



# BARGE "DBL 148"

## ULLAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

LENGTH BETWEEN DRAFT MARKS: 158'-06"

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"  
 AFT DRAFT = 4'-00"  
 DIFF. = 2'-00" (DOWN BY STERN)

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

December 10, 2021



# BARGE "DBL 148"

## 1 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	151,368	0	142,518	0	133,092	0	123,644	0	114,196	0	104,229		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	151,293	1/4	142,323	1/4	132,896	1/4	123,447	1/4	113,999	1/4	104,005		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	151,176	1/2	142,128	1/2	132,699	1/2	123,250	1/2	113,802	1/2	103,782		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	151,058	3/4	141,933	3/4	132,502	3/4	123,054	3/4	113,605	3/4	103,558		
1	1	1	1	1	1	1	1	150,941	1	141,738	1	132,305	1	122,857	1	113,408	1	103,334		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	150,824	1/4	141,543	1/4	132,108	1/4	122,660	1/4	113,212	1/4	103,110		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	150,641	1/2	141,347	1/2	131,911	1/2	122,463	1/2	113,015	1/2	102,886		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	150,458	3/4	141,152	3/4	131,715	3/4	122,266	3/4	112,818	3/4	102,662		
2	2	2	2	2	2	2	2	150,275	2	140,957	2	131,518	2	122,069	2	112,621	2	102,438		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	150,092	1/4	140,762	1/4	131,321	1/4	121,873	1/4	112,424	1/4	102,214		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	149,900	1/2	140,567	1/2	131,124	1/2	121,676	1/2	112,227	1/2	101,990		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	149,708	3/4	140,372	3/4	130,927	3/4	121,479	3/4	112,031	3/4	101,767		
3	3	3	3	3	3	3	3	149,516	3	140,177	3	130,730	3	121,282	3	111,834	3	101,543		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	149,323	1/4	139,982	1/4	130,533	1/4	121,085	1/4	111,637	1/4	101,319		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	149,131	1/2	139,785	1/2	130,337	1/2	120,888	1/2	111,440	1/2	101,095		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	148,939	3/4	139,588	3/4	130,140	3/4	120,692	3/4	111,243	3/4	100,871		
4	4	4	4	4	4	4	4	148,747	4	139,391	4	129,943	4	120,495	4	111,046	4	100,647		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	148,554	1/4	139,194	1/4	129,746	1/4	120,298	1/4	110,850	1/4	100,423		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	148,362	1/2	138,998	1/2	129,549	1/2	120,101	1/2	110,653	1/2	100,199		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	148,170	3/4	138,801	3/4	129,352	3/4	119,904	3/4	110,456	3/4	99,976		
5	5	5	5	5	5	5	5	147,978	5	138,604	5	129,156	5	119,707	5	110,259	5	99,752		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	147,786	1/4	138,407	1/4	128,959	1/4	119,510	1/4	110,062	1/4	99,528		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	147,590	1/2	138,210	1/2	128,762	1/2	119,314	1/2	109,865	1/2	99,304		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	147,395	3/4	138,013	3/4	128,565	3/4	119,117	3/4	109,669	3/4	99,080		
6	6	6	6	6	6	6	6	147,200	6	137,817	6	128,368	6	118,920	6	109,472	6	98,856		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	147,005	1/4	137,620	1/4	128,171	1/4	118,723	1/4	109,275	1/4	98,632		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	146,810	1/2	137,423	1/2	127,975	1/2	118,526	1/2	109,078	1/2	98,408		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	146,615	3/4	137,226	3/4	127,778	3/4	118,329	3/4	108,881	3/4	98,185		
7	7	7	7	7	7	7	7	146,420	7	137,029	7	127,581	7	118,133	7	108,684	7	97,961		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	146,225	1/4	136,832	1/4	127,384	1/4	117,936	1/4	108,488	1/4	97,737		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	146,030	1/2	136,636	1/2	127,187	1/2	117,739	1/2	108,293	1/2	97,513		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	145,835	3/4	136,439	3/4	126,990	3/4	117,542	3/4	108,099	3/4	97,289		
8	8	8	8	8	8	8	8	145,640	8	136,242	8	126,794	8	117,345	8	107,914	8	97,065		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	145,444	1/4	136,045	1/4	126,597	1/4	117,148	1/4	107,720	1/4	96,841		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	145,249	1/2	135,848	1/2	126,400	1/2	116,952	1/2	107,526	1/2	96,617		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	145,054	3/4	135,651	3/4	126,203	3/4	116,755	3/4	107,333	3/4	96,393		
9	9	9	9	9	9	9	9	144,859	9	135,454	9	126,006	9	116,558	9	107,141	9	96,170		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	144,664	1/4	135,258	1/4	125,809	1/4	116,361	1/4	106,949	1/4	95,946		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	144,469	1/2	135,061	1/2	125,613	1/2	116,164	1/2	106,756	1/2	95,722		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	144,274	3/4	134,864	3/4	125,416	3/4	115,967	3/4	106,564	3/4	95,498		
10	10	10	10	10	10	10	10	144,079	10	134,667	10	125,219	10	115,771	10	106,372	10	95,274		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	143,884	1/4	134,470	1/4	125,022	1/4	115,574	1/4	106,180	1/4	95,050		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	143,689	1/2	134,273	1/2	124,825	1/2	115,377	1/2	105,987	1/2	94,826		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	151,630	3/4	143,493	3/4	134,077	3/4	124,628	3/4	115,180	3/4	105,349	3/4	94,602
11	11	11	11	11	11	11	11	143,298	11	133,880	11	124,431	11	114,983	11	105,125	11	94,379		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	151,593	1/4	143,103	1/4	133,683	1/4	124,235	1/4	114,786	1/4	104,901	1/4	94,155
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	151,518	1/2	142,908	1/2	133,486	1/2	124,038	1/2	114,590	1/2	104,677	1/2	93,931
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	151,443	3/4	142,713	3/4	133,289	3/4	123,841	3/4	114,393	3/4	104,453	3/4	93,707

