



# BARGE "IB 1083"

## ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 CENTER	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2
2 CENTER	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 00-3/4	00-3/4	- 00-7/8	00-7/8
3 CENTER	- 00-1/8	00-1/8	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-7/8	00-7/8	- 01-0/8	01-0/8

(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 4'-00 1/4"

LENGTH BETWEEN DRAFT MARKS: 163'-00"

August 6, 2015

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

<http://www.pmacorp.net>



# BARGE "IB 1083"

## 1 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	168,547	0	157,834	0	147,143	0	136,452	0	125,762	0	114,039	0	101,543	0	89,048	0	76,552
1/4		1/4	168,493	1/4	157,611	1/4	146,921	1/4	136,230	1/4	125,539	1/4	113,778	1/4	101,283	1/4	88,787	1/4	76,292
1/2		1/2	168,439	1/2	157,389	1/2	146,698	1/2	136,007	1/2	125,316	1/2	113,518	1/2	101,022	1/2	88,527	1/2	76,031
3/4		3/4	168,386	3/4	157,166	3/4	146,475	3/4	135,784	3/4	125,093	3/4	113,258	3/4	100,762	3/4	88,267	3/4	75,771
1		1	168,255	1	156,943	1	146,252	1	135,562	1	124,871	1	112,997	1	100,502	1	88,007	1	75,511
1/4		1/4	168,125	1/4	156,721	1/4	146,030	1/4	135,339	1/4	124,648	1/4	112,737	1/4	100,241	1/4	87,746	1/4	75,250
1/2		1/2	167,995	1/2	156,498	1/2	145,807	1/2	135,116	1/2	124,425	1/2	112,477	1/2	99,981	1/2	87,486	1/2	74,990
3/4		3/4	167,864	3/4	156,275	3/4	145,584	3/4	134,893	3/4	124,202	3/4	112,216	3/4	99,721	3/4	87,226	3/4	74,730
2		2	167,651	2	156,052	2	145,362	2	134,671	2	123,980	2	111,956	2	99,461	2	86,965	2	74,469
1/4		1/4	167,439	1/4	155,830	1/4	145,139	1/4	134,448	1/4	123,757	1/4	111,696	1/4	99,200	1/4	86,705	1/4	74,209
1/2		1/2	167,226	1/2	155,607	1/2	144,916	1/2	134,225	1/2	123,534	1/2	111,435	1/2	98,940	1/2	86,445	1/2	73,949
3/4		3/4	167,013	3/4	155,384	3/4	144,693	3/4	134,002	3/4	123,312	3/4	111,175	3/4	98,680	3/4	86,184	3/4	73,688
3		3	166,760	3	155,161	3	144,471	3	133,780	3	123,089	3	110,915	3	98,419	3	85,924	3	73,428
1/4		1/4	166,507	1/4	154,939	1/4	144,248	1/4	133,557	1/4	122,866	1/4	110,654	1/4	98,159	1/4	85,664	1/4	73,168
1/2		1/2	166,253	1/2	154,716	1/2	144,025	1/2	133,334	1/2	122,643	1/2	110,394	1/2	97,899	1/2	85,403	1/2	72,907
3/4		3/4	166,000	3/4	154,493	3/4	143,802	3/4	133,112	3/4	122,421	3/4	110,134	3/4	97,638	3/4	85,143	3/4	72,647
4		4	165,740	4	154,271	4	143,580	4	132,889	4	122,198	4	109,873	4	97,378	4	84,883	4	72,387
1/4		1/4	165,480	1/4	154,048	1/4	143,357	1/4	132,666	1/4	121,976	1/4	109,613	1/4	97,118	1/4	84,622	1/4	72,126
1/2		1/2	165,220	1/2	153,825	1/2	143,134	1/2	132,443	1/2	121,753	1/2	109,353	1/2	96,858	1/2	84,362	1/2	71,866
3/4		3/4	164,960	3/4	153,602	3/4	142,912	3/4	132,221	3/4	121,531	3/4	109,092	3/4	96,597	3/4	84,102	3/4	71,606
5		5	164,699	5	153,380	5	142,689	5	131,998	5	121,285	5	108,832	5	96,337	5	83,841	5	71,346
