



# BARGE "IB 1973"

## 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	00-0/8	- 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
2 CENTER	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4
3 CENTER	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	00-5/8	- 00-5/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 182'-09"

May 19, 2016

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

<http://www.pmacorp.net>



# BARGE "IB 1973"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-03 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	146,237	0	138,476	0	130,714	0	121,450	0	109,458	0	97,477	0	85,495	0	73,514
1/4		1/4		1/4	146,076	1/4	138,314	1/4	130,553	1/4	121,200	1/4	109,209	1/4	97,227	1/4	85,246	1/4	73,264
1/2		1/2	152,605	1/2	145,914	1/2	138,153	1/2	130,391	1/2	120,949	1/2	108,959	1/2	96,977	1/2	84,996	1/2	73,014
3/4		3/4	152,595	3/4	145,752	3/4	137,991	3/4	130,229	3/4	120,699	3/4	108,710	3/4	96,728	3/4	84,747	3/4	72,765
1		1	152,532	1	145,591	1	137,829	1	130,068	1	120,449	1	108,460	1	96,478	1	84,497	1	72,515
1/4		1/4	152,470	1/4	145,429	1/4	137,667	1/4	129,906	1/4	120,199	1/4	108,210	1/4	96,229	1/4	84,247	1/4	72,265
1/2		1/2	152,407	1/2	145,267	1/2	137,506	1/2	129,744	1/2	119,949	1/2	107,961	1/2	95,979	1/2	83,998	1/2	72,016
3/4		3/4	152,344	3/4	145,106	3/4	137,344	3/4	129,583	3/4	119,699	3/4	107,711	3/4	95,729	3/4	83,748	3/4	71,766
2		2	152,287	2	144,944	2	137,182	2	129,421	2	119,449	2	107,461	2	95,480	2	83,498	2	71,517
1/4		1/4	152,230	1/4	144,782	1/4	137,021	1/4	129,259	1/4	119,199	1/4	107,212	1/4	95,230	1/4	83,249	1/4	71,267
1/2		1/2	152,172	1/2	144,620	1/2	136,859	1/2	129,097	1/2	118,949	1/2	106,962	1/2	94,981	1/2	82,999	1/2	71,017
3/4		3/4	152,115	3/4	144,459	3/4	136,697	3/4	128,936	3/4	118,698	3/4	106,713	3/4	94,731	3/4	82,750	3/4	70,768
3		3	151,977	3	144,297	3	136,536	3	128,774	3	118,448	3	106,463	3	94,481	3	82,500	3	70,518
1/4		1/4	151,840	1/4	144,135	1/4	136,374	1/4	128,612	1/4	118,198	1/4	106,213	1/4	94,232	1/4	82,250	1/4	70,268
1/2		1/2	151,703	1/2	143,974	1/2	136,212	1/2	128,451	1/2	117,948	1/2	105,964	1/2	93,982	1/2	82,001	1/2	70,019
3/4		3/4	151,565	3/4	143,812	3/4	136,050	3/4	128,289	3/4	117,698	3/4	105,714	3/4	93,733	3/4	81,751	3/4	69,769
4		4	151,405	4	143,650	4	135,889	4	128,127	4	117,448	4	105,464	4	93,483	4	81,501	4	69,520
1/4		1/4	151,245	1/4	143,489	1/4	135,727	1/4	127,966	1/4	117,198	1/4	105,215	1/4	93,233	1/4	81,252	1/4	69,270
1/2		1/2	151,085	1/2	143,327	1/2	135,565	1/2	127,804	1/2	116,948	1/2	104,965	1/2	92,984	1/2	81,002	1/2	69,020
3/4		3/4	150,925	3/4	143,165	3/4	135,404	3/4	127,642	3/4	116,697	3/4	104,716	3/4	92,734	3/4	80,753	3/4	68,771
5		5	150,764	5	143,003	5	135,242	5	127,480	5	116,448	5	104,466	5	92,485	5	80,503	5	68,521
1/4		1/4	150,602	1/4	142,842	1/4	135,080	1/4	127,319	1/4	116,198	1/4	104,216	1/4	92,235	1/4	80,253	1/4	68,271
