	8	75,375	8	64,620	8	53,865	8	43,196	8	32,470	8	21,720	8	11,184	8	626	8	
1/4	85,904	1/4	75,151	1/4	64,396	1/4	53,641	1/4	42,975	1/4	32,246	1/4	21,496	1/4	10,966	1/4	514	1/4	
1/2	85,680	1/2	74,926	1/2	64,172	1/2	53,417	1/2	42,754	1/2	32,022	1/2	21,272	1/2	10,748	1/2	401	1/2	
3/4	85,456	3/4	74,702	3/4	63,948	3/4	53,193	3/4	42,533	3/4	31,798	3/4	21,048	3/4	10,530	3/4	289	3/4	
9	85,232	9	74,478	9	63,724	9	52,969	9	42,312	9	31,574	9	20,824	9	10,312	9	177	9	
1/4	85,008	1/4	74,254	1/4	63,499	1/4	52,745	1/4	42,091	1/4	31,350	1/4	20,600	1/4	10,088	1/4	139	1/4	
1/2	84,784	1/2	74,030	1/2	63,275	1/2	52,521	1/2	41,870	1/2	31,126	1/2	20,376	1/2	9,864	1/2	102	1/2	
3/4	84,560	3/4	73,806	3/4	63,051	3/4	52,297	3/4	41,649	3/4	30,902	3/4	20,152	3/4	9,640	3/4	65	3/4	
10	84,336	10	73,582	10	62,827	10	52,072	10	41,428	10	30,678	10	19,928	10	9,416	10	27	10	
1/4	84,112	1/4	73,358	1/4	62,603	1/4	51,848	1/4	41,204	1/4	30,454	1/4	19,704	1/4	9,192	1/4		1/4	
1/2	83,888	1/2	73,134	1/2	62,379	1/2	51,624	1/2	40,980	1/2	30,230	1/2	19,480	1/2	8,968	1/2		1/2	
3/4	83,664	3/4	72,910	3/4	62,155	3/4	51,400	3/4	40,756	3/4	30,006	3/4	19,256	3/4	8,744	3/4		3/4	
11	83,440	11	72,686	11	61,931	11	51,176	11	40,532	11	29,782	11	19,032	11	8,520	11		11	
1/4	83,216	1/4	72,462	1/4	61,707	1/4	50,952	1/4	40,308	1/4	29,558	1/4	18,814	1/4	8,296	1/4		1/4	
1/2	82,992	1/2	72,238	1/2	61,483	1/2	50,728	1/2	40,084	1/2	29,334	1/2	18,596	1/2	8,072	1/2		1/2	
3/4	82,768	3/4	72,014	3/4	61,259	3/4	50,504	3/4	39,861	3/4	29,110	3/4	18,378	3/4	7,848	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/08/2021 JS  
CALCULATED: 04/08/2021 CL  
PRINTED: 04/08/2021 SW

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2021



# BARGE "DBL 145"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 18'-10"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0		0	176,044	0	164,567	0	152,567	0	140,539	0	128,512	0	116,484
1/4		1/4		1/4		1/4		1/4	175,882	1/4	164,319	1/4	152,317	1/4	140,289	1/4	128,261	1/4	116,233
1/2		1/2		1/2		1/2		1/2	175,721	1/2	164,071	1/2	152,066	1/2	140,038	1/2	128,010	1/2	115,982
3/4		3/4		3/4		3/4		3/4	175,559	3/4	163,823	3/4	151,816	3/4	139,788	3/4	127,760	3/4	115,732
1		1		1		1		1	175,398	1	163,574	1	151,565	1	139,537	1	127,509	1	115,481
1/4		1/4		1/4		1/4		1/4	175,163	1/4	163,326	1/4	151,315	1/4	139,287	1/4	127,259	1/4	115,231
1/2		1/2		1/2		1/2		1/2	174,929	1/2	163,078	1/2	151,064	1/2	139,036	1/2	127,008	1/2	114,980
3/4		3/4		3/4		3/4		3/4	174,694	3/4	162,830	3/4	150,813	3/4	138,785	3/4	126,757	3/4	114,729
2		2		2		2		2	174,459	2	162,581	2	150,563	2	138,535	2	126,507	2	114,479
1/4		1/4		1/4		1/4		1/4	174,214	1/4	162,333	1/4	150,312	1/4	138,284	1/4	126,256	1/4	114,228
1/2		1/2		1/2		1/2		1/2	173,969	1/2	162,085	1/2	150,062	1/2	138,034	1/2	126,006	1/2	113,978