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  
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# BARGE "DBL 148"

## 1 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	93,483	0	82,737	0	71,986	0	61,235	0	50,485	0	39,845	0	29,099	0	18,371	0	7,845	0	
1/4	93,259	1/4	82,513	1/4	71,762	1/4	61,012	1/4	50,261	1/4	39,622	1/4	28,876	1/4	18,153	1/4	7,621	1/4	
1/2	93,035	1/2	82,289	1/2	71,538	1/2	60,788	1/2	50,038	1/2	39,398	1/2	28,652	1/2	17,936	1/2	7,398	1/2	
3/4	92,811	3/4	82,065	3/4	71,314	3/4	60,564	3/4	49,816	3/4	39,174	3/4	28,428	3/4	17,718	3/4	7,174	3/4	
1	92,587	1	81,841	1	71,090	1	60,340	1	49,594	1	38,950	1	28,204	1	17,500	1	6,950	1	
1/4	92,364	1/4	81,617	1/4	70,866	1/4	60,116	1/4	49,371	1/4	38,726	1/4	27,980	1/4	17,282	1/4	6,726	1/4	
1/2	92,140	1/2	81,393	1/2	70,642	1/2	59,892	1/2	49,149	1/2	38,502	1/2	27,756	1/2	17,064	1/2	6,502	1/2	
3/4	91,916	3/4	81,169	3/4	70,418	3/4	59,668	3/4	48,926	3/4	38,278	3/4	27,532	3/4	16,846	3/4	6,278	3/4	
2	91,692	2	80,945	2	70,194	2	59,444	2	48,704	2	38,054	2	27,308	2	16,628	2	6,054	2	
1/4	91,468	1/4	80,721	1/4	69,970	1/4	59,220	1/4	48,482	1/4	37,831	1/4	27,085	1/4	16,410	1/4	5,830	1/4	
1/2	91,244	1/2	80,497	1/2	69,746	1/2	58,996	1/2	48,261	1/2	37,607	1/2	26,861	1/2	16,192	1/2	5,606	1/2	
3/4	91,020	3/4	80,273	3/4	69,522	3/4	58,772	3/4	48,040	3/4	37,383	3/4	26,637	3/4	15,974	3/4	5,382	3/4	
3	90,796	3	80,049	3	69,298	3	58,548	3	47,819	3	37,159	3	26,413	3	15,756	3	5,158	3	
1/4	90,573	1/4	79,825	1/4	69,075	1/4	58,324	1/4	47,598	1/4	36,935	1/4	26,189	1/4	15,538	1/4	4,934	1/4	
1/2	90,349	1/2	79,601	1/2	68,851	1/2	58,100	1/2	47,377	1/2	36,711	1/2	25,965	1/2	15,320	1/2	4,711	1/2	
3/4	90,125	3/4	79,377	3/4	68,627	3/4	57,876	3/4	47,156	3/4	36,487	3/4	25,741	3/4	15,103	3/4	4,487	3/4	
4	89,901	4	79,153	4	68,403	4	57,652	4	46,935	4	36,263	4	25,517	4	14,885	4	4,263	4	
1/4	89,677	1/4	78,929	1/4	68,179	1/4	57,428	1/4	46,714	1/4	36,040	1/4	25,294	1/4	14,667	1/4	4,039	1/4	
1/2	89,453	1/2	78,705	1/2	67,955	1/2	57,204	1/2	46,493	1/2	35,816	1/2	25,070	1/2	14,449	1/2	3,816	1/2	
3/4	89,229	3/4	78,481	3/4	67,731	3/4	56,980	3/4	46,273	3/4	35,592	3/4	24,846	3/4	14,231	3/4	3,593	3/4	
5	89,005	5	78,257	5	67,507	5	56,756	5	46,052	5	35,368	5	24,622	5	14,013	5	3,370	5	
1/4	88,782	1/4	78,033	1/4	67,283	1/4	56,532	1/4	45,831	1/4	35,144	1/4	24,398	1/4	13,795	1/4	3,147	1/4	
1/2	88,558	1/2	77,809	1/2	67,059	1/2	56,308	1/2	45,610	1/2	34,920	1/2	24,174	1/2	13,577	1/2	2,924	1/2	
