



# BARGE "IB 1967"

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

(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"

March 6, 2016

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

<http://www.pmacorp.net>



# BARGE "IB 1967"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-03 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	146,346	0	138,570	0	130,794	0	121,424	0	109,411	0	97,407	0	85,403	0	73,399
1/4	1/4	152,887	1/4	146,184	1/4	138,408	1/4	130,632	1/4	121,173	1/4	109,160	1/4	97,157	1/4	85,153	1/4	73,149	
1/2	1/2	152,877	1/2	146,022	1/2	138,246	1/2	130,470	1/2	120,922	1/2	108,910	1/2	96,907	1/2	84,903	1/2	72,899	
3/4	3/4	152,814	3/4	145,860	3/4	138,084	3/4	130,308	3/4	120,672	3/4	108,660	3/4	96,656	3/4	84,653	3/4	72,649	
1	1	152,751	1	145,698	1	137,922	1	130,146	1	120,421	1	108,410	1	96,406	1	84,403	1	72,399	
1/4	1/4	152,689	1/4	145,536	1/4	137,760	1/4	129,984	1/4	120,171	1/4	108,160	1/4	96,156	1/4	84,153	1/4	72,149	
1/2	1/2	152,626	1/2	145,374	1/2	137,598	1/2	129,822	1/2	119,920	1/2	107,910	1/2	95,906	1/2	83,903	1/2	71,899	
3/4	3/4	152,568	3/4	145,212	3/4	137,436	3/4	129,660	3/4	119,669	3/4	107,660	3/4	95,656	3/4	83,653	3/4	71,649	
2	2	152,511	2	145,050	2	137,274	2	129,498	2	119,419	2	107,410	2	95,406	2	83,403	2	71,399	
1/4	1/4	152,453	1/4	144,888	1/4	137,112	1/4	129,336	1/4	119,168	1/4	107,160	1/4	95,156	1/4	83,153	1/4	71,148	
1/2	1/2	152,396	1/2	144,726	1/2	136,950	1/2	129,174	1/2	118,918	1/2	106,910	1/2	94,906	1/2	82,902	1/2	70,898	
3/4	3/4	152,258	3/4	144,564	3/4	136,788	3/4	129,012	3/4	118,667	3/4	106,660	3/4	94,656	3/4	82,652	3/4	70,648	
3	3	152,120	3	144,402	3	136,626	3	128,850	3	118,417	3	106,410	3	94,406	3	82,402	3	70,398	
1/4	1/4	151,983	1/4	144,240	1/4	136,464	1/4	128,688	1/4	118,166	1/4	106,159	1/4	94,156	1/4	82,152	1/4	70,148	
1/2	1/2	151,845	1/2	144,078	1/2	136,302	1/2	128,526	1/2	117,915	1/2	105,909	1/2	93,906	1/2	81,902	1/2	69,898	
3/4	3/4	151,685	3/4	143,916	3/4	136,140	3/4	128,364	3/4	117,665	3/4	105,659	3/4	93,656	3/4	81,652	3/4	69,648	
4	4	151,525	4	143,754	4	135,978	4	128,202	4	117,414	4	105,409	4	93,406	4	81,402	4	69,398	
1/4	1/4	151,364	1/4	143,592	1/4	135,816	1/4	128,040	1/4	117,164	1/4	105,159	1/4	93,156	1/4	81,152	1/4	69,148	
1/2	1/2	151,204	1/2	143,430	1/2	135,654	1/2	127,878	1/2	116,913	1/2	104,909	1/2	92,906	1/2	80,902	1/2	68,898	
3/4	3/4	151,042	3/4	143,268	3/4	135,492	3/4	127,716	3/4	116,663	3/4	104,659	3/4	92,656	3/4	80,652	3/4	68,648	
5	5	150,881	5	143,106	5	135,330	5	127,554	5	116,413	5	104,409	5	92,405	5	80,402	5	68,398	
1/4	1/4	150,719	1/4	142,944	1/4	135,168	1/4	127,392	1/4	116,163	1/4	104,159	1/4	92,155	1/4	80,152	1/4	68,147	
1/2	1/2	150,557	1/2	142,782	1/2	135,006	1/2	127,230	1/2	115,913	1/2	103,909	1/2	91,905	1/2	79,901	1/2	67,897	
3/4	3/4	150,395	3/4	142,620	3/4	134,844	3/4	127,068	3/4	115,663	3/4	103,659	3/4	91,655	3/4	79,651	3/4	67,648	
6	6	150,234	6	142,458	6	134,682	6	126,906	6	115,413	6	103,409	6	91,405	6	79,401	6	67,398	
1/4	1/4	150,072	1/4	142,296	1/4	134,520	1/4	126,744	1/4	115,162	1/4	103,158	1/4	91,155	1/4	79,151	1/4	67,149	
1/2	1/2	149,910	1/2	142,134	1/2	134,358	1/2	126,582	1/2	114,912	1/2	102,908	1/2	90,905	1/2	78,901	1/2	66,899	