3/4		3/4		3/4		3/4		3/4	173,724	3/4	161,837	3/4	149,811	3/4	137,783	3/4	125,755	3/4	113,727
3		3		3		3		3	173,479	3	161,588	3	149,560	3	137,532	3	125,505	3	113,477
1/4		1/4		1/4		1/4		1/4	173,234	1/4	161,338	1/4	149,310	1/4	137,282	1/4	125,254	1/4	113,226
1/2		1/2		1/2		1/2		1/2	172,989	1/2	161,087	1/2	149,059	1/2	137,031	1/2	125,003	1/2	112,975
3/4		3/4		3/4		3/4		3/4	172,744	3/4	160,837	3/4	148,809	3/4	136,781	3/4	124,753	3/4	112,725
4		4		4		4		4	172,499	4	160,586	4	148,558	4	136,530	4	124,502	4	112,474
1/4		1/4		1/4		1/4		1/4	172,254	1/4	160,336	1/4	148,308	1/4	136,280	1/4	124,252	1/4	112,224
1/2		1/2		1/2		1/2		1/2	172,009	1/2	160,085	1/2	148,057	1/2	136,029	1/2	124,001	1/2	111,973
3/4		3/4		3/4		3/4		3/4	171,764	3/4	159,834	3/4	147,806	3/4	135,778	3/4	123,750	3/4	111,722
5		5		5		5		5	171,519	5	159,584	5	147,556	5	135,528	5	123,500	5	111,472
1/4		1/4		1/4		1/4		1/4	171,270	1/4	159,333	1/4	147,305	1/4	135,277	1/4	123,249	1/4	111,221
1/2		1/2		1/2		1/2		1/2	171,022	1/2	159,083	1/2	147,055	1/2	135,027	1/2	122,999	1/2	110,971
3/4		3/4		3/4		3/4		3/4	170,774	3/4	158,832	3/4	146,804	3/4	134,776	3/4	122,748	3/4	110,720
6		6		6		6		6	170,526	6	158,581	6	146,553	6	134,525	6	122,498	6	110,470
1/4		1/4		1/4		1/4		1/4	170,277	1/4	158,331	1/4	146,303	1/4	134,275	1/4	122,247	1/4	110,219
1/2		1/2		1/2		1/2		1/2	170,029	1/2	158,080	1/2	146,052	1/2	134,024	1/2	121,996	1/2	109,968
3/4		3/4		3/4		3/4		3/4	169,781	3/4	157,830	3/4	145,802	3/4	133,774	3/4	121,746	3/4	109,718
7		7		7		7		7	169,533	7	157,579	7	145,551	7	133,523	7	121,495	7	109,467
1/4		1/4		1/4		1/4		1/4	169,284	1/4	157,329	1/4	145,301	1/4	133,273	1/4	121,245	1/4	109,217
1/2		1/2		1/2		1/2		1/2	169,036	1/2	157,078	1/2	145,050	1/2	133,022	1/2	120,994	1/2	108,966
3/4		3/4		3/4		3/4		3/4	168,788	3/4	156,827	3/4	144,799	3/4	132,771	3/4	120,743	3/4	108,715
8		8		8		8		8	168,540	8	156,577	8	144,549	8	132,521	8	120,493	8	108,465
1/4		1/4		1/4		1/4		1/4	168,291	1/4	156,326	1/4	144,298	1/4	132,270	1/4	120,242	1/4	108,214
1/2		1/2		1/2		1/2		1/2	168,043	1/2	156,076	1/2	144,048	1/2	132,020	1/2	119,992	1/2	107,964
3/4		3/4		3/4		3/4		3/4	167,795	3/4	155,825	3/4	143,797	3/4	131,769	3/4	119,741	3/4	107,713
9		9		9		9		9	167,547	9	155,574	9	143,546	9	131,519	9	119,491	9	107,463
1/4		1/4		1/4		1/4		1/4	167,298	1/4	155,324	1/4	143,296	1/4	131,268	1/4	119,240	1/4	107,212
1/2		1/2		1/2		1/2		1/2	167,050	1/2	155,073	1/2	143,045	1/2	131,017	1/2	118,989	1/2	106,961
3/4		3/4		3/4		3/4		3/4	166,802	3/4	154,823	3/4	142,795	3/4	130,767	3/4	118,739	3/4	106,711
10		10		10		10		10	166,554	10	154,572	10	142,544	10	130,516	10	118,488	10	106,460
1/4		1/4		1/4		1/4		1/4	166,305	1/4	154,322	1/4	142,294	1/4	130,266	1/4	118,238	1/4	106,210