1/2		1/2	150,441	1/2	142,680	1/2	134,919	1/2	127,157	1/2	115,949	1/2	103,967	1/2	91,986	1/2	80,004	1/2	68,022
3/4		3/4	150,280	3/4	142,518	3/4	134,757	3/4	126,995	3/4	115,699	3/4	103,717	3/4	91,736	3/4	79,754	3/4	67,772
6		6	150,118	6	142,357	6	134,595	6	126,834	6	115,449	6	103,467	6	91,486	6	79,504	6	67,523
1/4		1/4	149,956	1/4	142,195	1/4	134,433	1/4	126,672	1/4	115,200	1/4	103,218	1/4	91,237	1/4	79,255	1/4	67,274
1/2		1/2	149,795	1/2	142,033	1/2	134,272	1/2	126,510	1/2	114,950	1/2	102,968	1/2	90,987	1/2	79,005	1/2	67,025
3/4		3/4	149,633	3/4	141,872	3/4	134,110	3/4	126,349	3/4	114,700	3/4	102,719	3/4	90,738	3/4	78,756	3/4	66,776
7		7	149,471	7	141,710	7	133,948	7	126,187	7	114,451	7	102,469	7	90,488	7	78,506	7	66,527
1/4		1/4	149,310	1/4	141,548	1/4	133,787	1/4	126,025	1/4	114,201	1/4	102,219	1/4	90,238	1/4	78,256	1/4	66,278
1/2		1/2	149,148	1/2	141,386	1/2	133,625	1/2	125,863	1/2	113,952	1/2	101,970	1/2	89,989	1/2	78,007	1/2	66,029
3/4		3/4	148,986	3/4	141,225	3/4	133,463	3/4	125,702	3/4	113,702	3/4	101,720	3/4	89,739	3/4	77,757	3/4	65,780
8		8	148,825	8	141,063	8	133,302	8	125,542	8	113,452	8	101,470	8	89,489	8	77,508	8	65,531
1/4		1/4	148,663	1/4	140,901	1/4	133,140	1/4	125,380	1/4	113,203	1/4	101,221	1/4	89,240	1/4	77,258	1/4	65,282
1/2		1/2	148,501	1/2	140,740	1/2	132,978	1/2	124,951	1/2	112,953	1/2	100,971	1/2	88,990	1/2	77,008	1/2	65,033
3/4		3/4	148,340	3/4	140,578	3/4	132,816	3/4	124,701	3/4	112,703	3/4	100,722	3/4	88,741	3/4	76,759	3/4	64,784
9		9	148,178	9	140,416	9	132,655	9	124,451	9	112,454	9	100,472	9	88,491	9	76,509	9	64,535
1/4		1/4	148,016	1/4	140,255	1/4	132,493	1/4	124,201	1/4	112,204	1/4	100,222	1/4	88,241	1/4	76,259	1/4	64,286
1/2		1/2	147,854	1/2	140,093	1/2	132,331	1/2	123,951	1/2	111,955	1/2	99,973	1/2	87,992	1/2	76,010	1/2	64,037
3/4		3/4	147,693	3/4	139,931	3/4	132,170	3/4	123,701	3/4	111,705	3/4	99,723	3/4	87,742	3/4	75,760	3/4	63,788
10		10	147,531	10	139,770	10	132,008	10	123,451	10	111,455	10	99,473	10	87,492	10	75,511	10	63,539
1/4		1/4	147,369	1/4	139,608	1/4	131,846	1/4	123,201	1/4	111,206	1/4	99,224	1/4	87,243	1/4	75,261	1/4	63,290
1/2		1/2	147,208	1/2	139,446	1/2	131,685	1/2	122,950	1/2	110,956	1/2	98,974	1/2	86,993	1/2	75,011	1/2	63,041
3/4		3/4	147,046	3/4	139,284	3/4	131,523	3/4	122,700	3/4	110,707	3/4	98,725	3/4	86,744	3/4	74,762	3/4	62,792
11		11	146,884	11	139,123	11	131,361	11	122,450	11	110,457	11	98,475	11	86,494	11	74,512	11	62,543
1/4		1/4	146,723	1/4	138,961	1/4	131,200	1/4	122,200	1/4	110,207	1/4	98,225	1/4	86,244	1/4	74,262	1/4	62,294
1/2		1/2	146,561	1/2	138,799	1/2	131,038	1/2	121,950	1/2	109,958	1/2	97,976	1/2	85,995	1/2	74,013	1/2	62,045
3/4		3/4	146,399	3/4	138,638	3/4	130,876	3/4	121,700	3/4	109,708	3/4	97,726	3/4	85,745	3/4	73,763	3/4	61,796

