



# BARGE "IB 1963"

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

(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'-09"

July 22, 2015

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

<http://www.pmacorp.net>



# BARGE "IB 1963"

## 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	0	153,660	0	146,788	0	138,998	0	131,207	0	121,684	0	109,644	0	97,612	0	85,581	0	73,549
1/4	1/4	1/4	153,608	1/4	146,626	1/4	138,835	1/4	131,045	1/4	121,433	1/4	109,393	1/4	97,361	1/4	85,330	1/4	73,298
1/2	1/2	1/2	153,556	1/2	146,464	1/2	138,673	1/2	130,882	1/2	121,181	1/2	109,142	1/2	97,111	1/2	85,080	1/2	73,048
3/4	3/4	3/4	153,505	3/4	146,302	3/4	138,511	3/4	130,720	3/4	120,930	3/4	108,892	3/4	96,860	3/4	84,829	3/4	72,797
1	1	1	153,435	1	146,139	1	138,349	1	130,558	1	120,679	1	108,641	1	96,609	1	84,578	1	72,546
1/4	1/4	1/4	153,364	1/4	145,977	1/4	138,186	1/4	130,396	1/4	120,428	1/4	108,390	1/4	96,359	1/4	84,328	1/4	72,296
1/2	1/2	1/2	153,294	1/2	145,815	1/2	138,024	1/2	130,233	1/2	120,177	1/2	108,140	1/2	96,108	1/2	84,077	1/2	72,045
3/4	3/4	3/4	153,224	3/4	145,652	3/4	137,862	3/4	130,071	3/4	119,926	3/4	107,889	3/4	95,858	3/4	83,826	3/4	71,794
2	2	2	153,108	2	145,490	2	137,699	2	129,909	2	119,674	2	107,638	2	95,607	2	83,576	2	71,544
1/4	1/4	1/4	152,992	1/4	145,328	1/4	137,537	1/4	129,746	1/4	119,423	1/4	107,388	1/4	95,356	1/4	83,325	1/4	71,293
1/2	1/2	1/2	152,876	1/2	145,165	1/2	137,375	1/2	129,584	1/2	119,172	1/2	107,137	1/2	95,106	1/2	83,074	1/2	71,042
3/4	3/4	3/4	152,760	3/4	145,003	3/4	137,212	3/4	129,422	3/4	118,921	3/4	106,886	3/4	94,855	3/4	82,824	3/4	70,792
3	3	3	152,606	3	144,841	3	137,050	3	129,259	3	118,670	3	106,636	3	94,604	3	82,573	3	70,541
1/4	1/4	1/4	152,451	1/4	144,679	1/4	136,888	1/4	129,097	1/4	118,419	1/4	106,385	1/4	94,354	1/4	82,322	1/4	70,290
1/2	1/2	1/2	152,296	1/2	144,516	1/2	136,726	1/2	128,935	1/2	118,167	1/2	106,134	1/2	94,103	1/2	82,072	1/2	70,040
3/4	3/4	3/4	152,141	3/4	144,354	3/4	136,563	3/4	128,773	3/4	117,916	3/4	105,884	3/4	93,852	3/4	81,821	3/4	69,789
4	4	4	151,979	4	144,192	4	136,401	4	128,610	4	117,665	4	105,633	4	93,602	4	81,570	4	69,538
1/4	1/4	1/4	151,818	1/4	144,029	1/4	136,239	1/4	128,448	1/4	117,415	1/4	105,382	1/4	93,351	1/4	81,320	1/4	69,288
1/2	1/2	1/2	151,656	1/2	143,867	1/2	136,076	1/2	128,286	1/2	117,164	1/2	105,132	1/2	93,101	1/2	81,069	1/2	69,037
3/4	3/4	3/4	151,495	3/4	143,705	3/4	135,914	3/4	128,123	3/4	116,913	3/4	104,881	3/4	92,850	3/4	80,818	3/4	68,786
5	5	5	151,333	5	143,542	5	135,752	5	127,961	5	116,662	5	104,630	5	92,599	5	80,568	5	68,536
1/4	1/4	1/4	151,170	1/4	143,380	1/4	135,589	1/4	127,799	1/4	116,412	1/4	104,380	1/4	92,349	1/4	80,317	1/4	68,286
1/2	1/2	1/2	151,008	1/2	143,218	1/2	135,427	1/2	127,636	1/2	116,161	1/2	104,129	1/2	92,098	1/2	80,066	1/2	68,036