1/2		1/2		1/2		1/2		1/2	166,057	1/2	154,071	1/2	142,043	1/2	130,015	1/2	117,987	1/2	105,959
3/4		3/4		3/4		3/4		3/4	165,809	3/4	153,820	3/4	141,792	3/4	129,764	3/4	117,736	3/4	105,708
11		11		11		11	176,378	11	165,561	11	153,570	11	141,542	11	129,514	11	117,486	11	105,458
1/4		1/4		1/4		1/4		1/4	176,294	1/4	165,312	1/4	153,319	1/4	141,291	1/4	117,235	1/4	105,207
1/2		1/2		1/2		1/2		1/2	176,211	1/2	165,064	1/2	153,069	1/2	141,041	1/2	116,985	1/2	104,957
3/4		3/4		3/4		3/4		3/4	176,127	3/4	164,816	3/4	152,818	3/4	140,790	3/4	116,734	3/4	104,706

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 145"

## 2 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	104,456	0	92,428	0	80,394	0	68,360	0	56,326	0	44,293	0	32,259	0	20,225	0	8,517	0	
1/4	104,205	1/4	92,177	1/4	80,143	1/4	68,109	1/4	56,076	1/4	44,042	1/4	32,008	1/4	20,015	1/4	8,267	1/4	
1/2	103,954	1/2	91,926	1/2	79,892	1/2	67,859	1/2	55,825	1/2	43,791	1/2	31,757	1/2	19,773	1/2	8,016	1/2	
3/4	103,704	3/4	91,676	3/4	79,642	3/4	67,608	3/4	55,574	3/4	43,540	3/4	31,507	3/4	19,530	3/4	7,766	3/4	
1	103,453	1	91,425	1	79,391	1	67,357	1	55,324	1	43,290	1	31,256	1	19,288	1	7,515	1	
1/4	103,203	1/4	91,174	1/4	79,140	1/4	67,107	1/4	55,073	1/4	43,039	1/4	31,005	1/4	19,045	1/4	7,265	1/4	
1/2	102,952	1/2	90,923	1/2	78,890	1/2	66,856	1/2	54,822	1/2	42,788	1/2	30,755	1/2	18,803	1/2	7,014	1/2	
3/4	102,702	3/4	90,673	3/4	78,639	3/4	66,605	3/4	54,571	3/4	42,538	3/4	30,504	3/4	18,560	3/4	6,764	3/4	
2	102,451	2	90,422	2	78,388	2	66,354	2	54,321	2	42,287	2	30,253	2	18,318	2	6,513	2	
1/4	102,200	1/4	90,171	1/4	78,138	1/4	66,104	1/4	54,070	1/4	42,036	1/4	30,002	1/4	18,075	1/4	6,262	1/4	
1/2	101,950	1/2	89,921	1/2	77,887	1/2	65,853	1/2	53,819	1/2	41,786	1/2	29,752	1/2	17,833	1/2	6,012	1/2	
3/4	101,699	3/4	89,670	3/4	77,636	3/4	65,602	3/4	53,569	3/4	41,535	3/4	29,501	3/4	17,590	3/4	5,761	3/4	
3	101,449	3	89,419	3	77,385	3	65,352	3	53,318	3	41,284	3	29,250	3	17,348	3	5,510	3	
1/4	101,198	1/4	89,168	1/4	77,135	1/4	65,101	1/4	53,067	1/4	41,033	1/4	29,000	1/4	17,105	1/4	5,260	1/4	
1/2	100,947	1/2	88,918	1/2	76,884	1/2	64,850	1/2	52,816	1/2	40,783	1/2	28,749	1/2	16,863	1/2	5,010	1/2	
3/4	100,697	3/4	88,667	3/4	76,633	3/4	64,600	3/4	52,566	3/4	40,532	3/4	28,498	3/4	16,620	3/4	4,759	3/4	
4	100,446	4	88,416	4	76,383	4	64,349	4	52,315	4	40,281	4	28,248	4	16,378	4	4,509	4	
1/4	100,196	1/4	88,166	1/4	76,132	1/4	64,098	1/4	52,064	1/4	40,031	1/4	27,997	1/4	16,135	1/4	4,259	1/4	
1/2	99,945	1/2	87,915	1/2	75,881	1/2	63,847	1/2	51,814	1/2	39,780	1/2	27,746	1/2	15,893	1/2	4,010	1/2	
3/4	99,695	3/4	87,664	3/4	75,630	3/4	63,597	3/4	51,563	3/4	39,529	3/4	27,495	3/4	15,650	3/4	3,760	3/4	
5	99,444	5	87,414	5	75,380	5	63,346	5	51,312	5	39,279	5	27,245	5	15,408	5	3,510	5	