1/4		1/4	164,438	1/4	153,157	1/4	142,466	1/4	131,775	1/4	121,039	1/4	108,572	1/4	96,077	1/4	83,581	1/4	71,086
1/2		1/2	164,178	1/2	152,934	1/2	142,243	1/2	131,552	1/2	120,793	1/2	108,311	1/2	95,816	1/2	83,321	1/2	70,826
3/4		3/4	163,917	3/4	152,711	3/4	142,021	3/4	131,330	3/4	120,547	3/4	108,051	3/4	95,556	3/4	83,060	3/4	70,566
6		6	163,656	6	152,489	6	141,798	6	131,107	6	120,287	6	107,791	6	95,296	6	82,800	6	70,306
1/4		1/4	163,395	1/4	152,266	1/4	141,575	1/4	130,884	1/4	120,026	1/4	107,530	1/4	95,035	1/4	82,540	1/4	70,046
1/2		1/2	163,134	1/2	152,043	1/2	141,352	1/2	130,662	1/2	119,766	1/2	107,270	1/2	94,775	1/2	82,279	1/2	69,787
3/4		3/4	162,874	3/4	151,821	3/4	141,130	3/4	130,439	3/4	119,506	3/4	107,010	3/4	94,515	3/4	82,019	3/4	69,527
7		7	162,613	7	151,598	7	140,907	7	130,216	7	119,245	7	106,749	7	94,254	7	81,759	7	69,267
1/4		1/4	162,352	1/4	151,375	1/4	140,684	1/4	129,993	1/4	118,985	1/4	106,489	1/4	93,994	1/4	81,498	1/4	69,008
1/2		1/2	162,091	1/2	151,152	1/2	140,462	1/2	129,771	1/2	118,725	1/2	106,229	1/2	93,734	1/2	81,238	1/2	68,748
3/4		3/4	161,830	3/4	150,930	3/4	140,239	3/4	129,548	3/4	118,464	3/4	105,968	3/4	93,473	3/4	80,978	3/4	68,488
8		8	161,569	8	150,707	8	140,016	8	129,325	8	118,204	8	105,708	8	93,213	8	80,717	8	68,228
1/4		1/4	161,308	1/4	150,484	1/4	139,793	1/4	129,102	1/4	117,944	1/4	105,448	1/4	92,953	1/4	80,457	1/4	67,969
1/2		1/2	161,048	1/2	150,261	1/2	139,571	1/2	128,880	1/2	117,683	1/2	105,187	1/2	92,692	1/2	80,197	1/2	67,709
3/4		3/4	160,787	3/4	150,039	3/4	139,348	3/4	128,657	3/4	117,423	3/4	104,927	3/4	92,432	3/4	79,936	3/4	67,449
9		9	160,550	9	149,816	9	139,125	9	128,434	9	117,163	9	104,667	9	92,172	9	79,676	9	67,189
1/4		1/4	160,313	1/4	149,593	1/4	138,902	1/4	128,212	1/4	116,902	1/4	104,406	1/4	91,911	1/4	79,416	1/4	66,930
1/2		1/2	160,076	1/2	149,371	1/2	138,680	1/2	127,989	1/2	116,642	1/2	104,146	1/2	91,651	1/2	79,155	1/2	66,670
3/4		3/4	159,839	3/4	149,148	3/4	138,457	3/4	127,766	3/4	116,382	3/4	103,886	3/4	91,391	3/4	78,895	3/4	66,410
10		10	159,616	10	148,925	10	138,234	10	127,543	10	116,121	10	103,625	10	91,130	10	78,635	10	66,151
1/4		1/4	159,393	1/4	148,702	1/4	138,012	1/4	127,321	1/4	115,861	1/4	103,365	1/4	90,870	1/4	78,374	1/4	65,891
1/2		1/2	159,171	1/2	148,480	1/2	137,789	1/2	127,098	1/2	115,601	1/2	103,105	1/2	90,610	1/2	78,114	1/2	65,631
3/4		3/4	158,948	3/4	148,257	3/4	137,566	3/4	126,875	3/4	115,340	3/4	102,845	3/4	90,349	3/4	77,854	3/4	65,371
11		11	158,725	11	148,034	11	137,343	11	126,652	11	115,080	11	102,584	11	90,089	11	77,593	11	65,112
1/4		1/4	158,502	1/4	147,811	1/4	137,121	1/4	126,430	1/4	114,820	1/4	102,324	1/4	89,829	1/4	77,333	1/4	64,852
1/2		1/2	158,280	1/2	147,589	1/2	136,898	1/2	126,207	1/2	114,559	1/2	102,064	1/2	89,568	1/2	77,073	1/2	64,592
3/4		3/4	158,000	3/4	147,366	3/4	136,675	3/4	125,984	3/4	114,299	3/4	101,803	3/4	89,308	3/4	76,812	3/4	64,332