3/4	3/4	149,748	3/4	141,972	3/4	134,196	3/4	126,420	3/4	114,662	3/4	102,658	3/4	90,655	3/4	78,651	3/4	66,650	
7	7	149,586	7	141,810	7	134,034	7	126,258	7	114,412	7	102,408	7	90,405	7	78,401	7	66,400	
1/4	1/4	149,424	1/4	141,648	1/4	133,872	1/4	126,096	1/4	114,162	1/4	102,158	1/4	90,155	1/4	78,151	1/4	66,151	
1/2	1/2	149,262	1/2	141,486	1/2	133,710	1/2	125,934	1/2	113,912	1/2	101,908	1/2	89,905	1/2	77,901	1/2	65,901	
3/4	3/4	149,100	3/4	141,324	3/4	133,548	3/4	125,683	3/4	113,662	3/4	101,658	3/4	89,655	3/4	77,651	3/4	65,652	
8	8	148,938	8	141,162	8	133,386	8	125,433	8	113,412	8	101,408	8	89,405	8	77,401	8	65,403	
1/4	1/4	148,776	1/4	141,000	1/4	133,224	1/4	125,182	1/4	113,162	1/4	101,158	1/4	89,155	1/4	77,150	1/4	65,153	
1/2	1/2	148,614	1/2	140,838	1/2	133,062	1/2	124,932	1/2	112,912	1/2	100,908	1/2	88,904	1/2	76,900	1/2	64,904	
3/4	3/4	148,452	3/4	140,676	3/4	132,900	3/4	124,681	3/4	112,662	3/4	100,658	3/4	88,654	3/4	76,650	3/4	64,654	
9	9	148,290	9	140,514	9	132,738	9	124,431	9	112,412	9	100,407	9	88,404	9	76,400	9	64,405	
1/4	1/4	148,128	1/4	140,352	1/4	132,576	1/4	124,180	1/4	112,161	1/4	100,157	1/4	88,154	1/4	76,150	1/4	64,155	
1/2	1/2	147,966	1/2	140,190	1/2	132,414	1/2	123,929	1/2	111,911	1/2	99,907	1/2	87,904	1/2	75,900	1/2	63,906	
3/4	3/4	147,804	3/4	140,028	3/4	132,252	3/4	123,679	3/4	111,661	3/4	99,657	3/4	87,654	3/4	75,650	3/4	63,656	
10	10	147,642	10	139,866	10	132,090	10	123,428	10	111,411	10	99,407	10	87,404	10	75,400	10	63,407	
1/4	1/4	147,480	1/4	139,704	1/4	131,928	1/4	123,178	1/4	111,161	1/4	99,157	1/4	87,154	1/4	75,150	1/4	63,157	
1/2	1/2	147,318	1/2	139,542	1/2	131,766	1/2	122,927	1/2	110,911	1/2	98,907	1/2	86,904	1/2	74,900	1/2	62,908	
3/4	3/4	147,156	3/4	139,380	3/4	131,604	3/4	122,676	3/4	110,661	3/4	98,657	3/4	86,654	3/4	74,650	3/4	62,658	
11	11	146,994	11	139,218	11	131,442	11	122,426	11	110,411	11	98,407	11	86,404	11	74,400	11	62,409	
1/4	1/4	146,832	1/4	139,056	1/4	131,280	1/4	122,175	1/4	110,161	1/4	98,157	1/4	86,154	1/4	74,149	1/4	62,159	
1/2	1/2	146,670	1/2	138,894	1/2	131,118	1/2	121,925	1/2	109,911	1/2	97,907	1/2	85,903	1/2	73,899	1/2	61,910	
3/4	3/4	146,508	3/4	138,732	3/4	130,956	3/4	121,674	3/4	109,661	3/4	97,657	3/4	85,653	3/4	73,649	3/4	61,660	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 32'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "IB 1967"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-03 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	61,411	0	49,420	0	37,435	0	25,684	0	13,679	0	1,693	0		0		0		0	
1/4	61,161	1/4	49,170	1/4	37,191	1/4	25,434	1/4	13,429	1/4	1,456	1/4		1/4		1/4		1/4	
1/2	60,912	1/2	48,920	1/2	36,948	1/2	25,183	1/2	13,179	1/2	1,219	1/2		1/2		1/2		1/2	
3/4	60,662	3/4	48,670	3/4	36,704	3/4	24,933	3/4	12,929	3/4	1,054	3/4		3/4		3/4		3/4	
1	60,413	1	48,420	1	36,461	1	24,683	1	12,679	1	890	1		1		1		1	
1/4	60,163	1/4	48,170	1/4	36,217	1/4	24,433	1/4	12,429	1/4	726	1/4		1/4		1/4		1/4	
1/2	59,914	1/2	47,920	1/2	35,974	1/2	24,183	1/2	12,179	1/2	561	1/2		1/2		1/2		1/2	
3/4	59,664	3/4	47,670	3/4	35,731	3/4	23,933	3/4	11,928	3/4	469	3/4		3/4		3/4		3/4	
