



# BARGE "IB 1969"

## INNAGE 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	- 00-5/8	00-5/8	- 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	- 00-5/8	00-5/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 182'-09"

March 17, 2016

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

<http://www.pmacorp.net>



# BARGE "IB 1969"

## 1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-03 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	26	0	10,173	0	22,171	0	34,010	0	45,897	0	57,889	0	69,863	0	81,861	0	93,859	0	105,856
1/4	68	1/4	10,423	1/4	22,421	1/4	34,253	1/4	46,147	1/4	58,138	1/4	70,113	1/4	82,111	1/4	94,109	1/4	106,106
1/2	110	1/2	10,673	1/2	22,671	1/2	34,496	1/2	46,397	1/2	58,388	1/2	70,363	1/2	82,361	1/2	94,359	1/2	106,356
3/4	152	3/4	10,923	3/4	22,921	3/4	34,740	3/4	46,647	3/4	58,637	3/4	70,613	3/4	82,611	3/4	94,608	3/4	106,606
1	193	1	11,173	1	23,171	1	34,983	1	46,897	1	58,886	1	70,863	1	82,861	1	94,858	1	106,856
1/4	285	1/4	11,423	1/4	23,421	1/4	35,226	1/4	47,146	1/4	59,136	1/4	71,113	1/4	83,111	1/4	95,108	1/4	107,106
1/2	377	1/2	11,673	1/2	23,671	1/2	35,469	1/2	47,396	1/2	59,385	1/2	71,363	1/2	83,361	1/2	95,358	1/2	107,356
3/4	469	3/4	11,923	3/4	23,921	3/4	35,713	3/4	47,646	3/4	59,635	3/4	71,613	3/4	83,611	3/4	95,608	3/4	107,606
2	561	2	12,173	2	24,171	2	35,956	2	47,896	2	59,884	2	71,863	2	83,861	2	95,858	2	107,856
1/4	725	1/4	12,423	1/4	24,421	1/4	36,199	1/4	48,146	1/4	60,133	1/4	72,113	1/4	84,111	1/4	96,108	1/4	108,106
1/2	890	1/2	12,673	1/2	24,671	1/2	36,443	1/2	48,395	1/2	60,383	1/2	72,363	1/2	84,361	1/2	96,358	1/2	108,356
3/4	1,054	3/4	12,923	3/4	24,921	3/4	36,686	3/4	48,645	3/4	60,632	3/4	72,613	3/4	84,611	3/4	96,608	3/4	108,606
3	1,218	3	13,173	3	25,171	3	36,929	3	48,895	3	60,881	3	72,863	3	84,861	3	96,858	3	108,856
1/4	1,455	1/4	13,423	1/4	25,421	1/4	37,173	1/4	49,145	1/4	61,131	1/4	73,112	1/4	85,110	1/4	97,108	1/4	109,106
1/2	1,693	1/2	13,672	1/2	25,671	1/2	37,416	1/2	49,395	1/2	61,380	1/2	73,362	1/2	85,360	1/2	97,358	1/2	109,356
3/4	1,930	3/4	13,922	3/4	25,921	3/4	37,659	3/4	49,645	3/4	61,629	3/4	73,612	3/4	85,610	3/4	97,608	3/4	109,606
4	2,167	4	14,172	4	26,171	4	37,903	4	49,894	4	61,879	4	73,862	4	85,860	4	97,858	4	109,855
1/4	2,417	1/4	14,422	1/4	26,421	1/4	38,152	1/4	50,144	1/4	62,128	1/4	74,112	1/4	86,110	1/4	98,108	1/4	110,105
1/2	2,667	1/2	14,672	1/2	26,671	1/2	38,402	1/2	50,394	1/2	62,377	1/2	74,362	1/2	86,360	1/2	98,357	1/2	110,355
3/4	2,917	3/4	14,922	3/4	26,921	3/4	38,652	3/4	50,644	3/4	62,627	3/4	74,612	3/4	86,610	3/4	98,607	3/4	110,605
5	3,166	5	15,172	5	27,171	5	38,902	5	50,894	5	62,876	5	74,862	5	86,860	5	98,857	5	110,855
1/4	3,417	1/4	15,422	1/4	27,421	1/4	39,152	1/4	51,144	1/4	63,126	1/4	75,112	1/4	87,110	1/4	99,107	1/4	111,105