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 INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE  
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 31'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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# BARGE "IB 1083"

## 1 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	64,073	0	51,589	0	39,121	0	26,858	0	14,361	0	1,890	0		0		0		0	
1/4	63,813	1/4	51,329	1/4	38,867	1/4	26,597	1/4	14,101	1/4	1,657	1/4		1/4		1/4		1/4	
1/2	63,553	1/2	51,069	1/2	38,613	1/2	26,337	1/2	13,841	1/2	1,424	1/2		1/2		1/2		1/2	
3/4	63,294	3/4	50,808	3/4	38,359	3/4	26,077	3/4	13,580	3/4	1,191	3/4		3/4		3/4		3/4	
1	63,034	1	50,548	1	38,105	1	25,816	1	13,320	1	1,028	1		1		1		1	
1/4	62,774	1/4	50,288	1/4	37,851	1/4	25,556	1/4	13,060	1/4	865	1/4		1/4		1/4		1/4	
1/2	62,514	1/2	50,028	1/2	37,597	1/2	25,296	1/2	12,799	1/2	702	1/2		1/2		1/2		1/2	
3/4	62,255	3/4	49,768	3/4	37,343	3/4	25,035	3/4	12,539	3/4	539	3/4		3/4		3/4		3/4	
2	61,995	2	49,507	2	37,089	2	24,775	2	12,279	2	463	2		2		2		2	
1/4	61,735	1/4	49,247	1/4	36,835	1/4	24,515	1/4	12,018	1/4	387	1/4		1/4		1/4		1/4	
1/2	61,475	1/2	48,987	1/2	36,581	1/2	24,254	1/2	11,758	1/2	311	1/2		1/2		1/2		1/2	
3/4	61,216	3/4	48,727	3/4	36,327	3/4	23,994	3/4	11,498	3/4	235	3/4		3/4		3/4		3/4	
3	60,956	3	48,467	3	36,073	3	23,734	3	11,237	3		3		3		3		3	
1/4	60,696	1/4	48,206	1/4	35,820	1/4	23,473	1/4	10,977	1/4		1/4		1/4		1/4		1/4	
1/2	60,436	1/2	47,946	1/2	35,566	1/2	23,213	1/2	10,717	1/2		1/2		1/2		1/2		1/2	
3/4	60,176	3/4	47,686	3/4	35,312	3/4	22,953	3/4	10,456	3/4		3/4		3/4		3/4		3/4	
4	59,915	4	47,426	4	35,058	4	22,692	4	10,196	4		4		4		4		4	
1/4	59,655	1/4	47,166	1/4	34,804	1/4	22,432	1/4	9,935	1/4		1/4		1/4		1/4		1/4	
1/2	59,395	1/2	46,905	1/2	34,550	1/2	22,172	1/2	9,675	1/2		1/2		1/2		1/2		1/2	
3/4	59,135	3/4	46,645	3/4	34,296	3/4	21,911	3/4	9,414	3/4		3/4		3/4		3/4		3/4	
5	58,875	5	46,385	5	34,042	5	21,651	5	9,154	5		5		5		5		5	
1/4	58,614	1/4	46,125	1/4	33,788	1/4	21,391	1/4	8,893	1/4		1/4		1/4		1/4		1/4	
1/2	58,354	1/2	45,865	1/2	33,534	1/2	21,130	1/2	8,632	1/2		1/2		1/2		1/2		1/2	
3/4	58,094	3/4	45,604	3/4	33,280	3/4	20,870	3/4	8,372	3/4		3/4		3/4		3/4		3/4	
6	57,834	6	45,344	6	33,026	6	20,610	6	8,111	6		6		6		6		6	
1/4	57,574	1/4	45,084	1/4	32,772	1/4	20,349	1/4	7,851	1/4		1/4		1/4		1/4		1/4	
1/2	57,313	1/2	44,824	1/2	32,518	1/2	20,089	1/2	7,590	1/2		1/2		1/2		1/2		1/2	
3/4	57,053	3/4	44,564	3/4	32,264	3/4	19,829	3/4	7,330	3/4		3/4		3/4		3/4		3/4	
7	56,793	7	44,303	7	32,010	7	19,568	7	7,069	7		7		7		7		7	
1/4	56,533	1/4	44,043	1/4	31,756	1/4	19,308	1/4	6,809	1/4		1/4		1/4		1/4		1/4	
1/2	56,273	1/2	43,783	1/2	31,502	1/2	19,048	1/2	6,548	1/2		1/2		1/2		1/2		1/2	
3/4	56,012	3/4	43,523	3/4	31,248	3/4	18,787	3/4	6,288	3/4		3/4		3/4		3/4		3/4	
8	55,752	8	43,263	8	30,994	8	18,527	8	6,027	8		8		8		8		8	
1/4	55,492	1/4	43,002	1/4	30,740	1/4	18,267	1/4	5,766	1/4		1/4		1/4		1/4		1/4	
1/2	55,232	1/2	42,742	1/2	30,487	1/2	18,006	1/2	5,505	1/2		1/2		1/2		1/2		1/2	
3/4	54,972	3/4	42,482	3/4	30,233	3/4	17,746	3/4	5,245	3/4		3/4		3/4		3/4		3/4	
9	54,711	9	42,222	9	29,975	9	17,486	9	4,984	9		9		9		9		9	
1/4	54,451	1/4	41,962	1/4	29,717	1/4	17,225	1/4	4,723	1/4		1/4		1/4		1/4		1/4	
1/2	54,191	1/2	41,701	1/2	29,459	1/2	16,965	1/2	4,462	1/2		1/2		1/2		1/2		1/2	
3/4	53,931	3/4	41,441	3/4	29,201	3/4	16,705	3/4	4,201	3/4		3/4		3/4		3/4		3/4	
10	53,671	10	41,181	10	28,940	10	16,444	10	3,941	10		10		10		10		10	
1/4	53,410	1/4	40,921	1/4	28,680	1/4	16,184	1/4	3,681	1/4		1/4		1/4		1/4		1/4	
1/2	53,150	1/2	40,661	1/2	28,420	1/2	15,924	1/2	3,420	1/2		1/2		1/2		1/2		1/2	
3/4	52,890	3/4	40,400	3/4	28,159	3/4	15,663	3/4	3,160	3/4		3/4		3/4		3/4		3/4	
11	52,630	11	40,144	11	27,899	11	15,403	11	2,900	11		11		11		11		11	
1/4	52,370	1/4	39,888	1/4	27,639	1/4	15,143	1/4	2,641	1/4		1/4		1/4		1/4		1/4	
1/2	52,109	1/2	39,631	1/2	27,378	1/2	14,882	1/2	2,382	1/2		1/2		1/2		1/2		1/2	
3/4	51,849	3/4	39,375	3/4	27,118	3/4	14,622	3/4	2,122	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/05/2015 CL  
CALCULATED: 08/06/2015 CL  
PRINTED: 08/06/2015 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2015