3/4	88,334	3/4	77,585	3/4	66,835	3/4	56,084	3/4	45,389	3/4	34,696	3/4	23,950	3/4	13,359	3/4	2,702	3/4	
6	88,110	6	77,361	6	66,611	6	55,860	6	45,168	6	34,472	6	23,727	6	13,141	6	2,479	6	
1/4	87,886	1/4	77,138	1/4	66,387	1/4	55,636	1/4	44,947	1/4	34,249	1/4	23,503	1/4	12,923	1/4	2,256	1/4	
1/2	87,662	1/2	76,914	1/2	66,163	1/2	55,412	1/2	44,726	1/2	34,025	1/2	23,279	1/2	12,705	1/2	2,036	1/2	
3/4	87,438	3/4	76,690	3/4	65,939	3/4	55,188	3/4	44,505	3/4	33,801	3/4	23,055	3/4	12,488	3/4	1,815	3/4	
7	87,214	7	76,466	7	65,715	7	54,964	7	44,284	7	33,577	7	22,831	7	12,270	7	1,594	7	
1/4	86,990	1/4	76,242	1/4	65,491	1/4	54,740	1/4	44,063	1/4	33,353	1/4	22,607	1/4	12,052	1/4	1,373	1/4	
1/2	86,767	1/2	76,018	1/2	65,267	1/2	54,516	1/2	43,843	1/2	33,129	1/2	22,383	1/2	11,834	1/2	1,187	1/2	
3/4	86,543	3/4	75,794	3/4	65,043	3/4	54,292	3/4	43,622	3/4	32,905	3/4	22,159	3/4	11,616	3/4	1,000	3/4	
8	86,319	8	75,570	8	64,819	8	54,068	8	43,401	8	32,681	8	21,936	8	11,398	8	813	8	
1/4	86,095	1/4	75,346	1/4	64,595	1/4	53,844	1/4	43,180	1/4	32,458	1/4	21,712	1/4	11,180	1/4	626	1/4	
1/2	85,871	1/2	75,122	1/2	64,371	1/2	53,620	1/2	42,959	1/2	32,234	1/2	21,488	1/2	10,962	1/2	514	1/2	
3/4	85,647	3/4	74,898	3/4	64,147	3/4	53,396	3/4	42,738	3/4	32,010	3/4	21,264	3/4	10,744	3/4	402	3/4	
9	85,423	9	74,674	9	63,923	9	53,172	9	42,517	9	31,786	9	21,040	9	10,526	9	289	9	
1/4	85,199	1/4	74,450	1/4	63,699	1/4	52,949	1/4	42,296	1/4	31,562	1/4	20,816	1/4	10,308	1/4	177	1/4	
1/2	84,976	1/2	74,226	1/2	63,475	1/2	52,725	1/2	42,075	1/2	31,338	1/2	20,592	1/2	10,084	1/2	140	1/2	
3/4	84,752	3/4	74,002	3/4	63,251	3/4	52,501	3/4	41,854	3/4	31,114	3/4	20,368	3/4	9,860	3/4	102	3/4	
10	84,528	10	73,778	10	63,027	10	52,277	10	41,633	10	30,890	10	20,145	10	9,636	10	65	10	
1/4	84,304	1/4	73,554	1/4	62,803	1/4	52,053	1/4	41,413	1/4	30,667	1/4	19,921	1/4	9,413	1/4	27	1/4	
1/2	84,080	1/2	73,330	1/2	62,579	1/2	51,829	1/2	41,189	1/2	30,443	1/2	19,697	1/2	9,189	1/2		1/2	
3/4	83,856	3/4	73,106	3/4	62,355	3/4	51,605	3/4	40,965	3/4	30,219	3/4	19,473	3/4	8,965	3/4		3/4	
11	83,632	11	72,882	11	62,131	11	51,381	11	40,741	11	29,995	11	19,249	11	8,741	11		11	
1/4	83,408	1/4	72,658	1/4	61,907	1/4	51,157	1/4	40,517	1/4	29,771	1/4	19,025	1/4	8,517	1/4		1/4	
1/2	83,184	1/2	72,434	1/2	61,683	1/2	50,933	1/2	40,293	1/2	29,547	1/2	18,807	1/2	8,293	1/2		1/2	
3/4	82,961	3/4	72,210	3/4	61,459	3/4	50,709	3/4	40,069	3/4	29,323	3/4	18,589	3/4	8,069	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/10/2021 JS  
CALCULATED: 12/11/2021 CL  
PRINTED: 12/13/2021 SW