3/4	3/4	3/4	150,846	3/4	143,055	3/4	135,265	3/4	127,474	3/4	115,910	3/4	103,878	3/4	91,847	3/4	79,816	3/4	67,785
6	6	6	150,684	6	142,893	6	135,102	6	127,312	6	115,660	6	103,628	6	91,597	6	79,565	6	67,535
1/4	1/4	1/4	150,522	1/4	142,731	1/4	134,940	1/4	127,149	1/4	115,409	1/4	103,377	1/4	91,346	1/4	79,314	1/4	67,285
1/2	1/2	1/2	150,359	1/2	142,569	1/2	134,778	1/2	126,987	1/2	115,158	1/2	103,126	1/2	91,095	1/2	79,064	1/2	67,035
3/4	3/4	3/4	150,197	3/4	142,406	3/4	134,616	3/4	126,825	3/4	114,908	3/4	102,876	3/4	90,845	3/4	78,813	3/4	66,785
7	7	7	150,035	7	142,244	7	134,453	7	126,607	7	114,657	7	102,625	7	90,594	7	78,562	7	66,535
1/4	1/4	1/4	149,872	1/4	142,082	1/4	134,291	1/4	126,389	1/4	114,406	1/4	102,374	1/4	90,343	1/4	78,312	1/4	66,285
1/2	1/2	1/2	149,710	1/2	141,919	1/2	134,129	1/2	126,171	1/2	114,156	1/2	102,124	1/2	90,093	1/2	78,061	1/2	66,035
3/4	3/4	3/4	149,548	3/4	141,757	3/4	133,966	3/4	125,953	3/4	113,905	3/4	101,873	3/4	89,842	3/4	77,810	3/4	65,785
8	8	8	149,385	8	141,595	8	133,804	8	125,702	8	113,654	8	101,622	8	89,591	8	77,560	8	65,535
1/4	1/4	1/4	149,223	1/4	141,432	1/4	133,642	1/4	125,451	1/4	113,404	1/4	101,372	1/4	89,341	1/4	77,309	1/4	65,285
1/2	1/2	1/2	149,061	1/2	141,270	1/2	133,479	1/2	125,200	1/2	113,153	1/2	101,121	1/2	89,090	1/2	77,058	1/2	65,035
3/4	3/4	3/4	148,898	3/4	141,108	3/4	133,317	3/4	124,949	3/4	112,902	3/4	100,870	3/4	88,839	3/4	76,808	3/4	64,785
9	9	9	148,736	9	140,945	9	133,155	9	124,698	9	112,652	9	100,620	9	88,589	9	76,557	9	64,535
1/4	1/4	1/4	148,574	1/4	140,783	1/4	132,992	1/4	124,446	1/4	112,401	1/4	100,369	1/4	88,338	1/4	76,306	1/4	64,284
1/2	1/2	1/2	148,412	1/2	140,621	1/2	132,830	1/2	124,195	1/2	112,150	1/2	100,118	1/2	88,088	1/2	76,056	1/2	64,034
3/4	3/4	3/4	148,249	3/4	140,459	3/4	132,668	3/4	123,944	3/4	111,900	3/4	99,868	3/4	87,837	3/4	75,805	3/4	63,784
10	10	10	148,087	10	140,296	10	132,506	10	123,693	10	111,649	10	99,617	10	87,586	10	75,554	10	63,534
1/4	1/4	1/4	147,925	1/4	140,134	1/4	132,343	1/4	123,442	1/4	111,398	1/4	99,366	1/4	87,336	1/4	75,304	1/4	63,284
1/2	1/2	1/2	147,762	1/2	139,972	1/2	132,181	1/2	123,191	1/2	111,148	1/2	99,116	1/2	87,085	1/2	75,053	1/2	63,034
3/4	3/4	3/4	147,600	3/4	139,809	3/4	132,019	3/4	122,940	3/4	110,897	3/4	98,865	3/4	86,834	3/4	74,802	3/4	62,784
11	11	11	147,438	11	139,647	11	131,856	11	122,688	11	110,646	11	98,615	11	86,584	11	74,552	11	62,534
1/4	1/4	1/4	147,275	1/4	139,485	1/4	131,694	1/4	122,437	1/4	110,396	1/4	98,364	1/4	86,333	1/4	74,301	1/4	62,284
1/2	1/2	1/2	147,113	1/2	139,322	1/2	131,532	1/2	122,186	1/2	110,145	1/2	98,113	1/2	86,082	1/2	74,050	1/2	62,034
3/4	3/4	3/4	146,951	3/4	139,160	3/4	131,369	3/4	121,935	3/4	109,894	3/4	97,863	3/4	85,832	3/4	73,800	3/4	61,784