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





# BARGE "IB 1083"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-03"

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	154,831	0	145,170	0	134,118	0	123,065	0	112,013	0	100,961	0	89,908	0	78,856	0	67,804
1/4		1/4	154,783	1/4	144,940	1/4	133,887	1/4	122,835	1/4	111,783	1/4	100,731	1/4	89,858	1/4	78,814	1/4	67,757
1/2		1/2	154,736	1/2	144,710	1/2	133,657	1/2	122,605	1/2	111,553	1/2	100,500	1/2	89,628	1/2	78,589	1/2	67,530
3/4		3/4	154,689	3/4	144,479	3/4	133,427	3/4	122,375	3/4	111,322	3/4	100,270	3/4	89,401	3/4	78,362	3/4	67,303
1		1	154,641	1	144,249	1	133,197	1	122,144	1	111,092	1	100,040	1	88,987	1	77,935	1	66,883
1/4		1/4	154,526	1/4	144,019	1/4	132,966	1/4	121,914	1/4	110,862	1/4	99,810	1/4	88,757	1/4	77,705	1/4	66,653
1/2		1/2	154,411	1/2	143,788	1/2	132,736	1/2	121,684	1/2	110,632	1/2	99,579	1/2	88,527	1/2	77,475	1/2	66,422
3/4		3/4	154,296	3/4	143,558	3/4	132,506	3/4	121,454	3/4	110,401	3/4	99,349	3/4	88,297	3/4	77,244	3/4	66,192
2		2	154,181	2	143,328	2	132,276	2	121,223	2	110,171	2	99,119	2	88,066	2	77,014	2	65,962
1/4		1/4	153,993	1/4	143,098	1/4	132,045	1/4	120,993	1/4	109,941	1/4	98,888	1/4	87,836	1/4	76,784	1/4	65,732
1/2		1/2	153,805	1/2	142,867	1/2	131,815	1/2	120,763	1/2	109,711	1/2	98,658	1/2	87,606	1/2	76,554	1/2	65,501
3/4		3/4	153,617	3/4	142,637	3/4	131,585	3/4	120,533	3/4	109,480	3/4	98,428	3/4	87,376	3/4	76,323	3/4	65,271
3		3	153,429	3	142,407	3	131,355	3	120,302	3	109,250	3	98,198	3	87,145	3	76,093	3	65,041
1/4		1/4	153,206	1/4	142,177	1/4	131,124	1/4	120,072	1/4	109,020	1/4	97,967	1/4	86,915	1/4	75,863	1/4	64,811
1/2		1/2	152,982	1/2	141,946	1/2	130,894	1/2	119,842	1/2	108,790	1/2	97,737	1/2	86,685	1/2	75,633	1/2	64,580
3/4		3/4	152,759	3/4	141,716	3/4	130,664	3/4	119,612	3/4	108,559	3/4	97,507	3/4	86,455	3/4	75,402	3/4	64,350
4		4	152,535	4	141,486	4	130,434	4	119,381	4	108,329	4	97,277	4	86,224	4	75,172	4	64,120
1/4		1/4	152,306	1/4	141,256	1/4	130,203	1/4	119,151	1/4	108,099	1/4	97,046	1/4	85,994	1/4	74,942	1/4	63,890
1/2		1/2	152,076	1/2	141,025	1/2	129,973	1/2	118,921	1/2	107,868	1/2	96,816	1/2	85,764	1/2	74,712	1/2	63,659
3/4		3/4	151,846	3/4	140,795	3/4	129,743	3/4	118,691	3/4	107,638	3/4	96,586	3/4	85,534	3/4	74,481	3/4	63,429
5		5	151,617	5	140,565	5	129,513	5	118,460	5	107,408	5	96,356	5	85,303	5	74,251	5	63,199
1/4		1/4	151,387	1/4	140,335	1/4	129,282	1/4	118,230	1/4	107,178	1/4	96,125	1/4	85,073	1/4	74,021	1/4	62,968
1/2		1/2	151,156	1/2	140,104	1/2	129,052	1/2	118,000	1/2	106,947	1/2	95,895	1/2	84,843	1/2	73,791	1/2	62,738
3/4		3/4	150,926	3/4	139,874	3/4	128,822	3/4	117,770	3/4	106,717	3/4	95,665	3/4	84,613	3/4	73,560	3/4	62,508
6		6	150,696	6	139,644	6	128,592	6	117,539	6	106,487	6	95,435	6	84,382	6	73,330	6	62,278
1/4		1/4	150,466	1/4	139,414	1/4	128,361	1/4	117,309	1/4	106,257	1/4	95,204	1/4	84,152	1/4	73,100	1/4	62,047
1/2		1/2	150,236	1/2	139,183	1/2	128,131	1/2	117,079	1/2	106,026	1/2	94,974	1/2	83,922	1/2	72,870	1/2	61,817
3/4		3/4	150,005	3/4	138,953	3/4	127,901	3/4	116,848	3/4	105,796	3/4	94,744	3/4	83,692	3/4	72,639	3/4	61,587
7		7	149,775	7	138,723	7	127,671	7	116,618	7	105,566	7	94,514	7	83,461	7	72,409	7	61,357
1/4		1/4	149,545	1/4	138,493	1/4	127,440	1/4	116,388	1/4	105,336	1/4	94,283	1/4	83,231	1/4	72,179	1/4	61,126
1/2		1/2	149,315	1/2	138,262	1/2	127,210	1/2	116,158	1/2	105,105	1/2	94,053	1/2	83,001	1/2	71,948	1/2	60,896
3/4		3/4	149,084	3/4	138,032	3/4	126,980	3/4	115,927	3/4	104,875	3/4	93,823	3/4	82,771	3/4	71,718	3/4	60,666
8		8	148,854	8	137,802	8	126,750	8	115,697	8	104,645	8	93,593	8	82,540	8	71,488	8	60,436
1/4		1/4	148,624	1/4	137,572	1/4	126,519	1/4	115,467	1/4	104,415	1/4	93,362	1/4	82,310	1/4	71,258	1/4	60,205
1/2		1/2	148,394	1/2	137,341	1/2	126,289	1/2	115,237	1/2	104,184	1/2	93,132	1/2	82,080	1/2	71,027	1/2	59,975
3/4		3/4	148,163	3/4	137,111	3/4	126,059	3/4	115,006	3/4	103,954	3/4	92,902	3/4	81,850	3/4	70,797	3/4	59,745
9		9	147,933	9	136,881	9	125,828	9	114,776	9	103,724	9	92,672	9	81,619	9	70,567	9	59,515
1/4		1/4	147,703	1/4	136,651	1/4	125,598	1/4	114,546	1/4	103,494	1/4	92,441	1/4	81,389	1/4	70,337	1/4	59,284
1/2		1/2	147,473	1/2	136,420	1/2	125,368	1/2	114,316	1/2	103,263	1/2	92,211	1/2	81,159	1/2	70,106	1/2	59,054
3/4		3/4	147,242	3/4	136,190	3/4	125,138	3/4	114,085	3/4	103,033	3/4	91,981	3/4	80,928	3/4	69,876	3/4	58,824
10		10	147,012	10	135,960	10	124,907	10	113,855	10	102,803	10	91,751	10	80,698	10	69,646	10	58,594
1/4		1/4	146,782	1/4	135,730	1/4	124,677	1/4	113,625	1/4	102,573	1/4	91,520	1/4	80,468	1/4	69,416	1/4	58,363
1/2		1/2	146,552	1/2	135,499	1/2	124,447	1/2	113,395	1/2	102,342	1/2	91,290	1/2	80,238	1/2	69,185	1/2	58,133
3/4		3/4	146,321	3/4	135,269	3/4	124,217	3/4	113,164	3/4	102,112	3/4	91,060	3/4	80,007	3/4	68,955	3/4	57,903
11		11	146,091	11	135,039	11	123,986	11	112,934	11	101,882	11	90,830	11	79,777	11	68,725	11	57,673
1/4		1/4	145,861	1/4	134,808	1/4	123,756	1/4	112,704	1/4	101,652	1/4	90,599	1/4	79,547	1/4	68,495	1/4	57,442
1/2		1/2	145,631	1/2	134,578	1/2	123,526	1/2	112,474	1/2	101,421	1/2	90,369	1/2	79,317	1/2	68,264	1/2	57,212
3/4		3/4	145,400	3/4	134,348	3/4	123,296	3/4	112,243	3/4	101,191	3/4	90,139	3/4	79,086	3/4	68,034	3/4	56,982