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<http://www.pmacorp.net>

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2021



# BARGE "DBL 148"

## 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	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0		0	176,516	0	165,179	0	153,155	0	141,101	0	129,046	0	116,992
1/4		1/4		1/4		1/4		1/4	176,432	1/4	164,931	1/4	152,904	1/4	140,849	1/4	128,795	1/4	116,740
1/2		1/2		1/2		1/2		1/2	176,270	1/2	164,682	1/2	152,653	1/2	140,598	1/2	128,544	1/2	116,489
3/4		3/4		3/4		3/4		3/4	176,108	3/4	164,433	3/4	152,402	3/4	140,347	3/4	128,293	3/4	116,238
1		1		1		1		1	175,947	1	164,184	1	152,151	1	140,096	1	128,042	1	115,987
1/4		1/4		1/4		1/4		1/4	175,785	1/4	163,935	1/4	151,899	1/4	139,845	1/4	127,790	1/4	115,736
1/2		1/2		1/2		1/2		1/2	175,550	1/2	163,687	1/2	151,648	1/2	139,594	1/2	127,539	1/2	115,485
3/4		3/4		3/4		3/4		3/4	175,314	3/4	163,438	3/4	151,397	3/4	139,343	3/4	127,288	3/4	115,234
2		2		2		2		2	175,079	2	163,189	2	151,146	2	139,092	2	127,037	2	114,982
1/4		1/4		1/4		1/4		1/4	174,844	1/4	162,940	1/4	150,895	1/4	138,840	1/4	126,786	1/4	114,731
1/2		1/2		1/2		1/2		1/2	174,599	1/2	162,691	1/2	150,644	1/2	138,589	1/2	126,535	1/2	114,480
3/4		3/4		3/4		3/4		3/4	174,353	3/4	162,442	3/4	150,393	3/4	138,338	3/4	126,284	3/4	114,229
3		3		3		3		3	174,107	3	162,194	3	150,141	3	138,087	3	126,032	3	113,978
1/4		1/4		1/4		1/4		1/4	173,862	1/4	161,945	1/4	149,890	1/4	137,836	1/4	125,781	1/4	113,727
1/2		1/2		1/2		1/2		1/2	173,616	1/2	161,694	1/2	149,639	1/2	137,585	1/2	125,530	1/2	113,476
3/4		3/4		3/4		3/4		3/4	173,371	3/4	161,443	3/4	149,388	3/4	137,334	3/4	125,279	3/4	113,224
4		4		4		4		4	173,125	4	161,191	4	149,137	4	137,082	4	125,028	4	112,973
1/4		1/4		1/4		1/4		1/4	172,879	1/4	160,940	1/4	148,886	1/4	136,831	1/4	124,777	1/4	112,722
1/2		1/2		1/2		1/2		1/2	172,634	1/2	160,689	1/2	148,635	1/2	136,580	1/2	124,526	1/2	112,471
3/4		3/4		3/4		3/4		3/4	172,388	3/4	160,438	3/4	148,384	3/4	136,329	3/4	124,274	3/4	112,220
5		5		5		5		5	172,143	5	160,187	5	148,132	5	136,078	5	124,023	5	111,969
1/4		1/4		1/4		1/4		1/4	171,897	1/4	159,936	1/4	147,881	1/4	135,827	1/4	123,772	1/4	111,718
1/2		1/2		1/2		1/2		1/2	171,648	1/2	159,685	1/2	147,630	1/2	135,576	1/2	123,521	1/2	111,467
3/4		3/4		3/4		3/4		3/4	171,399	3/4	159,434	3/4	147,379	3/4	135,324	3/4	123,270	3/4	111,215
6		6		6		6		6	171,151	6	159,182	6	147,128	6	135,073	6	123,019	6	110,964
1/4		1/4		1/4		1/4		1/4	170,902	1/4	158,931	1/4	146,877	1/4	134,822	1/4	122,768	1/4	110,713
1/2		1/2		1/2		1/2		1/2	170,653	1/2	158,680	1/2	146,626	1/2	134,571	1/2	122,517	1/2	110,462
3/4		3/4		3/4		3/4		3/4	170,404	3/4	158,429	3/4	146,374	3/4	134,320	3/4	122,265	3/4	110,211
7		7		7		7		7	170,155	7	158,178	7	146,123	7	134,069	7	122,014	7	109,960
1/4		1/4		1/4		1/4		1/4	169,907	1/4	157,927	1/4	145,872	1/4	133,818	1/4	121,763	1/4	109,709
1/2		1/2		1/2		1/2		1/2	169,658	1/2	157,676	1/2	145,621	1/2	133,567	1/2	121,512	1/2	109,457
3/4		3/4		3/4		3/4		3/4	169,409	3/4	157,424	3/4	145,370	3/4	133,315	3/4	121,261	3/4	109,206
8		8		8		8		8	169,160	8	157,173	8	145,119	8	133,064	8	121,010	8	108,955
1/4		1/4		1/4		1/4		1/4	168,911	1/4	156,922	1/4	144,868	1/4	132,813	1/4	120,759	1/4	108,704
1/2		1/2		1/2		1/2		1/2	168,663	1/2	156,671	1/2	144,616	1/2	132,562	1/2	120,507	1/2	108,453
3/4		3/4		3/4		3/4		3/4	168,414	3/4	156,420	3/4	144,365	3/4	132,311	3/4	120,256	3/4	108,202
9		9		9		9		9	168,165	9	156,169	9	144,114	9	132,060	9	120,005	9	107,951
1/4		1/4		1/4		1/4		1/4	167,916	1/4	155,918	1/4	143,863	1/4	131,809	1/4	119,754	1/4	107,700
1/2		1/2		1/2		1/2		1/2	167,667	1/2	155,666	1/2	143,612	1/2	131,557	1/2	119,503	1/2	107,448
3/4		3/4		3/4		3/4		3/4	167,419	3/4	155,415	3/4	143,361	3/4	131,306	3/4	119,252	3/4	107,197
10		10		10		10		10	167,170	10	155,164	10	143,110	10	131,055	10	119,001	10	106,946
1/4		1/4		1/4		1/4		1/4	166,921	1/4	154,913	1/4	142,859	1/4	130,804	1/4	118,749	1/4	106,695
1/2		1/2		1/2		1/2		1/2	166,672	1/2	154,662	1/2	142,607	1/2	130,553	1/2	118,498	1/2	106,444
3/4		3/4		3/4		3/4		3/4	176,809	3/4	166,423	3/4	154,411	3/4	142,356	3/4	130,302	3/4	118,247
11		11		11		11		11	176,788	11	166,175	11	154,160	11	142,105	11	130,051	11	117,996
1/4		1/4		1/4		1/4		1/4	176,767	1/4	165,926	1/4	153,909	1/4	141,854	1/4	129,799	1/4	117,745
1/2		1/2		1/2		1/2		1/2	176,683	1/2	165,677	1/2	153,657	1/2	141,603	1/2	129,548	1/2	117,494
3/4		3/4		3/4		3/4		3/4	176,600	3/4	165,428	3/4	153,406	3/4	141,352	3/4	129,297	3/4	117,243

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 148"