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'-00" FORWARD OF AFT BULKHEAD

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





# BARGE "IB 1963"

## 1 CENTER ULLAGE TABLE

GAUGE HEIGHT 15'-02 3/4"

CAPACITIES GIVEN IN WHOLE GALLONS

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	61,534	0	49,514	0	37,511	0	25,723	0	13,691	0	1,683	0		0		0		0	
1/4	61,284	1/4	49,264	1/4	37,267	1/4	25,473	1/4	13,440	1/4	1,458	1/4		1/4		1/4		1/4	
1/2	61,034	1/2	49,013	1/2	37,023	1/2	25,222	1/2	13,190	1/2	1,234	1/2		1/2		1/2		1/2	
3/4	60,784	3/4	48,762	3/4	36,779	3/4	24,971	3/4	12,939	3/4	1,010	3/4		3/4		3/4		3/4	
1	60,534	1	48,512	1	36,535	1	24,721	1	12,688	1	853	1		1		1		1	
1/4	60,283	1/4	48,261	1/4	36,291	1/4	24,470	1/4	12,438	1/4	696	1/4		1/4		1/4		1/4	
1/2	60,033	1/2	48,011	1/2	36,047	1/2	24,219	1/2	12,187	1/2	539	1/2		1/2		1/2		1/2	
3/4	59,783	3/4	47,760	3/4	35,803	3/4	23,969	3/4	11,936	3/4	382	3/4		3/4		3/4		3/4	
2	59,533	2	47,510	2	35,559	2	23,718	2	11,686	2	309	2		2		2		2	
1/4	59,283	1/4	47,259	1/4	35,315	1/4	23,467	1/4	11,435	1/4	236	1/4		1/4		1/4		1/4	
1/2	59,033	1/2	47,009	1/2	35,071	1/2	23,217	1/2	11,184	1/2	163	1/2		1/2		1/2		1/2	
3/4	58,783	3/4	46,758	3/4	34,827	3/4	22,966	3/4	10,934	3/4	89	3/4		3/4		3/4		3/4	
3	58,533	3	46,508	3	34,583	3	22,715	3	10,683	3		3		3		3		3	
1/4	58,282	1/4	46,257	1/4	34,339	1/4	22,465	1/4	10,432	1/4		1/4		1/4		1/4		1/4	
1/2	58,032	1/2	46,007	1/2	34,095	1/2	22,214	1/2	10,182	1/2		1/2		1/2		1/2		1/2	
3/4	57,782	3/4	45,756	3/4	33,852	3/4	21,963	3/4	9,931	3/4		3/4		3/4		3/4		3/4	
4	57,531	4	45,506	4	33,608	4	21,713	4	9,680	4		4		4		4		4	
1/4	57,281	1/4	45,255	1/4	33,364	1/4	21,462	1/4	9,429	1/4		1/4		1/4		1/4		1/4	
1/2	57,030	1/2	45,004	1/2	33,120	1/2	21,211	1/2	9,178	1/2		1/2		1/2		1/2		1/2	
3/4	56,780	3/4	44,754	3/4	32,876	3/4	20,961	3/4	8,927	3/4		3/4		3/4		3/4		3/4	
5	56,529	5	44,503	5	32,632	5	20,710	5	8,677	5		5		5		5		5	
1/4	56,278	1/4	44,253	1/4	32,388	1/4	20,459	1/4	8,426	1/4		1/4		1/4		1/4		1/4	
1/2	56,028	1/2	44,002	1/2	32,144	1/2	20,209	1/2	8,175	1/2		1/2		1/2		1/2		1/2	
3/4	55,777	3/4	43,752	3/4	31,900	3/4	19,958	3/4	7,924	3/4		3/4		3/4		3/4		3/4	
6	55,527	6	43,501	6	31,656	6	19,707	6	7,673	6		6		6		6		6	
1/4	55,276	1/4	43,251	1/4	31,412	1/4	19,457	1/4	7,422	1/4		1/4		1/4		1/4		1/4	
1/2	55,026	1/2	43,000	1/2	31,168	1/2	19,206	1/2	7,171	1/2		1/2		1/2		1/2		1/2	
3/4	54,775	3/4	42,750	3/4	30,924	3/4	18,955	3/4	6,920	3/4		3/4		3/4		3/4		3/4	
7	54,525	7	42,499	7	30,680	7	18,704	7	6,669	7		7		7		7		7	
1/4	54,274	1/4	42,249	1/4	30,436	1/4	18,454	1/4	6,419	1/4		1/4		1/4		1/4		1/4	
1/2	54,024	1/2	41,998	1/2	30,192	1/2	18,203	1/2	6,168	1/2		1/2		1/2		1/2		1/2	
3/4	53,773	3/4	41,748	3/4	29,948	3/4	17,952	3/4	5,917	3/4		3/4		3/4		3/4		3/4	
8	53,523	8	41,497	8	29,704	8	17,702	8	5,666	8		8		8		8		8	
1/4	53,272	1/4	41,246	1/4	29,460	1/4	17,451	1/4	5,415	1/4		1/4		1/4		1/4		1/4	
1/2	53,022	1/2	40,996	1/2	29,216	1/2	17,200	1/2	5,164	1/2		1/2		1/2		1/2		1/2	
3/4	52,771	3/4	40,745	3/4	28,972	3/4	16,950	3/4	4,912	3/4		3/4		3/4		3/4		3/4	
9	52,520	9	40,495	9	28,724	9	16,699	9	4,661	9		9		9		9		9	
1/4	52,270	1/4	40,244	1/4	28,476	1/4	16,448	1/4	4,410	1/4		1/4		1/4		1/4		1/4	
1/2	52,019	1/2	39,994	1/2	28,228	1/2	16,198	1/2	4,159	1/2		1/2		1/2		1/2		1/2	
3/4	51,769	3/4	39,743	3/4	27,979	3/4	15,947	3/4	3,908	3/4		3/4		3/4		3/4		3/4	
10	51,518	10	39,493	10	27,729	10	15,696	10	3,657	10		10		10		10		10	
1/4	51,268	1/4	39,242	1/4	27,478	1/4	15,446	1/4	3,406	1/4		1/4		1/4		1/4		1/4	
1/2	51,017	1/2	38,992	1/2	27,227	1/2	15,195	1/2	3,156	1/2		1/2		1/2		1/2		1/2	
3/4	50,767	3/4	38,741	3/4	26,977	3/4	14,944	3/4	2,905	3/4		3/4		3/4		3/4		3/4	
11	50,516	11	38,495	11	26,726	11	14,694	11	2,655	11		11		11		11		11	
1/4	50,266	1/4	38,248	1/4	26,475	1/4	14,443	1/4	2,406	1/4		1/4		1/4		1/4		1/4	
1/2	50,015	1/2	38,002	1/2	26,225	1/2	14,192	1/2	2,156	1/2		1/2		1/2		1/2		1/2	
3/4	49,765	3/4	37,755	3/4	25,974	3/4	13,942	3/4	1,907	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/22/2015 CL  
CALCULATED: 07/23/2015 CL  
PRINTED: 07/23/2015 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2015