2	59,415	2	47,420	2	35,487	2	23,683	2	11,678	2	377	2		2		2		2	
1/4	59,165	1/4	47,170	1/4	35,244	1/4	23,433	1/4	11,428	1/4	285	1/4		1/4		1/4		1/4	
1/2	58,916	1/2	46,920	1/2	35,000	1/2	23,183	1/2	11,178	1/2	193	1/2		1/2		1/2		1/2	
3/4	58,666	3/4	46,670	3/4	34,757	3/4	22,933	3/4	10,928	3/4	151	3/4		3/4		3/4		3/4	
3	58,417	3	46,420	3	34,513	3	22,683	3	10,678	3	110	3		3		3		3	
1/4	58,167	1/4	46,170	1/4	34,270	1/4	22,432	1/4	10,428	1/4	68	1/4		1/4		1/4		1/4	
1/2	57,918	1/2	45,920	1/2	34,027	1/2	22,182	1/2	10,178	1/2	26	1/2		1/2		1/2		1/2	
3/4	57,668	3/4	45,670	3/4	33,783	3/4	21,932	3/4	9,928	3/4		3/4		3/4		3/4		3/4	
4	57,418	4	45,420	4	33,540	4	21,682	4	9,678	4		4		4		4		4	
1/4	57,168	1/4	45,170	1/4	33,296	1/4	21,432	1/4	9,427	1/4		1/4		1/4		1/4		1/4	
1/2	56,918	1/2	44,920	1/2	33,053	1/2	21,182	1/2	9,177	1/2		1/2		1/2		1/2		1/2	
3/4	56,668	3/4	44,670	3/4	32,810	3/4	20,932	3/4	8,927	3/4		3/4		3/4		3/4		3/4	
5	56,418	5	44,420	5	32,566	5	20,682	5	8,677	5		5		5		5		5	
1/4	56,168	1/4	44,170	1/4	32,323	1/4	20,432	1/4	8,426	1/4		1/4		1/4		1/4		1/4	
1/2	55,918	1/2	43,920	1/2	32,079	1/2	20,182	1/2	8,176	1/2		1/2		1/2		1/2		1/2	
3/4	55,668	3/4	43,671	3/4	31,836	3/4	19,931	3/4	7,926	3/4		3/4		3/4		3/4		3/4	
6	55,418	6	43,421	6	31,592	6	19,681	6	7,675	6		6		6		6		6	
1/4	55,168	1/4	43,171	1/4	31,349	1/4	19,431	1/4	7,425	1/4		1/4		1/4		1/4		1/4	
1/2	54,919	1/2	42,921	1/2	31,106	1/2	19,181	1/2	7,174	1/2		1/2		1/2		1/2		1/2	
3/4	54,669	3/4	42,671	3/4	30,862	3/4	18,931	3/4	6,924	3/4		3/4		3/4		3/4		3/4	
7	54,419	7	42,421	7	30,619	7	18,681	7	6,674	7		7		7		7		7	
1/4	54,169	1/4	42,171	1/4	30,375	1/4	18,431	1/4	6,424	1/4		1/4		1/4		1/4		1/4	
1/2	53,919	1/2	41,921	1/2	30,132	1/2	18,181	1/2	6,174	1/2		1/2		1/2		1/2		1/2	
3/4	53,669	3/4	41,671	3/4	29,889	3/4	17,931	3/4	5,923	3/4		3/4		3/4		3/4		3/4	
8	53,419	8	41,421	8	29,645	8	17,681	8	5,673	8		8		8		8		8	
1/4	53,169	1/4	41,171	1/4	29,402	1/4	17,431	1/4	5,423	1/4		1/4		1/4		1/4		1/4	
1/2	52,919	1/2	40,921	1/2	29,158	1/2	17,180	1/2	5,172	1/2		1/2		1/2		1/2		1/2	
3/4	52,669	3/4	40,671	3/4	28,915	3/4	16,930	3/4	4,922	3/4		3/4		3/4		3/4		3/4	
9	52,419	9	40,421	9	28,671	9	16,680	9	4,671	9		9		9		9		9	
1/4	52,169	1/4	40,171	1/4	28,428	1/4	16,430	1/4	4,420	1/4		1/4		1/4		1/4		1/4	
1/2	51,919	1/2	39,921	1/2	28,185	1/2	16,180	1/2	4,170	1/2		1/2		1/2		1/2		1/2	
3/4	51,669	3/4	39,671	3/4	27,934	3/4	15,930	3/4	3,919	3/4		3/4		3/4		3/4		3/4	
10	51,419	10	39,421	10	27,684	10	15,680	10	3,669	10		10		10		10		10	
1/4	51,169	1/4	39,171	1/4	27,434	1/4	15,430	1/4	3,418	1/4		1/4		1/4		1/4		1/4	
1/2	50,919	1/2	38,921	1/2	27,184	1/2	15,180	1/2	3,168	1/2		1/2		1/2		1/2		1/2	
3/4	50,669	3/4	38,671	3/4	26,934	3/4	14,930	3/4	2,918	3/4		3/4		3/4		3/4		3/4	
11	50,419	11	38,421	11	26,684	11	14,680	11	2,668	11		11		11		11		11	
1/4	50,169	1/4	38,172	1/4	26,434	1/4	14,429	1/4	2,418	1/4		1/4		1/4		1/4		1/4	
1/2	49,919	1/2	37,922	1/2	26,184	1/2	14,179	1/2	2,168	1/2		1/2		1/2		1/2		1/2	
3/4	49,669	3/4	37,678	3/4	25,934	3/4	13,929	3/4	1,931	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/04/2016 CL  
CALCULATED: 03/06/2016 CL  
PRINTED: 03/06/2016 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2016

