



# BARGE "IB 1944"

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

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

LENGTH BETWEEN DRAFT MARKS: 182'-06"

October 10, 2013

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

<http://www.pmacorp.net>



# BARGE "IB 1944"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-05 1/2"

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	
0		0	159,181	0	150,665	0	141,104	0	131,544	0	120,826	0	107,892	0	94,959	0	82,025	0	69,101		
1/4	1/4	159,160	1/4	150,466	1/4	140,905	1/4	131,345	1/4	120,556	1/4	107,622	1/4	94,689	1/4	81,755	1/4	68,832	1/4		
1/2	1/2	159,140	1/2	150,266	1/2	140,706	1/2	131,146	1/2	120,287	1/2	107,353	1/2	94,420	1/2	81,486	1/2	68,563	1/2		
3/4	3/4	159,065	3/4	150,067	3/4	140,507	3/4	130,946	3/4	120,017	3/4	107,083	3/4	94,150	3/4	81,216	3/4	68,294	3/4		
1		1	158,989	1	149,868	1	140,308	1	130,747	1	119,748	1	106,814	1	93,881	1	80,947	1	68,025		
1/4	1/4	158,914	1/4	149,669	1/4	140,108	1/4	130,548	1/4	119,479	1/4	106,545	1/4	93,611	1/4	80,677	1/4	67,756	1/4		
1/2	1/2	158,838	1/2	149,470	1/2	139,909	1/2	130,349	1/2	119,209	1/2	106,275	1/2	93,342	1/2	80,408	1/2	67,488	1/2		
3/4	3/4	158,681	3/4	149,271	3/4	139,710	3/4	130,150	3/4	118,940	3/4	106,006	3/4	93,073	3/4	80,139	3/4	67,219	3/4		
2		2	158,523	2	149,071	2	139,511	2	129,950	2	118,670	2	105,736	2	92,803	2	79,869	2	66,950		
1/4	1/4	158,366	1/4	148,872	1/4	139,312	1/4	129,751	1/4	118,401	1/4	105,467	1/4	92,534	1/4	79,600	1/4	66,681	1/4		
1/2	1/2	158,208	1/2	148,673	1/2	139,113	1/2	129,552	1/2	118,131	1/2	105,197	1/2	92,264	1/2	79,330	1/2	66,412	1/2		
3/4	3/4	158,015	3/4	148,474	3/4	138,913	3/4	129,353	3/4	117,862	3/4	104,928	3/4	91,995	3/4	79,061	3/4	66,143	3/4		
3		3	157,821	3	148,275	3	138,714	3	129,154	3	117,592	3	104,659	3	91,725	3	78,791	3	65,874		
1/4	1/4	157,627	1/4	148,075	1/4	138,515	1/4	128,955	1/4	117,323	1/4	104,389	1/4	91,456	1/4	78,522	1/4	65,606	1/4		
1/2	1/2	157,434	1/2	147,876	1/2	138,316	1/2	128,755	1/2	117,053	1/2	104,120	1/2	91,186	1/2	78,252	1/2	65,337	1/2		
3/4	3/4	157,235	3/4	147,677	3/4	138,117	3/4	128,556	3/4	116,784	3/4	103,850	3/4	90,917	3/4	77,983	3/4	65,068	3/4		
4		4	157,037	4	147,478	4	137,917	4	128,357	4	116,514	4	103,581	4	90,647	4	77,713	4	64,799		
1/4	1/4	156,838	1/4	147,279	1/4	137,718	1/4	128,158	1/4	116,245	1/4	103,311	1/4	90,378	1/4	77,444	1/4	64,530	1/4		
1/2	1/2	156,640	1/2	147,080	1/2	137,519	1/2	127,959	1/2	115,976	1/2	103,042	1/2	90,108	1/2	77,174	1/2	64,261	1/2		
3/4	3/4	156,441	3/4	146,880	3/4	137,320	3/4	127,760	3/4	115,706	3/4	102,773	3/4	89,839	3/4	76,905	3/4	63,992	3/4		
5		5	156,241	5	146,681	5	137,121	5	127,560	5	115,437	5	102,503	5	89,570	5	76,636	5	63,724		
1/4	1/4	156,042	1/4	146,482	1/4	136,922	1/4	127,361	1/4	115,167	1/4	102,234	1/4	89,300	1/4	76,366	1/4	63,455	1/4		