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





# BARGE "IB 1963"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-02 1/4"

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	161,565	0	150,902	0	139,356	0	127,811	0	116,266	0	104,720	0	93,175	0	81,630	0	70,084	
1/4	1/4	161,516	1/4	150,661	1/4	139,116	1/4	127,570	1/4	116,025	1/4	104,480	1/4	92,934	1/4	81,389	1/4	69,844	
1/2	1/2	161,396	1/2	150,421	1/2	138,875	1/2	127,330	1/2	115,785	1/2	104,239	1/2	92,694	1/2	81,149	1/2	69,603	
3/4	3/4	161,275	3/4	150,180	3/4	138,635	3/4	127,089	3/4	115,544	3/4	103,999	3/4	92,453	3/4	80,908	3/4	69,363	
1	1	161,155	1	149,939	1	138,394	1	126,849	1	115,304	1	103,758	1	92,213	1	80,668	1	69,122	
1/4	1/4	161,035	1/4	149,699	1/4	138,154	1/4	126,608	1/4	115,063	1/4	103,518	1/4	91,972	1/4	80,427	1/4	68,882	
1/2	1/2	160,839	1/2	149,458	1/2	137,913	1/2	126,368	1/2	114,822	1/2	103,277	1/2	91,732	1/2	80,187	1/2	68,641	
3/4	3/4	160,643	3/4	149,218	3/4	137,673	3/4	126,127	3/4	114,582	3/4	103,037	3/4	91,491	3/4	79,946	3/4	68,401	
2	2	160,446	2	148,977	2	137,432	2	125,887	2	114,341	2	102,796	2	91,251	2	79,705	2	68,160	
1/4	1/4	160,250	1/4	148,737	1/4	137,192	1/4	125,646	1/4	114,101	1/4	102,556	1/4	91,010	1/4	79,465	1/4	67,920	
1/2	1/2	160,017	1/2	148,496	1/2	136,951	1/2	125,406	1/2	113,860	1/2	102,315	1/2	90,770	1/2	79,224	1/2	67,679	
3/4	3/4	159,783	3/4	148,256	3/4	136,710	3/4	125,165	3/4	113,620	3/4	102,075	3/4	90,529	3/4	78,984	3/4	67,439	
3	3	159,550	3	148,015	3	136,470	3	124,925	3	113,379	3	101,834	3	90,289	3	78,743	3	67,198	
1/4	1/4	159,317	1/4	147,775	1/4	136,229	1/4	124,684	1/4	113,139	1/4	101,593	1/4	90,048	1/4	78,503	1/4	66,958	
1/2	1/2	159,077	1/2	147,534	1/2	135,989	1/2	124,444	1/2	112,898	1/2	101,353	1/2	89,808	1/2	78,262	1/2	66,717	
3/4	3/4	158,837	3/4	147,294	3/4	135,748	3/4	124,203	3/4	112,658	3/4	101,112	3/4	89,567	3/4	78,022	3/4	66,476	
4	4	158,597	4	147,053	4	135,508	4	123,963	4	112,417	4	100,872	4	89,327	4	77,781	4	66,236	
1/4	1/4	158,357	1/4	146,813	1/4	135,267	1/4	123,722	1/4	112,177	1/4	100,631	1/4	89,086	1/4	77,541	1/4	65,995	
1/2	1/2	158,117	1/2	146,572	1/2	135,027	1/2	123,481	1/2	111,936	1/2	100,391	1/2	88,846	1/2	77,300	1/2	65,755	
3/4	3/4	157,877	3/4	146,332	3/4	134,786	3/4	123,241	3/4	111,696	3/4	100,150	3/4	88,605	3/4	77,060	3/4	65,514	
5	5	157,636	5	146,091	5	134,546	5	123,000	5	111,455	5	99,910	5	88,364	5	76,819	5	65,274	
1/4	1/4	157,396	1/4	145,851	1/4	134,305	1/4	122,760	1/4	111,215	1/4	99,669	1/4	88,124	1/4	76,579	1/4	65,033	
1/2	1/2	157,155	1/2	145,610	1/2	134,065	1/2	122,519	1/2	110,974	1/2	99,429	1/2	87,883	1/2	76,338	1/2	64,793	