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 INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE  
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 24'-06" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
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# BARGE "IB 1083"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-03"

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	56,752	0	45,699	0	34,663	0	23,846	0	12,795	0	1,750	0		0					
1/4	56,521	1/4	45,469	1/4	34,439	1/4	23,616	1/4	12,564	1/4	1,544	1/4		1/4					1/4
1/2	56,291	1/2	45,239	1/2	34,215	1/2	23,386	1/2	12,334	1/2	1,339	1/2		1/2					1/2
3/4	56,061	3/4	45,008	3/4	33,991	3/4	23,156	3/4	12,104	3/4	1,133	3/4		3/4					3/4
1	55,831	1	44,778	1	33,767	1	22,926	1	11,874	1	928	1		1					1
1/4	55,600	1/4	44,548	1/4	33,543	1/4	22,695	1/4	11,643	1/4	784	1/4		1/4					1/4
1/2	55,370	1/2	44,318	1/2	33,319	1/2	22,465	1/2	11,413	1/2	640	1/2		1/2					1/2
3/4	55,140	3/4	44,087	3/4	33,095	3/4	22,235	3/4	11,183	3/4	496	3/4		3/4					3/4
2	54,910	2	43,857	2	32,871	2	22,005	2	10,953	2	352	2		2					2
1/4	54,679	1/4	43,627	1/4	32,647	1/4	21,774	1/4	10,722	1/4	285	1/4		1/4					1/4
1/2	54,449	1/2	43,397	1/2	32,423	1/2	21,544	1/2	10,492	1/2	218	1/2		1/2					1/2
3/4	54,219	3/4	43,166	3/4	32,199	3/4	21,314	3/4	10,262	3/4	151	3/4		3/4					3/4
3	53,988	3	42,936	3	31,975	3	21,084	3	10,032	3	84	3		3					3
1/4	53,758	1/4	42,706	1/4	31,751	1/4	20,853	1/4	9,801	1/4		1/4		1/4					1/4
1/2	53,528	1/2	42,476	1/2	31,527	1/2	20,623	1/2	9,571	1/2		1/2		1/2					1/2
3/4	53,298	3/4	42,245	3/4	31,303	3/4	20,393	3/4	9,341	3/4		3/4		3/4					3/4
4	53,067	4	42,015	4	31,079	4	20,163	4	9,111	4		4		4					4
1/4	52,837	1/4	41,785	1/4	30,855	1/4	19,932	1/4	8,880	1/4		1/4		1/4					1/4
1/2	52,607	1/2	41,555	1/2	30,631	1/2	19,702	1/2	8,650	1/2		1/2		1/2					1/2
3/4	52,377	3/4	41,324	3/4	30,407	3/4	19,472	3/4	8,420	3/4		3/4		3/4					3/4
5	52,146	5	41,094	5	30,183	5	19,242	5	8,190	5		5		5					5
1/4	51,916	1/4	40,864	1/4	29,959	1/4	19,011	1/4	7,959	1/4		1/4		1/4					1/4
1/2	51,686	1/2	40,634	1/2	29,735	1/2	18,781	1/2	7,729	1/2		1/2		1/2					1/2
3/4	51,456	3/4	40,403	3/4	29,511	3/4	18,551	3/4	7,499	3/4		3/4		3/4					3/4
6	51,225	6	40,173	6	29,287	6	18,321	6	7,269	6		6		6					6
1/4	50,995	1/4	39,943	1/4	29,063	1/4	18,090	1/4	7,038	1/4		1/4		1/4					1/4
1/2	50,765	1/2	39,713	1/2	28,840	1/2	17,860	1/2	6,808	1/2		1/2		1/2					1/2
3/4	50,535	3/4	39,482	3/4	28,616	3/4	17,630	3/4	6,578	3/4		3/4		3/4					3/4
7	50,304	7	39,252	7	28,392	7	17,400	7	6,348	7		7		7					7
1/4	50,074	1/4	39,022	1/4	28,168	1/4	17,169	1/4	6,118	1/4		1/4		1/4					1/4
1/2	49,844	1/2	38,792	1/2	27,944	1/2	16,939	1/2	5,887	1/2		1/2		1/2					1/2
3/4	49,614	3/4	38,561	3/4	27,720	3/4	16,709	3/4	5,657	3/4		3/4		3/4					3/4
8	49,383	8	38,331	8	27,496	8	16,479	8	5,427	8		8		8					8
1/4	49,153	1/4	38,101	1/4	27,272	1/4	16,248	1/4	5,197	1/4		1/4		1/4					1/4
1/2	48,923	1/2	37,871	1/2	27,048	1/2	16,018	1/2	4,966	1/2		1/2		1/2					1/2
3/4	48,693	3/4	37,640	3/4	26,824	3/4	15,788	3/4	4,736	3/4		3/4		3/4					3/4
9	48,462	9	37,410	9	26,600	9	15,558	9	4,506	9		9		9					9
1/4	48,232	1/4	37,180	1/4	26,372	1/4	15,327	1/4	4,276	1/4		1/4		1/4					1/4
1/2	48,002	1/2	36,950	1/2	26,144	1/2	15,097	1/2	4,045	1/2		1/2		1/2					1/2
3/4	47,772	3/4	36,719	3/4	25,916	3/4	14,867	3/4	3,815	3/4		3/4		3/4					3/4
10	47,541	10	36,489	10	25,688	10	14,637	10	3,585	10		10		10					10
1/4	47,311	1/4	36,259	1/4	25,458	1/4	14,406	1/4	3,355	1/4		1/4		1/4					1/4
1/2	47,081	1/2	36,028	1/2	25,228	1/2	14,176	1/2	3,125	1/2		1/2		1/2					1/2
3/4	46,851	3/4	35,798	3/4	24,998	3/4	13,946	3/4	2,895	3/4		3/4		3/4					3/4
11	46,620	11	35,568	11	24,767	11	13,716	11	2,666	11		11		11					11
1/4	46,390	1/4	35,342	1/4	24,537	1/4	13,485	1/4	2,437	1/4		1/4		1/4					1/4
1/2	46,160	1/2	35,115	1/2	24,307	1/2	13,255	1/2	2,208	1/2		1/2		1/2					1/2
3/4	45,930	3/4	34,889	3/4	24,077	3/4	13,025	3/4	1,979	3/4		3/4		3/4					3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/05/2015 CL  
CALCULATED: 08/06/2015 CL  
PRINTED: 08/06/2015 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2015