1/4	99,193	1/4	87,163	1/4	75,129	1/4	63,095	1/4	51,062	1/4	39,028	1/4	26,994	1/4	15,165	1/4	3,262	1/4	
1/2	98,943	1/2	86,912	1/2	74,878	1/2	62,845	1/2	50,811	1/2	38,777	1/2	26,743	1/2	14,923	1/2	3,013	1/2	
3/4	98,692	3/4	86,661	3/4	74,628	3/4	62,594	3/4	50,560	3/4	38,526	3/4	26,493	3/4	14,680	3/4	2,764	3/4	
6	98,442	6	86,411	6	74,377	6	62,343	6	50,309	6	38,276	6	26,242	6	14,438	6	2,516	6	
1/4	98,191	1/4	86,160	1/4	74,126	1/4	62,093	1/4	50,059	1/4	38,025	1/4	25,991	1/4	14,195	1/4	2,269	1/4	
1/2	97,940	1/2	85,909	1/2	73,876	1/2	61,842	1/2	49,808	1/2	37,774	1/2	25,741	1/2	13,953	1/2	2,023	1/2	
3/4	97,690	3/4	85,659	3/4	73,625	3/4	61,591	3/4	49,557	3/4	37,524	3/4	25,490	3/4	13,711	3/4	1,776	3/4	
7	97,439	7	85,408	7	73,374	7	61,340	7	49,307	7	37,273	7	25,239	7	13,468	7	1,530	7	
1/4	97,189	1/4	85,157	1/4	73,123	1/4	61,090	1/4	49,056	1/4	37,022	1/4	24,988	1/4	13,225	1/4	1,321	1/4	
1/2	96,938	1/2	84,907	1/2	72,873	1/2	60,839	1/2	48,805	1/2	36,771	1/2	24,738	1/2	12,982	1/2	1,113	1/2	
3/4	96,688	3/4	84,656	3/4	72,622	3/4	60,588	3/4	48,555	3/4	36,521	3/4	24,487	3/4	12,739	3/4	904	3/4	
8	96,437	8	84,405	8	72,371	8	60,338	8	48,304	8	36,270	8	24,236	8	12,496	8	695	8	
1/4	96,186	1/4	84,154	1/4	72,121	1/4	60,087	1/4	48,053	1/4	36,019	1/4	23,986	1/4	12,253	1/4	570	1/4	
1/2	95,936	1/2	83,904	1/2	71,870	1/2	59,836	1/2	47,802	1/2	35,769	1/2	23,735	1/2	12,010	1/2	445	1/2	
3/4	95,685	3/4	83,653	3/4	71,619	3/4	59,585	3/4	47,552	3/4	35,518	3/4	23,484	3/4	11,767	3/4	319	3/4	
9	95,435	9	83,402	9	71,369	9	59,335	9	47,301	9	35,267	9	23,234	9	11,524	9	194	9	
1/4	95,184	1/4	83,152	1/4	71,118	1/4	59,084	1/4	47,050	1/4	35,017	1/4	22,983	1/4	11,274	1/4	152	1/4	
1/2	94,933	1/2	82,901	1/2	70,867	1/2	58,833	1/2	46,800	1/2	34,766	1/2	22,732	1/2	11,023	1/2	111	1/2	
3/4	94,683	3/4	82,650	3/4	70,616	3/4	58,583	3/4	46,549	3/4	34,515	3/4	22,481	3/4	10,772	3/4	69	3/4	
10	94,432	10	82,399	10	70,366	10	58,332	10	46,298	10	34,264	10	22,231	10	10,522	10	27	10	
1/4	94,182	1/4	82,149	1/4	70,115	1/4	58,081	1/4	46,048	1/4	34,014	1/4	21,980	1/4	10,271	1/4		1/4	
1/2	93,931	1/2	81,898	1/2	69,864	1/2	57,831	1/2	45,797	1/2	33,763	1/2	21,729	1/2	10,021	1/2		1/2	
3/4	93,681	3/4	81,647	3/4	69,614	3/4	57,580	3/4	45,546	3/4	33,512	3/4	21,479	3/4	9,770	3/4		3/4	
11	93,430	11	81,397	11	69,363	11	57,329	11	45,295	11	33,262	11	21,228	11	9,520	11		11	
1/4	93,179	1/4	81,146	1/4	69,112	1/4	57,078	1/4	45,045	1/4	33,011	1/4	20,985	1/4	9,269	1/4		1/4	
1/2	92,929	1/2	80,895	1/2	68,862	1/2	56,828	1/2	44,794	1/2	32,760	1/2	20,743	1/2	9,019	1/2		1/2	
3/4	92,678	3/4	80,645	3/4	68,611	3/4	56,577	3/4	44,543	3/4	32,510	3/4	20,500	3/4	8,768	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/08/2021 JS  