3/4	3/4	156,915	3/4	145,369	3/4	133,824	3/4	122,279	3/4	110,734	3/4	99,188	3/4	87,643	3/4	76,098	3/4	64,552	
6	6	156,674	6	145,129	6	133,584	6	122,038	6	110,493	6	98,948	6	87,402	6	75,857	6	64,312	
1/4	1/4	156,434	1/4	144,888	1/4	133,343	1/4	121,798	1/4	110,252	1/4	98,707	1/4	87,162	1/4	75,617	1/4	64,071	
1/2	1/2	156,193	1/2	144,648	1/2	133,103	1/2	121,557	1/2	110,012	1/2	98,467	1/2	86,921	1/2	75,376	1/2	63,831	
3/4	3/4	155,953	3/4	144,407	3/4	132,862	3/4	121,317	3/4	109,771	3/4	98,226	3/4	86,681	3/4	75,135	3/4	63,590	
7	7	155,712	7	144,167	7	132,622	7	121,076	7	109,531	7	97,986	7	86,440	7	74,895	7	63,350	
1/4	1/4	155,472	1/4	143,926	1/4	132,381	1/4	120,836	1/4	109,290	1/4	97,745	1/4	86,200	1/4	74,654	1/4	63,109	
1/2	1/2	155,231	1/2	143,686	1/2	132,140	1/2	120,595	1/2	109,050	1/2	97,505	1/2	85,959	1/2	74,414	1/2	62,869	
3/4	3/4	154,991	3/4	143,445	3/4	131,900	3/4	120,355	3/4	108,809	3/4	97,264	3/4	85,719	3/4	74,173	3/4	62,628	
8	8	154,750	8	143,205	8	131,659	8	120,114	8	108,569	8	97,023	8	85,478	8	73,933	8	62,388	
1/4	1/4	154,510	1/4	142,964	1/4	131,419	1/4	119,874	1/4	108,328	1/4	96,783	1/4	85,238	1/4	73,692	1/4	62,147	
1/2	1/2	154,269	1/2	142,724	1/2	131,178	1/2	119,633	1/2	108,088	1/2	96,542	1/2	84,997	1/2	73,452	1/2	61,906	
3/4	3/4	154,028	3/4	142,483	3/4	130,938	3/4	119,393	3/4	107,847	3/4	96,302	3/4	84,757	3/4	73,211	3/4	61,666	
9	9	153,788	9	142,243	9	130,697	9	119,152	9	107,607	9	96,061	9	84,516	9	72,971	9	61,425	
1/4	1/4	153,547	1/4	142,002	1/4	130,457	1/4	118,911	1/4	107,366	1/4	95,821	1/4	84,275	1/4	72,730	1/4	61,185	
1/2	1/2	153,307	1/2	141,762	1/2	130,216	1/2	118,671	1/2	107,126	1/2	95,580	1/2	84,035	1/2	72,490	1/2	60,944	
3/4	3/4	153,066	3/4	141,521	3/4	129,976	3/4	118,430	3/4	106,885	3/4	95,340	3/4	83,794	3/4	72,249	3/4	60,704	
10	10	152,826	10	141,280	10	129,735	10	118,190	10	106,645	10	95,099	10	83,554	10	72,009	10	60,463	
1/4	1/4	152,585	1/4	141,040	1/4	129,495	1/4	117,949	1/4	106,404	1/4	94,859	1/4	83,313	1/4	71,768	1/4	60,223	
1/2	1/2	152,345	1/2	140,799	1/2	129,254	1/2	117,709	1/2	106,163	1/2	94,618	1/2	83,073	1/2	71,528	1/2	59,982	
3/4	3/4	152,104	3/4	140,559	3/4	129,014	3/4	117,468	3/4	105,923	3/4	94,378	3/4	82,832	3/4	71,287	3/4	59,742	
11	11	151,864	11	140,318	11	128,773	11	117,228	11	105,682	11	94,137	11	82,592	11	71,046	11	59,501	
1/4	161,714	1/4	151,623	1/4	140,078	1/4	128,533	1/4	116,987	1/4	105,442	1/4	93,897	1/4	82,351	1/4	70,806	1/4	59,261
1/2	161,664	1/2	151,383	1/2	139,837	1/2	128,292	1/2	116,747	1/2	105,201	1/2	93,656	1/2	82,111	1/2	70,565	1/2	59,020
3/4	161,615	3/4	151,142	3/4	139,597	3/4	128,051	3/4	116,506	3/4	104,961	3/4	93,416	3/4	81,870	3/4	70,325	3/4	58,780