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 2" DIAMETER "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 31'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588  
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# BARGE "IB 1973"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-03 3/4"

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	61,547	0	49,578	0	37,609	0	25,886	0	13,904	0	1,927	0		0		0		0	
1/4	61,298	1/4	49,328	1/4	37,366	1/4	25,636	1/4	13,654	1/4	1,690	1/4		1/4		1/4		1/4	
1/2	61,049	1/2	49,079	1/2	37,123	1/2	25,387	1/2	13,404	1/2	1,453	1/2		1/2		1/2		1/2	
3/4	60,800	3/4	48,829	3/4	36,880	3/4	25,137	3/4	13,155	3/4	1,216	3/4		3/4		3/4		3/4	
1	60,551	1	48,580	1	36,637	1	24,887	1	12,905	1	1,052	1		1		1		1	
1/4	60,301	1/4	48,330	1/4	36,394	1/4	24,638	1/4	12,655	1/4	888	1/4		1/4		1/4		1/4	
1/2	60,052	1/2	48,081	1/2	36,151	1/2	24,388	1/2	12,406	1/2	724	1/2		1/2		1/2		1/2	
3/4	59,803	3/4	47,831	3/4	35,908	3/4	24,139	3/4	12,156	3/4	560	3/4		3/4		3/4		3/4	
2	59,554	2	47,582	2	35,665	2	23,889	2	11,907	2	469	2		2		2		2	
1/4	59,305	1/4	47,332	1/4	35,422	1/4	23,639	1/4	11,657	1/4	377	1/4		1/4		1/4		1/4	
1/2	59,056	1/2	47,083	1/2	35,179	1/2	23,390	1/2	11,407	1/2	285	1/2		1/2		1/2		1/2	
3/4	58,807	3/4	46,833	3/4	34,936	3/4	23,140	3/4	11,158	3/4	193	3/4		3/4		3/4		3/4	
3	58,558	3	46,584	3	34,693	3	22,890	3	10,908	3	151	3		3		3		3	
1/4	58,309	1/4	46,335	1/4	34,450	1/4	22,641	1/4	10,658	1/4	110	1/4		1/4		1/4		1/4	
1/2	58,060	1/2	46,085	1/2	34,207	1/2	22,391	1/2	10,409	1/2	68	1/2		1/2		1/2		1/2	
3/4	57,811	3/4	45,836	3/4	33,964	3/4	22,142	3/4	10,159	3/4	26	3/4		3/4		3/4		3/4	
4	57,562	4	45,586	4	33,721	4	21,892	4	9,909	4		4		4		4		4	
1/4	57,312	1/4	45,337	1/4	33,478	1/4	21,642	1/4	9,660	1/4		1/4		1/4		1/4		1/4	
1/2	57,063	1/2	45,087	1/2	33,235	1/2	21,393	1/2	9,410	1/2		1/2		1/2		1/2		1/2	
3/4	56,813	3/4	44,838	3/4	32,992	3/4	21,143	3/4	9,161	3/4		3/4		3/4		3/4		3/4	
5	56,564	5	44,588	5	32,749	5	20,893	5	8,911	5		5		5		5		5	
1/4	56,314	1/4	44,339	1/4	32,506	1/4	20,644	1/4	8,661	1/4		1/4		1/4		1/4		1/4	
1/2	56,065	1/2	44,089	1/2	32,263	1/2	20,394	1/2	8,411	1/2		1/2		1/2		1/2		1/2	
3/4	55,815	3/4	43,840	3/4	32,020	3/4	20,144	3/4	8,161	3/4		3/4		3/4		3/4		3/4	
6	55,566	6	43,590	6	31,777	6	19,895	6	7,911	6		6		6		6		6	
1/4	55,316	1/4	43,341	1/4	31,534	1/4	19,645	1/4	7,661	1/4		1/4		1/4		1/4		1/4	
1/2	55,067	1/2	43,091	1/2	31,291	1/2	19,396	1/2	7,411	1/2		1/2		1/2		1/2		1/2	
3/4	54,817	3/4	42,842	3/4	31,048	3/4	19,146	3/4	7,161	3/4		3/4		3/4		3/4		3/4	
7	54,568	7	42,592	7	30,805	7	18,896	7	6,912	7		7		7		7		7	
1/4	54,318	1/4	42,343	1/4	30,562	1/4	18,647	1/4	6,662	1/4		1/4		1/4		1/4		1/4	
1/2	54,069	1/2	42,093	1/2	30,319	1/2	18,397	1/2	6,412	1/2		1/2		1/2		1/2		1/2	
3/4	53,819	3/4	41,844	3/4	30,076	3/4	18,147	3/4	6,162	3/4		3/4		3/4		3/4		3/4	
8	53,570	8	41,594	8	29,833	8	17,898	8	5,912	8		8		8		8		8	
1/4	53,320	1/4	41,345	1/4	29,591	1/4	17,648	1/4	5,663	1/4		1/4		1/4		1/4		1/4	
1/2	53,071	1/2	41,095	1/2	29,348	1/2	17,399	1/2	5,413	1/2		1/2		1/2		1/2		1/2	
3/4	52,821	3/4	40,846	3/4	29,105	3/4	17,149	3/4	5,163	3/4		3/4		3/4		3/4		3/4	
9	52,572	9	40,596	9	28,862	9	16,899	9	4,913	9		9		9		9		9	
1/4	52,322	1/4	40,347	1/4	28,619	1/4	16,650	1/4	4,662	1/4		1/4		1/4		1/4		1/4	
1/2	52,073	1/2	40,097	1/2	28,376	1/2	16,400	1/2	4,412	1/2		1/2		1/2		1/2		1/2	
3/4	51,823	3/4	39,848	3/4	28,133	3/4	16,150	3/4	4,162	3/4		3/4		3/4		3/4		3/4	
10	51,574	10	39,598	10	27,883	10	15,901	10	3,912	10		10		10		10		10	
1/4	51,324	1/4	39,349	1/4	27,633	1/4	15,651	1/4	3,662	1/4		1/4		1/4		1/4		1/4	
1/2	51,075	1/2	39,099	1/2	27,384	1/2	15,401	1/2	3,412	1/2		1/2		1/2		1/2		1/2	
3/4	50,825	3/4	38,850	3/4	27,134	3/4	15,152	3/4	3,162	3/4		3/4		3/4		3/4		3/4	
11	50,576	11	38,600	11	26,885	11	14,902	11	2,912	11		11		11		11		11	
1/4	50,326	1/4	38,351	1/4	26,635	1/4	14,653	1/4	2,663	1/4		1/4		1/4		1/4		1/4	
1/2	50,077	1/2	38,101	1/2	26,385	1/2	14,403	1/2	2,413	1/2		1/2		1/2		1/2		1/2	
3/4	49,827	3/4	37,852	3/4	26,136	3/4	14,153	3/4	2,164	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/18/2016 CL  
CALCULATED: 05/19/2016 CL  
PRINTED: 05/19/2016 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2016