## 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	104,937	0	92,882	0	80,822	0	68,762	0	56,702	0	44,641	0	32,581	0	20,545	0	8,787	0	
1/4	104,686	1/4	92,631	1/4	80,571	1/4	68,511	1/4	56,450	1/4	44,390	1/4	32,330	1/4	20,302	1/4	8,536	1/4	
1/2	104,435	1/2	92,380	1/2	80,320	1/2	68,259	1/2	56,199	1/2	44,139	1/2	32,078	1/2	20,059	1/2	8,285	1/2	
3/4	104,184	3/4	92,129	3/4	80,068	3/4	68,008	3/4	55,948	3/4	43,888	3/4	31,827	3/4	19,816	3/4	8,034	3/4	
1	103,932	1	91,878	1	79,817	1	67,757	1	55,697	1	43,636	1	31,576	1	19,573	1	7,783	1	
1/4	103,681	1/4	91,626	1/4	79,566	1/4	67,506	1/4	55,445	1/4	43,385	1/4	31,325	1/4	19,330	1/4	7,531	1/4	
1/2	103,430	1/2	91,375	1/2	79,315	1/2	67,254	1/2	55,194	1/2	43,134	1/2	31,073	1/2	19,087	1/2	7,280	1/2	
3/4	103,179	3/4	91,124	3/4	79,063	3/4	67,003	3/4	54,943	3/4	42,882	3/4	30,822	3/4	18,844	3/4	7,029	3/4	
2	102,928	2	90,873	2	78,812	2	66,752	2	54,692	2	42,631	2	30,571	2	18,601	2	6,778	2	
1/4	102,677	1/4	90,621	1/4	78,561	1/4	66,501	1/4	54,440	1/4	42,380	1/4	30,320	1/4	18,358	1/4	6,527	1/4	
1/2	102,426	1/2	90,370	1/2	78,310	1/2	66,249	1/2	54,189	1/2	42,129	1/2	30,068	1/2	18,115	1/2	6,276	1/2	
3/4	102,175	3/4	90,119	3/4	78,058	3/4	65,998	3/4	53,938	3/4	41,877	3/4	29,817	3/4	17,872	3/4	6,025	3/4	
3	101,923	3	89,868	3	77,807	3	65,747	3	53,687	3	41,626	3	29,566	3	17,629	3	5,773	3	
1/4	101,672	1/4	89,616	1/4	77,556	1/4	65,496	1/4	53,435	1/4	41,375	1/4	29,315	1/4	17,386	1/4	5,522	1/4	
1/2	101,421	1/2	89,365	1/2	77,305	1/2	65,244	1/2	53,184	1/2	41,124	1/2	29,063	1/2	17,143	1/2	5,271	1/2	
3/4	101,170	3/4	89,114	3/4	77,053	3/4	64,993	3/4	52,933	3/4	40,872	3/4	28,812	3/4	16,900	3/4	5,020	3/4	
4	100,919	4	88,862	4	76,802	4	64,742	4	52,681	4	40,621	4	28,561	4	16,657	4	4,769	4	
1/4	100,668	1/4	88,611	1/4	76,551	1/4	64,491	1/4	52,430	1/4	40,370	1/4	28,310	1/4	16,414	1/4	4,519	1/4	
1/2	100,417	1/2	88,360	1/2	76,300	1/2	64,239	1/2	52,179	1/2	40,119	1/2	28,058	1/2	16,170	1/2	4,268	1/2	
3/4	100,165	3/4	88,109	3/4	76,048	3/4	63,988	3/4	51,928	3/4	39,867	3/4	27,807	3/4	15,927	3/4	4,018	3/4	
5	99,914	5	87,857	5	75,797	5	63,737	5	51,676	5	39,616	5	27,556	5	15,684	5	3,768	5	
1/4	99,663	1/4	87,606	1/4	75,546	1/4	63,486	1/4	51,425	1/4	39,365	1/4	27,305	1/4	15,441	1/4	3,517	1/4	
1/2	99,412	1/2	87,355	1/2	75,295	1/2	63,234	1/2	51,174	1/2	39,114	1/2	27,053	1/2	15,198	1/2	3,268	1/2	
3/4	99,161	3/4	87,104	3/4	75,043	3/4	62,983	3/4	50,923	3/4	38,862	3/4	26,802	3/4	14,955	3/4	3,019	3/4	
6	98,910	6	86,852	6	74,792	6	62,732	6	50,671	6	38,611	6	26,551	6	14,712	6	2,770	6	
1/4	98,659	1/4	86,601	1/4	74,541	1/4	62,481	1/4	50,420	1/4	38,360	1/4	26,300	1/4	14,469	1/4	2,521	1/4	
1/2	98,407	1/2	86,350	1/2	74,290	1/2	62,229	1/2	50,169	1/2	38,109	1/2	26,048	1/2	14,226	1/2	2,274	1/2	
3/4	98,156	3/4	86,099	3/4	74,038	3/4	61,978	3/4	49,918	3/4	37,857	3/4	25,797	3/4	13,983	3/4	2,027	3/4	
7	97,905	7	85,847	7	73,787	7	61,727	7	49,666	7	37,606	7	25,546	7	13,741	7	1,780	7	
1/4	97,654	1/4	85,596	1/4	73,536	1/4	61,475	1/4	49,415	1/4	37,355	1/4	25,294	1/4	13,498	1/4	1,533	1/4	
1/2	97,403	1/2	85,345	1/2	73,285	1/2	61,224	1/2	49,164	1/2	37,104	1/2	25,043	1/2	13,254	1/2	1,324	1/2	
3/4	97,152	3/4	85,094	3/4	73,033	3/4	60,973	3/4	48,913	3/4	36,852	3/4	24,792	3/4	13,010	3/4	1,115	3/4	
8	96,901	8	84,842	8	72,782	8	60,722	8	48,661	8	36,601	8	24,541	8	12,767	8	906	8	
1/4	96,650	1/4	84,591	1/4	72,531	1/4	60,470	1/4	48,410	1/4	36,350	1/4	24,289	1/4	12,523	1/4	697	1/4	
1/2	96,398	1/2	84,340	1/2	72,280	1/2	60,219	1/2	48,159	1/2	36,099	1/2	24,038	1/2	12,280	1/2	571	1/2	
3/4	96,147	3/4	84,089	3/4	72,028	3/4	59,968	3/4	47,908	3/4	35,847	3/4	23,787	3/4	12,036	3/4	445	3/4	
9	95,896	9	83,837	9	71,777	9	59,717	9	47,656	9	35,596	9	23,536	9	11,793	9	320	9	
1/4	95,645	1/4	83,586	1/4	71,526	1/4	59,465	1/4	47,405	1/4	35,345	1/4	23,284	1/4	11,549	1/4	194	1/4	
1/2	95,394	1/2	83,335	1/2	71,275	1/2	59,214	1/2	47,154	1/2	35,094	1/2	23,033	1/2	11,298	1/2	152	1/2	
3/4	95,143	3/4	83,084	3/4	71,023	3/4	58,963	3/4	46,903	3/4	34,842	3/4	22,782	3/4	11,047	3/4	111	3/4	
10	94,892	10	82,832	10	70,772	10	58,712	10	46,651	10	34,591	10	22,531	10	10,796	10	69	10	
1/4	94,640	1/4	82,581	1/4	70,521	1/4	58,460	1/4	46,400	1/4	34,340	1/4	22,279	1/4	10,545	1/4	27	1/4	
1/2	94,389	1/2	82,330	1/2	70,269	1/2	58,209	1/2	46,149	1/2	34,088	1/2	22,028	1/2	10,294	1/2		1/2	
3/4	94,138	3/4	82,079	3/4	70,018	3/4	57,958	3/4	45,898	3/4	33,837	3/4	21,777	3/4	10,042	3/4		3/4	
11	93,887	11	81,827	11	69,767	11	57,707	11	45,646	11	33,586	11	21,526	11	9,791	11		11	
1/4	93,636	1/4	81,576	1/4	69,516	1/4	57,455	1/4	45,395	1/4	33,335	1/4	21,274	1/4	9,540	1/4		1/4	
1/2	93,385	1/2	81,325	1/2	69,264	1/2	57,204	1/2	45,144	1/2	33,083	1/2	21,031	1/2	9,289	1/2		1/2	
3/4	93,134	3/4	81,074	3/4	69,013	3/4	56,953	3/4	44,893	3/4	32,832	3/4	20,788	3/4	9,038	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/10/2021 JS  
CALCULATED: 12/11/2021 CL  
PRINTED: 12/13/2021 SW