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
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# BARGE "IB 1083"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-03"

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	153,935	0	144,344	0	133,373	0	122,401	0	111,429	0	100,457	0	89,486	0	78,514	0	67,542	
1/4	1/4	153,888	1/4	144,116	1/4	133,144	1/4	122,172	1/4	111,201	1/4	100,229	1/4	89,257	1/4	78,285	1/4	67,314	
1/2	1/2	153,841	1/2	143,887	1/2	132,916	1/2	121,944	1/2	110,972	1/2	100,000	1/2	89,029	1/2	78,057	1/2	67,085	
3/4	3/4	153,794	3/4	143,659	3/4	132,687	3/4	121,715	3/4	110,743	3/4	99,772	3/4	88,800	3/4	77,828	3/4	66,856	
1	1	153,747	1	143,430	1	132,458	1	121,487	1	110,515	1	99,543	1	88,571	1	77,600	1	66,628	
1/4	1/4	153,632	1/4	143,202	1/4	132,230	1/4	121,258	1/4	110,286	1/4	99,315	1/4	88,343	1/4	77,371	1/4	66,399	
1/2	1/2	153,518	1/2	142,973	1/2	132,001	1/2	121,029	1/2	110,058	1/2	99,086	1/2	88,114	1/2	77,142	1/2	66,171	
3/4	3/4	153,404	3/4	142,744	3/4	131,773	3/4	120,801	3/4	109,829	3/4	98,857	3/4	87,886	3/4	76,914	3/4	65,942	
2	2	153,289	2	142,516	2	131,544	2	120,572	2	109,601	2	98,629	2	87,657	2	76,685	2	65,714	
1/4	1/4	153,103	1/4	142,287	1/4	131,315	1/4	120,344	1/4	109,372	1/4	98,400	1/4	87,428	1/4	76,457	1/4	65,485	
1/2	1/2	152,917	1/2	142,059	1/2	131,087	1/2	120,115	1/2	109,143	1/2	98,172	1/2	87,200	1/2	76,228	1/2	65,256	
3/4	3/4	152,730	3/4	141,830	3/4	130,858	3/4	119,887	3/4	108,915	3/4	97,943	3/4	86,971	3/4	76,000	3/4	65,028	
3	3	152,544	3	141,602	3	130,630	3	119,658	3	108,686	3	97,714	3	86,743	3	75,771	3	64,799	
1/4	1/4	152,322	1/4	141,373	1/4	130,401	1/4	119,429	1/4	108,458	1/4	97,486	1/4	86,514	1/4	75,542	1/4	64,571	
1/2	1/2	152,100	1/2	141,144	1/2	130,173	1/2	119,201	1/2	108,229	1/2	97,257	1/2	86,286	1/2	75,314	1/2	64,342	
3/4	3/4	151,878	3/4	140,916	3/4	129,944	3/4	118,972	3/4	108,001	3/4	97,029	3/4	86,057	3/4	75,085	3/4	64,113	
4	4	151,656	4	140,687	4	129,715	4	118,744	4	107,772	4	96,800	4	85,828	4	74,857	4	63,885	
1/4	1/4	151,428	1/4	140,459	1/4	129,487	1/4	118,515	1/4	107,543	1/4	96,572	1/4	85,600	1/4	74,628	1/4	63,656	
1/2	1/2	151,200	1/2	140,230	1/2	129,258	1/2	118,287	1/2	107,315	1/2	96,343	1/2	85,371	1/2	74,399	1/2	63,428	
3/4	3/4	150,972	3/4	140,001	3/4	129,030	3/4	118,058	3/4	107,086	3/4	96,114	3/4	85,143	3/4	74,171	3/4	63,199	
5	5	150,744	5	139,773	5	128,801	5	117,829	5	106,858	5	95,886	5	84,914	5	73,942	5	62,971	
1/4	1/4	150,516	1/4	139,544	1/4	128,573	1/4	117,601	1/4	106,629	1/4	95,657	1/4	84,686	1/4	73,714	1/4	62,742	
1/2	1/2	150,287	1/2	139,316	1/2	128,344	1/2	117,372	1/2	106,400	1/2	95,429	1/2	84,457	1/2	73,485	1/2	62,513	
3/4	3/4	150,059	3/4	139,087	3/4	128,115	3/4	117,144	3/4	106,172	3/4	95,200	3/4	84,228	3/4	73,257	3/4	62,285	
6	6	149,830	6	138,859	6	127,887	6	116,915	6	105,943	6	94,972	6	84,000	6	73,028	6	62,056	