1/2	3,667	1/2	15,672	1/2	27,671	1/2	39,402	1/2	51,393	1/2	63,375	1/2	75,362	1/2	87,360	1/2	99,357	1/2	111,355
3/4	3,918	3/4	15,922	3/4	27,921	3/4	39,651	3/4	51,643	3/4	63,624	3/4	75,612	3/4	87,610	3/4	99,607	3/4	111,605
6	4,168	6	16,172	6	28,171	6	39,901	6	51,893	6	63,874	6	75,862	6	87,860	6	99,857	6	111,855
1/4	4,418	1/4	16,422	1/4	28,414	1/4	40,151	1/4	52,143	1/4	64,123	1/4	76,112	1/4	88,110	1/4	100,107	1/4	112,105
1/2	4,669	1/2	16,672	1/2	28,657	1/2	40,401	1/2	52,393	1/2	64,372	1/2	76,362	1/2	88,360	1/2	100,357	1/2	112,355
3/4	4,919	3/4	16,922	3/4	28,900	3/4	40,651	3/4	52,643	3/4	64,622	3/4	76,612	3/4	88,610	3/4	100,607	3/4	112,605
7	5,170	7	17,172	7	29,144	7	40,901	7	52,892	7	64,871	7	76,862	7	88,860	7	100,857	7	112,855
1/4	5,420	1/4	17,422	1/4	29,387	1/4	41,150	1/4	53,142	1/4	65,120	1/4	77,112	1/4	89,110	1/4	101,107	1/4	113,105
1/2	5,670	1/2	17,672	1/2	29,630	1/2	41,400	1/2	53,392	1/2	65,370	1/2	77,362	1/2	89,360	1/2	101,357	1/2	113,355
3/4	5,921	3/4	17,922	3/4	29,874	3/4	41,650	3/4	53,642	3/4	65,619	3/4	77,612	3/4	89,610	3/4	101,607	3/4	113,605
8	6,171	8	18,172	8	30,117	8	41,900	8	53,892	8	65,868	8	77,862	8	89,860	8	101,857	8	113,855
1/4	6,421	1/4	18,422	1/4	30,360	1/4	42,150	1/4	54,142	1/4	66,118	1/4	78,112	1/4	90,110	1/4	102,107	1/4	114,105
1/2	6,671	1/2	18,672	1/2	30,604	1/2	42,400	1/2	54,391	1/2	66,367	1/2	78,362	1/2	90,360	1/2	102,357	1/2	114,355
3/4	6,921	3/4	18,922	3/4	30,847	3/4	42,649	3/4	54,641	3/4	66,617	3/4	78,612	3/4	90,610	3/4	102,607	3/4	114,605
9	7,171	9	19,172	9	31,090	9	42,899	9	54,891	9	66,866	9	78,862	9	90,860	9	102,857	9	114,855
1/4	7,421	1/4	19,422	1/4	31,333	1/4	43,149	1/4	55,141	1/4	67,115	1/4	79,111	1/4	91,109	1/4	103,107	1/4	115,105
1/2	7,672	1/2	19,672	1/2	31,577	1/2	43,399	1/2	55,391	1/2	67,365	1/2	79,361	1/2	91,359	1/2	103,357	1/2	115,355
3/4	7,922	3/4	19,922	3/4	31,820	3/4	43,649	3/4	55,641	3/4	67,614	3/4	79,611	3/4	91,609	3/4	103,607	3/4	115,605
10	8,172	10	20,172	10	32,063	10	43,899	10	55,890	10	67,863	10	79,861	10	91,859	10	103,856	10	115,854
1/4	8,422	1/4	20,422	1/4	32,307	1/4	44,148	1/4	56,140	1/4	68,113	1/4	80,111	1/4	92,109	1/4	104,106	1/4	116,104
1/2	8,672	1/2	20,672	1/2	32,550	1/2	44,398	1/2	56,390	1/2	68,363	1/2	80,361	1/2	92,359	1/2	104,356	1/2	116,354
3/4	8,923	3/4	20,922	3/4	32,793	3/4	44,648	3/4	56,640	3/4	68,613	3/4	80,611	3/4	92,609	3/4	104,606	3/4	116,604
11	9,173	11	21,172	11	33,036	11	44,898	11	56,890	11	68,863	11	80,861	11	92,859	11	104,856	11	116,854
1/4	9,423	1/4	21,421	1/4	33,280	1/4	45,148	1/4	57,140	1/4	69,113	1/4	81,111	1/4	93,109	1/4	105,106	1/4	117,105
1/2	9,673	1/2	21,671	1/2	33,523	1/2	45,398	1/2	57,389	1/2	69,363	1/2	81,361	1/2	93,359	1/2	105,356	1/2	117,355
3/4	9,923	3/4	21,921	3/4	33,766	3/4	45,647	3/4	57,639	3/4	69,613	3/4	81,611	3/4	93,609	3/4	105,606	3/4	117,606