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



# BARGE "IB 1967"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-03 1/2"

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	151,825	0	140,273	0	128,722	0	117,170	0	105,619	0	94,067	0	82,516	0	70,965
1/4		1/4	161,680	1/4	151,584	1/4	140,033	1/4	128,481	1/4	116,930	1/4	105,378	1/4	93,827	1/4	82,275	1/4	70,724
1/2		1/2	161,670	1/2	151,343	1/2	139,792	1/2	128,240	1/2	116,689	1/2	105,138	1/2	93,586	1/2	82,035	1/2	70,483
3/4		3/4	161,610	3/4	151,103	3/4	139,551	3/4	128,000	3/4	116,448	3/4	104,897	3/4	93,346	3/4	81,794	3/4	70,243
1		1	161,550	1	150,862	1	139,311	1	127,759	1	116,208	1	104,656	1	93,105	1	81,553	1	70,002
1/4		1/4	161,489	1/4	150,621	1/4	139,070	1/4	127,518	1/4	115,967	1/4	104,416	1/4	92,864	1/4	81,313	1/4	69,761
1/2		1/2	161,429	1/2	150,381	1/2	138,829	1/2	127,278	1/2	115,726	1/2	104,175	1/2	92,624	1/2	81,072	1/2	69,521
3/4		3/4	161,289	3/4	150,140	3/4	138,589	3/4	127,037	3/4	115,486	3/4	103,934	3/4	92,383	3/4	80,831	3/4	69,280
2		2	161,149	2	149,899	2	138,348	2	126,797	2	115,245	2	103,694	2	92,142	2	80,591	2	69,039
1/4		1/4	161,008	1/4	149,659	1/4	138,107	1/4	126,556	1/4	115,004	1/4	103,453	1/4	91,902	1/4	80,350	1/4	68,799
1/2		1/2	160,868	1/2	149,418	1/2	137,867	1/2	126,315	1/2	114,764	1/2	103,212	1/2	91,661	1/2	80,110	1/2	68,558
3/4		3/4	160,651	3/4	149,177	3/4	137,626	3/4	126,075	3/4	114,523	3/4	102,972	3/4	91,420	3/4	79,869	3/4	68,317
3		3	160,433	3	148,937	3	137,385	3	125,834	3	114,282	3	102,731	3	91,180	3	79,628	3	68,077
1/4		1/4	160,216	1/4	148,696	1/4	137,145	1/4	125,593	1/4	114,042	1/4	102,490	1/4	90,939	1/4	79,388	1/4	67,836
1/2		1/2	159,999	1/2	148,455	1/2	136,904	1/2	125,353	1/2	113,801	1/2	102,250	1/2	90,698	1/2	79,147	1/2	67,595
3/4		3/4	159,760	3/4	148,215	3/4	136,663	3/4	125,112	3/4	113,561	3/4	102,009	3/4	90,458	3/4	78,906	3/4	67,355
4		4	159,521	4	147,974	4	136,423	4	124,871	4	113,320	4	101,768	4	90,217	4	78,666	4	67,114
1/4		1/4	159,282	1/4	147,733	1/4	136,182	1/4	124,631	1/4	113,079	1/4	101,528	1/4	89,976	1/4	78,425	1/4	66,874
1/2		1/2	159,042	1/2	147,493	1/2	135,941	1/2	124,390	1/2	112,839	1/2	101,287	1/2	89,736	1/2	78,184	1/2	66,633
3/4		3/4	158,802	3/4	147,252	3/4	135,701	3/4	124,149	3/4	112,598	3/4	101,046	3/4	89,495	3/4	77,944	3/4	66,392
5		5	158,562	5	147,012	5	135,460	5	123,909	5	112,357	5	100,806	5	89,254	5	77,703	5	66,152
1/4		1/4	158,322	1/4	146,771	1/4	135,219	1/4	123,668	1/4	112,117	1/4	100,565	1/4	89,014	1/4	77,462	1/4	65,911
1/2		1/2	158,081	1/2	146,530	1/2	134,979	1/2	123,427	1/2	111,876	1/2	100,325	1/2	88,773	1/2	77,222	1/2	65,670
3/4		3/4	157,841	3/4	146,290	3/4	134,738	3/4	123,187	3/4	111,635	3/4	100,084	3/4	88,532	3/4	76,981	3/4	65,430
6		6	157,600	6	146,049	6	134,497	6	122,946	6	111,395	6	99,843	6	88,292	6	76,740	6	65,189
1/4		1/4	157,360	1/4	145,808	1/4	134,257	1/4	122,705	1/4	111,154	1/4	99,603	1/4	88,051	1/4	76,500	1/4	64,948
1/2		1/2	157,119	1/2	145,568	1/2	134,016	1/2	122,465	1/2	110,913	1/2	99,362	1/2	87,810	1/2	76,259	1/2	64,708
3/4		3/4	156,878	3/4	145,327	3/4	133,776	3/4	122,224	3/4	110,673	3/4	99,121	3/4	87,570	3/4	76,018	3/4	64,467
7		7	156,638	7	145,086	7	133,535	7	121,983	7	110,432	7	98,881	7	87,329	7	75,778	7	64,226
1/4		1/4	156,397	1/4	144,846	1/4	133,294	1/4	121,743	1/4	110,191	1/4	98,640	1/4	87,089	1/4	75,537	1/4	63,986
1/2		1/2	156,156	1/2	144,605	1/2	133,054	1/2	121,502	1/2	109,951	1/2	98,399	1/2	86,848	1/2	75,296	1/2	63,745
3/4		3/4	155,916	3/4	144,364	3/4	132,813	3/4	121,261	3/4	109,710	3/4	98,159	3/4	86,607	3/4	75,056	3/4	63,504
8		8	155,675	8	144,124	8	132,572	8	121,021	8	109,469	8	97,918	8	86,367	8	74,815	8	63,264
1/4		1/4	155,434	1/4	143,883	1/4	132,332	1/4	120,780	1/4	109,229	1/4	97,677	1/4	86,126	1/4	74,574	1/4	63,023
1/2		1/2	155,194	1/2	143,642	1/2	132,091	1/2	120,540	1/2	108,988	1/2	97,437	1/2	85,885	1/2	74,334	1/2	62,782
3/4		3/4	154,953	3/4	143,402	3/4	131,850	3/4	120,299	3/4	108,747	3/4	97,196	3/4	85,645	3/4	74,093	3/4	62,542
9		9	154,712	9	143,161	9	131,610	9	120,058	9	108,507	9	96,955	9	85,404	9	73,853	9	62,301
1/4		1/4	154,472	1/4	142,920	1/4	131,369	1/4	119,818	1/4	108,266	1/4	96,715	1/4	85,163	1/4	73,612	1/4	62,060
1/2		1/2	154,231	1/2	142,680	1/2	131,128	1/2	119,577	1/2	108,025	1/2	96,474	1/2	84,923	1/2	73,371	1/2	61,820
3/4		3/4	153,990	3/4	142,439	3/4	130,888	3/4	119,336	3/4	107,785	3/4	96,233	3/4	84,682	3/4	73,131	3/4	61,579
10		10	153,750	10	142,198	10	130,647	10	119,096	10	107,544	10	95,993	10	84,441	10	72,890	10	61,338
1/4		1/4	153,509	1/4	141,958	1/4	130,406	1/4	118,855	1/4	107,304	1/4	95,752	1/4	84,201	1/4	72,649	1/4	61,098
1/2		1/2	153,269	1/2	141,717	1/2	130,166	1/2	118,614	1/2	107,063	1/2	95,511	1/2	83,960	1/2	72,409	1/2	60,857
3/4		3/4	153,028	3/4	141,476	3/4	129,925	3/4	118,374	3/4	106,822	3/4	95,271	3/4	83,719	3/4	72,168	3/4	60,617
11		11	152,787	11	141,236	11	129,684	11	118,133	11	106,582	11	95,030	11	83,479	11	71,927	11	60,376
1/4		1/4	152,547	1/4	140,995	1/4	129,444	1/4	117,892	1/4	106,341	1/4	94,789	1/4	83,238	1/4	71,687	1/4	60,135
1/2		1/2	152,306	1/2	140,754	1/2	129,203	1/2	117,652	1/2	106,100	1/2	94,549	1/2	82,997	1/2	71,446	1/2	59,895
3/4		3/4	152,065	3/4	140,514	3/4	128,962	3/4	117,411	3/4	105,860	3/4	94,308	3/4	82,757	3/4	71,205	3/4	59,654