CALCULATED: 04/08/2021 CL  
PRINTED: 04/08/2021 SW

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

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2021



# BARGE "DBL 145"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 18'-10"

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	155,513	0	145,392	0	134,809	0	124,203	0	113,596	0	102,989		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	155,371	1/4	145,173	1/4	134,588	1/4	123,982	1/4	113,375	1/4	102,768		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	155,228	1/2	144,954	1/2	134,367	1/2	123,761	1/2	113,154	1/2	102,547		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	155,086	3/4	144,735	3/4	134,146	3/4	123,540	3/4	112,933	3/4	102,326		
1	1	1	1	1	1	1	1	154,943	1	144,516	1	133,925	1	123,319	1	112,712	1	102,105		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	154,737	1/4	144,297	1/4	133,705	1/4	123,098	1/4	112,491	1/4	101,884		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	154,530	1/2	144,078	1/2	133,484	1/2	122,877	1/2	112,270	1/2	101,663		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	154,323	3/4	143,859	3/4	133,263	3/4	122,656	3/4	112,049	3/4	101,442		
2	2	2	2	2	2	2	2	154,116	2	143,640	2	133,042	2	122,435	2	111,828	2	101,221		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	153,900	1/4	143,421	1/4	132,821	1/4	122,214	1/4	111,607	1/4	101,000		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	153,684	1/2	143,202	1/2	132,600	1/2	121,993	1/2	111,386	1/2	100,779		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	153,467	3/4	142,983	3/4	132,379	3/4	121,772	3/4	111,165	3/4	100,558		
3	3	3	3	3	3	3	3	153,251	3	142,764	3	132,158	3	121,551	3	110,944	3	100,337		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	153,035	1/4	142,544	1/4	131,937	1/4	121,330	1/4	110,723	1/4	100,116		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	152,819	1/2	142,323	1/2	131,716	1/2	121,109	1/2	110,502	1/2	99,895		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	152,603	3/4	142,102	3/4	131,495	3/4	120,888	3/4	110,281	3/4	99,674		
4	4	4	4	4	4	4	4	152,387	4	141,881	4	131,274	4	120,667	4	110,060	4	99,453		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	152,171	1/4	141,660	1/4	131,053	1/4	120,446	1/4	109,839	1/4	99,232		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	151,954	1/2	141,439	1/2	130,832	1/2	120,225	1/2	109,618	1/2	99,011		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	151,738	3/4	141,218	3/4	130,611	3/4	120,004	3/4	109,397	3/4	98,790		