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 32'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
 Pearland, Texas 77588  
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# BARGE "IB 1969"

## 1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-03 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	117,856	0	128,461	0	136,233	0	144,005	0	151,769	0		0		0		0		0	
1/4	118,107	1/4	128,623	1/4	136,395	1/4	144,167	1/4	151,906	1/4		1/4		1/4		1/4		1/4	
1/2	118,357	1/2	128,785	1/2	136,557	1/2	144,329	1/2	152,044	1/2		1/2		1/2		1/2		1/2	
3/4	118,607	3/4	128,947	3/4	136,719	3/4	144,491	3/4	152,181	3/4		3/4		3/4		3/4		3/4	
1	118,858	1	129,109	1	136,881	1	144,653	1	152,319	1		1		1		1		1	
1/4	119,108	1/4	129,271	1/4	137,043	1/4	144,815	1/4	152,377	1/4		1/4		1/4		1/4		1/4	
1/2	119,359	1/2	129,433	1/2	137,205	1/2	144,977	1/2	152,434	1/2		1/2		1/2		1/2		1/2	
3/4	119,609	3/4	129,595	3/4	137,367	3/4	145,139	3/4	152,492	3/4		3/4		3/4		3/4		3/4	
2	119,860	2	129,757	2	137,529	2	145,301	2	152,549	2		2		2		2		2	
1/4	120,110	1/4	129,919	1/4	137,691	1/4	145,462	1/4	152,612	1/4		1/4		1/4		1/4		1/4	
1/2	120,361	1/2	130,081	1/2	137,852	1/2	145,624	1/2	152,674	1/2		1/2		1/2		1/2		1/2	
3/4	120,611	3/4	130,242	3/4	138,014	3/4	145,786	3/4	152,737	3/4		3/4		3/4		3/4		3/4	
3	120,862	3	130,404	3	138,176	3	145,948	3	152,800	3		3		3		3		3	
1/4	121,112	1/4	130,566	1/4	138,338	1/4	146,110	1/4	152,810	1/4		1/4		1/4		1/4		1/4	
1/2	121,362	1/2	130,728	1/2	138,500	1/2	146,272	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	121,613	3/4	130,890	3/4	138,662	3/4	146,434	3/4		3/4		3/4		3/4		3/4		3/4	
4	121,863	4	131,052	4	138,824	4	146,596	4	4	4		4		4		4		4	
1/4	122,114	1/4	131,214	1/4	138,986	1/4	146,758	1/4	1/4	1/4		1/4		1/4		1/4		1/4	
1/2	122,364	1/2	131,376	1/2	139,148	1/2	146,920	1/2	1/2	1/2		1/2		1/2		1/2		1/2	
3/4	122,615	3/4	131,538	3/4	139,310	3/4	147,082	3/4	3/4	3/4		3/4		3/4		3/4		3/4	
5	122,865	5	131,700	5	139,472	5	147,244	5	5	5		5		5		5		5	
1/4	123,116	1/4	131,862	1/4	139,634	1/4	147,405	1/4	1/4	1/4		1/4		1/4		1/4		1/4	
1/2	123,366	1/2	132,023	1/2	139,795	1/2	147,567	1/2	1/2	1/2		1/2		1/2		1/2		1/2	
3/4	123,617	3/4	132,185	3/4	139,957	3/4	147,729	3/4	3/4	3/4		3/4		3/4		3/4		3/4	
6	123,867	6	132,347	6	140,119	6	147,891	6	6	6		6		6		6		6	
1/4	124,118	1/4	132,509	1/4	140,281	1/4	148,053	1/4	1/4	1/4		1/4		1/4		1/4		1/4	
1/2	124,368	1/2	132,671	1/2	140,443	1/2	148,215	1/2	1/2	1/2		1/2		1/2		1/2		1/2	
3/4	124,618	3/4	132,833	3/4	140,605	3/4	148,377	3/4	3/4	3/4		3/4		3/4		3/4		3/4	
7	124,869	7	132,995	7	140,767	7	148,539	7	7	7		7		7		7		7	
1/4	125,119	1/4	133,157	1/4	140,929	1/4	148,701	1/4	1/4	1/4		1/4		1/4		1/4		1/4	
1/2	125,370	1/2	133,319	1/2	141,091	1/2	148,863	1/2	1/2	1/2		1/2		1/2		1/2		1/2	
3/4	125,620	3/4	133,481	3/4	141,253	3/4	149,025	3/4	3/4	3/4		3/4		3/4		3/4		3/4	
8	125,871	8	133,643	8	141,415	8	149,187	8	8	8		8		8		8		8	
1/4	126,033	1/4	133,805	1/4	141,576	1/4	149,348	1/4	1/4	1/4		1/4		1/4		1/4		1/4	
1/2	126,195	1/2	133,966	1/2	141,738	1/2	149,510	1/2	1/2	1/2		1/2		1/2		1/2		1/2	
3/4	126,356	3/4	134,128	3/4	141,900	3/4	149,672	3/4	3/4	3/4		3/4		3/4		3/4		3/4	
9	126,518	9	134,290	9	142,062	9	149,834	9	9	9		9		9		9		9	
1/4	126,680	1/4	134,452	1/4	142,224	1/4	149,996	1/4	1/4	1/4		1/4		1/4		1/4		1/4	
1/2	126,842	1/2	134,614	1/2	142,386	1/2	150,158	1/2	1/2	1/2		1/2		1/2		1/2		1/2	
3/4	127,004	3/4	134,776	3/4	142,548	3/4	150,320	3/4	3/4	3/4		3/4		3/4		3/4		3/4	
10	127,166	10	134,938	10	142,710	10	150,482	10	10	10		10		10		10		10	
1/4	127,328	1/4	135,100	1/4	142,872	1/4	150,643	1/4	1/4	1/4		1/4		1/4		1/4		1/4	
1/2	127,490	1/2	135,262	1/2	143,034	1/2	150,805	1/2	1/2	1/2		1/2		1/2		1/2		1/2	
3/4	127,652	3/4	135,424	3/4	143,196	3/4	150,966	3/4	3/4	3/4		3/4		3/4		3/4		3/4	
11	127,814	11	135,586	11	143,358	11	151,128	11	11	11		11		11		11		11	
1/4	127,976	1/4	135,748	1/4	143,519	1/4	151,288	1/4	1/4	1/4		1/4		1/4		1/4		1/4	
1/2	128,138	1/2	135,909	1/2	143,681	1/2	151,448	1/2	1/2	1/2		1/2		1/2		1/2		1/2	
3/4	128,299	3/4	136,071	3/4	143,843	3/4	151,609	3/4	3/4	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/17/2016 CL  
CALCULATED: 03/17/2016 CL  
PRINTED: 03/18/2016 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 1969"