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'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77568  
<http://www.pmacorp.net>



# BARGE "IB 1963"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-02 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	58,539	0	46,994	0	35,487	0	24,187	0	12,642	0	1,183	0		0		0		0	
1/4	58,299	1/4	46,753	1/4	35,254	1/4	23,946	1/4	12,401	1/4	968	1/4		1/4		1/4		1/4	
1/2	58,058	1/2	46,513	1/2	35,020	1/2	23,706	1/2	12,161	1/2	818	1/2		1/2		1/2		1/2	
3/4	57,817	3/4	46,272	3/4	34,787	3/4	23,465	3/4	11,920	3/4	668	3/4		3/4		3/4		3/4	
1	57,577	1	46,032	1	34,553	1	23,225	1	11,680	1	517	1		1		1		1	
1/4	57,336	1/4	45,791	1/4	34,320	1/4	22,984	1/4	11,439	1/4	367	1/4		1/4		1/4		1/4	
1/2	57,096	1/2	45,551	1/2	34,086	1/2	22,744	1/2	11,199	1/2	297	1/2		1/2		1/2		1/2	
3/4	56,855	3/4	45,310	3/4	33,853	3/4	22,503	3/4	10,958	3/4	227	3/4		3/4		3/4		3/4	
2	56,615	2	45,070	2	33,620	2	22,263	2	10,718	2	157	2		2		2		2	
1/4	56,374	1/4	44,829	1/4	33,386	1/4	22,022	1/4	10,477	1/4	87	1/4		1/4		1/4		1/4	
1/2	56,134	1/2	44,588	1/2	33,153	1/2	21,782	1/2	10,237	1/2		1/2		1/2		1/2		1/2	
3/4	55,893	3/4	44,348	3/4	32,919	3/4	21,541	3/4	9,996	3/4		3/4		3/4		3/4		3/4	
3	55,653	3	44,107	3	32,686	3	21,301	3	9,756	3		3		3		3		3	
1/4	55,412	1/4	43,867	1/4	32,452	1/4	21,060	1/4	9,515	1/4		1/4		1/4		1/4		1/4	
1/2	55,172	1/2	43,626	1/2	32,219	1/2	20,820	1/2	9,275	1/2		1/2		1/2		1/2		1/2	
3/4	54,931	3/4	43,386	3/4	31,986	3/4	20,579	3/4	9,034	3/4		3/4		3/4		3/4		3/4	
4	54,691	4	43,145	4	31,752	4	20,339	4	8,794	4		4		4		4		4	
1/4	54,450	1/4	42,905	1/4	31,519	1/4	20,098	1/4	8,553	1/4		1/4		1/4		1/4		1/4	
1/2	54,210	1/2	42,664	1/2	31,285	1/2	19,857	1/2	8,313	1/2		1/2		1/2		1/2		1/2	
3/4	53,969	3/4	42,424	3/4	31,052	3/4	19,617	3/4	8,072	3/4		3/4		3/4		3/4		3/4	
5	53,729	5	42,183	5	30,818	5	19,376	5	7,832	5		5		5		5		5	
1/4	53,488	1/4	41,943	1/4	30,585	1/4	19,136	1/4	7,591	1/4		1/4		1/4		1/4		1/4	
1/2	53,247	1/2	41,702	1/2	30,352	1/2	18,895	1/2	7,351	1/2		1/2		1/2		1/2		1/2	
3/4	53,007	3/4	41,462	3/4	30,118	3/4	18,655	3/4	7,110	3/4		3/4		3/4		3/4		3/4	
6	52,766	6	41,221	6	29,885	6	18,414	6	6,870	6		6		6		6		6	
1/4	52,526	1/4	40,981	1/4	29,651	1/4	18,174	1/4	6,629	1/4		1/4		1/4		1/4		1/4	
1/2	52,285	1/2	40,740	1/2	29,418	1/2	17,933	1/2	6,389	1/2		1/2		1/2		1/2		1/2	
3/4	52,045	3/4	40,500	3/4	29,185	3/4	17,693	3/4	6,148	3/4		3/4		3/4		3/4		3/4	
7	51,804	7	40,259	7	28,951	7	17,452	7	5,908	7		7		7		7		7	
1/4	51,564	1/4	40,018	1/4	28,718	1/4	17,212	1/4	5,667	1/4		1/4		1/4		1/4		1/4	
1/2	51,323	1/2	39,778	1/2	28,484	1/2	16,971	1/2	5,427	1/2		1/2		1/2		1/2		1/2	
3/4	51,083	3/4	39,537	3/4	28,251	3/4	16,731	3/4	5,186	3/4		3/4		3/4		3/4		3/4	
8	50,842	8	39,297	8	28,017	8	16,490	8	4,946	8		8		8		8		8	
1/4	50,602	1/4	39,056	1/4	27,784	1/4	16,250	1/4	4,705	1/4		1/4		1/4		1/4		1/4	
1/2	50,361	1/2	38,816	1/2	27,546	1/2	16,009	1/2	4,465	1/2		1/2		1/2		1/2		1/2	
3/4	50,121	3/4	38,575	3/4	27,308	3/4	15,769	3/4	4,224	3/4		3/4		3/4		3/4		3/4	
9	49,880	9	38,335	9	27,070	9	15,528	9	3,984	9		9		9		9		9	
1/4	49,640	1/4	38,094	1/4	26,833	1/4	15,288	1/4	3,743	1/4		1/4		1/4		1/4		1/4	
1/2	49,399	1/2	37,854	1/2	26,592	1/2	15,047	1/2	3,503	1/2		1/2		1/2		1/2		1/2	
3/4	49,158	3/4	37,613	3/4	26,351	3/4	14,807	3/4	3,263	3/4		3/4		3/4		3/4		3/4	
10	48,918	10	37,373	10	26,111	10	14,566	10	3,023	10		10		10		10		10	
1/4	48,677	1/4	37,132	1/4	25,870	1/4	14,326	1/4	2,783	1/4		1/4		1/4		1/4		1/4	
1/2	48,437	1/2	36,896	1/2	25,630	1/2	14,085	1/2	2,544	1/2		1/2		1/2		1/2		1/2	
3/4	48,196	3/4	36,660	3/4	25,389	3/4	13,845	3/4	2,305	3/4		3/4		3/4		3/4		3/4	
11	47,956	11	36,424	11	25,149	11	13,604	11	2,066	11		11		11		11		11	
1/4	47,715	1/4	36,188	1/4	24,908	1/4	13,363	1/4	1,827	1/4		1/4		1/4		1/4		1/4	
1/2	47,475	1/2	35,954	1/2	24,668	1/2	13,123	1/2	1,612	1/2		1/2		1/2		1/2		1/2	
3/4	47,234	3/4	35,721	3/4	24,427	3/4	12,882	3/4	1,397	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/22/2015 CL  
CALCULATED: 07/23/2015 CL  
PRINTED: 07/23/2015 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2015