5	5	5	5	5	5	5	5	151,522	5	140,997	5	130,390	5	119,783	5	109,176	5	98,570		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	151,303	1/4	140,776	1/4	130,169	1/4	119,562	1/4	108,955	1/4	98,349		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	151,084	1/2	140,555	1/2	129,948	1/2	119,341	1/2	108,734	1/2	98,128		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	150,865	3/4	140,334	3/4	129,727	3/4	119,120	3/4	108,513	3/4	97,907		
6	6	6	6	6	6	6	6	150,646	6	140,113	6	129,506	6	118,899	6	108,292	6	97,686		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	150,427	1/4	139,892	1/4	129,285	1/4	118,678	1/4	108,071	1/4	97,465		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	150,209	1/2	139,671	1/2	129,064	1/2	118,457	1/2	107,850	1/2	97,244		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	149,990	3/4	139,450	3/4	128,843	3/4	118,236	3/4	107,629	3/4	97,023		
7	7	7	7	7	7	7	7	149,771	7	139,229	7	128,622	7	118,015	7	107,409	7	96,802		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	149,552	1/4	139,008	1/4	128,401	1/4	117,794	1/4	107,188	1/4	96,581		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	149,333	1/2	138,787	1/2	128,180	1/2	117,573	1/2	106,967	1/2	96,360		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	149,114	3/4	138,566	3/4	127,959	3/4	117,352	3/4	106,746	3/4	96,139		
8	8	8	8	8	8	8	8	148,895	8	138,345	8	127,738	8	117,131	8	106,525	8	95,918		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	148,676	1/4	138,124	1/4	127,517	1/4	116,910	1/4	106,304	1/4	95,697		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	148,457	1/2	137,903	1/2	127,296	1/2	116,689	1/2	106,083	1/2	95,476		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	148,238	3/4	137,682	3/4	127,075	3/4	116,468	3/4	105,862	3/4	95,255		
9	9	9	9	9	9	9	9	148,019	9	137,461	9	126,854	9	116,248	9	105,641	9	95,034		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	147,800	1/4	137,240	1/4	126,633	1/4	116,027	1/4	105,420	1/4	94,813		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	147,581	1/2	137,019	1/2	126,412	1/2	115,806	1/2	105,199	1/2	94,592		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	147,362	3/4	136,798	3/4	126,191	3/4	115,585	3/4	104,978	3/4	94,371		
10	10	10	10	10	10	10	10	147,143	10	136,577	10	125,970	10	115,364	10	104,757	10	94,150		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	146,924	1/4	136,356	1/4	125,749	1/4	115,143	1/4	104,536	1/4	93,929		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	146,705	1/2	136,135	1/2	125,528	1/2	114,922	1/2	104,315	1/2	93,708		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	146,487	3/4	135,914	3/4	125,307	3/4	114,701	3/4	104,094	3/4	93,487		
11	11	11	11	11	11	11	11	155,808	11	146,268	11	135,693	11	125,087	11	114,480	11	103,873	11	93,266
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	155,734	1/4	146,049	1/4	135,472	1/4	124,866	1/4	114,259	1/4	103,652	1/4	93,045