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



# BARGE "IB 1973"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-02 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0	160,864	0	150,405	0	138,907	0	127,409	0	115,911	0	104,413	0	92,915	0	81,417	0	69,919
1/4		1/4	160,804	1/4	150,166	1/4	138,668	1/4	127,170	1/4	115,672	1/4	104,173	1/4	92,675	1/4	81,177	1/4	69,679
1/2		1/2	160,744	1/2	149,926	1/2	138,428	1/2	126,930	1/2	115,432	1/2	103,934	1/2	92,436	1/2	80,938	1/2	69,439
3/4		3/4	160,684	3/4	149,687	3/4	138,189	3/4	126,691	3/4	115,192	3/4	103,694	3/4	92,196	3/4	80,698	3/4	69,200
1		1	160,545	1	149,447	1	137,949	1	126,451	1	114,953	1	103,455	1	91,957	1	80,459	1	68,960
1/4		1/4	160,405	1/4	149,208	1/4	137,710	1/4	126,211	1/4	114,713	1/4	103,215	1/4	91,717	1/4	80,219	1/4	68,721
1/2		1/2	160,265	1/2	148,968	1/2	137,470	1/2	125,972	1/2	114,474	1/2	102,976	1/2	91,478	1/2	79,979	1/2	68,481
3/4		3/4	160,126	3/4	148,729	3/4	137,230	3/4	125,732	3/4	114,234	3/4	102,736	3/4	91,238	3/4	79,740	3/4	68,242
2		2	159,909	2	148,489	2	136,991	2	125,493	2	113,995	2	102,497	2	90,998	2	79,500	2	68,002
1/4		1/4	159,693	1/4	148,250	1/4	136,751	1/4	125,253	1/4	113,755	1/4	102,257	1/4	90,759	1/4	79,261	1/4	67,763
1/2		1/2	159,477	1/2	148,010	1/2	136,512	1/2	125,014	1/2	113,516	1/2	102,017	1/2	90,519	1/2	79,021	1/2	67,523
3/4		3/4	159,261	3/4	147,770	3/4	136,272	3/4	124,774	3/4	113,276	3/4	101,778	3/4	90,280	3/4	78,782	3/4	67,284
3		3	159,023	3	147,531	3	136,033	3	124,535	3	113,037	3	101,538	3	90,040	3	78,542	3	67,044
1/4		1/4	158,785	1/4	147,291	1/4	135,793	1/4	124,295	1/4	112,797	1/4	101,299	1/4	89,801	1/4	78,303	1/4	66,804
1/2		1/2	158,547	1/2	147,052	1/2	135,554	1/2	124,056	1/2	112,557	1/2	101,059	1/2	89,561	1/2	78,063	1/2	66,565
3/4		3/4	158,309	3/4	146,812	3/4	135,314	3/4	123,816	3/4	112,318	3/4	100,820	3/4	89,322	3/4	77,824	3/4	66,325
4		4	158,070	4	146,573	4	135,075	4	123,576	4	112,078	4	100,580	4	89,082	4	77,584	4	66,086
1/4		1/4	157,830	1/4	146,333	1/4	134,835	1/4	123,337	1/4	111,839	1/4	100,341	1/4	88,843	1/4	77,344	1/4	65,846
1/2		1/2	157,591	1/2	146,094	1/2	134,596	1/2	123,097	1/2	111,599	1/2	100,101	1/2	88,603	1/2	77,105	1/2	65,607
3/4		3/4	157,352	3/4	145,854	3/4	134,356	3/4	122,858	3/4	111,360	3/4	99,862	3/4	88,363	3/4	76,865	3/4	65,367
5		5	157,113	5	145,615	5	134,116	5	122,618	5	111,120	5	99,622	5	88,124	5	76,626	5	65,128
1/4		1/4	156,873	1/4	145,375	1/4	133,877	1/4	122,379	1/4	110,881	1/4	99,383	1/4	87,884	1/4	76,386	1/4	64,888
1/2		1/2	156,634	1/2	145,135	1/2	133,637	1/2	122,139	1/2	110,641	1/2	99,143	1/2	87,645	1/2	76,147	1/2	64,649
3/4		3/4	156,394	3/4	144,896	3/4	133,398	3/4	121,900	3/4	110,402	3/4	98,903	3/4	87,405	3/4	75,907	3/4	64,409
6		6	156,154	6	144,656	6	133,158	6	121,660	6	110,162	6	98,664	6	87,166	6	75,668	6	64,170
1/4		1/4	155,915	1/4	144,417	1/4	132,919	1/4	121,421	1/4	109,922	1/4	98,424	1/4	86,926	1/4	75,428	1/4	63,930
1/2		1/2	155,675	1/2	144,177	1/2	132,679	1/2	121,181	1/2	109,683	1/2	98,185	1/2	86,687	1/2	75,189	1/2	63,690
3/4		3/4	155,436	3/4	143,938	3/4	132,440	3/4	120,941	3/4	109,443	3/4	97,945	3/4	86,447	3/4	74,949	3/4	63,451
7		7	155,196	7	143,698	7	132,200	7	120,702	7	109,204	7	97,706	7	86,208	7	74,709	7	63,211
1/4		1/4	154,957	1/4	143,459	1/4	131,961	1/4	120,462	1/4	108,964	1/4	97,466	1/4	85,968	1/4	74,470	1/4	62,972
1/2		1/2	154,717	1/2	143,219	1/2	131,721	1/2	120,223	1/2	108,725	1/2	97,227	1/2	85,728	1/2	74,230	1/2	62,732
3/4		3/4	154,478	3/4	142,980	3/4	131,481	3/4	119,983	3/4	108,485	3/4	96,987	3/4	85,489	3/4	73,991	3/4	62,493
8		8	154,238	8	142,740	8	131,242	8	119,744	8	108,246	8	96,748	8	85,249	8	73,751	8	62,253
1/4		1/4	153,999	1/4	142,500	1/4	131,002	1/4	119,504	1/4	108,006	1/4	96,508	1/4	85,010	1/4	73,512	1/4	62,014
1/2		1/2	153,759	1/2	142,261	1/2	130,763	1/2	119,265	1/2	107,767	1/2	96,268	1/2	84,770	1/2	73,272	1/2	61,774
3/4		3/4	153,519	3/4	142,021	3/4	130,523	3/4	119,025	3/4	107,527	3/4	96,029	3/4	84,531	3/4	73,033	3/4	61,535
9		9	153,280	9	141,782	9	130,284	9	118,786	9	107,287	9	95,789	9	84,291	9	72,793	9	61,295
1/4		1/4	153,040	1/4	141,542	1/4	130,044	1/4	118,546	1/4	107,048	1/4	95,550	1/4	84,052	1/4	72,554	1/4	61,055
1/2		1/2	152,801	1/2	141,303	1/2	129,805	1/2	118,307	1/2	106,808	1/2	95,310	1/2	83,812	1/2	72,314	1/2	60,816
3/4		3/4	152,561	3/4	141,063	3/4	129,565	3/4	118,067	3/4	106,569	3/4	95,071	3/4	83,573	3/4	72,074	3/4	60,576
10		10	152,322	10	140,824	10	129,326	10	117,827	10	106,329	10	94,831	10	83,333	10	71,835	10	60,337
1/4		1/4	152,082	1/4	140,584	1/4	129,086	1/4	117,588	1/4	106,090	1/4	94,592	1/4	83,094	1/4	71,595	1/4	60,097
1/2		1/2	151,843	1/2	140,345	1/2	128,846	1/2	117,348	1/2	105,850	1/2	94,352	1/2	82,854	1/2	71,356	1/2	59,858
3/4		3/4	151,603	3/4	140,105	3/4	128,607	3/4	117,109	3/4	105,611	3/4	94,113	3/4	82,614	3/4	71,116	3/4	59,618
11		11	151,364	11	139,865	11	128,367	11	116,869	11	105,371	11	93,873	11	82,375	11	70,877	11	59,379
1/4		1/4	151,124	1/4	139,626	1/4	128,128	1/4	116,630	1/4	105,132	1/4	93,633	1/4	82,135	1/4	70,637	1/4	59,139
1/2	160,934	1/2	150,885	1/2	139,386	1/2	127,888	1/2	116,390	1/2	104,892	1/2	93,394	1/2	81,896	1/2	70,398	1/2	58,900
3/4	160,924	3/4	150,645	3/4	139,147	3/4	127,649	3/4	116,151	3/4	104,652	3/4	93,154	3/4	81,656	3/4	70,158	3/4	58,660