## 2 CENTER INNAGE 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	26	0	10,110	0	21,648	0	33,016	0	44,441	0	55,979	0	67,517	0	79,055	0	90,593	0	102,132
1/4	66	1/4	10,350	1/4	21,888	1/4	33,249	1/4	44,682	1/4	56,220	1/4	67,758	1/4	79,296	1/4	90,834	1/4	102,372
1/2	106	1/2	10,591	1/2	22,128	1/2	33,482	1/2	44,922	1/2	56,460	1/2	67,998	1/2	79,536	1/2	91,074	1/2	102,612
3/4	146	3/4	10,831	3/4	22,369	3/4	33,716	3/4	45,162	3/4	56,700	3/4	68,238	3/4	79,777	3/4	91,315	3/4	102,853
1	186	1	11,072	1	22,609	1	33,949	1	45,403	1	56,941	1	68,479	1	80,017	1	91,555	1	103,093
1/4	307	1/4	11,312	1/4	22,850	1/4	34,182	1/4	45,643	1/4	57,181	1/4	68,719	1/4	80,257	1/4	91,795	1/4	103,333
1/2	427	1/2	11,552	1/2	23,090	1/2	34,416	1/2	45,884	1/2	57,422	1/2	68,960	1/2	80,498	1/2	92,036	1/2	103,574
3/4	547	3/4	11,793	3/4	23,330	3/4	34,649	3/4	46,124	3/4	57,662	3/4	69,200	3/4	80,738	3/4	92,276	3/4	103,814
2	667	2	12,033	2	23,571	2	34,882	2	46,364	2	57,902	2	69,440	2	80,978	2	92,516	2	104,055
1/4	867	1/4	12,273	1/4	23,811	1/4	35,116	1/4	46,605	1/4	58,143	1/4	69,681	1/4	81,219	1/4	92,757	1/4	104,295
1/2	1,068	1/2	12,514	1/2	24,051	1/2	35,349	1/2	46,845	1/2	58,383	1/2	69,921	1/2	81,459	1/2	92,997	1/2	104,535
3/4	1,268	3/4	12,754	3/4	24,292	3/4	35,582	3/4	47,085	3/4	58,623	3/4	70,161	3/4	81,700	3/4	93,238	3/4	104,776
3	1,468	3	12,994	3	24,532	3	35,816	3	47,326	3	58,864	3	70,402	3	81,940	3	93,478	3	105,016
1/4	1,706	1/4	13,235	1/4	24,772	1/4	36,049	1/4	47,566	1/4	59,104	1/4	70,642	1/4	82,180	1/4	93,718	1/4	105,256
1/2	1,945	1/2	13,475	1/2	25,013	1/2	36,282	1/2	47,807	1/2	59,345	1/2	70,883	1/2	82,421	1/2	93,959	1/2	105,497
3/4	2,183	3/4	13,716	3/4	25,253	3/4	36,516	3/4	48,047	3/4	59,585	3/4	71,123	3/4	82,661	3/4	94,199	3/4	105,737
4	2,421	4	13,956	4	25,494	4	36,749	4	48,287	4	59,825	4	71,363	4	82,901	4	94,439	4	105,978
1/4	2,661	1/4	14,196	1/4	25,734	1/4	36,990	1/4	48,528	1/4	60,066	1/4	71,604	1/4	83,142	1/4	94,680	1/4	106,218
1/2	2,901	1/2	14,437	1/2	25,974	1/2	37,230	1/2	48,768	1/2	60,306	1/2	71,844	1/2	83,382	1/2	94,920	1/2	106,458
3/4	3,140	3/4	14,677	3/4	26,215	3/4	37,470	3/4	49,008	3/4	60,546	3/4	72,084	3/4	83,623	3/4	95,161	3/4	106,699
5	3,380	5	14,917	5	26,455	5	37,711	5	49,249	5	60,787	5	72,325	5	83,863	5	95,401	5	106,939
1/4	3,621	1/4	15,158	1/4	26,695	1/4	37,951	1/4	49,489	1/4	61,027	1/4	72,565	1/4	84,103	1/4	95,641	1/4	107,179
1/2	3,861	1/2	15,398	1/2	26,936	1/2	38,191	1/2	49,730	1/2	61,268	1/2	72,806	1/2	84,344	1/2	95,882	1/2	107,420
3/4	4,101	3/4	15,638	3/4	27,176	3/4	38,432	3/4	49,970	3/4	61,508	3/4	73,046	3/4	84,584	3/4	96,122	3/4	107,660
6	4,341	6	15,879	6	27,416	6	38,672	6	50,210	6	61,748	6	73,286	6	84,824	6	96,362	6	107,901
1/4	4,582	1/4	16,119	1/4	27,650	1/4	38,913	1/4	50,451	1/4	61,989	1/4	73,527	1/4	85,065	1/4	96,603	1/4	108,141
1/2	4,822	1/2	16,360	1/2	27,883	1/2	39,153	1/2	50,691	1/2	62,229	1/2	73,767	1/2	85,305	1/2	96,843	1/2	108,381
3/4	5,063	3/4	16,600	3/4	28,116	3/4	39,393	3/4	50,931	3/4	62,469	3/4	74,008	3/4	85,546	3/4	97,084	3/4	108,622
7	5,303	7	16,840	7	28,350	7	39,634	7	51,172	7	62,710	7	74,248	7	85,786	7	97,324	7	108,862
1/4	5,543	1/4	17,081	1/4	28,583	1/4	39,874	1/4	51,412	1/4	62,950	1/4	74,488	1/4	86,026	1/4	97,564	1/4	109,102
1/2	5,784	1/2	17,321	1/2	28,816	1/2	40,114	1/2	51,653	1/2	63,191	1/2	74,729	1/2	86,267	1/2	97,805	1/2	109,343
3/4	6,024	3/4	17,561	3/4	29,050	3/4	40,355	3/4	51,893	3/4	63,431	3/4	74,969	3/4	86,507	3/4	98,045	3/4	109,583
8	6,264	8	17,802	8	29,283	8	40,595	8	52,133	8	63,671	8	75,209	8	86,747	8	98,285	8	109,824
1/4	6,505	1/4	18,042	1/4	29,516	1/4	40,836	1/4	52,374	1/4	63,912	1/4	75,450	1/4	86,988	1/4	98,526	1/4	110,064
1/2	6,745	1/2	18,283	1/2	29,750	1/2	41,076	1/2	52,614	1/2	64,152	1/2	75,690	1/2	87,228	1/2	98,766	1/2	110,304
3/4	6,985	3/4	18,523	3/4	29,983	3/4	41,316	3/4	52,854	3/4	64,392	3/4	75,931	3/4	87,469	3/4	99,007	3/4	110,545
9	7,226	9	18,763	9	30,216	9	41,557	9	53,095	9	64,633	9	76,171	9	87,709	9	99,247	9	110,785
1/4	7,466	1/4	19,004	1/4	30,449	1/4	41,797	1/4	53,335	1/4	64,873	1/4	76,411	1/4	87,949	1/4	99,487	1/4	111,025
1/2	7,706	1/2	19,244	1/2	30,683	1/2	42,037	1/2	53,576	1/2	65,114	1/2	76,652	1/2	88,190	1/2	99,728	1/2	111,266
3/4	7,947	3/4	19,484	3/4	30,916	3/4	42,278	3/4	53,816	3/4	65,354	3/4	76,892	3/4	88,430	3/4	99,968	3/4	111,506
10	8,187	10	19,725	10	31,149	10	42,518	10	54,056	10	65,594	10	77,132	10	88,670	10	100,209	10	111,747
1/4	8,427	1/4	19,965	1/4	31,383	1/4	42,759	1/4	54,297	1/4	65,835	1/4	77,373	1/4	88,911	1/4	100,449	1/4	111,987
1/2	8,668	1/2	20,205	1/2	31,616	1/2	42,999	1/2	54,537	1/2	66,075	1/2	77,613	1/2	89,151	1/2	100,689	1/2	112,227
3/4	8,908	3/4	20,446	3/4	31,849	3/4	43,239	3/4	54,777	3/4	66,315	3/4	77,854	3/4	89,392	3/4	100,930	3/4	112,468
11	9,149	11	20,686	11	32,083	11	43,480	11	55,018	11	66,556	11	78,094	11	89,632	11	101,170	11	112,708
1/4	9,389	1/4	20,927	1/4	32,316	1/4	43,720	1/4	55,258	1/4	66,796	1/4	78,334	1/4	89,872	1/4	101,410	1/4	112,948
1/2	9,629	1/2	21,167	1/2	32,549	1/2	43,960	1/2	55,499	1/2	67,037	1/2	78,575	1/2	90,113	1/2	101,651	1/2	113,189
3/4	9,870	3/4	21,407	3/4	32,783	3/4	44,201	3/4	55,739	3/4	67,277	3/4	78,815	3/4	90,353	3/4	101,891	3/4	113,429