1/2	1/2	155,843	1/2	146,283	1/2	136,722	1/2	127,162	1/2	114,898	1/2	101,964	1/2	89,031	1/2	76,097	1/2	63,186	1/2		
3/4	3/4	155,644	3/4	146,084	3/4	136,523	3/4	126,963	3/4	114,628	3/4	101,695	3/4	88,761	3/4	75,827	3/4	62,917	3/4		
6		6	155,445	6	145,885	6	136,324	6	126,764	6	114,359	6	101,425	6	88,492	6	75,558	6	62,648		
1/4	1/4	155,246	1/4	145,685	1/4	136,125	1/4	126,564	1/4	114,089	1/4	101,156	1/4	88,222	1/4	75,288	1/4	62,378	1/4		
1/2	1/2	155,047	1/2	145,486	1/2	135,926	1/2	126,365	1/2	113,820	1/2	100,887	1/2	87,953	1/2	75,019	1/2	62,109	1/2		
3/4	3/4	154,847	3/4	145,287	3/4	135,727	3/4	126,166	3/4	113,550	3/4	100,617	3/4	87,683	3/4	74,749	3/4	61,840	3/4		
7		7	154,648	7	145,088	7	135,527	7	125,968	7	113,281	7	100,348	7	87,414	7	74,480	7	61,571		
1/4	1/4	154,449	1/4	144,889	1/4	135,328	1/4	125,769	1/4	113,012	1/4	100,078	1/4	87,144	1/4	74,210	1/4	61,301	1/4		
1/2	1/2	154,250	1/2	144,689	1/2	135,129	1/2	125,570	1/2	112,742	1/2	99,809	1/2	86,875	1/2	73,941	1/2	61,032	1/2		
3/4	3/4	154,051	3/4	144,490	3/4	134,930	3/4	125,371	3/4	112,473	3/4	99,539	3/4	86,606	3/4	73,672	3/4	60,763	3/4		
8		8	153,852	8	144,291	8	134,731	8	125,084	8	112,203	8	99,270	8	86,336	8	73,403	8	60,493		
1/4	1/4	153,652	1/4	144,092	1/4	134,532	1/4	124,841	1/4	111,934	1/4	99,001	1/4	86,067	1/4	73,134	1/4	60,224	1/4		
1/2	1/2	153,453	1/2	143,893	1/2	134,332	1/2	124,598	1/2	111,664	1/2	98,731	1/2	85,797	1/2	72,865	1/2	59,955	1/2		
3/4	3/4	153,254	3/4	143,694	3/4	134,133	3/4	124,329	3/4	111,395	3/4	98,462	3/4	85,528	3/4	72,596	3/4	59,685	3/4		
9		9	153,055	9	143,494	9	133,934	9	124,059	9	111,125	9	98,192	9	85,258	9	72,327	9	59,416		
1/4	1/4	152,856	1/4	143,295	1/4	133,735	1/4	123,790	1/4	110,856	1/4	97,923	1/4	84,989	1/4	72,058	1/4	59,147	1/4		
1/2	1/2	152,657	1/2	143,096	1/2	133,536	1/2	123,520	1/2	110,586	1/2	97,653	1/2	84,719	1/2	71,789	1/2	58,877	1/2		
3/4	3/4	152,457	3/4	142,897	3/4	133,336	3/4	123,251	3/4	110,317	3/4	97,384	3/4	84,450	3/4	71,520	3/4	58,608	3/4		
10		10	152,258	10	142,698	10	133,137	10	122,981	10	110,047	10	97,114	10	84,180	10	71,252	10	58,339		
1/4	1/4	152,059	1/4	142,499	1/4	132,938	1/4	122,712	1/4	109,778	1/4	96,845	1/4	83,911	1/4	70,983	1/4	58,069	1/4		
1/2	1/2	151,860	1/2	142,299	1/2	132,739	1/2	122,443	1/2	109,509	1/2	96,575	1/2	83,641	1/2	70,714	1/2	57,800	1/2		
3/4	3/4	151,661	3/4	142,100	3/4	132,540	3/4	122,173	3/4	109,239	3/4	96,306	3/4	83,372	3/4	70,445	3/4	57,531	3/4		
11		11	151,461	11	141,901	11	132,341	11	121,904	11	108,970	11	96,037	11	83,103	11	70,176	11	57,261		
1/4	1/4	151,262	1/4	141,702	1/4	132,141	1/4	121,634	1/4	108,700	1/4	95,767	1/4	82,833	1/4	69,907	1/4	56,992	1/4		
1/2	159,222	1/2	151,063	1/2	141,503	1/2	131,942	1/2	121,365	1/2	108,431	1/2	95,498	1/2	82,564	1/2	69,638	1/2	56,723		
3/4	159,201	3/4	150,864	3/4	141,303	3/4	131,743	3/4	121,095	3/4	108,161	3/4	95,228	3/4	82,294	3/4	69,370	3/4	56,453		