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 2" DIAMETER "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 31'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "IB 1973"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-02 3/4"

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	58,420	0	46,922	0	35,459	0	24,208	0	12,710	0	1,263	0		0		0		0	
1/4	58,181	1/4	46,683	1/4	35,227	1/4	23,968	1/4	12,470	1/4	1,064	1/4		1/4		1/4		1/4	
1/2	57,941	1/2	46,443	1/2	34,994	1/2	23,728	1/2	12,231	1/2	864	1/2		1/2		1/2		1/2	
3/4	57,702	3/4	46,204	3/4	34,761	3/4	23,489	3/4	11,991	3/4	665	3/4		3/4		3/4		3/4	
1	57,462	1	45,964	1	34,529	1	23,249	1	11,752	1	545	1		1		1		1	
1/4	57,223	1/4	45,725	1/4	34,296	1/4	23,010	1/4	11,512	1/4	425	1/4		1/4		1/4		1/4	
1/2	56,983	1/2	45,485	1/2	34,064	1/2	22,770	1/2	11,273	1/2	305	1/2		1/2		1/2		1/2	
3/4	56,744	3/4	45,246	3/4	33,831	3/4	22,531	3/4	11,033	3/4	186	3/4		3/4		3/4		3/4	
2	56,504	2	45,006	2	33,599	2	22,291	2	10,794	2	146	2		2		2		2	
1/4	56,265	1/4	44,766	1/4	33,366	1/4	22,052	1/4	10,554	1/4	106	1/4		1/4		1/4		1/4	
1/2	56,025	1/2	44,527	1/2	33,134	1/2	21,812	1/2	10,314	1/2	66	1/2		1/2		1/2		1/2	
3/4	55,785	3/4	44,287	3/4	32,901	3/4	21,573	3/4	10,075	3/4	26	3/4		3/4		3/4		3/4	
3	55,546	3	44,048	3	32,669	3	21,333	3	9,835	3		3		3		3		3	
1/4	55,306	1/4	43,808	1/4	32,436	1/4	21,094	1/4	9,596	1/4		1/4		1/4		1/4		1/4	
1/2	55,067	1/2	43,569	1/2	32,204	1/2	20,854	1/2	9,356	1/2		1/2		1/2		1/2		1/2	
3/4	54,827	3/4	43,329	3/4	31,971	3/4	20,615	3/4	9,117	3/4		3/4		3/4		3/4		3/4	
4	54,588	4	43,090	4	31,739	4	20,375	4	8,877	4		4		4		4		4	
1/4	54,348	1/4	42,850	1/4	31,506	1/4	20,135	1/4	8,638	1/4		1/4		1/4		1/4		1/4	
1/2	54,109	1/2	42,611	1/2	31,274	1/2	19,896	1/2	8,398	1/2		1/2		1/2		1/2		1/2	
3/4	53,869	3/4	42,371	3/4	31,041	3/4	19,656	3/4	8,159	3/4		3/4		3/4		3/4		3/4	
5	53,630	5	42,131	5	30,809	5	19,417	5	7,919	5		5		5		5		5	
1/4	53,390	1/4	41,892	1/4	30,576	1/4	19,177	1/4	7,680	1/4		1/4		1/4		1/4		1/4	
1/2	53,150	1/2	41,652	1/2	30,344	1/2	18,938	1/2	7,440	1/2		1/2		1/2		1/2		1/2	
3/4	52,911	3/4	41,413	3/4	30,111	3/4	18,698	3/4	7,201	3/4		3/4		3/4		3/4		3/4	
6	52,671	6	41,173	6	29,879	6	18,459	6	6,961	6		6		6		6		6	
1/4	52,432	1/4	40,934	1/4	29,646	1/4	18,219	1/4	6,722	1/4		1/4		1/4		1/4		1/4	
1/2	52,192	1/2	40,694	1/2	29,414	1/2	17,980	1/2	6,482	1/2		1/2		1/2		1/2		1/2	
3/4	51,953	3/4	40,455	3/4	29,181	3/4	17,740	3/4	6,243	3/4		3/4		3/4		3/4		3/4	
7	51,713	7	40,215	7	28,949	7	17,501	7	6,003	7		7		7		7		7	
1/4	51,474	1/4	39,976	1/4	28,716	1/4	17,261	1/4	5,763	1/4		1/4		1/4		1/4		1/4	
1/2	51,234	1/2	39,736	1/2	28,484	1/2	17,021	1/2	5,524	1/2		1/2		1/2		1/2		1/2	
3/4	50,995	3/4	39,496	3/4	28,251	3/4	16,782	3/4	5,284	3/4		3/4		3/4		3/4		3/4	
8	50,755	8	39,257	8	28,019	8	16,542	8	5,045	8		8		8		8		8	
1/4	50,515	1/4	39,017	1/4	27,786	1/4	16,303	1/4	4,805	1/4		1/4		1/4		1/4		1/4	
1/2	50,276	1/2	38,778	1/2	27,554	1/2	16,063	1/2	4,566	1/2		1/2		1/2		1/2		1/2	
3/4	50,036	3/4	38,538	3/4	27,321	3/4	15,824	3/4	4,326	3/4		3/4		3/4		3/4		3/4	
9	49,797	9	38,299	9	27,082	9	15,584	9	4,087	9		9		9		9		9	
1/4	49,557	1/4	38,059	1/4	26,842	1/4	15,345	1/4	3,847	1/4		1/4		1/4		1/4		1/4	
1/2	49,318	1/2	37,820	1/2	26,603	1/2	15,105	1/2	3,608	1/2		1/2		1/2		1/2		1/2	
3/4	49,078	3/4	37,580	3/4	26,363	3/4	14,866	3/4	3,368	3/4		3/4		3/4		3/4		3/4	
10	48,839	10	37,341	10	26,124	10	14,626	10	3,130	10		10		10		10		10	
1/4	48,599	1/4	37,101	1/4	25,884	1/4	14,387	1/4	2,891	1/4		1/4		1/4		1/4		1/4	
1/2	48,360	1/2	36,861	1/2	25,645	1/2	14,147	1/2	2,652	1/2		1/2		1/2		1/2		1/2	
3/4	48,120	3/4	36,622	3/4	25,405	3/4	13,908	3/4	2,413	3/4		3/4		3/4		3/4		3/4	
11	47,881	11	36,389	11	25,166	11	13,668	11	2,175	11		11		11		11		11	
1/4	47,641	1/4	36,157	1/4	24,926	1/4	13,428	1/4	1,938	1/4		1/4		1/4		1/4		1/4	
1/2	47,401	1/2	35,924	1/2	24,687	1/2	13,189	1/2	1,700	1/2		1/2		1/2		1/2		1/2	
3/4	47,162	3/4	35,692	3/4	24,447	3/4	12,949	3/4	1,463	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/18/2016 CL  
CALCULATED: 05/19/2016 CL  
PRINTED: 05/19/2016 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2016