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE.

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

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "IB 1967"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-03 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	59,413	0	47,862	0	36,324	0	25,042	0	13,491	0	1,947	0		0		0		0	
1/4	59,173	1/4	47,621	1/4	36,091	1/4	24,801	1/4	13,250	1/4	1,708	1/4		1/4		1/4		1/4	
1/2	58,932	1/2	47,381	1/2	35,857	1/2	24,560	1/2	13,009	1/2	1,470	1/2		1/2		1/2		1/2	
3/4	58,691	3/4	47,140	3/4	35,624	3/4	24,320	3/4	12,769	3/4	1,269	3/4		3/4		3/4		3/4	
1	58,451	1	46,899	1	35,390	1	24,079	1	12,528	1	1,069	1		1		1		1	
1/4	58,210	1/4	46,659	1/4	35,156	1/4	23,838	1/4	12,287	1/4	868	1/4		1/4		1/4		1/4	
1/2	57,969	1/2	46,418	1/2	34,923	1/2	23,598	1/2	12,047	1/2	668	1/2		1/2		1/2		1/2	
3/4	57,729	3/4	46,177	3/4	34,689	3/4	23,357	3/4	11,806	3/4	548	3/4		3/4		3/4		3/4	
2	57,488	2	45,937	2	34,455	2	23,117	2	11,566	2	427	2		2		2		2	
1/4	57,247	1/4	45,696	1/4	34,222	1/4	22,876	1/4	11,325	1/4	307	1/4		1/4		1/4		1/4	
1/2	57,007	1/2	45,455	1/2	33,988	1/2	22,635	1/2	11,084	1/2	187	1/2		1/2		1/2		1/2	
3/4	56,766	3/4	45,215	3/4	33,755	3/4	22,395	3/4	10,844	3/4	147	3/4		3/4		3/4		3/4	
3	56,525	3	44,974	3	33,521	3	22,154	3	10,603	3	106	3		3		3		3	
1/4	56,285	1/4	44,733	1/4	33,288	1/4	21,913	1/4	10,362	1/4	66	1/4		1/4		1/4		1/4	
1/2	56,044	1/2	44,493	1/2	33,054	1/2	21,673	1/2	10,122	1/2	26	1/2		1/2		1/2		1/2	
3/4	55,803	3/4	44,252	3/4	32,820	3/4	21,432	3/4	9,881	3/4		3/4		3/4		3/4		3/4	
4	55,563	4	44,011	4	32,587	4	21,191	4	9,640	4		4		4		4		4	
1/4	55,322	1/4	43,771	1/4	32,353	1/4	20,951	1/4	9,400	1/4		1/4		1/4		1/4		1/4	
1/2	55,081	1/2	43,530	1/2	32,120	1/2	20,710	1/2	9,159	1/2		1/2		1/2		1/2		1/2	
3/4	54,841	3/4	43,289	3/4	31,886	3/4	20,469	3/4	8,918	3/4		3/4		3/4		3/4		3/4	
5	54,600	5	43,049	5	31,653	5	20,229	5	8,678	5		5		5		5		5	
1/4	54,359	1/4	42,808	1/4	31,419	1/4	19,988	1/4	8,437	1/4		1/4		1/4		1/4		1/4	
1/2	54,119	1/2	42,567	1/2	31,185	1/2	19,747	1/2	8,197	1/2		1/2		1/2		1/2		1/2	
3/4	53,878	3/4	42,327	3/4	30,952	3/4	19,507	3/4	7,956	3/4		3/4		3/4		3/4		3/4	
6	53,638	6	42,086	6	30,718	6	19,266	6	7,715	6		6		6		6		6	
1/4	53,397	1/4	41,845	1/4	30,485	1/4	19,026	1/4	7,475	1/4		1/4		1/4		1/4		1/4	
1/2	53,156	1/2	41,605	1/2	30,251	1/2	18,785	1/2	7,234	1/2		1/2		1/2		1/2		1/2	
3/4	52,916	3/4	41,364	3/4	30,017	3/4	18,544	3/4	6,993	3/4		3/4		3/4		3/4		3/4	
7	52,675	7	41,123	7	29,784	7	18,304	7	6,753	7		7		7		7		7	
1/4	52,434	1/4	40,883	1/4	29,550	1/4	18,063	1/4	6,512	1/4		1/4		1/4		1/4		1/4	
1/2	52,194	1/2	40,642	1/2	29,317	1/2	17,822	1/2	6,271	1/2		1/2		1/2		1/2		1/2	
3/4	51,953	3/4	40,402	3/4	29,083	3/4	17,582	3/4	6,031	3/4		3/4		3/4		3/4		3/4	
8	51,712	8	40,161	8	28,850	8	17,341	8	5,790	8		8		8		8		8	
1/4	51,472	1/4	39,920	1/4	28,616	1/4	17,100	1/4	5,550	1/4		1/4		1/4		1/4		1/4	
1/2	51,231	1/2	39,680	1/2	28,382	1/2	16,860	1/2	5,309	1/2		1/2		1/2		1/2		1/2	
3/4	50,990	3/4	39,439	3/4	28,149	3/4	16,619	3/4	5,068	3/4		3/4		3/4		3/4		3/4	
9	50,750	9	39,198	9	27,915	9	16,378	9	4,828	9		9		9		9		9	
1/4	50,509	1/4	38,958	1/4	27,682	1/4	16,138	1/4	4,587	1/4		1/4		1/4		1/4		1/4	
1/2	50,268	1/2	38,717	1/2	27,448	1/2	15,897	1/2	4,346	1/2		1/2		1/2		1/2		1/2	
3/4	50,028	3/4	38,476	3/4	27,208	3/4	15,657	3/4	4,106	3/4		3/4		3/4		3/4		3/4	
10	49,787	10	38,236	10	26,967	10	15,416	10	3,865	10		10		10		10		10	
1/4	49,546	1/4	37,995	1/4	26,726	1/4	15,175	1/4	3,625	1/4		1/4		1/4		1/4		1/4	
1/2	49,306	1/2	37,754	1/2	26,486	1/2	14,935	1/2	3,384	1/2		1/2		1/2		1/2		1/2	
3/4	49,065	3/4	37,514	3/4	26,245	3/4	14,694	3/4	3,144	3/4		3/4		3/4		3/4		3/4	
11	48,824	11	37,273	11	26,004	11	14,453	11	2,904	11		11		11		11		11	
1/4	48,584	1/4	37,032	1/4	25,764	1/4	14,213	1/4	2,664	1/4		1/4		1/4		1/4		1/4	
1/2	48,343	1/2	36,792	1/2	25,523	1/2	13,972	1/2	2,424	1/2		1/2		1/2		1/2		1/2	
3/4	48,102	3/4	36,558	3/4	25,282	3/4	13,731	3/4	2,185	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/04/2016 CL  
CALCULATED: 03/06/2016 CL  
PRINTED: 03/06/2016 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2016