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 30'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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# BARGE "IB 1944"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-05 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	56,184	0	43,256	0	30,573	0	17,644	0	4,709	0		0		0		0		0	
1/4	55,915	1/4	42,987	1/4	30,306	1/4	17,374	1/4	4,441	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	55,645	1/2	42,718	1/2	30,039	1/2	17,105	1/2	4,172	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	55,376	3/4	42,448	3/4	29,770	3/4	16,835	3/4	3,905	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	55,107	1	42,179	1	29,500	1	16,566	1	3,637	1		1		1		1		1	
1/4	54,837	1/4	41,910	1/4	29,231	1/4	16,296	1/4	3,370	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	54,568	1/2	41,640	1/2	28,961	1/2	16,027	1/2	3,103	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	54,299	3/4	41,375	3/4	28,692	3/4	15,757	3/4	2,837	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	54,029	2	41,109	2	28,422	2	15,488	2	2,572	2		2		2		2		2	
1/4	53,760	1/4	40,844	1/4	28,153	1/4	15,218	1/4	2,307	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	53,491	1/2	40,578	1/2	27,883	1/2	14,949	1/2	2,041	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	53,221	3/4	40,315	3/4	27,614	3/4	14,680	3/4	1,802	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	52,952	3	40,052	3	27,344	3	14,410	3	1,562	3		3		3		3		3	
1/4	52,683	1/4	39,789	1/4	27,075	1/4	14,141	1/4	1,323	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	52,413	1/2	39,526	1/2	26,806	1/2	13,871	1/2	1,083	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	52,144	3/4	39,263	3/4	26,536	3/4	13,602	3/4	915	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	51,875	4	39,000	4	26,267	4	13,332	4	746	4		4		4		4		4	
1/4	51,605	1/4	38,737	1/4	25,997	1/4	13,063	1/4	578	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	51,336	1/2	38,474	1/2	25,728	1/2	12,793	1/2	409	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	51,067	3/4	38,211	3/4	25,458	3/4	12,524	3/4	330	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	50,797	5	37,947	5	25,189	5	12,254	5	251	5		5		5		5		5	
1/4	50,528	1/4	37,684	1/4	24,919	1/4	11,985	1/4	173	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	50,259	1/2	37,421	1/2	24,650	1/2	11,715	1/2	94	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	49,989	3/4	37,158	3/4	24,380	3/4	11,446	3/4	---	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	49,720	6	36,895	6	24,111	6	11,176	6	---	6		6		6		6		6	
1/4	49,451	1/4	36,632	1/4	23,841	1/4	10,907	1/4	---	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	49,181	1/2	36,369	1/2	23,572	1/2	10,637	1/2	---	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	48,912	3/4	36,106	3/4	23,302	3/4	10,368	3/4	---	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	48,643	7	35,843	7	23,033	7	10,098	7	---	7		7		7		7		7	
1/4	48,373	1/4	35,580	1/4	22,764	1/4	9,828	1/4	---	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	48,104	1/2	35,317	1/2	22,494	1/2	9,559	1/2	---	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	47,835	3/4	35,054	3/4	22,225	3/4	9,289	3/4	---	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	47,565	8	34,791	8	21,955	8	9,019	8	---	8		8		8		8		8	
1/4	47,296	1/4	34,527	1/4	21,686	1/4	8,750	1/4	---	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	47,027	1/2	34,264	1/2	21,416	1/2	8,480	1/2	---	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	46,757	3/4	34,001	3/4	21,147	3/4	8,210	3/4	---	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	46,488	9	33,738	9	20,877	9	7,941	9	---	9		9		9		9		9	
1/4	46,219	1/4	33,475	1/4	20,608	1/4	7,671	1/4	---	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	45,949	1/2	33,212	1/2	20,338	1/2	7,401	1/2	---	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	45,680	3/4	32,949	3/4	20,069	3/4	7,132	3/4	---	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	45,411	10	32,686	10	19,799	10	6,862	10	---	10		10		10		10		10	
1/4	45,142	1/4	32,423	1/4	19,530	1/4	6,593	1/4	---	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	44,872	1/2	32,160	1/2	19,260	1/2	6,323	1/2	---	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	44,603	3/4	31,897	3/4	18,991	3/4	6,054	3/4	---	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	44,334	11	31,634	11	18,722	11	5,785	11	---	11		11		11		11		11	
1/4	44,064	1/4	31,371	1/4	18,452	1/4	5,516	1/4	---	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	43,795	1/2	31,107	1/2	18,183	1/2	5,246	1/2	---	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	43,526	3/4	30,840	3/4	17,913	3/4	4,978	3/4	---	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/10/2013 SW  
CALCULATED: 10/10/2013 CL  
PRINTED: 10/10/2013 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/2013