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'-06" FORWARD OF AFT BULKHEAD.

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



# BARGE "IB 1969"

## 2 CENTER INNAGE 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	113,670	0	125,208	0	136,746	0	148,284	0	159,814	0		0		0		0		0	
1/4	113,910	1/4	125,448	1/4	136,986	1/4	148,524	1/4	160,031	1/4		1/4		1/4		1/4		1/4	
1/2	114,150	1/2	125,688	1/2	137,226	1/2	148,764	1/2	160,248	1/2		1/2		1/2		1/2		1/2	
3/4	114,391	3/4	125,929	3/4	137,467	3/4	149,005	3/4	160,465	3/4		3/4		3/4		3/4		3/4	
1	114,631	1	126,169	1	137,707	1	149,245	1	160,682	1		1		1		1		1	
1/4	114,871	1/4	126,409	1/4	137,948	1/4	149,486	1/4	160,822	1/4		1/4		1/4		1/4		1/4	
1/2	115,112	1/2	126,650	1/2	138,188	1/2	149,726	1/2	160,962	1/2		1/2		1/2		1/2		1/2	
3/4	115,352	3/4	126,890	3/4	138,428	3/4	149,966	3/4	161,102	3/4		3/4		3/4		3/4		3/4	
2	115,593	2	127,131	2	138,669	2	150,207	2	161,243	2		2		2		2		2	
1/4	115,833	1/4	127,371	1/4	138,909	1/4	150,447	1/4	161,303	1/4		1/4		1/4		1/4		1/4	
1/2	116,073	1/2	127,611	1/2	139,149	1/2	150,687	1/2	161,363	1/2		1/2		1/2		1/2		1/2	
3/4	116,314	3/4	127,852	3/4	139,390	3/4	150,928	3/4	161,423	3/4		3/4		3/4		3/4		3/4	
3	116,554	3	128,092	3	139,630	3	151,168	3	161,483	3		3		3		3		3	
1/4	116,794	1/4	128,333	1/4	139,871	1/4	151,409	1/4	161,493	1/4		1/4		1/4		1/4		1/4	
1/2	117,035	1/2	128,573	1/2	140,111	1/2	151,649	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	117,275	3/4	128,813	3/4	140,351	3/4	151,889	3/4		3/4		3/4		3/4		3/4		3/4	
4	117,516	4	129,054	4	140,592	4	152,130	4		4		4		4		4		4	
1/4	117,756	1/4	129,294	1/4	140,832	1/4	152,370	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	117,996	1/2	129,534	1/2	141,072	1/2	152,610	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	118,237	3/4	129,775	3/4	141,313	3/4	152,851	3/4		3/4		3/4		3/4		3/4		3/4	
5	118,477	5	130,015	5	141,553	5	153,091	5		5		5		5		5		5	
1/4	118,717	1/4	130,256	1/4	141,794	1/4	153,332	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	118,958	1/2	130,496	1/2	142,034	1/2	153,572	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	119,198	3/4	130,736	3/4	142,274	3/4	153,812	3/4		3/4		3/4		3/4		3/4		3/4	
6	119,439	6	130,977	6	142,515	6	154,053	6		6		6		6		6		6	
1/4	119,679	1/4	131,217	1/4	142,755	1/4	154,293	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	119,919	1/2	131,457	1/2	142,995	1/2	154,533	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	120,160	3/4	131,698	3/4	143,236	3/4	154,774	3/4		3/4		3/4		3/4		3/4		3/4	
7	120,400	7	131,938	7	143,476	7	155,014	7		7		7		7		7		7	
1/4	120,640	1/4	132,179	1/4	143,717	1/4	155,255	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	120,881	1/2	132,419	1/2	143,957	1/2	155,495	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	121,121	3/4	132,659	3/4	144,197	3/4	155,735	3/4		3/4		3/4		3/4		3/4		3/4	
8	121,362	8	132,900	8	144,438	8	155,976	8		8		8		8		8		8	
1/4	121,602	1/4	133,140	1/4	144,678	1/4	156,216	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	121,842	1/2	133,380	1/2	144,918	1/2	156,457	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	122,083	3/4	133,621	3/4	145,159	3/4	156,697	3/4		3/4		3/4		3/4		3/4		3/4	
9	122,323	9	133,861	9	145,399	9	156,937	9		9		9		9		9		9	
1/4	122,563	1/4	134,102	1/4	145,640	1/4	157,178	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	122,804	1/2	134,342	1/2	145,880	1/2	157,418	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	123,044	3/4	134,582	3/4	146,120	3/4	157,658	3/4		3/4		3/4		3/4		3/4		3/4	
10	123,285	10	134,823	10	146,361	10	157,899	10		10		10		10		10		10	
1/4	123,525	1/4	135,063	1/4	146,601	1/4	158,139	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	123,765	1/2	135,303	1/2	146,841	1/2	158,379	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	124,006	3/4	135,544	3/4	147,082	3/4	158,619	3/4		3/4		3/4		3/4		3/4		3/4	
11	124,246	11	135,784	11	147,322	11	158,858	11		11		11		11		11		11	
1/4	124,486	1/4	136,025	1/4	147,563	1/4	159,097	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	124,727	1/2	136,265	1/2	147,803	1/2	159,336	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	124,967	3/4	136,505	3/4	148,043	3/4	159,575	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/17/2016 CL  
CALCULATED: 03/17/2016 CL  
PRINTED: 03/18/2016 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2016