1/4	1/4	149,602	1/4	138,630	1/4	127,658	1/4	116,686	1/4	105,715	1/4	94,743	1/4	83,771	1/4	72,799	1/4	61,828	
1/2	1/2	149,373	1/2	138,401	1/2	127,430	1/2	116,458	1/2	105,486	1/2	94,514	1/2	83,543	1/2	72,571	1/2	61,599	
3/4	3/4	149,145	3/4	138,173	3/4	127,201	3/4	116,229	3/4	105,258	3/4	94,286	3/4	83,314	3/4	72,342	3/4	61,371	
7	7	148,916	7	137,944	7	126,973	7	116,001	7	105,029	7	94,057	7	83,085	7	72,114	7	61,142	
1/4	1/4	148,687	1/4	137,716	1/4	126,744	1/4	115,772	1/4	104,800	1/4	93,829	1/4	82,857	1/4	71,885	1/4	60,913	
1/2	1/2	148,459	1/2	137,487	1/2	126,515	1/2	115,544	1/2	104,572	1/2	93,600	1/2	82,628	1/2	71,657	1/2	60,685	
3/4	3/4	148,230	3/4	137,259	3/4	126,287	3/4	115,315	3/4	104,343	3/4	93,371	3/4	82,400	3/4	71,428	3/4	60,456	
8	8	148,002	8	137,030	8	126,058	8	115,086	8	104,115	8	93,143	8	82,171	8	71,199	8	60,228	
1/4	1/4	147,773	1/4	136,801	1/4	125,830	1/4	114,858	1/4	103,886	1/4	92,914	1/4	81,943	1/4	70,971	1/4	59,999	
1/2	1/2	147,545	1/2	136,573	1/2	125,601	1/2	114,629	1/2	103,658	1/2	92,686	1/2	81,714	1/2	70,742	1/2	59,770	
3/4	3/4	147,316	3/4	136,344	3/4	125,372	3/4	114,401	3/4	103,429	3/4	92,457	3/4	81,485	3/4	70,514	3/4	59,542	
9	9	147,087	9	136,116	9	125,144	9	114,172	9	103,200	9	92,229	9	81,257	9	70,285	9	59,313	
1/4	1/4	146,859	1/4	135,887	1/4	124,915	1/4	113,944	1/4	102,972	1/4	92,000	1/4	81,028	1/4	70,057	1/4	59,085	
1/2	1/2	146,630	1/2	135,658	1/2	124,687	1/2	113,715	1/2	102,743	1/2	91,771	1/2	80,800	1/2	69,828	1/2	58,856	
3/4	3/4	146,402	3/4	135,430	3/4	124,458	3/4	113,486	3/4	102,515	3/4	91,543	3/4	80,571	3/4	69,599	3/4	58,628	
10	10	146,173	10	135,201	10	124,230	10	113,258	10	102,286	10	91,314	10	80,343	10	69,371	10	58,399	
1/4	1/4	145,945	1/4	134,973	1/4	124,001	1/4	113,029	1/4	102,057	1/4	91,086	1/4	80,114	1/4	69,142	1/4	58,170	
1/2	1/2	145,716	1/2	134,744	1/2	123,772	1/2	112,801	1/2	101,829	1/2	90,857	1/2	79,885	1/2	68,914	1/2	57,942	
3/4	3/4	145,487	3/4	134,516	3/4	123,544	3/4	112,572	3/4	101,600	3/4	90,629	3/4	79,657	3/4	68,685	3/4	57,713	
11	11	145,259	11	134,287	11	123,315	11	112,343	11	101,372	11	90,400	11	79,428	11	68,456	11	57,485	
1/4	1/4	145,030	1/4	134,058	1/4	123,087	1/4	112,115	1/4	101,143	1/4	90,171	1/4	79,200	1/4	68,228	1/4	57,256	
1/2	1/2	144,802	1/2	133,830	1/2	122,858	1/2	111,886	1/2	100,915	1/2	89,943	1/2	78,971	1/2	67,999	1/2	57,028	
3/4	3/4	144,573	3/4	133,601	3/4	122,630	3/4	111,658	3/4	100,686	3/4	89,714	3/4	78,742	3/4	67,771	3/4	56,799	

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 INNAUGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE  
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 24'-00" FORWARD OF AFT BULKHEAD

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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