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



# BARGE "IB 1973"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-02 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0	160,093	0	149,701	0	138,277	0	126,853	0	115,428	0	104,004	0	92,580	0	81,156	0	69,732
1/4		1/4	160,033	1/4	149,463	1/4	138,039	1/4	126,615	1/4	115,190	1/4	103,766	1/4	92,342	1/4	80,918	1/4	69,494
1/2		1/2	159,974	1/2	149,225	1/2	137,801	1/2	126,377	1/2	114,952	1/2	103,528	1/2	92,104	1/2	80,680	1/2	69,256
3/4		3/4	159,914	3/4	148,987	3/4	137,563	3/4	126,139	3/4	114,714	3/4	103,290	3/4	91,866	3/4	80,442	3/4	69,018
1		1	159,775	1	148,749	1	137,325	1	125,901	1	114,476	1	103,052	1	91,628	1	80,204	1	68,780
1/4		1/4	159,636	1/4	148,511	1/4	137,087	1/4	125,663	1/4	114,238	1/4	102,814	1/4	91,390	1/4	79,966	1/4	68,542
1/2		1/2	159,498	1/2	148,273	1/2	136,849	1/2	125,425	1/2	114,000	1/2	102,576	1/2	91,152	1/2	79,728	1/2	68,304
3/4		3/4	159,359	3/4	148,035	3/4	136,611	3/4	125,187	3/4	113,762	3/4	102,338	3/4	90,914	3/4	79,490	3/4	68,066
2		2	159,144	2	147,797	2	136,373	2	124,949	2	113,524	2	102,100	2	90,676	2	79,252	2	67,828
1/4		1/4	158,929	1/4	147,559	1/4	136,135	1/4	124,711	1/4	113,286	1/4	101,862	1/4	90,438	1/4	79,014	1/4	67,590
1/2		1/2	158,714	1/2	147,321	1/2	135,897	1/2	124,473	1/2	113,048	1/2	101,624	1/2	90,200	1/2	78,776	1/2	67,351
3/4		3/4	158,499	3/4	147,083	3/4	135,659	3/4	124,235	3/4	112,810	3/4	101,386	3/4	89,962	3/4	78,538	3/4	67,113
3		3	158,263	3	146,845	3	135,421	3	123,997	3	112,572	3	101,148	3	89,724	3	78,300	3	66,875
1/4		1/4	158,026	1/4	146,607	1/4	135,183	1/4	123,759	1/4	112,334	1/4	100,910	1/4	89,486	1/4	78,062	1/4	66,637
1/2		1/2	157,790	1/2	146,369	1/2	134,945	1/2	123,521	1/2	112,096	1/2	100,672	1/2	89,248	1/2	77,824	1/2	66,399
3/4		3/4	157,554	3/4	146,131	3/4	134,707	3/4	123,283	3/4	111,858	3/4	100,434	3/4	89,010	3/4	77,586	3/4	66,161
4		4	157,316	4	145,893	4	134,469	4	123,045	4	111,620	4	100,196	4	88,772	4	77,348	4	65,923
1/4		1/4	157,078	1/4	145,655	1/4	134,231	1/4	122,807	1/4	111,382	1/4	99,958	1/4	88,534	1/4	77,110	1/4	65,685
1/2		1/2	156,841	1/2	145,417	1/2	133,993	1/2	122,569	1/2	111,144	1/2	99,720	1/2	88,296	1/2	76,872	1/2	65,447
3/4		3/4	156,603	3/4	145,179	3/4	133,755	3/4	122,331	3/4	110,906	3/4	99,482	3/4	88,058	3/4	76,634	3/4	65,209
5		5	156,365	5	144,941	5	133,517	5	122,093	5	110,668	5	99,244	5	87,820	5	76,396	5	64,971
1/4		1/4	156,127	1/4	144,703	1/4	133,279	1/4	121,855	1/4	110,430	1/4	99,006	1/4	87,582	1/4	76,158	1/4	64,733
1/2		1/2	155,889	1/2	144,465	1/2	133,041	1/2	121,617	1/2	110,192	1/2	98,768	1/2	87,344	1/2	75,920	1/2	64,495
3/4		3/4	155,651	3/4	144,227	3/4	132,803	3/4	121,379	3/4	109,954	3/4	98,530	3/4	87,106	3/4	75,682	3/4	64,257