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



# BARGE "IB 1944"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-05 1/2"

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	
0		0	165,082	0	153,685	0	141,233	0	128,782	0	116,330	0	103,879	0	91,427	0	78,976	0	66,524
1/4		1/4	165,020	1/4	153,425	1/4	140,974	1/4	128,522	1/4	116,071	1/4	103,619	1/4	91,168	1/4	78,716	1/4	66,265
1/2		1/2	164,957	1/2	153,166	1/2	140,714	1/2	128,263	1/2	115,811	1/2	103,360	1/2	90,908	1/2	78,457	1/2	66,005
3/4		3/4	164,817	3/4	152,906	3/4	140,455	3/4	128,003	3/4	115,552	3/4	103,100	3/4	90,649	3/4	78,197	3/4	65,746
1		1	164,676	1	152,647	1	140,196	1	127,744	1	115,293	1	102,841	1	90,390	1	77,938	1	65,487
1/4		1/4	164,536	1/4	152,388	1/4	139,936	1/4	127,485	1/4	115,033	1/4	102,582	1/4	90,130	1/4	77,679	1/4	65,227
1/2		1/2	164,395	1/2	152,128	1/2	139,677	1/2	127,225	1/2	114,774	1/2	102,322	1/2	89,871	1/2	77,419	1/2	64,968
3/4		3/4	164,176	3/4	151,869	3/4	139,417	3/4	126,966	3/4	114,514	3/4	102,063	3/4	89,611	3/4	77,160	3/4	64,708
2		2	163,957	2	151,609	2	139,158	2	126,706	2	114,255	2	101,803	2	89,352	2	76,900	2	64,449
1/4		1/4	163,737	1/4	151,350	1/4	138,899	1/4	126,447	1/4	113,996	1/4	101,544	1/4	89,093	1/4	76,641	1/4	64,190
1/2		1/2	163,518	1/2	151,091	1/2	138,639	1/2	126,188	1/2	113,736	1/2	101,285	1/2	88,833	1/2	76,382	1/2	63,930
3/4		3/4	163,264	3/4	150,831	3/4	138,380	3/4	125,928	3/4	113,477	3/4	101,025	3/4	88,574	3/4	76,122	3/4	63,671
3		3	163,010	3	150,572	3	138,120	3	125,669	3	113,217	3	100,766	3	88,314	3	75,863	3	63,411
1/4		1/4	162,756	1/4	150,312	1/4	137,861	1/4	125,409	1/4	112,958	1/4	100,506	1/4	88,055	1/4	75,603	1/4	63,152
1/2		1/2	162,502	1/2	150,053	1/2	137,601	1/2	125,150	1/2	112,698	1/2	100,247	1/2	87,795	1/2	75,344	1/2	62,892
3/4		3/4	162,243	3/4	149,794	3/4	137,342	3/4	124,891	3/4	112,439	3/4	99,988	3/4	87,536	3/4	75,085	3/4	62,633
4		4	161,984	4	149,534	4	137,083	4	124,631	4	112,180	4	99,728	4	87,277	4	74,825	4	62,374
1/4		1/4	161,725	1/4	149,275	1/4	136,823	1/4	124,372	1/4	111,920	1/4	99,469	1/4	87,017	1/4	74,566	1/4	62,114
1/2		1/2	161,466	1/2	149,015	1/2	136,564	1/2	124,112	1/2	111,661	1/2	99,209	1/2	86,758	1/2	74,306	1/2	61,855
3/4		3/4	161,207	3/4	148,756	3/4	136,304	3/4	123,853	3/4	111,401	3/4	98,950	3/4	86,498	3/4	74,047	3/4	61,595
5		5	160,948	5	148,497	5	136,045	5	123,594	5	111,142	5	98,691	5	86,239	5	73,788	5	61,336
1/4		1/4	160,689	1/4	148,237	1/4	135,786	1/4	123,334	1/4	110,883	1/4	98,431	1/4	85,980	1/4	73,528	1/4	61,077
1/2		1/2	160,429	1/2	147,978	1/2	135,526	1/2	123,075	1/2	110,623	1/2	98,172	1/2	85,720	1/2	73,269	1/2	60,817
3/4		3/4	160,170	3/4	147,718	3/4	135,267	3/4	122,815	3/4	110,364	3/4	97,912	3/4	85,461	3/4	73,009	3/4	60,558
6		6	159,910	6	147,459	6	135,007	6	122,556	6	110,104	6	97,653	6	85,201	6	72,750	6	60,298
1/4		1/4	159,651	1/4	147,200	1/4	134,748	1/4	122,297	1/4	109,845	1/4	97,394	1/4	84,942	1/4	72,491	1/4	60,039
1/2		1/2	159,392	1/2	146,940	1/2	134,489	1/2	122,037	1/2	109,586	1/2	97,134	1/2	84,683	1/2	72,231	1/2	59,780
3/4		3/4	159,132	3/4	146,681	3/4	134,229	3/4	121,778	3/4	109,326	3/4	96,875	3/4	84,423	3/4	71,972	3/4	59,520
7		7	158,873	7	146,421	7	133,970	7	121,518	7	109,067	7	96,615	7	84,164	7	71,712	7	59,261
1/4		1/4	158,613	1/4	146,162	1/4	133,710	1/4	121,259	1/4	108,807	1/4	96,356	1/4	83,904	1/4	71,453	1/4	59,001
1/2		1/2	158,354	1/2	145,902	1/2	133,451	1/2	120,999	1/2	108,548	1/2	96,096	1/2	83,645	1/2	71,193	1/2	58,742
3/4		3/4	158,095	3/4	145,643	3/4	133,192	3/4	120,740	3/4	108,289	3/4	95,837	3/4	83,386	3/4	70,934	3/4	58,483
8		8	157,835	8	145,384	8	132,932	8	120,481	8	108,029	8	95,578	8	83,126	8	70,675	8	58,223
1/4		1/4	157,576	1/4	145,124	1/4	132,673	1/4	120,221	1/4	107,770	1/4	95,318	1/4	82,867	1/4	70,415	1/4	57,964
1/2		1/2	157,316	1/2	144,865	1/2	132,413	1/2	119,962	1/2	107,510	1/2	95,059	1/2	82,607	1/2	70,156	1/2	57,704
3/4		3/4	157,057	3/4	144,605	3/4	132,154	3/4	119,702	3/4	107,251	3/4	94,799	3/4	82,348	3/4	69,896	3/4	57,445
9		9	156,798	9	144,346	9	131,895	9	119,443	9	106,992	9	94,540	9	82,089	9	69,637	9	57,186
1/4		1/4	156,538	1/4	144,087	1/4	131,635	1/4	119,184	1/4	106,732	1/4	94,281	1/4	81,829	1/4	69,378	1/4	56,926
1/2		1/2	156,279	1/2	143,827	1/2	131,376	1/2	118,924	1/2	106,473	1/2	94,021	1/2	81,570	1/2	69,118	1/2	56,667
3/4		3/4	156,019	3/4	143,568	3/4	131,116	3/4	118,665	3/4	106,213	3/4	93,762	3/4	81,310	3/4	68,859	3/4	56,407
10		10	155,760	10	143,308	10	130,857	10	118,405	10	105,954	10	93,502	10	81,051	10	68,599	10	56,148
1/4		1/4	155,501	1/4	143,049	1/4	130,598	1/4	118,146	1/4	105,695	1/4	93,243	1/4	80,792	1/4	68,340	1/4	55,889
1/2		1/2	155,241	1/2	142,790	1/2	130,338	1/2	117,887	1/2	105,435	1/2	92,984	1/2	80,532	1/2	68,081	1/2	55,629
3/4		3/4	154,982	3/4	142,530	3/4	130,079	3/4	117,627	3/4	105,176	3/4	92,724	3/4	80,273	3/4	67,821	3/4	55,370
11		11	154,722	11	142,271	11	129,819	11	117,368	11	104,916	11	92,465	11	80,013	11	67,562	11	55,110
1/4		1/4	154,463	1/4	142,011	1/4	129,560	1/4	117,108	1/4	104,657	1/4	92,205	1/4	79,754	1/4	67,302	1/4	54,851
1/2	165,206	1/2	154,203	1/2	141,752	1/2	129,300	1/2	116,849	1/2	104,397	1/2	91,946	1/2	79,494	1/2	67,043	1/2	54,591
3/4	165,144	3/4	153,944	3/4	141,493	3/4	129,041	3/4	116,590	3/4	104,138	3/4	91,687	3/4	79,235	3/4	66,784	3/4	54,332