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	155,661	1/2	145,830	1/2	135,251	1/2	124,645	1/2	114,038	1/2	103,431	1/2	92,824
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	155,587	3/4	145,611	3/4	135,030	3/4	124,424	3/4	113,817	3/4	103,210	3/4	92,603

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'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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# BARGE "DBL 145"

## 3 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	92,382	0	81,775	0	71,164	0	60,552	0	49,940	0	39,328	0	28,716	0	18,108	0	7,515	0	
1/4	92,161	1/4	81,554	1/4	70,942	1/4	60,331	1/4	49,719	1/4	39,107	1/4	28,495	1/4	17,888	1/4	7,294	1/4	
1/2	91,940	1/2	81,333	1/2	70,721	1/2	60,110	1/2	49,498	1/2	38,886	1/2	28,274	1/2	17,667	1/2	7,073	1/2	
3/4	91,719	3/4	81,112	3/4	70,500	3/4	59,888	3/4	49,277	3/4	38,665	3/4	28,053	3/4	17,447	3/4	6,852	3/4	
1	91,498	1	80,891	1	70,279	1	59,667	1	49,055	1	38,444	1	27,832	1	17,226	1	6,631	1	
1/4	91,277	1/4	80,670	1/4	70,058	1/4	59,446	1/4	48,834	1/4	38,223	1/4	27,611	1/4	17,006	1/4	6,410	1/4	
1/2	91,056	1/2	80,449	1/2	69,837	1/2	59,225	1/2	48,613	1/2	38,001	1/2	27,390	1/2	16,785	1/2	6,189	1/2	
3/4	90,835	3/4	80,228	3/4	69,616	3/4	59,004	3/4	48,392	3/4	37,780	3/4	27,168	3/4	16,565	3/4	5,968	3/4	
2	90,614	2	80,007	2	69,395	2	58,783	2	48,171	2	37,559	2	26,947	2	16,344	2	5,747	2	
1/4	90,393	1/4	79,786	1/4	69,174	1/4	58,562	1/4	47,950	1/4	37,338	1/4	26,726	1/4	16,124	1/4	5,526	1/4	
1/2	90,172	1/2	79,565	1/2	68,953	1/2	58,341	1/2	47,729	1/2	37,117	1/2	26,505	1/2	15,903	1/2	5,304	1/2	
3/4	89,951	3/4	79,344	3/4	68,732	3/4	58,120	3/4	47,508	3/4	36,896	3/4	26,284	3/4	15,683	3/4	5,083	3/4	
3	89,731	3	79,122	3	68,511	3	57,899	3	47,287	3	36,675	3	26,063	3	15,463	3	4,862	3	
1/4	89,510	1/4	78,901	1/4	68,289	1/4	57,678	1/4	47,066	1/4	36,454	1/4	25,842	1/4	15,242	1/4	4,642	1/4	
1/2	89,289	1/2	78,680	1/2	68,068	1/2	57,457	1/2	46,845	1/2	36,233	1/2	25,621	1/2	15,022	1/2	4,421	1/2	
3/4	89,068	3/4	78,459	3/4	67,847	3/4	57,235	3/4	46,624	3/4	36,012	3/4	25,400	3/4	14,801	3/4	4,200	3/4	
4	88,847	4	78,238	4	67,626	4	57,014	4	46,403	4	35,791	4	25,179	4	14,581	4	3,979	4	
1/4	88,626	1/4	78,017	1/4	67,405	1/4	56,793	1/4	46,181	1/4	35,570	1/4	24,958	1/4	14,360	1/4	3,759	1/4	
1/2	88,405	1/2	77,796	1/2	67,184	1/2	56,572	1/2	45,960	1/2	35,348	1/2	24,737	1/2	14,140	1/2	3,539	1/2	
3/4	88,184	3/4	77,575	3/4	66,963	3/4	56,351	3/4	45,739	3/4	35,127	3/4	24,516	3/4	13,919	3/4	3,319	3/4	
5	87,963	5	77,354	5	66,742	5	56,130	5	45,518	5	34,906	5	24,294	5	13,699	5	3,098	5	
1/4	87,742	1/4	77,133	1/4	66,521	1/4	55,909	1/4	45,297	1/4	34,685	1/4	24,073	1/4	13,478	1/4	2,879	1/4	
1/2	87,521	1/2	76,912	1/2	66,300	1/2	55,688	1/2	45,076	1/2	34,464	1/2	23,852	1/2	13,258	1/2	2,660	1/2	