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

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2021



# BARGE "DBL 148"

## 3 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	155,524	0	145,552	0	134,976	0	124,373	0	113,771	0	103,168		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	155,450	1/4	145,333	1/4	134,755	1/4	124,152	1/4	113,550	1/4	102,947		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	155,308	1/2	145,114	1/2	134,534	1/2	123,932	1/2	113,329	1/2	102,727		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	155,166	3/4	144,895	3/4	134,313	3/4	123,711	3/4	113,108	3/4	102,506		
1	1	1	1	1	1	1	1	155,023	1	144,677	1	134,092	1	123,490	1	112,887	1	102,285		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	154,881	1/4	144,458	1/4	133,871	1/4	123,269	1/4	112,666	1/4	102,064		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	154,674	1/2	144,239	1/2	133,651	1/2	123,048	1/2	112,445	1/2	101,843		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	154,467	3/4	144,020	3/4	133,430	3/4	122,827	3/4	112,225	3/4	101,622		
2	2	2	2	2	2	2	2	154,260	2	143,801	2	133,209	2	122,606	2	112,004	2	101,401		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	154,054	1/4	143,582	1/4	132,988	1/4	122,385	1/4	111,783	1/4	101,180		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	153,838	1/2	143,363	1/2	132,767	1/2	122,164	1/2	111,562	1/2	100,959		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	153,622	3/4	143,145	3/4	132,546	3/4	121,944	3/4	111,341	3/4	100,739		
3	3	3	3	3	3	3	3	153,406	3	142,926	3	132,325	3	121,723	3	111,120	3	100,518		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	153,189	1/4	142,707	1/4	132,104	1/4	121,502	1/4	110,899	1/4	100,297		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	152,973	1/2	142,486	1/2	131,883	1/2	121,281	1/2	110,678	1/2	100,076		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	152,757	3/4	142,265	3/4	131,663	3/4	121,060	3/4	110,458	3/4	99,855		
4	4	4	4	4	4	4	4	152,541	4	142,044	4	131,442	4	120,839	4	110,237	4	99,634		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	152,325	1/4	141,823	1/4	131,221	1/4	120,618	1/4	110,016	1/4	99,413		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	152,109	1/2	141,602	1/2	131,000	1/2	120,397	1/2	109,795	1/2	99,192		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	151,893	3/4	141,382	3/4	130,779	3/4	120,177	3/4	109,574	3/4	98,971		
5	5	5	5	5	5	5	5	151,677	5	141,161	5	130,558	5	119,956	5	109,353	5	98,751		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	151,461	1/4	140,940	1/4	130,337	1/4	119,735	1/4	109,132	1/4	98,530		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	151,242	1/2	140,719	1/2	130,116	1/2	119,514	1/2	108,911	1/2	98,309		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	151,023	3/4	140,498	3/4	129,895	3/4	119,293	3/4	108,690	3/4	98,088		
6	6	6	6	6	6	6	6	150,805	6	140,277	6	129,675	6	119,072	6	108,470	6	97,867		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	150,586	1/4	140,056	1/4	129,454	1/4	118,851	1/4	108,249	1/4	97,646		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	150,367	1/2	139,835	1/2	129,233	1/2	118,630	1/2	108,028	1/2	97,425		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	150,148	3/4	139,614	3/4	129,012	3/4	118,409	3/4	107,807	3/4	97,204		
7	7	7	7	7	7	7	7	149,929	7	139,394	7	128,791	7	118,189	7	107,586	7	96,983		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	149,710	1/4	139,173	1/4	128,570	1/4	117,968	1/4	107,365	1/4	96,763		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	149,491	1/2	138,952	1/2	128,349	1/2	117,747	1/2	107,144	1/2	96,542		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	149,273	3/4	138,731	3/4	128,128	3/4	117,526	3/4	106,923	3/4	96,321		
8	8	8	8	8	8	8	8	149,054	8	138,510	8	127,908	8	117,305	8	106,702	8	96,100		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	148,835	1/4	138,289	1/4	127,687	1/4	117,084	1/4	106,482	1/4	95,879		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	148,616	1/2	138,068	1/2	127,466	1/2	116,863	1/2	106,261	1/2	95,658		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	148,397	3/4	137,847	3/4	127,245	3/4	116,642	3/4	106,040	3/4	95,437		
9	9	9	9	9	9	9	9	148,178	9	137,626	9	127,024	9	116,421	9	105,819	9	95,216		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	147,959	1/4	137,406	1/4	126,803	1/4	116,201	1/4	105,598	1/4	94,995		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	147,741	1/2	137,185	1/2	126,582	1/2	115,980	1/2	105,377	1/2	94,775		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	147,522	3/4	136,964	3/4	126,361	3/4	115,759	3/4	105,156	3/4	94,554		
10	10	10	10	10	10	10	10	147,303	10	136,743	10	126,140	10	115,538	10	104,935	10	94,333		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	147,084	1/4	136,522	1/4	125,920	1/4	115,317	1/4	104,714	1/4	94,112		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	146,865	1/2	136,301	1/2	125,699	1/2	115,096	1/2	104,494	1/2	93,891		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	155,782	3/4	146,646	3/4	136,080	3/4	125,478	3/4	114,875	3/4	104,273	3/4	93,670
11	11	11	11	11	11	11	11	155,764	11	146,427	11	135,859	11	125,257	11	114,654	11	104,052	11	93,449
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	155,745	1/4	146,209	1/4	135,639	1/4	125,036	1/4	114,433	1/4	103,831	1/4	93,228
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	155,671	1/2	145,990	1/2	135,418	1/2	124,815	1/2	114,213	1/2	103,610	1/2	93,008
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	155,598	3/4	145,771	3/4	135,197	3/4	124,594	3/4	113,992	3/4	103,389	3/4	92,787