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 30'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "IB 1944"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-05 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	54,073	0	41,621	0	29,417	0	16,971	0	4,526	0		0		0		0		0	
1/4	53,813	1/4	41,362	1/4	29,160	1/4	16,711	1/4	4,268	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	53,554	1/2	41,102	1/2	28,903	1/2	16,452	1/2	4,010	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	53,294	3/4	40,843	3/4	28,644	3/4	16,193	3/4	3,753	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	53,035	1	40,584	1	28,384	1	15,933	1	3,496	1		1		1		1		1	
1/4	52,776	1/4	40,324	1/4	28,125	1/4	15,674	1/4	3,239	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	52,516	1/2	40,065	1/2	27,865	1/2	15,414	1/2	2,982	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	52,257	3/4	39,809	3/4	27,606	3/4	15,155	3/4	2,727	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	51,997	2	39,554	2	27,347	2	14,896	2	2,472	2		2		2		2		2	
1/4	51,738	1/4	39,298	1/4	27,087	1/4	14,636	1/4	2,217	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	51,479	1/2	39,043	1/2	26,828	1/2	14,377	1/2	1,962	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	51,219	3/4	38,790	3/4	26,568	3/4	14,117	3/4	1,732	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	50,960	3	38,536	3	26,309	3	13,858	3	1,502	3		3		3		3		3	
1/4	50,700	1/4	38,283	1/4	26,050	1/4	13,599	1/4	1,272	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	50,441	1/2	38,030	1/2	25,790	1/2	13,339	1/2	1,042	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	50,182	3/4	37,777	3/4	25,531	3/4	13,080	3/4	880	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	49,922	4	37,524	4	25,271	4	12,820	4	718	4		4		4		4		4	
1/4	49,663	1/4	37,271	1/4	25,012	1/4	12,561	1/4	556	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	49,403	1/2	37,018	1/2	24,753	1/2	12,302	1/2	394	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	49,144	3/4	36,765	3/4	24,493	3/4	12,042	3/4	318	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	48,885	5	36,512	5	24,234	5	11,783	5	242	5		5		5		5		5	
1/4	48,625	1/4	36,258	1/4	23,974	1/4	11,523	1/4	167	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	48,366	1/2	36,005	1/2	23,715	1/2	11,264	1/2	91	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	48,106	3/4	35,752	3/4	23,456	3/4	11,005	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	47,847	6	35,499	6	23,196	6	10,745	6		6		6		6		6		6	
1/4	47,588	1/4	35,246	1/4	22,937	1/4	10,486	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	47,328	1/2	34,993	1/2	22,677	1/2	10,226	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	47,069	3/4	34,740	3/4	22,418	3/4	9,967	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	46,809	7	34,487	7	22,159	7	9,708	7		7		7		7		7		7	
1/4	46,550	1/4	34,234	1/4	21,899	1/4	9,448	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	46,290	1/2	33,981	1/2	21,640	1/2	9,189	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	46,031	3/4	33,728	3/4	21,380	3/4	8,929	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	45,772	8	33,474	8	21,121	8	8,670	8		8		8		8		8		8	
1/4	45,512	1/4	33,221	1/4	20,862	1/4	8,411	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	45,253	1/2	32,968	1/2	20,602	1/2	8,151	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	44,993	3/4	32,715	3/4	20,343	3/4	7,892	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	44,734	9	32,462	9	20,084	9	7,633	9		9		9		9		9		9	
1/4	44,475	1/4	32,209	1/4	19,824	1/4	7,373	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	44,215	1/2	31,956	1/2	19,565	1/2	7,114	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	43,956	3/4	31,703	3/4	19,305	3/4	6,855	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	43,696	10	31,450	10	19,046	10	6,595	10		10		10		10		10		10	
1/4	43,437	1/4	31,197	1/4	18,787	1/4	6,336	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	43,178	1/2	30,944	1/2	18,527	1/2	6,077	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	42,918	3/4	30,690	3/4	18,268	3/4	5,818	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	42,659	11	30,437	11	18,008	11	5,559	11		11		11		11		11		11	
1/4	42,399	1/4	30,184	1/4	17,749	1/4	5,301	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	42,140	1/2	29,931	1/2	17,490	1/2	5,042	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	41,881	3/4	29,674	3/4	17,230	3/4	4,784	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/10/2013 SW  
CALCULATED: 10/10/2013 CL  
PRINTED: 10/10/2013 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/2013