6		6	155,413	6	143,989	6	132,565	6	121,141	6	109,716	6	98,292	6	86,868	6	75,444	6	64,019
1/4		1/4	155,175	1/4	143,751	1/4	132,327	1/4	120,903	1/4	109,478	1/4	98,054	1/4	86,630	1/4	75,206	1/4	63,781
1/2		1/2	154,937	1/2	143,513	1/2	132,089	1/2	120,665	1/2	109,240	1/2	97,816	1/2	86,392	1/2	74,968	1/2	63,543
3/4		3/4	154,699	3/4	143,275	3/4	131,851	3/4	120,427	3/4	109,002	3/4	97,578	3/4	86,154	3/4	74,730	3/4	63,305
7		7	154,461	7	143,037	7	131,613	7	120,189	7	108,764	7	97,340	7	85,916	7	74,492	7	63,067
1/4		1/4	154,223	1/4	142,799	1/4	131,375	1/4	119,951	1/4	108,526	1/4	97,102	1/4	85,678	1/4	74,254	1/4	62,829
1/2		1/2	153,985	1/2	142,561	1/2	131,137	1/2	119,713	1/2	108,288	1/2	96,864	1/2	85,440	1/2	74,016	1/2	62,591
3/4		3/4	153,747	3/4	142,323	3/4	130,899	3/4	119,475	3/4	108,050	3/4	96,626	3/4	85,202	3/4	73,778	3/4	62,353
8		8	153,509	8	142,085	8	130,661	8	119,237	8	107,812	8	96,388	8	84,964	8	73,540	8	62,115
1/4		1/4	153,271	1/4	141,847	1/4	130,423	1/4	118,999	1/4	107,574	1/4	96,150	1/4	84,726	1/4	73,302	1/4	61,877
1/2		1/2	153,033	1/2	141,609	1/2	130,185	1/2	118,761	1/2	107,336	1/2	95,912	1/2	84,488	1/2	73,064	1/2	61,639
3/4		3/4	152,795	3/4	141,371	3/4	129,947	3/4	118,523	3/4	107,098	3/4	95,674	3/4	84,250	3/4	72,826	3/4	61,401
9		9	152,557	9	141,133	9	129,709	9	118,285	9	106,860	9	95,436	9	84,012	9	72,588	9	61,163
1/4		1/4	152,319	1/4	140,895	1/4	129,471	1/4	118,047	1/4	106,622	1/4	95,198	1/4	83,774	1/4	72,350	1/4	60,925
1/2		1/2	152,081	1/2	140,657	1/2	129,233	1/2	117,808	1/2	106,384	1/2	94,960	1/2	83,536	1/2	72,112	1/2	60,687
3/4		3/4	151,843	3/4	140,419	3/4	128,995	3/4	117,570	3/4	106,146	3/4	94,722	3/4	83,298	3/4	71,874	3/4	60,449
10		10	151,605	10	140,181	10	128,757	10	117,332	10	105,908	10	94,484	10	83,060	10	71,636	10	60,211
1/4		1/4	151,367	1/4	139,943	1/4	128,519	1/4	117,094	1/4	105,670	1/4	94,246	1/4	82,822	1/4	71,398	1/4	59,973
1/2		1/2	151,129	1/2	139,705	1/2	128,281	1/2	116,856	1/2	105,432	1/2	94,008	1/2	82,584	1/2	71,160	1/2	59,735
3/4		3/4	150,891	3/4	139,467	3/4	128,043	3/4	116,618	3/4	105,194	3/4	93,770	3/4	82,346	3/4	70,922	3/4	59,497
11		11	150,653	11	139,229	11	127,805	11	116,380	11	104,956	11	93,532	11	82,108	11	70,684	11	59,259
1/4		1/4	150,415	1/4	138,991	1/4	127,567	1/4	116,142	1/4	104,718	1/4	93,294	1/4	81,870	1/4	70,446	1/4	59,021
1/2		1/2	160,162	1/2	150,177	1/2	138,753	1/2	127,329	1/2	115,904	1/2	104,480	1/2	93,056	1/2	81,632	1/2	58,783
3/4		3/4	160,152	3/4	149,939	3/4	138,515	3/4	127,091	3/4	115,666	3/4	104,242	3/4	92,818	3/4	81,394	3/4	58,545

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 2" DIAMETER "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 31'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "IB 1973"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-02 3/4"