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.  
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 Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "DBL 148"

## 3 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	92,566	0	81,963	0	71,356	0	60,748	0	50,141	0	39,533	0	28,925	0	18,321	0	7,733	0	
1/4	92,345	1/4	81,742	1/4	71,135	1/4	60,527	1/4	49,920	1/4	39,312	1/4	28,704	1/4	18,101	1/4	7,512	1/4	
1/2	92,124	1/2	81,521	1/2	70,914	1/2	60,306	1/2	49,699	1/2	39,091	1/2	28,483	1/2	17,880	1/2	7,291	1/2	
3/4	91,903	3/4	81,300	3/4	70,693	3/4	60,085	3/4	49,478	3/4	38,870	3/4	28,262	3/4	17,660	3/4	7,070	3/4	
1	91,682	1	81,079	1	70,472	1	59,864	1	49,257	1	38,649	1	28,041	1	17,440	1	6,849	1	
1/4	91,461	1/4	80,858	1/4	70,251	1/4	59,643	1/4	49,036	1/4	38,428	1/4	27,820	1/4	17,219	1/4	6,628	1/4	
1/2	91,240	1/2	80,637	1/2	70,030	1/2	59,422	1/2	48,815	1/2	38,207	1/2	27,599	1/2	16,999	1/2	6,407	1/2	
3/4	91,020	3/4	80,416	3/4	69,809	3/4	59,201	3/4	48,594	3/4	37,986	3/4	27,378	3/4	16,778	3/4	6,186	3/4	
2	90,799	2	80,195	2	69,588	2	58,980	2	48,373	2	37,765	2	27,157	2	16,558	2	5,965	2	
1/4	90,578	1/4	79,974	1/4	69,367	1/4	58,759	1/4	48,152	1/4	37,544	1/4	26,936	1/4	16,338	1/4	5,744	1/4	
1/2	90,357	1/2	79,753	1/2	69,146	1/2	58,538	1/2	47,931	1/2	37,323	1/2	26,715	1/2	16,117	1/2	5,523	1/2	
3/4	90,136	3/4	79,532	3/4	68,925	3/4	58,317	3/4	47,710	3/4	37,102	3/4	26,494	3/4	15,897	3/4	5,302	3/4	
3	89,915	3	79,311	3	68,704	3	58,096	3	47,489	3	36,881	3	26,273	3	15,676	3	5,081	3	
1/4	89,694	1/4	79,090	1/4	68,483	1/4	57,875	1/4	47,268	1/4	36,660	1/4	26,052	1/4	15,456	1/4	4,860	1/4	
1/2	89,473	1/2	78,869	1/2	68,262	1/2	57,654	1/2	47,047	1/2	36,439	1/2	25,831	1/2	15,236	1/2	4,640	1/2	
3/4	89,252	3/4	78,648	3/4	68,041	3/4	57,433	3/4	46,826	3/4	36,218	3/4	25,610	3/4	15,015	3/4	4,419	3/4	
4	89,032	4	78,427	4	67,820	4	57,212	4	46,605	4	35,997	4	25,389	4	14,795	4	4,198	4	
1/4	88,811	1/4	78,206	1/4	67,599	1/4	56,991	1/4	46,384	1/4	35,776	1/4	25,168	1/4	14,575	1/4	3,977	1/4	
1/2	88,590	1/2	77,985	1/2	67,378	1/2	56,770	1/2	46,163	1/2	35,555	1/2	24,947	1/2	14,354	1/2	3,757	1/2	
3/4	88,369	3/4	77,764	3/4	67,157	3/4	56,549	3/4	45,942	3/4	35,334	3/4	24,726	3/4	14,134	3/4	3,537	3/4	
5	88,148	5	77,543	5	66,936	5	56,328	5	45,721	5	35,113	5	24,505	5	13,913	5	3,317	5	
1/4	87,927	1/4	77,323	1/4	66,715	1/4	56,107	1/4	45,500	1/4	34,892	1/4	24,284	1/4	13,693	1/4	3,097	1/4	
1/2	87,706	1/2	77,102	1/2	66,494	1/2	55,886	1/2	45,279	1/2	34,671	1/2	24,063	1/2	13,473	1/2	2,878	1/2	
3/4	87,485	3/4	76,881	3/4	66,273	3/4	55,665	3/4	45,058	3/4	34,450	3/4	23,842	3/4	13,252	3/4	2,659	3/4	