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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# BARGE "IB 1969"

## 3 CENTER INNAGE 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	26	0	10,018	0	21,451	0	32,873	0	44,299	0	55,733	0	67,166	0	78,599	0	90,032	0	101,465
1/4	66	1/4	10,257	1/4	21,689	1/4	33,111	1/4	44,538	1/4	55,971	1/4	67,404	1/4	78,837	1/4	90,270	1/4	101,703
1/2	106	1/2	10,495	1/2	21,927	1/2	33,349	1/2	44,776	1/2	56,209	1/2	67,642	1/2	79,075	1/2	90,508	1/2	101,941
3/4	145	3/4	10,733	3/4	22,166	3/4	33,586	3/4	45,014	3/4	56,447	3/4	67,880	3/4	79,313	3/4	90,746	3/4	102,180
1	185	1	10,971	1	22,404	1	33,824	1	45,252	1	56,685	1	68,118	1	79,552	1	90,985	1	102,418
1/4	304	1/4	11,209	1/4	22,642	1/4	34,062	1/4	45,490	1/4	56,923	1/4	68,357	1/4	79,790	1/4	91,223	1/4	102,656
1/2	423	1/2	11,447	1/2	22,880	1/2	34,299	1/2	45,729	1/2	57,162	1/2	68,595	1/2	80,028	1/2	91,461	1/2	102,894
3/4	542	3/4	11,686	3/4	23,118	3/4	34,537	3/4	45,967	3/4	57,400	3/4	68,833	3/4	80,266	3/4	91,699	3/4	103,132
2	661	2	11,924	2	23,356	2	34,775	2	46,205	2	57,638	2	69,071	2	80,504	2	91,937	2	103,371
1/4	860	1/4	12,162	1/4	23,595	1/4	35,013	1/4	46,443	1/4	57,876	1/4	69,309	1/4	80,742	1/4	92,176	1/4	103,609
1/2	1,058	1/2	12,400	1/2	23,833	1/2	35,251	1/2	46,681	1/2	58,114	1/2	69,548	1/2	80,981	1/2	92,414	1/2	103,847
3/4	1,257	3/4	12,638	3/4	24,071	3/4	35,488	3/4	46,919	3/4	58,353	3/4	69,786	3/4	81,219	3/4	92,652	3/4	104,085
3	1,455	3	12,877	3	24,309	3	35,726	3	47,158	3	58,591	3	70,024	3	81,457	3	92,890	3	104,323
1/4	1,691	1/4	13,115	1/4	24,547	1/4	35,964	1/4	47,396	1/4	58,829	1/4	70,262	1/4	81,695	1/4	93,128	1/4	104,561
1/2	1,927	1/2	13,353	1/2	24,786	1/2	36,202	1/2	47,634	1/2	59,067	1/2	70,500	1/2	81,933	1/2	93,367	1/2	104,800
3/4	2,163	3/4	13,591	3/4	25,024	3/4	36,440	3/4	47,872	3/4	59,305	3/4	70,738	3/4	82,172	3/4	93,605	3/4	105,038
4	2,399	4	13,829	4	25,262	4	36,677	4	48,110	4	59,544	4	70,977	4	82,410	4	93,843	4	105,276
1/4	2,637	1/4	14,067	1/4	25,500	1/4	36,915	1/4	48,349	1/4	59,782	1/4	71,215	1/4	82,648	1/4	94,081	1/4	105,514
1/2	2,875	1/2	14,306	1/2	25,738	1/2	37,154	1/2	48,587	1/2	60,020	1/2	71,453	1/2	82,886	1/2	94,319	1/2	105,752
3/4	3,112	3/4	14,544	3/4	25,976	3/4	37,392	3/4	48,825	3/4	60,258	3/4	71,691	3/4	83,124	3/4	94,557	3/4	105,991
5	3,350	5	14,782	5	26,215	5	37,630	5	49,063	5	60,496	5	71,929	5	83,363	5	94,796	5	106,229
1/4	3,588	1/4	15,020	1/4	26,453	1/4	37,868	1/4	49,301	1/4	60,734	1/4	72,168	1/4	83,601	1/4	95,034	1/4	106,467
1/2	3,826	1/2	15,258	1/2	26,691	1/2	38,106	1/2	49,540	1/2	60,973	1/2	72,406	1/2	83,839	1/2	95,272	1/2	106,705