# BARGE "IB 1083"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-03"

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	56,570	0	45,599	0	34,628	0	23,673	0	12,702	0	1,737	0		0		0		0	
1/4	56,342	1/4	45,370	1/4	34,400	1/4	23,444	1/4	12,473	1/4	1,533	1/4		1/4		1/4		1/4	
1/2	56,113	1/2	45,141	1/2	34,171	1/2	23,216	1/2	12,244	1/2	1,329	1/2		1/2		1/2		1/2	
3/4	55,885	3/4	44,913	3/4	33,943	3/4	22,987	3/4	12,016	3/4	1,125	3/4		3/4		3/4		3/4	
1	55,656	1	44,684	1	33,715	1	22,759	1	11,787	1	921	1		1		1		1	
1/4	55,427	1/4	44,456	1/4	33,487	1/4	22,530	1/4	11,559	1/4	778	1/4		1/4		1/4		1/4	
1/2	55,199	1/2	44,227	1/2	33,259	1/2	22,301	1/2	11,330	1/2	636	1/2		1/2		1/2		1/2	
3/4	54,970	3/4	43,999	3/4	33,031	3/4	22,073	3/4	11,102	3/4	493	3/4		3/4		3/4		3/4	
2	54,742	2	43,770	2	32,803	2	21,844	2	10,873	2	350	2		2		2		2	
1/4	54,513	1/4	43,541	1/4	32,574	1/4	21,616	1/4	10,644	1/4	283	1/4		1/4		1/4		1/4	
1/2	54,285	1/2	43,313	1/2	32,346	1/2	21,387	1/2	10,416	1/2	217	1/2		1/2		1/2		1/2	
3/4	54,056	3/4	43,084	3/4	32,118	3/4	21,159	3/4	10,187	3/4	150	3/4		3/4		3/4		3/4	
3	53,827	3	42,856	3	31,890	3	20,930	3	9,959	3	83	3		3		3		3	
1/4	53,599	1/4	42,627	1/4	31,662	1/4	20,701	1/4	9,730	1/4		1/4		1/4		1/4		1/4	
1/2	53,370	1/2	42,399	1/2	31,434	1/2	20,473	1/2	9,502	1/2		1/2		1/2		1/2		1/2	
3/4	53,142	3/4	42,170	3/4	31,206	3/4	20,244	3/4	9,273	3/4		3/4		3/4		3/4		3/4	
4	52,913	4	41,941	4	30,978	4	20,016	4	9,044	4		4		4		4		4	
1/4	52,685	1/4	41,713	1/4	30,749	1/4	19,787	1/4	8,816	1/4		1/4		1/4		1/4		1/4	
1/2	52,456	1/2	41,484	1/2	30,521	1/2	19,559	1/2	8,587	1/2		1/2		1/2		1/2		1/2	
3/4	52,227	3/4	41,256	3/4	30,293	3/4	19,330	3/4	8,359	3/4		3/4		3/4		3/4		3/4	
5	51,999	5	41,027	5	30,065	5	19,101	5	8,130	5		5		5		5		5	
1/4	51,770	1/4	40,798	1/4	29,837	1/4	18,873	1/4	7,902	1/4		1/4		1/4		1/4		1/4	
1/2	51,542	1/2	40,570	1/2	29,609	1/2	18,644	1/2	7,673	1/2		1/2		1/2		1/2		1/2	
3/4	51,313	3/4	40,341	3/4	29,381	3/4	18,416	3/4	7,444	3/4		3/4		3/4		3/4		3/4	
6	51,085	6	40,113	6	29,153	6	18,187	6	7,216	6		6		6		6		6	
1/4	50,856	1/4	39,884	1/4	28,924	1/4	17,959	1/4	6,987	1/4		1/4		1/4		1/4		1/4	
1/2	50,627	1/2	39,656	1/2	28,696	1/2	17,730	1/2	6,759	1/2		1/2		1/2		1/2		1/2	
3/4	50,399	3/4	39,427	3/4	28,468	3/4	17,501	3/4	6,530	3/4		3/4		3/4		3/4		3/4	
7	50,170	7	39,198	7	28,240	7	17,273	7	6,302	7		7		7		7		7	
1/4	49,942	1/4	38,970	1/4	28,012	1/4	17,044	1/4	6,073	1/4		1/4		1/4		1/4		1/4	
1/2	49,713	1/2	38,741	1/2	27,784	1/2	16,816	1/2	5,845	1/2		1/2		1/2		1/2		1/2	
3/4	49,484	3/4	38,513	3/4	27,556	3/4	16,587	3/4	5,616	3/4		3/4		3/4		3/4		3/4	
8	49,256	8	38,284	8	27,328	8	16,359	8	5,387	8		8		8		8		8	
1/4	49,027	1/4	38,056	1/4	27,099	1/4	16,130	1/4	5,159	1/4		1/4		1/4		1/4		1/4	
1/2	48,799	1/2	37,827	1/2	26,871	1/2	15,902	1/2	4,930	1/2		1/2		1/2		1/2		1/2	
3/4	48,570	3/4	37,598	3/4	26,643	3/4	15,673	3/4	4,702	3/4		3/4		3/4		3/4		3/4	
9	48,342	9	37,370	9	26,415	9	15,444	9	4,473	9		9		9		9		9	
1/4	48,113	1/4	37,141	1/4	26,187	1/4	15,216	1/4	4,245	1/4		1/4		1/4		1/4		1/4	
1/2	47,884	1/2	36,913	1/2	25,958	1/2	14,987	1/2	4,016	1/2		1/2		1/2		1/2		1/2	
3/4	47,656	3/4	36,684	3/4	25,730	3/4	14,759	3/4	3,788	3/4		3/4		3/4		3/4		3/4	
10	47,427	10	36,456	10	25,501	10	14,530	10	3,559	10		10		10		10		10	
1/4	47,199	1/4	36,227	1/4	25,273	1/4	14,302	1/4	3,331	1/4		1/4		1/4		1/4		1/4	
1/2	46,970	1/2	35,998	1/2	25,044	1/2	14,073	1/2	3,103	1/2		1/2		1/2		1/2		1/2	
3/4	46,742	3/4	35,770	3/4	24,816	3/4	13,844	3/4	2,874	3/4		3/4		3/4		3/4		3/4	
11	46,513	11	35,541	11	24,587	11	13,616	11	2,646	11		11		11		11		11	
1/4	46,284	1/4	35,313	1/4	24,359	1/4	13,387	1/4	2,419	1/4		1/4		1/4		1/4		1/4	
1/2	46,056	1/2	35,085	1/2	24,130	1/2	13,159	1/2	2,192	1/2		1/2		1/2		1/2		1/2	
3/4	45,827	3/4	34,856	3/4	23,901	3/4	12,930	3/4	1,965	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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CALCULATED: 08/06/2015 CL  
PRINTED: 08/06/2015 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2015

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