6	87,264	6	76,660	6	66,052	6	55,444	6	44,837	6	34,229	6	23,621	6	13,032	6	2,440	6	
1/4	87,044	1/4	76,439	1/4	65,831	1/4	55,223	1/4	44,616	1/4	34,008	1/4	23,401	1/4	12,812	1/4	2,221	1/4	
1/2	86,823	1/2	76,218	1/2	65,610	1/2	55,002	1/2	44,395	1/2	33,787	1/2	23,180	1/2	12,591	1/2	2,003	1/2	
3/4	86,602	3/4	75,997	3/4	65,389	3/4	54,781	3/4	44,174	3/4	33,566	3/4	22,959	3/4	12,371	3/4	1,786	3/4	
7	86,381	7	75,776	7	65,168	7	54,560	7	43,953	7	33,345	7	22,738	7	12,150	7	1,569	7	
1/4	86,160	1/4	75,555	1/4	64,947	1/4	54,339	1/4	43,732	1/4	33,124	1/4	22,517	1/4	11,930	1/4	1,352	1/4	
1/2	85,939	1/2	75,334	1/2	64,726	1/2	54,118	1/2	43,511	1/2	32,903	1/2	22,296	1/2	11,709	1/2	1,168	1/2	
3/4	85,718	3/4	75,113	3/4	64,505	3/4	53,897	3/4	43,290	3/4	32,682	3/4	22,075	3/4	11,489	3/4	984	3/4	
8	85,497	8	74,892	8	64,284	8	53,676	8	43,069	8	32,461	8	21,854	8	11,268	8	800	8	
1/4	85,277	1/4	74,671	1/4	64,063	1/4	53,455	1/4	42,848	1/4	32,240	1/4	21,633	1/4	11,048	1/4	616	1/4	
1/2	85,056	1/2	74,450	1/2	63,842	1/2	53,234	1/2	42,627	1/2	32,019	1/2	21,412	1/2	10,827	1/2	505	1/2	
3/4	84,835	3/4	74,229	3/4	63,621	3/4	53,013	3/4	42,406	3/4	31,798	3/4	21,191	3/4	10,606	3/4	395	3/4	
9	84,614	9	74,008	9	63,400	9	52,792	9	42,185	9	31,577	9	20,970	9	10,385	9	285	9	
1/4	84,393	1/4	73,787	1/4	63,179	1/4	52,571	1/4	41,964	1/4	31,356	1/4	20,749	1/4	10,164	1/4	174	1/4	
1/2	84,172	1/2	73,566	1/2	62,958	1/2	52,350	1/2	41,743	1/2	31,135	1/2	20,528	1/2	9,943	1/2	137	1/2	
3/4	83,951	3/4	73,345	3/4	62,737	3/4	52,129	3/4	41,522	3/4	30,914	3/4	20,307	3/4	9,722	3/4	100	3/4	
10	83,730	10	73,124	10	62,516	10	51,908	10	41,301	10	30,693	10	20,086	10	9,501	10	64	10	
1/4	83,509	1/4	72,903	1/4	62,295	1/4	51,687	1/4	41,080	1/4	30,472	1/4	19,865	1/4	9,280	1/4	27	1/4	
1/2	83,289	1/2	72,682	1/2	62,074	1/2	51,466	1/2	40,859	1/2	30,251	1/2	19,644	1/2	9,059	1/2		1/2	
3/4	83,068	3/4	72,461	3/4	61,853	3/4	51,245	3/4	40,638	3/4	30,030	3/4	19,423	3/4	8,838	3/4		3/4	
11	82,847	11	72,240	11	61,632	11	51,024	11	40,417	11	29,809	11	19,203	11	8,617	11		11	
1/4	82,626	1/4	72,019	1/4	61,411	1/4	50,803	1/4	40,196	1/4	29,588	1/4	18,982	1/4	8,396	1/4		1/4	
1/2	82,405	1/2	71,798	1/2	61,190	1/2	50,582	1/2	39,975	1/2	29,367	1/2	18,762	1/2	8,175	1/2		1/2	
3/4	82,184	3/4	71,577	3/4	60,969	3/4	50,362	3/4	39,754	3/4	29,146	3/4	18,541	3/4	7,954	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/10/2021 JS  
CALCULATED: 12/11/2021 CL  
PRINTED: 12/13/2021 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2021

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