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



# BARGE "IB 1967"

## 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	160,220	0	150,003	0	138,574	0	127,145	0	115,716	0	104,287	0	92,858	0	81,428	0	69,999
1/4		1/4	160,161	1/4	149,765	1/4	138,336	1/4	126,907	1/4	115,478	1/4	104,048	1/4	92,619	1/4	81,190	1/4	69,761
1/2		1/2	160,101	1/2	149,527	1/2	138,098	1/2	126,668	1/2	115,239	1/2	103,810	1/2	92,381	1/2	80,952	1/2	69,523
3/4		3/4	160,042	3/4	149,288	3/4	137,859	3/4	126,430	3/4	115,001	3/4	103,572	3/4	92,143	3/4	80,714	3/4	69,285
1		1	159,982	1	149,050	1	137,621	1	126,192	1	114,763	1	103,334	1	91,905	1	80,476	1	69,047
1/4		1/4	159,843	1/4	148,812	1/4	137,383	1/4	125,954	1/4	114,525	1/4	103,096	1/4	91,667	1/4	80,238	1/4	68,809
1/2		1/2	159,704	1/2	148,574	1/2	137,145	1/2	125,716	1/2	114,287	1/2	102,858	1/2	91,429	1/2	80,000	1/2	68,571
3/4		3/4	159,565	3/4	148,336	3/4	136,907	3/4	125,478	3/4	114,049	3/4	102,620	3/4	91,191	3/4	79,762	3/4	68,333
2		2	159,426	2	148,098	2	136,669	2	125,240	2	113,811	2	102,382	2	90,953	2	79,524	2	68,095
1/4		1/4	159,211	1/4	147,860	1/4	136,431	1/4	125,002	1/4	113,573	1/4	102,144	1/4	90,715	1/4	79,286	1/4	67,856
1/2		1/2	158,997	1/2	147,622	1/2	136,193	1/2	124,764	1/2	113,335	1/2	101,906	1/2	90,476	1/2	79,047	1/2	67,618
3/4		3/4	158,782	3/4	147,384	3/4	135,955	3/4	124,526	3/4	113,096	3/4	101,667	3/4	90,238	3/4	78,809	3/4	67,380
3		3	158,567	3	147,146	3	135,716	3	124,287	3	112,858	3	101,429	3	90,000	3	78,571	3	67,142
1/4		1/4	158,330	1/4	146,907	1/4	135,478	1/4	124,049	1/4	112,620	1/4	101,191	1/4	89,762	1/4	78,333	1/4	66,904
1/2		1/2	158,094	1/2	146,669	1/2	135,240	1/2	123,811	1/2	112,382	1/2	100,953	1/2	89,524	1/2	78,095	1/2	66,666
3/4		3/4	157,857	3/4	146,431	3/4	135,002	3/4	123,573	3/4	112,144	3/4	100,715	3/4	89,286	3/4	77,857	3/4	66,428
4		4	157,620	4	146,193	4	134,764	4	123,335	4	111,906	4	100,477	4	89,048	4	77,619	4	66,190
1/4		1/4	157,383	1/4	145,955	1/4	134,526	1/4	123,097	1/4	111,668	1/4	100,239	1/4	88,810	1/4	77,381	1/4	65,952
1/2		1/2	157,145	1/2	145,717	1/2	134,288	1/2	122,859	1/2	111,430	1/2	100,001	1/2	88,572	1/2	77,143	1/2	65,714
3/4		3/4	156,907	3/4	145,479	3/4	134,050	3/4	122,621	3/4	111,192	3/4	99,763	3/4	88,334	3/4	76,904	3/4	65,475
5		5	156,670	5	145,241	5	133,812	5	122,383	5	110,954	5	99,524	5	88,095	5	76,666	5	65,237
1/4		1/4	156,432	1/4	145,003	1/4	133,574	1/4	122,144	1/4	110,715	1/4	99,286	1/4	87,857	1/4	76,428	1/4	64,999
1/2		1/2	156,193	1/2	144,764	1/2	133,335	1/2	121,906	1/2	110,477	1/2	99,048	1/2	87,619	1/2	76,190	1/2	64,761
3/4		3/4	155,955	3/4	144,526	3/4	133,097	3/4	121,668	3/4	110,239	3/4	98,810	3/4	87,381	3/4	75,952	3/4	64,523