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



# BARGE "IB 1944"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-06"

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	163,880	0	152,981	0	140,647	0	128,313	0	115,979	0	103,645	0	91,311	0	78,977	0	66,643
1/4	1/4	163,818	1/4	152,724	1/4	140,390	1/4	128,056	1/4	115,722	1/4	103,388	1/4	91,054	1/4	78,720	1/4	66,386	1/4
1/2	1/2	163,757	1/2	152,467	1/2	140,133	1/2	127,799	1/2	115,465	1/2	103,131	1/2	90,797	1/2	78,463	1/2	66,129	1/2
3/4	3/4	163,695	3/4	152,210	3/4	139,876	3/4	127,542	3/4	115,208	3/4	102,874	3/4	90,540	3/4	78,206	3/4	65,872	3/4
1		1	163,633	1	151,953	1	139,619	1	127,285	1	114,951	1	102,617	1	90,283	1	77,949	1	65,615
1/4	1/4	163,494	1/4	151,696	1/4	139,362	1/4	127,028	1/4	114,694	1/4	102,360	1/4	90,026	1/4	77,692	1/4	65,358	1/4
1/2	1/2	163,355	1/2	151,439	1/2	139,105	1/2	126,771	1/2	114,437	1/2	102,103	1/2	89,769	1/2	77,435	1/2	65,101	1/2
3/4	3/4	163,216	3/4	151,182	3/4	138,848	3/4	126,514	3/4	114,180	3/4	101,846	3/4	89,512	3/4	77,178	3/4	64,844	3/4
2		2	163,077	2	150,925	2	138,591	2	126,257	2	113,923	2	101,589	2	89,255	2	76,921	2	64,587
1/4	1/4	162,859	1/4	150,668	1/4	138,334	1/4	126,000	1/4	113,666	1/4	101,332	1/4	88,998	1/4	76,664	1/4	64,330	1/4
1/2	1/2	162,642	1/2	150,411	1/2	138,077	1/2	125,743	1/2	113,409	1/2	101,075	1/2	88,741	1/2	76,407	1/2	64,073	1/2
3/4	3/4	162,425	3/4	150,154	3/4	137,820	3/4	125,486	3/4	113,152	3/4	100,818	3/4	88,484	3/4	76,150	3/4	63,816	3/4
3		3	162,208	3	149,897	3	137,563	3	125,229	3	112,895	3	100,561	3	88,227	3	75,893	3	63,559
1/4	1/4	161,956	1/4	149,641	1/4	137,307	1/4	124,972	1/4	112,638	1/4	100,304	1/4	87,970	1/4	75,636	1/4	63,302	1/4
1/2	1/2	161,704	1/2	149,384	1/2	137,050	1/2	124,716	1/2	112,381	1/2	100,047	1/2	87,713	1/2	75,379	1/2	63,045	1/2
3/4	3/4	161,453	3/4	149,127	3/4	136,793	3/4	124,459	3/4	112,125	3/4	99,790	3/4	87,456	3/4	75,122	3/4	62,788	3/4
4		4	161,201	4	148,870	4	136,536	4	124,202	4	111,868	4	99,534	4	87,199	4	74,865	4	62,531
1/4	1/4	160,945	1/4	148,613	1/4	136,279	1/4	123,945	1/4	111,611	1/4	99,277	1/4	86,943	1/4	74,609	1/4	62,274	1/4
1/2	1/2	160,688	1/2	148,356	1/2	136,022	1/2	123,688	1/2	111,354	1/2	99,020	1/2	86,686	1/2	74,352	1/2	62,018	1/2
3/4	3/4	160,432	3/4	148,099	3/4	135,765	3/4	123,431	3/4	111,097	3/4	98,763	3/4	86,429	3/4	74,095	3/4	61,761	3/4
5		5	160,175	5	147,842	5	135,508	5	123,174	5	110,840	5	98,506	5	86,172	5	73,838	5	61,504
1/4	1/4	159,919	1/4	147,585	1/4	135,251	1/4	122,917	1/4	110,583	1/4	98,249	1/4	85,915	1/4	73,581	1/4	61,247	1/4
1/2	1/2	159,662	1/2	147,328	1/2	134,994	1/2	122,660	1/2	110,326	1/2	97,992	1/2	85,658	1/2	73,324	1/2	60,990	1/2
3/4	3/4	159,405	3/4	147,071	3/4	134,737	3/4	122,403	3/4	110,069	3/4	97,735	3/4	85,401	3/4	73,067	3/4	60,733	3/4