3/4	4,064	3/4	15,497	3/4	26,929	3/4	38,345	3/4	49,778	3/4	61,211	3/4	72,644	3/4	84,077	3/4	95,510	3/4	106,943
6	4,302	6	15,735	6	27,167	6	38,583	6	50,016	6	61,449	6	72,882	6	84,315	6	95,748	6	107,182
1/4	4,540	1/4	15,973	1/4	27,405	1/4	38,821	1/4	50,254	1/4	61,687	1/4	73,120	1/4	84,553	1/4	95,987	1/4	107,420
1/2	4,779	1/2	16,211	1/2	27,643	1/2	39,059	1/2	50,492	1/2	61,925	1/2	73,359	1/2	84,792	1/2	96,225	1/2	107,658
3/4	5,017	3/4	16,449	3/4	27,881	3/4	39,297	3/4	50,731	3/4	62,164	3/4	73,597	3/4	85,030	3/4	96,463	3/4	107,896
7	5,255	7	16,687	7	28,118	7	39,536	7	50,969	7	62,402	7	73,835	7	85,268	7	96,701	7	108,134
1/4	5,493	1/4	16,926	1/4	28,356	1/4	39,774	1/4	51,207	1/4	62,640	1/4	74,073	1/4	85,506	1/4	96,939	1/4	108,372
1/2	5,731	1/2	17,164	1/2	28,594	1/2	40,012	1/2	51,445	1/2	62,878	1/2	74,311	1/2	85,744	1/2	97,178	1/2	108,611
3/4	5,969	3/4	17,402	3/4	28,832	3/4	40,250	3/4	51,683	3/4	63,116	3/4	74,550	3/4	85,983	3/4	97,416	3/4	108,849
8	6,208	8	17,640	8	29,069	8	40,488	8	51,921	8	63,355	8	74,788	8	86,221	8	97,654	8	109,087
1/4	6,446	1/4	17,878	1/4	29,307	1/4	40,727	1/4	52,160	1/4	63,593	1/4	75,026	1/4	86,459	1/4	97,892	1/4	109,325
1/2	6,684	1/2	18,117	1/2	29,545	1/2	40,965	1/2	52,398	1/2	63,831	1/2	75,264	1/2	86,697	1/2	98,130	1/2	109,563
3/4	6,922	3/4	18,355	3/4	29,782	3/4	41,203	3/4	52,636	3/4	64,069	3/4	75,502	3/4	86,935	3/4	98,369	3/4	109,802
9	7,160	9	18,593	9	30,020	9	41,441	9	52,874	9	64,307	9	75,740	9	87,174	9	98,607	9	110,040
1/4	7,398	1/4	18,831	1/4	30,258	1/4	41,679	1/4	53,112	1/4	64,546	1/4	75,979	1/4	87,412	1/4	98,845	1/4	110,278
1/2	7,637	1/2	19,069	1/2	30,496	1/2	41,917	1/2	53,351	1/2	64,784	1/2	76,217	1/2	87,650	1/2	99,083	1/2	110,516
3/4	7,875	3/4	19,307	3/4	30,733	3/4	42,156	3/4	53,589	3/4	65,022	3/4	76,455	3/4	87,888	3/4	99,321	3/4	110,754
10	8,113	10	19,546	10	30,971	10	42,394	10	53,827	10	65,260	10	76,693	10	88,126	10	99,559	10	110,993
1/4	8,351	1/4	19,784	1/4	31,209	1/4	42,632	1/4	54,065	1/4	65,498	1/4	76,931	1/4	88,365	1/4	99,798	1/4	111,231
1/2	8,589	1/2	20,022	1/2	31,447	1/2	42,870	1/2	54,303	1/2	65,736	1/2	77,170	1/2	88,603	1/2	100,036	1/2	111,469
3/4	8,827	3/4	20,260	3/4	31,684	3/4	43,108	3/4	54,542	3/4	65,975	3/4	77,408	3/4	88,841	3/4	100,274	3/4	111,707
11	9,066	11	20,498	11	31,922	11	43,347	11	54,780	11	66,213	11	77,646	11	89,079	11	100,512	11	111,945
1/4	9,304	1/4	20,737	1/4	32,160	1/4	43,585	1/4	55,018	1/4	66,451	1/4	77,884	1/4	89,317	1/4	100,750	1/4	112,184
1/2	9,542	1/2	20,975	1/2	32,398	1/2	43,823	1/2	55,256	1/2	66,689	1/2	78,122	1/2	89,555	1/2	100,989	1/2	112,422
3/4	9,780	3/4	21,213	3/4	32,635	3/4	44,061	3/4	55,494	3/4	66,927	3/4	78,361	3/4	89,794	3/4	101,227	3/4	112,660