3/4	87,300	3/4	76,691	3/4	66,079	3/4	55,467	3/4	44,855	3/4	34,243	3/4	23,631	3/4	13,037	3/4	2,441	3/4	
6	87,079	6	76,469	6	65,858	6	55,246	6	44,634	6	34,022	6	23,410	6	12,817	6	2,222	6	
1/4	86,858	1/4	76,248	1/4	65,637	1/4	55,025	1/4	44,413	1/4	33,801	1/4	23,189	1/4	12,596	1/4	2,004	1/4	
1/2	86,637	1/2	76,027	1/2	65,415	1/2	54,804	1/2	44,192	1/2	33,580	1/2	22,968	1/2	12,376	1/2	1,787	1/2	
3/4	86,416	3/4	75,806	3/4	65,194	3/4	54,582	3/4	43,971	3/4	33,359	3/4	22,747	3/4	12,156	3/4	1,570	3/4	
7	86,195	7	75,585	7	64,973	7	54,361	7	43,750	7	33,138	7	22,526	7	11,935	7	1,352	7	
1/4	85,974	1/4	75,364	1/4	64,752	1/4	54,140	1/4	43,528	1/4	32,917	1/4	22,305	1/4	11,714	1/4	1,168	1/4	
1/2	85,753	1/2	75,143	1/2	64,531	1/2	53,919	1/2	43,307	1/2	32,696	1/2	22,084	1/2	11,494	1/2	984	1/2	
3/4	85,532	3/4	74,922	3/4	64,310	3/4	53,698	3/4	43,086	3/4	32,474	3/4	21,863	3/4	11,273	3/4	800	3/4	
8	85,311	8	74,701	8	64,089	8	53,477	8	42,865	8	32,253	8	21,641	8	11,052	8	616	8	
1/4	85,090	1/4	74,480	1/4	63,868	1/4	53,256	1/4	42,644	1/4	32,032	1/4	21,420	1/4	10,831	1/4	506	1/4	
1/2	84,869	1/2	74,259	1/2	63,647	1/2	53,035	1/2	42,423	1/2	31,811	1/2	21,199	1/2	10,610	1/2	395	1/2	
3/4	84,648	3/4	74,038	3/4	63,426	3/4	52,814	3/4	42,202	3/4	31,590	3/4	20,978	3/4	10,389	3/4	285	3/4	
9	84,427	9	73,817	9	63,205	9	52,593	9	41,981	9	31,369	9	20,757	9	10,168	9	174	9	
1/4	84,206	1/4	73,595	1/4	62,984	1/4	52,372	1/4	41,760	1/4	31,148	1/4	20,536	1/4	9,947	1/4	137	1/4	
1/2	83,985	1/2	73,374	1/2	62,762	1/2	52,151	1/2	41,539	1/2	30,927	1/2	20,315	1/2	9,726	1/2	101	1/2	
3/4	83,764	3/4	73,153	3/4	62,541	3/4	51,930	3/4	41,318	3/4	30,706	3/4	20,094	3/4	9,505	3/4	64	3/4	
10	83,543	10	72,932	10	62,320	10	51,708	10	41,097	10	30,485	10	19,873	10	9,284	10	27	10	
1/4	83,322	1/4	72,711	1/4	62,099	1/4	51,487	1/4	40,875	1/4	30,264	1/4	19,652	1/4	9,063	1/4		1/4	
1/2	83,101	1/2	72,490	1/2	61,878	1/2	51,266	1/2	40,654	1/2	30,043	1/2	19,431	1/2	8,842	1/2		1/2	
3/4	82,880	3/4	72,269	3/4	61,657	3/4	51,045	3/4	40,433	3/4	29,821	3/4	19,211	3/4	8,620	3/4		3/4	
11	82,659	11	72,048	11	61,436	11	50,824	11	40,212	11	29,600	11	18,990	11	8,399	11		11	
1/4	82,438	1/4	71,827	1/4	61,215	1/4	50,603	1/4	39,991	1/4	29,379	1/4	18,770	1/4	8,178	1/4		1/4	
1/2	82,217	1/2	71,606	1/2	60,994	1/2	50,382	1/2	39,770	1/2	29,158	1/2	18,549	1/2	7,957	1/2		1/2	
3/4	81,996	3/4	71,385	3/4	60,773	3/4	50,161	3/4	39,549	3/4	28,937	3/4	18,329	3/4	7,736	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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CALCULATED: 04/08/2021 CL  
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PRECISION MEASUREMENT  
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CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2021