6		6	159,148	6	146,814	6	134,480	6	122,146	6	109,812	6	97,478	6	85,144	6	72,810	6	60,476
1/4	1/4	158,891	1/4	146,557	1/4	134,223	1/4	121,889	1/4	109,555	1/4	97,221	1/4	84,887	1/4	72,553	1/4	60,219	1/4
1/2	1/2	158,634	1/2	146,300	1/2	133,966	1/2	121,632	1/2	109,298	1/2	96,964	1/2	84,630	1/2	72,296	1/2	59,962	1/2
3/4	3/4	158,377	3/4	146,043	3/4	133,709	3/4	121,375	3/4	109,041	3/4	96,707	3/4	84,373	3/4	72,039	3/4	59,705	3/4
7		7	158,120	7	145,786	7	133,452	7	121,118	7	108,784	7	96,450	7	84,116	7	71,782	7	59,448
1/4	1/4	157,863	1/4	145,529	1/4	133,195	1/4	120,861	1/4	108,527	1/4	96,193	1/4	83,859	1/4	71,525	1/4	59,191	1/4
1/2	1/2	157,606	1/2	145,272	1/2	132,938	1/2	120,604	1/2	108,270	1/2	95,936	1/2	83,602	1/2	71,268	1/2	58,934	1/2
3/4	3/4	157,349	3/4	145,015	3/4	132,681	3/4	120,347	3/4	108,013	3/4	95,679	3/4	83,345	3/4	71,011	3/4	58,677	3/4
8		8	157,092	8	144,758	8	132,424	8	120,090	8	107,756	8	95,422	8	83,088	8	70,754	8	58,420
1/4	1/4	156,835	1/4	144,501	1/4	132,167	1/4	119,833	1/4	107,499	1/4	95,165	1/4	82,831	1/4	70,497	1/4	58,163	1/4
1/2	1/2	156,578	1/2	144,244	1/2	131,910	1/2	119,576	1/2	107,242	1/2	94,908	1/2	82,574	1/2	70,240	1/2	57,906	1/2
3/4	3/4	156,321	3/4	143,987	3/4	131,653	3/4	119,319	3/4	106,985	3/4	94,651	3/4	82,317	3/4	69,983	3/4	57,649	3/4
9		9	156,065	9	143,730	9	131,396	9	119,062	9	106,728	9	94,394	9	82,060	9	69,726	9	57,392
1/4	1/4	155,808	1/4	143,474	1/4	131,139	1/4	118,805	1/4	106,471	1/4	94,137	1/4	81,803	1/4	69,469	1/4	57,135	1/4
1/2	1/2	155,551	1/2	143,217	1/2	130,883	1/2	118,548	1/2	106,214	1/2	93,880	1/2	81,546	1/2	69,212	1/2	56,878	1/2
3/4	3/4	155,294	3/4	142,960	3/4	130,626	3/4	118,292	3/4	105,958	3/4	93,623	3/4	81,289	3/4	68,955	3/4	56,621	3/4
10		10	155,037	10	142,703	10	130,369	10	118,035	10	105,701	10	93,367	10	81,032	10	68,698	10	56,364
1/4	1/4	154,780	1/4	142,446	1/4	130,112	1/4	117,778	1/4	105,444	1/4	93,110	1/4	80,776	1/4	68,441	1/4	56,107	1/4
1/2	1/2	154,523	1/2	142,189	1/2	129,855	1/2	117,521	1/2	105,187	1/2	92,853	1/2	80,519	1/2	68,185	1/2	55,850	1/2
3/4	3/4	154,266	3/4	141,932	3/4	129,598	3/4	117,264	3/4	104,930	3/4	92,596	3/4	80,262	3/4	67,928	3/4	55,594	3/4
11		11	154,009	11	141,675	11	129,341	11	117,007	11	104,673	11	92,339	11	80,005	11	67,671	11	55,337
1/4	1/4	153,752	1/4	141,418	1/4	129,084	1/4	116,750	1/4	104,416	1/4	92,082	1/4	79,748	1/4	67,414	1/4	55,080	1/4
1/2	1/2	153,495	1/2	141,161	1/2	128,827	1/2	116,493	1/2	104,159	1/2	91,825	1/2	79,491	1/2	67,157	1/2	54,823	1/2
3/4	3/4	153,238	3/4	140,904	3/4	128,570	3/4	116,236	3/4	103,902	3/4	91,568	3/4	79,234	3/4	66,900	3/4	54,566	3/4

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 30'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "IB 1944"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-06"