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 INNAGE 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 1969"

## 3 CENTER INNAGE 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	112,898	0	124,331	0	135,764	0	147,197	0	158,623	0		0		0		0		0	
1/4	113,136	1/4	124,569	1/4	136,003	1/4	147,436	1/4	158,838	1/4		1/4		1/4		1/4		1/4	
1/2	113,374	1/2	124,808	1/2	137,193	1/2	147,674	1/2	159,053	1/2		1/2		1/2		1/2		1/2	
3/4	113,613	3/4	125,046	3/4	136,479	3/4	147,912	3/4	159,268	3/4		3/4		3/4		3/4		3/4	
1	113,851	1	125,284	1	136,717	1	148,150	1	159,483	1		1		1		1		1	
1/4	114,089	1/4	125,522	1/4	136,955	1/4	148,388	1/4	159,622	1/4		1/4		1/4		1/4		1/4	
1/2	114,327	1/2	125,760	1/2	137,193	1/2	148,627	1/2	159,761	1/2		1/2		1/2		1/2		1/2	
3/4	114,565	3/4	125,999	3/4	137,432	3/4	148,865	3/4	159,900	3/4		3/4		3/4		3/4		3/4	
2	114,804	2	126,237	2	137,670	2	149,103	2	160,039	2		2		2		2		2	
1/4	115,042	1/4	126,475	1/4	137,908	1/4	149,341	1/4	160,098	1/4		1/4		1/4		1/4		1/4	
1/2	115,280	1/2	126,713	1/2	138,146	1/2	149,579	1/2	160,158	1/2		1/2		1/2		1/2		1/2	
3/4	115,518	3/4	126,951	3/4	138,384	3/4	149,818	3/4	160,217	3/4		3/4		3/4		3/4		3/4	
3	115,756	3	127,190	3	138,623	3	150,056	3	160,277	3		3		3		3		3	
1/4	115,995	1/4	127,428	1/4	138,861	1/4	150,294	1/4	160,287	1/4		1/4		1/4		1/4		1/4	
1/2	116,233	1/2	127,666	1/2	139,099	1/2	150,532	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	116,471	3/4	127,904	3/4	139,337	3/4	150,770	3/4		3/4		3/4		3/4		3/4		3/4	
4	116,709	4	128,142	4	139,575	4	151,009	4		4		4		4		4		4	
1/4	116,947	1/4	128,380	1/4	139,814	1/4	151,247	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	117,186	1/2	128,619	1/2	140,052	1/2	151,485	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	117,424	3/4	128,857	3/4	140,290	3/4	151,723	3/4		3/4		3/4		3/4		3/4		3/4	
5	117,662	5	129,095	5	140,528	5	151,961	5		5		5		5		5		5	
1/4	117,900	1/4	129,333	1/4	140,766	1/4	152,199	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	118,138	1/2	129,571	1/2	141,005	1/2	152,438	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	118,376	3/4	129,810	3/4	141,243	3/4	152,676	3/4		3/4		3/4		3/4		3/4		3/4	
6	118,615	6	130,048	6	141,481	6	152,914	6		6		6		6		6		6	
1/4	118,853	1/4	130,286	1/4	141,719	1/4	153,152	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	119,091	1/2	130,524	1/2	141,957	1/2	153,390	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	119,329	3/4	130,762	3/4	142,195	3/4	153,629	3/4		3/4		3/4		3/4		3/4		3/4	
7	119,567	7	131,001	7	142,434	7	153,867	7		7		7		7		7		7	
1/4	119,806	1/4	131,239	1/4	142,672	1/4	154,105	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	120,044	1/2	131,477	1/2	142,910	1/2	154,343	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	120,282	3/4	131,715	3/4	143,148	3/4	154,581	3/4		3/4		3/4		3/4		3/4		3/4	
8	120,520	8	131,953	8	143,386	8	154,820	8		8		8		8		8		8	
1/4	120,758	1/4	132,191	1/4	143,625	1/4	155,058	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	120,997	1/2	132,430	1/2	143,863	1/2	155,296	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	121,235	3/4	132,668	3/4	144,101	3/4	155,534	3/4		3/4		3/4		3/4		3/4		3/4	
9	121,473	9	132,906	9	144,339	9	155,772	9		9		9		9		9		9	
1/4	121,711	1/4	133,144	1/4	144,577	1/4	156,010	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	121,949	1/2	133,382	1/2	144,816	1/2	156,249	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	122,188	3/4	133,621	3/4	145,054	3/4	156,487	3/4		3/4		3/4		3/4		3/4		3/4	
10	122,426	10	133,859	10	145,292	10	156,725	10		10		10		10		10		10	
1/4	122,664	1/4	134,097	1/4	145,530	1/4	156,963	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	122,902	1/2	134,335	1/2	145,768	1/2	157,201	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	123,140	3/4	134,573	3/4	146,007	3/4	157,438	3/4		3/4		3/4		3/4		3/4		3/4	
11	123,378	11	134,812	11	146,245	11	157,676	11		11		11		11		11		11	
1/4	123,617	1/4	135,050	1/4	146,483	1/4	157,913	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	123,855	1/2	135,288	1/2	146,721	1/2	158,149	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	124,093	3/4	135,526	3/4	146,959	3/4	158,386	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/17/2016 CL  
CALCULATED: 03/17/2016 CL  
PRINTED: 03/18/2016 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2016

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