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





# BARGE "IB 1963"

## 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	160,684	0	150,481	0	139,025	0	127,568	0	116,112	0	104,656	0	93,199	0	81,743	0	70,286
1/4		1/4	160,635	1/4	150,243	1/4	138,786	1/4	127,330	1/4	115,873	1/4	104,417	1/4	92,960	1/4	81,504	1/4	70,047
1/2		1/2	160,586	1/2	150,004	1/2	138,548	1/2	127,091	1/2	115,635	1/2	104,178	1/2	92,722	1/2	81,265	1/2	69,809
3/4		3/4	160,537	3/4	149,765	3/4	138,309	3/4	126,852	3/4	115,396	3/4	103,940	3/4	92,483	3/4	81,027	3/4	69,570
1		1	160,417	1	149,527	1	138,070	1	126,614	1	115,157	1	103,701	1	92,244	1	80,788	1	69,331
1/4		1/4	160,298	1/4	149,288	1/4	137,832	1/4	126,375	1/4	114,919	1/4	103,462	1/4	92,006	1/4	80,549	1/4	69,093
1/2		1/2	160,179	1/2	149,049	1/2	137,593	1/2	126,136	1/2	114,680	1/2	103,223	1/2	91,767	1/2	80,311	1/2	68,854
3/4		3/4	160,059	3/4	148,811	3/4	137,354	3/4	125,898	3/4	114,441	3/4	102,985	3/4	91,528	3/4	80,072	3/4	68,615
2		2	159,865	2	148,572	2	137,116	2	125,659	2	114,203	2	102,746	2	91,290	2	79,833	2	68,377
1/4		1/4	159,670	1/4	148,333	1/4	136,877	1/4	125,420	1/4	113,964	1/4	102,507	1/4	91,051	1/4	79,595	1/4	68,138
1/2		1/2	159,475	1/2	148,095	1/2	136,638	1/2	125,182	1/2	113,725	1/2	102,269	1/2	90,812	1/2	79,356	1/2	67,899
3/4		3/4	159,281	3/4	147,856	3/4	136,399	3/4	124,943	3/4	113,487	3/4	102,030	3/4	90,574	3/4	79,117	3/4	67,661
3		3	159,049	3	147,617	3	136,161	3	124,704	3	113,248	3	101,791	3	90,335	3	78,879	3	67,422
1/4		1/4	158,817	1/4	147,379	1/4	135,922	1/4	124,466	1/4	113,009	1/4	101,553	1/4	90,096	1/4	78,640	1/4	67,183
1/2		1/2	158,586	1/2	147,140	1/2	135,683	1/2	124,227	1/2	112,771	1/2	101,314	1/2	89,858	1/2	78,401	1/2	66,945
3/4		3/4	158,354	3/4	146,901	3/4	135,445	3/4	123,988	3/4	112,532	3/4	101,075	3/4	89,619	3/4	78,162	3/4	66,706
4		4	158,116	4	146,663	4	135,206	4	123,750	4	112,293	4	100,837	4	89,380	4	77,924	4	66,467
1/4		1/4	157,878	1/4	146,424	1/4	134,967	1/4	123,511	1/4	112,055	1/4	100,598	1/4	89,142	1/4	77,685	1/4	66,229
1/2		1/2	157,640	1/2	146,185	1/2	134,729	1/2	123,272	1/2	111,816	1/2	100,359	1/2	88,903	1/2	77,446	1/2	65,990
3/4		3/4	157,402	3/4	145,947	3/4	134,490	3/4	123,034	3/4	111,577	3/4	100,121	3/4	88,664	3/4	77,208	3/4	65,751
5		5	157,164	5	145,708	5	134,251	5	122,795	5	111,338	5	99,882	5	88,426	5	76,969	5	65,513
1/4		1/4	156,925	1/4	145,469	1/4	134,013	1/4	122,556	1/4	111,100	1/4	99,643	1/4	88,187	1/4	76,730	1/4	65,274
1/2		1/2	156,687	1/2	145,230	1/2	133,774	1/2	122,318	1/2	110,861	1/2	99,405	1/2	87,948	1/2	76,492	1/2	65,035
3/4		3/4	156,448	3/4	144,992	3/4	133,535	3/4	122,079	3/4	110,622	3/4	99,166	3/4	87,710	3/4	76,253	3/4	64,797
6		6	156,210	6	144,753	6	133,297	6	121,840	6	110,384	6	98,927	6	87,471	6	76,014	6	64,558
1/4		1/4	155,971	1/4	144,514	1/4	133,058	1/4	121,602	1/4	110,145	1/4	98,689	1/4	87,232	1/4	75,776	1/4	64,319
1/2		1/2	155,732	1/2	144,276	1/2	132,819	1/2	121,363	1/2	109,906	1/2	98,450	1/2	86,994	1/2	75,537	1/2	64,081
3/4		3/4	155,494	3/4	144,037	3/4	132,581	3/4	121,124	3/4	109,668	3/4	98,211	3/4	86,755	3/4	75,298	3/4	63,842
7		7	155,255	7	143,798	7	132,342	7	120,886	7	109,429	7	97,973	7	86,516	7	75,060	7	63,603
1/4		1/4	155,016	1/4	143,560	1/4	132,103	1/4	120,647	1/4	109,190	1/4	97,734	1/4	86,277	1/4	74,821	1/4	63,365
1/2		1/2	154,778	1/2	143,321	1/2	131,865	1/2	120,408	1/2	108,952	1/2	97,495	1/2	86,039	1/2	74,582	1/2	63,126
3/4		3/4	154,539	3/4	143,082	3/4	131,626	3/4	120,169	3/4	108,713	3/4	97,257	3/4	85,800	3/4	74,344	3/4	62,887
8		8	154,300	8	142,844	8	131,387	8	119,931	8	108,474	8	97,018	8	85,561	8	74,105	8	62,649
1/4		1/4	154,062	1/4	142,605	1/4	131,149	1/4	119,692	1/4	108,236	1/4	96,779	1/4	85,323	1/4	73,866	1/4	62,410
1/2		1/2	153,823	1/2	142,366	1/2	130,910	1/2	119,453	1/2	107,997	1/2	96,541	1/2	85,084	1/2	73,628	1/2	62,171
3/4		3/4	153,584	3/4	142,128	3/4	130,671	3/4	119,215	3/4	107,758	3/4	96,302	3/4	84,845	3/4	73,389	3/4	61,932
9		9	153,345	9	141,889	9	130,433	9	118,976	9	107,520	9	96,063	9	84,607	9	73,150	9	61,694
1/4		1/4	153,107	1/4	141,650	1/4	130,194	1/4	118,737	1/4	107,281	1/4	95,825	1/4	84,368	1/4	72,912	1/4	61,455
1/2		1/2	152,868	1/2	141,412	1/2	129,955	1/2	118,499	1/2	107,042	1/2	95,586	1/2	84,129	1/2	72,673	1/2	61,216
3/4		3/4	152,629	3/4	141,173	3/4	129,717	3/4	118,260	3/4	106,804	3/4	95,347	3/4	83,891	3/4	72,434	3/4	60,978
10		10	152,391	10	140,934	10	129,478	10	118,021	10	106,565	10	95,108	10	83,652	10	72,196	10	60,739
1/4		1/4	152,152	1/4	140,696	1/4	129,239	1/4	117,783	1/4	106,326	1/4	94,870	1/4	83,413	1/4	71,957	1/4	60,500
1/2		1/2	151,913	1/2	140,457	1/2	129,001	1/2	117,544	1/2	106,088	1/2	94,631	1/2	83,175	1/2	71,718	1/2	60,262
3/4		3/4	151,675	3/4	140,218	3/4	128,762	3/4	117,305	3/4	105,849	3/4	94,392	3/4	82,936	3/4	71,480	3/4	60,023
11		11	151,436	11	139,980	11	128,523	11	117,067	11	105,610	11	94,154	11	82,697	11	71,241	11	59,784
1/4		1/4	151,197	1/4	139,741	1/4	128,284	1/4	116,828	1/4	105,372	1/4	93,915	1/4	82,459	1/4	71,002	1/4	59,546
1/2		1/2	150,959	1/2	139,502	1/2	128,046	1/2	116,589	1/2	105,133	1/2	93,676	1/2	82,220	1/2	70,764	1/2	59,307
3/4		3/4	150,720	3/4	139,264	3/4	127,807	3/4	116,351	3/4	104,894	3/4	93,438	3/4	81,981	3/4	70,525	3/4	59,068

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'-00" FORWARD OF AFT BULKHEAD