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	54,309	0	41,975	0	29,658	0	17,325	0	4,994	0		0		0		0		0	
1/4	54,052	1/4	41,718	1/4	29,401	1/4	17,068	1/4	4,739	1/4		1/4		1/4		1/4		1/4	
1/2	53,795	1/2	41,461	1/2	29,144	1/2	16,811	1/2	4,483	1/2		1/2		1/2		1/2		1/2	
3/4	53,538	3/4	41,204	3/4	28,887	3/4	16,554	3/4	4,228	3/4		3/4		3/4		3/4		3/4	
1	53,281	1	40,947	1	28,631	1	16,297	1	3,972	1		1		1		1		1	
1/4	53,024	1/4	40,690	1/4	28,374	1/4	16,040	1/4	3,717	1/4		1/4		1/4		1/4		1/4	
1/2	52,767	1/2	40,433	1/2	28,117	1/2	15,783	1/2	3,463	1/2		1/2		1/2		1/2		1/2	
3/4	52,510	3/4	40,176	3/4	27,860	3/4	15,526	3/4	3,208	3/4		3/4		3/4		3/4		3/4	
2	52,253	2	39,919	2	27,603	2	15,269	2	2,954	2		2		2		2		2	
1/4	51,996	1/4	39,662	1/4	27,346	1/4	15,012	1/4	2,701	1/4		1/4		1/4		1/4		1/4	
1/2	51,739	1/2	39,406	1/2	27,089	1/2	14,755	1/2	2,449	1/2		1/2		1/2		1/2		1/2	
3/4	51,482	3/4	39,149	3/4	26,832	3/4	14,498	3/4	2,196	3/4		3/4		3/4		3/4		3/4	
3	51,225	3	38,892	3	26,575	3	14,241	3	1,944	3		3		3		3		3	
1/4	50,968	1/4	38,636	1/4	26,318	1/4	13,984	1/4	1,716	1/4		1/4		1/4		1/4		1/4	
1/2	50,711	1/2	38,379	1/2	26,061	1/2	13,727	1/2	1,488	1/2		1/2		1/2		1/2		1/2	
3/4	50,454	3/4	38,122	3/4	25,804	3/4	13,470	3/4	1,260	3/4		3/4		3/4		3/4		3/4	
4	50,197	4	37,866	4	25,547	4	13,214	4	1,032	4		4		4		4		4	
1/4	49,940	1/4	37,609	1/4	25,290	1/4	12,957	1/4	872	1/4		1/4		1/4		1/4		1/4	
1/2	49,683	1/2	37,353	1/2	25,033	1/2	12,700	1/2	711	1/2		1/2		1/2		1/2		1/2	
3/4	49,427	3/4	37,096	3/4	24,776	3/4	12,443	3/4	551	3/4		3/4		3/4		3/4		3/4	
5	49,170	5	36,840	5	24,519	5	12,186	5	390	5		5		5		5		5	
1/4	48,913	1/4	36,583	1/4	24,262	1/4	11,929	1/4	315	1/4		1/4		1/4		1/4		1/4	
1/2	48,656	1/2	36,327	1/2	24,005	1/2	11,672	1/2	240	1/2		1/2		1/2		1/2		1/2	
3/4	48,399	3/4	36,070	3/4	23,748	3/4	11,415	3/4	165	3/4		3/4		3/4		3/4		3/4	
6	48,142	6	35,814	6	23,492	6	11,158	6	90	6		6		6		6		6	
1/4	47,885	1/4	35,557	1/4	23,235	1/4	10,901	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	47,628	1/2	35,301	1/2	22,978	1/2	10,644	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	47,371	3/4	35,044	3/4	22,721	3/4	10,387	3/4		3/4		3/4		3/4		3/4		3/4	
7	47,114	7	34,788	7	22,464	7	10,130	7		7		7		7		7		7	
1/4	46,857	1/4	34,531	1/4	22,207	1/4	9,873	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	46,600	1/2	34,275	1/2	21,950	1/2	9,616	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	46,343	3/4	34,018	3/4	21,693	3/4	9,359	3/4		3/4		3/4		3/4		3/4		3/4	
8	46,086	8	33,762	8	21,436	8	9,102	8		8		8		8		8		8	
1/4	45,829	1/4	33,505	1/4	21,179	1/4	8,845	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	45,572	1/2	33,249	1/2	20,922	1/2	8,588	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	45,315	3/4	32,992	3/4	20,665	3/4	8,331	3/4		3/4		3/4		3/4		3/4		3/4	
9	45,058	9	32,736	9	20,408	9	8,075	9		9		9		9		9		9	
1/4	44,801	1/4	32,479	1/4	20,151	1/4	7,818	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	44,544	1/2	32,223	1/2	19,894	1/2	7,561	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	44,287	3/4	31,966	3/4	19,637	3/4	7,304	3/4		3/4		3/4		3/4		3/4		3/4	
10	44,030	10	31,710	10	19,380	10	7,047	10		10		10		10		10		10	
1/4	43,773	1/4	31,453	1/4	19,123	1/4	6,790	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	43,516	1/2	31,197	1/2	18,866	1/2	6,533	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	43,260	3/4	30,940	3/4	18,609	3/4	6,277	3/4		3/4		3/4		3/4		3/4		3/4	
11	43,003	11	30,684	11	18,353	11	6,020	11		11		11		11		11		11	
1/4	42,746	1/4	30,427	1/4	18,096	1/4	5,764	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	42,489	1/2	30,171	1/2	17,839	1/2	5,507	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	42,232	3/4	29,914	3/4	17,582	3/4	5,251	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/10/2013 SW  
CALCULATED: 10/10/2013 CL  
PRINTED: 10/10/2013 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/2013

PRECISION MEASUREMENT  
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