6		6	155,717	6	144,288	6	132,859	6	121,430	6	110,001	6	98,572	6	87,143	6	75,714	6	64,285
1/4		1/4	155,479	1/4	144,050	1/4	132,621	1/4	121,192	1/4	109,763	1/4	98,334	1/4	86,905	1/4	75,476	1/4	64,047
1/2		1/2	155,241	1/2	143,812	1/2	132,383	1/2	120,954	1/2	109,525	1/2	98,096	1/2	86,667	1/2	75,238	1/2	63,809
3/4		3/4	155,003	3/4	143,574	3/4	132,145	3/4	120,716	3/4	109,287	3/4	97,858	3/4	86,429	3/4	75,000	3/4	63,571
7		7	154,765	7	143,336	7	131,907	7	120,478	7	109,049	7	97,620	7	86,191	7	74,762	7	63,332
1/4		1/4	154,527	1/4	143,098	1/4	131,669	1/4	120,240	1/4	108,811	1/4	97,382	1/4	85,952	1/4	74,523	1/4	63,094
1/2		1/2	154,289	1/2	142,860	1/2	131,431	1/2	120,002	1/2	108,572	1/2	97,143	1/2	85,714	1/2	74,285	1/2	62,856
3/4		3/4	154,051	3/4	142,622	3/4	131,192	3/4	119,763	3/4	108,334	3/4	96,905	3/4	85,476	3/4	74,047	3/4	62,618
8		8	153,812	8	142,383	8	130,954	8	119,525	8	108,096	8	96,667	8	85,238	8	73,809	8	62,380
1/4		1/4	153,574	1/4	142,145	1/4	130,716	1/4	119,287	1/4	107,858	1/4	96,429	1/4	85,000	1/4	73,571	1/4	62,142
1/2		1/2	153,336	1/2	141,907	1/2	130,478	1/2	119,049	1/2	107,620	1/2	96,191	1/2	84,762	1/2	73,333	1/2	61,904
3/4		3/4	153,098	3/4	141,669	3/4	130,240	3/4	118,811	3/4	107,382	3/4	95,953	3/4	84,524	3/4	73,095	3/4	61,666
9		9	152,860	9	141,431	9	130,002	9	118,573	9	107,144	9	95,715	9	84,286	9	72,857	9	61,428
1/4		1/4	152,622	1/4	141,193	1/4	129,764	1/4	118,335	1/4	106,906	1/4	95,477	1/4	84,048	1/4	72,619	1/4	61,190
1/2		1/2	152,384	1/2	140,955	1/2	129,526	1/2	118,097	1/2	106,668	1/2	95,239	1/2	83,810	1/2	72,380	1/2	60,951
3/4		3/4	152,146	3/4	140,717	3/4	129,288	3/4	117,859	3/4	106,430	3/4	95,000	3/4	83,571	3/4	72,142	3/4	60,713
10		10	151,908	10	140,479	10	129,050	10	117,620	10	106,191	10	94,762	10	83,333	10	71,904	10	60,475
1/4		1/4	151,670	1/4	140,240	1/4	128,811	1/4	117,382	1/4	105,953	1/4	94,524	1/4	83,095	1/4	71,666	1/4	60,237
1/2		1/2	151,431	1/2	140,002	1/2	128,573	1/2	117,144	1/2	105,715	1/2	94,286	1/2	82,857	1/2	71,428	1/2	59,999
3/4		3/4	151,193	3/4	139,764	3/4	128,335	3/4	116,906	3/4	105,477	3/4	94,048	3/4	82,619	3/4	71,190	3/4	59,761
11		11	150,955	11	139,526	11	128,097	11	116,668	11	105,239	11	93,810	11	82,381	11	70,952	11	59,523
1/4		1/4	150,717	1/4	139,288	1/4	127,859	1/4	116,430	1/4	105,001	1/4	93,572	1/4	82,143	1/4	70,714	1/4	59,285
1/2		1/2	150,479	1/2	139,050	1/2	127,621	1/2	116,192	1/2	104,763	1/2	93,334	1/2	81,905	1/2	70,476	1/2	59,047
3/4		3/4	160,230	3/4	150,241	3/4	138,812	3/4	127,383	3/4	115,954	3/4	104,525	3/4	81,667	3/4	70,238	3/4	58,808

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE.

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

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "IB 1967"