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



# BARGE "IB 1963"

## 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	58,830	0	47,373	0	35,918	0	24,478	0	13,022	0	1,600	0		0		0		0	
1/4	58,591	1/4	47,135	1/4	35,680	1/4	24,240	1/4	12,784	1/4	1,387	1/4		1/4		1/4		1/4	
1/2	58,352	1/2	46,896	1/2	35,442	1/2	24,001	1/2	12,545	1/2	1,174	1/2		1/2		1/2		1/2	
3/4	58,114	3/4	46,657	3/4	35,203	3/4	23,762	3/4	12,306	3/4	961	3/4		3/4		3/4		3/4	
1	57,875	1	46,419	1	34,965	1	23,524	1	12,068	1	812	1		1		1		1	
1/4	57,636	1/4	46,180	1/4	34,727	1/4	23,285	1/4	11,829	1/4	663	1/4		1/4		1/4		1/4	
1/2	57,398	1/2	45,941	1/2	34,489	1/2	23,046	1/2	11,590	1/2	514	1/2		1/2		1/2		1/2	
3/4	57,159	3/4	45,703	3/4	34,250	3/4	22,808	3/4	11,352	3/4	364	3/4		3/4		3/4		3/4	
2	56,920	2	45,464	2	34,012	2	22,569	2	11,113	2	295	2		2		2		2	
1/4	56,682	1/4	45,225	1/4	33,774	1/4	22,330	1/4	10,874	1/4	225	1/4		1/4		1/4		1/4	
1/2	56,443	1/2	44,986	1/2	33,536	1/2	22,092	1/2	10,635	1/2	156	1/2		1/2		1/2		1/2	
3/4	56,204	3/4	44,748	3/4	33,297	3/4	21,853	3/4	10,397	3/4	86	3/4		3/4		3/4		3/4	
3	55,966	3	44,509	3	33,059	3	21,614	3	10,158	3		3		3		3		3	
1/4	55,727	1/4	44,270	1/4	32,821	1/4	21,376	1/4	9,919	1/4		1/4		1/4		1/4		1/4	
1/2	55,488	1/2	44,032	1/2	32,583	1/2	21,137	1/2	9,681	1/2		1/2		1/2		1/2		1/2	
3/4	55,250	3/4	43,793	3/4	32,345	3/4	20,898	3/4	9,442	3/4		3/4		3/4		3/4		3/4	
4	55,011	4	43,554	4	32,106	4	20,660	4	9,203	4		4		4		4		4	
1/4	54,772	1/4	43,316	1/4	31,868	1/4	20,421	1/4	8,965	1/4		1/4		1/4		1/4		1/4	
1/2	54,534	1/2	43,077	1/2	31,630	1/2	20,182	1/2	8,726	1/2		1/2		1/2		1/2		1/2	
3/4	54,295	3/4	42,838	3/4	31,392	3/4	19,944	3/4	8,487	3/4		3/4		3/4		3/4		3/4	
5	54,056	5	42,600	5	31,153	5	19,705	5	8,249	5		5		5		5		5	
1/4	53,818	1/4	42,361	1/4	30,915	1/4	19,466	1/4	8,010	1/4		1/4		1/4		1/4		1/4	
1/2	53,579	1/2	42,122	1/2	30,677	1/2	19,228	1/2	7,772	1/2		1/2		1/2		1/2		1/2	
3/4	53,340	3/4	41,884	3/4	30,439	3/4	18,989	3/4	7,533	3/4		3/4		3/4		3/4		3/4	
6	53,101	6	41,645	6	30,201	6	18,750	6	7,294	6		6		6		6		6	
1/4	52,863	1/4	41,406	1/4	29,962	1/4	18,512	1/4	7,056	1/4		1/4		1/4		1/4		1/4	
1/2	52,624	1/2	41,168	1/2	29,724	1/2	18,273	1/2	6,817	1/2		1/2		1/2		1/2		1/2	
3/4	52,385	3/4	40,929	3/4	29,486	3/4	18,034	3/4	6,578	3/4		3/4		3/4		3/4		3/4	
7	52,147	7	40,690	7	29,248	7	17,796	7	6,340	7		7		7		7		7	
1/4	51,908	1/4	40,452	1/4	29,010	1/4	17,557	1/4	6,101	1/4		1/4		1/4		1/4		1/4	
1/2	51,669	1/2	40,213	1/2	28,771	1/2	17,318	1/2	5,862	1/2		1/2		1/2		1/2		1/2	
3/4	51,431	3/4	39,974	3/4	28,533	3/4	17,080	3/4	5,624	3/4		3/4		3/4		3/4		3/4	
8	51,192	8	39,736	8	28,295	8	16,841	8	5,385	8		8		8		8		8	
1/4	50,953	1/4	39,497	1/4	28,057	1/4	16,602	1/4	5,146	1/4		1/4		1/4		1/4		1/4	
1/2	50,715	1/2	39,258	1/2	27,818	1/2	16,364	1/2	4,908	1/2		1/2		1/2		1/2		1/2	
3/4	50,476	3/4	39,020	3/4	27,580	3/4	16,125	3/4	4,669	3/4		3/4		3/4		3/4		3/4	
9	50,237	9	38,781	9	27,342	9	15,886	9	4,430	9		9		9		9		9	
1/4	49,999	1/4	38,542	1/4	27,103	1/4	15,648	1/4	4,192	1/4		1/4		1/4		1/4		1/4	
1/2	49,760	1/2	38,304	1/2	26,865	1/2	15,409	1/2	3,953	1/2		1/2		1/2		1/2		1/2	
3/4	49,521	3/4	38,065	3/4	26,626	3/4	15,170	3/4	3,715	3/4		3/4		3/4		3/4		3/4	
10	49,283	10	37,826	10	26,388	10	14,932	10	3,476	10		10		10		10		10	
1/4	49,044	1/4	37,588	1/4	26,149	1/4	14,693	1/4	3,238	1/4		1/4		1/4		1/4		1/4	
1/2	48,805	1/2	37,349	1/2	25,910	1/2	14,454	1/2	3,000	1/2		1/2		1/2		1/2		1/2	
3/4	48,567	3/4	37,110	3/4	25,672	3/4	14,216	3/4	2,761	3/4		3/4		3/4		3/4		3/4	
11	48,328	11	36,872	11	25,433	11	13,977	11	2,524	11		11		11		11		11	
1/4	48,089	1/4	36,633	1/4	25,194	1/4	13,738	1/4	2,287	1/4		1/4		1/4		1/4		1/4	
1/2	47,851	1/2	36,395	1/2	24,956	1/2	13,500	1/2	2,050	1/2		1/2		1/2		1/2		1/2	
3/4	47,612	3/4	36,156	3/4	24,717	3/4	13,261	3/4	1,813	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/22/2015 CL  
CALCULATED: 07/23/2015 CL  
PRINTED: 07/23/2015 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2015

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