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	58,307	0	46,883	0	35,461	0	24,052	0	12,629	0	1,256	0		0		0		0	
1/4	58,069	1/4	46,645	1/4	35,223	1/4	23,814	1/4	12,391	1/4	1,057	1/4		1/4		1/4		1/4	
1/2	57,831	1/2	46,407	1/2	34,986	1/2	23,576	1/2	12,153	1/2	859	1/2		1/2		1/2		1/2	
3/4	57,593	3/4	46,169	3/4	34,748	3/4	23,338	3/4	11,915	3/4	661	3/4		3/4		3/4		3/4	
1	57,355	1	45,931	1	34,510	1	23,100	1	11,677	1	542	1		1		1		1	
1/4	57,117	1/4	45,693	1/4	34,273	1/4	22,862	1/4	11,439	1/4	423	1/4		1/4		1/4		1/4	
1/2	56,879	1/2	45,455	1/2	34,035	1/2	22,624	1/2	11,201	1/2	304	1/2		1/2		1/2		1/2	
3/4	56,641	3/4	45,217	3/4	33,798	3/4	22,386	3/4	10,963	3/4	185	3/4		3/4		3/4		3/4	
2	56,403	2	44,979	2	33,560	2	22,148	2	10,725	2	145	2		2		2		2	
1/4	56,165	1/4	44,741	1/4	33,323	1/4	21,910	1/4	10,487	1/4	106	1/4		1/4		1/4		1/4	
1/2	55,927	1/2	44,503	1/2	33,085	1/2	21,672	1/2	10,249	1/2	66	1/2		1/2		1/2		1/2	
3/4	55,689	3/4	44,265	3/4	32,848	3/4	21,434	3/4	10,011	3/4	26	3/4		3/4		3/4		3/4	
3	55,451	3	44,027	3	32,610	3	21,196	3	9,773	3		3		3		3		3	
1/4	55,213	1/4	43,789	1/4	32,372	1/4	20,958	1/4	9,535	1/4		1/4		1/4		1/4		1/4	
1/2	54,975	1/2	43,551	1/2	32,135	1/2	20,720	1/2	9,297	1/2		1/2		1/2		1/2		1/2	
3/4	54,737	3/4	43,313	3/4	31,897	3/4	20,482	3/4	9,059	3/4		3/4		3/4		3/4		3/4	
4	54,499	4	43,075	4	31,660	4	20,245	4	8,821	4		4		4		4		4	
1/4	54,261	1/4	42,837	1/4	31,422	1/4	20,007	1/4	8,583	1/4		1/4		1/4		1/4		1/4	
1/2	54,023	1/2	42,599	1/2	31,185	1/2	19,769	1/2	8,345	1/2		1/2		1/2		1/2		1/2	
3/4	53,785	3/4	42,361	3/4	30,947	3/4	19,531	3/4	8,107	3/4		3/4		3/4		3/4		3/4	
5	53,547	5	42,123	5	30,710	5	19,293	5	7,869	5		5		5		5		5	
1/4	53,309	1/4	41,885	1/4	30,472	1/4	19,055	1/4	7,631	1/4		1/4		1/4		1/4		1/4	
1/2	53,071	1/2	41,647	1/2	30,235	1/2	18,817	1/2	7,393	1/2		1/2		1/2		1/2		1/2	
3/4	52,833	3/4	41,409	3/4	29,997	3/4	18,579	3/4	7,155	3/4		3/4		3/4		3/4		3/4	
6	52,595	6	41,171	6	29,759	6	18,341	6	6,917	6		6		6		6		6	
1/4	52,357	1/4	40,933	1/4	29,522	1/4	18,103	1/4	6,679	1/4		1/4		1/4		1/4		1/4	
1/2	52,119	1/2	40,695	1/2	29,284	1/2	17,865	1/2	6,441	1/2		1/2		1/2		1/2		1/2	
3/4	51,881	3/4	40,457	3/4	29,047	3/4	17,627	3/4	6,203	3/4		3/4		3/4		3/4		3/4	
7	51,643	7	40,219	7	28,809	7	17,389	7	5,965	7		7		7		7		7	
1/4	51,405	1/4	39,981	1/4	28,572	1/4	17,151	1/4	5,727	1/4		1/4		1/4		1/4		1/4	
1/2	51,167	1/2	39,743	1/2	28,334	1/2	16,913	1/2	5,489	1/2		1/2		1/2		1/2		1/2	
3/4	50,929	3/4	39,505	3/4	28,097	3/4	16,675	3/4	5,251	3/4		3/4		3/4		3/4		3/4	
8	50,691	8	39,267	8	27,859	8	16,437	8	5,013	8		8		8		8		8	
1/4	50,453	1/4	39,029	1/4	27,621	1/4	16,199	1/4	4,775	1/4		1/4		1/4		1/4		1/4	
1/2	50,215	1/2	38,791	1/2	27,384	1/2	15,961	1/2	4,537	1/2		1/2		1/2		1/2		1/2	
3/4	49,977	3/4	38,553	3/4	27,146	3/4	15,723	3/4	4,299	3/4		3/4		3/4		3/4		3/4	
9	49,739	9	38,315	9	26,908	9	15,485	9	4,061	9		9		9		9		9	
1/4	49,501	1/4	38,077	1/4	26,670	1/4	15,247	1/4	3,823	1/4		1/4		1/4		1/4		1/4	
1/2	49,263	1/2	37,839	1/2	26,432	1/2	15,009	1/2	3,585	1/2		1/2		1/2		1/2		1/2	
3/4	49,025	3/4	37,601	3/4	26,194	3/4	14,771	3/4	3,347	3/4		3/4		3/4		3/4		3/4	
10	48,787	10	37,363	10	25,956	10	14,533	10	3,110	10		10		10		10		10	
1/4	48,549	1/4	37,125	1/4	25,718	1/4	14,295	1/4	2,872	1/4		1/4		1/4		1/4		1/4	
1/2	48,311	1/2	36,887	1/2	25,480	1/2	14,057	1/2	2,635	1/2		1/2		1/2		1/2		1/2	
3/4	48,073	3/4	36,649	3/4	25,242	3/4	13,819	3/4	2,398	3/4		3/4		3/4		3/4		3/4	
11	47,835	11	36,411	11	25,004	11	13,581	11	2,162	11		11		11		11		11	
1/4	47,597	1/4	36,174	1/4	24,766	1/4	13,343	1/4	1,926	1/4		1/4		1/4		1/4		1/4	
1/2	47,359	1/2	35,936	1/2	24,528	1/2	13,105	1/2	1,690	1/2		1/2		1/2		1/2		1/2	
3/4	47,121	3/4	35,698	3/4	24,290	3/4	12,867	3/4	1,454	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/18/2016 CL  
CALCULATED: 05/19/2016 CL  
PRINTED: 05/19/2016 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2016

PRECISION MEASUREMENT  
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