## 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	58,570	0	47,141	0	35,714	0	24,301	0	12,872	0	1,455	0		0		0		0	
1/4	58,332	1/4	46,903	1/4	35,476	1/4	24,063	1/4	12,634	1/4	1,257	1/4		1/4		1/4		1/4	
1/2	58,094	1/2	46,665	1/2	35,238	1/2	23,825	1/2	12,396	1/2	1,058	1/2		1/2		1/2		1/2	
3/4	57,856	3/4	46,427	3/4	35,001	3/4	23,587	3/4	12,158	3/4	860	3/4		3/4		3/4		3/4	
1	57,618	1	46,189	1	34,763	1	23,349	1	11,920	1	662	1		1		1		1	
1/4	57,380	1/4	45,951	1/4	34,525	1/4	23,111	1/4	11,682	1/4	543	1/4		1/4		1/4		1/4	
1/2	57,142	1/2	45,713	1/2	34,288	1/2	22,872	1/2	11,444	1/2	423	1/2		1/2		1/2		1/2	
3/4	56,904	3/4	45,475	3/4	34,050	3/4	22,634	3/4	11,206	3/4	304	3/4		3/4		3/4		3/4	
2	56,666	2	45,236	2	33,812	2	22,396	2	10,968	2	185	2		2		2		2	
1/4	56,427	1/4	44,998	1/4	33,575	1/4	22,158	1/4	10,730	1/4	146	1/4		1/4		1/4		1/4	
1/2	56,189	1/2	44,760	1/2	33,337	1/2	21,920	1/2	10,491	1/2	106	1/2		1/2		1/2		1/2	
3/4	55,951	3/4	44,522	3/4	33,099	3/4	21,682	3/4	10,253	3/4	66	3/4		3/4		3/4		3/4	
3	55,713	3	44,284	3	32,862	3	21,444	3	10,015	3	26	3		3		3		3	
1/4	55,475	1/4	44,046	1/4	32,624	1/4	21,206	1/4	9,777	1/4		1/4		1/4		1/4		1/4	
1/2	55,237	1/2	43,808	1/2	32,386	1/2	20,968	1/2	9,539	1/2		1/2		1/2		1/2		1/2	
3/4	54,999	3/4	43,570	3/4	32,149	3/4	20,730	3/4	9,301	3/4		3/4		3/4		3/4		3/4	
4	54,761	4	43,332	4	31,911	4	20,491	4	9,063	4		4		4		4		4	
1/4	54,523	1/4	43,094	1/4	31,674	1/4	20,253	1/4	8,825	1/4		1/4		1/4		1/4		1/4	
1/2	54,284	1/2	42,855	1/2	31,436	1/2	20,015	1/2	8,587	1/2		1/2		1/2		1/2		1/2	
3/4	54,046	3/4	42,617	3/4	31,198	3/4	19,777	3/4	8,349	3/4		3/4		3/4		3/4		3/4	
5	53,808	5	42,379	5	30,961	5	19,539	5	8,110	5		5		5		5		5	
1/4	53,570	1/4	42,141	1/4	30,723	1/4	19,301	1/4	7,872	1/4		1/4		1/4		1/4		1/4	
1/2	53,332	1/2	41,903	1/2	30,485	1/2	19,063	1/2	7,634	1/2		1/2		1/2		1/2		1/2	
3/4	53,094	3/4	41,665	3/4	30,248	3/4	18,825	3/4	7,396	3/4		3/4		3/4		3/4		3/4	
6	52,856	6	41,427	6	30,010	6	18,587	6	7,158	6		6		6		6		6	
1/4	52,618	1/4	41,189	1/4	29,772	1/4	18,349	1/4	6,920	1/4		1/4		1/4		1/4		1/4	
1/2	52,380	1/2	40,951	1/2	29,535	1/2	18,110	1/2	6,682	1/2		1/2		1/2		1/2		1/2	
3/4	52,142	3/4	40,712	3/4	29,297	3/4	17,872	3/4	6,444	3/4		3/4		3/4		3/4		3/4	
7	51,903	7	40,474	7	29,059	7	17,634	7	6,206	7		7		7		7		7	
1/4	51,665	1/4	40,236	1/4	28,822	1/4	17,396	1/4	5,968	1/4		1/4		1/4		1/4		1/4	
1/2	51,427	1/2	39,998	1/2	28,584	1/2	17,158	1/2	5,730	1/2		1/2		1/2		1/2		1/2	
3/4	51,189	3/4	39,760	3/4	28,346	3/4	16,920	3/4	5,492	3/4		3/4		3/4		3/4		3/4	
8	50,951	8	39,522	8	28,109	8	16,682	8	5,253	8		8		8		8		8	
1/4	50,713	1/4	39,284	1/4	27,871	1/4	16,444	1/4	5,015	1/4		1/4		1/4		1/4		1/4	
1/2	50,475	1/2	39,046	1/2	27,633	1/2	16,206	1/2	4,777	1/2		1/2		1/2		1/2		1/2	
3/4	50,237	3/4	38,808	3/4	27,396	3/4	15,968	3/4	4,539	3/4		3/4		3/4		3/4		3/4	
9	49,999	9	38,570	9	27,158	9	15,730	9	4,301	9		9		9		9		9	
1/4	49,760	1/4	38,331	1/4	26,920	1/4	15,491	1/4	4,063	1/4		1/4		1/4		1/4		1/4	
1/2	49,522	1/2	38,093	1/2	26,682	1/2	15,253	1/2	3,825	1/2		1/2		1/2		1/2		1/2	
3/4	49,284	3/4	37,855	3/4	26,444	3/4	15,015	3/4	3,587	3/4		3/4		3/4		3/4		3/4	
10	49,046	10	37,617	10	26,206	10	14,777	10	3,349	10		10		10		10		10	
1/4	48,808	1/4	37,379	1/4	25,968	1/4	14,539	1/4	3,112	1/4		1/4		1/4		1/4		1/4	
1/2	48,570	1/2	37,141	1/2	25,730	1/2	14,301	1/2	2,874	1/2		1/2		1/2		1/2		1/2	
3/4	48,332	3/4	36,903	3/4	25,491	3/4	14,063	3/4	2,637	3/4		3/4		3/4		3/4		3/4	
11	48,094	11	36,665	11	25,253	11	13,825	11	2,399	11		11		11		11		11	
1/4	47,856	1/4	36,427	1/4	25,015	1/4	13,587	1/4	2,163	1/4		1/4		1/4		1/4		1/4	
1/2	47,618	1/2	36,189	1/2	24,777	1/2	13,349	1/2	1,927	1/2		1/2		1/2		1/2		1/2	
3/4	47,379	3/4	35,952	3/4	24,539	3/4	13,110	3/4	1,691	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/04/2016 CL  
CALCULATED: 03/06/2016 CL  
PRINTED: 03/06/2016 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2016

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