



BARGE "IB 1973"

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	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4
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	- 00-3/4	00-3/4
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	- 00-1/2	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 00-1/4"
 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"

May 19, 2016

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

<http://www.pmacorp.net>



BARGE "IB 1973"

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	10,159	0	22,142	0	33,964	0	45,836	0	57,811	0	69,769	0	81,751	0	93,733	0	105,714
1/4	68	1/4	10,409	1/4	22,391	1/4	34,207	1/4	46,085	1/4	58,060	1/4	70,019	1/4	82,001	1/4	93,982	1/4	105,964
1/2	110	1/2	10,658	1/2	22,641	1/2	34,450	1/2	46,335	1/2	58,309	1/2	70,269	1/2	82,250	1/2	94,232	1/2	106,213
3/4	151	3/4	10,908	3/4	22,891	3/4	34,693	3/4	46,584	3/4	58,558	3/4	70,518	3/4	82,500	3/4	94,482	3/4	106,463
1	193	1	11,158	1	23,140	1	34,936	1	46,834	1	58,807	1	70,768	1	82,750	1	94,731	1	106,713
1/4	285	1/4	11,407	1/4	23,390	1/4	35,179	1/4	47,083	1/4	59,056	1/4	71,017	1/4	82,999	1/4	94,981	1/4	106,962
1/2	377	1/2	11,657	1/2	23,639	1/2	35,422	1/2	47,333	1/2	59,306	1/2	71,267	1/2	83,249	1/2	95,230	1/2	107,212
3/4	469	3/4	11,907	3/4	23,889	3/4	35,665	3/4	47,582	3/4	59,555	3/4	71,517	3/4	83,499	3/4	95,480	3/4	107,462
2	560	2	12,156	2	24,139	2	35,908	2	47,832	2	59,804	2	71,766	2	83,748	2	95,730	2	107,711
1/4	724	1/4	12,406	1/4	24,388	1/4	36,151	1/4	48,081	1/4	60,053	1/4	72,016	1/4	83,998	1/4	95,979	1/4	107,961
1/2	888	1/2	12,656	1/2	24,638	1/2	36,394	1/2	48,331	1/2	60,302	1/2	72,266	1/2	84,247	1/2	96,229	1/2	108,210
3/4	1,053	3/4	12,905	3/4	24,888	3/4	36,637	3/4	48,580	3/4	60,551	3/4	72,515	3/4	84,497	3/4	96,478	3/4	108,460
3	1,217	3	13,155	3	25,137	3	36,880	3	48,830	3	60,800	3	72,765	3	84,747	3	96,728	3	108,710
1/4	1,453	1/4	13,405	1/4	25,387	1/4	37,123	1/4	49,079	1/4	61,049	1/4	73,014	1/4	84,996	1/4	96,978	1/4	108,959
1/2	1,690	1/2	13,654	1/2	25,637	1/2	37,366	1/2	49,329	1/2	61,298	1/2	73,264	1/2	85,246	1/2	97,227	1/2	109,209
3/4	1,927	3/4	13,904	3/4	25,886	3/4	37,609	3/4	49,578	3/4	61,547	3/4	73,514	3/4	85,496	3/4	97,477	3/4	109,459
4	2,164	4	14,153	4	26,136	4	37,852	4	49,828	4	61,796	4	73,763	4	85,745	4	97,726	4	109,708
1/4	2,414	1/4	14,403	1/4	26,385	1/4	38,101	1/4	50,077	1/4	62,045	1/4	74,013	1/4	85,995	1/4	97,976	1/4	109,958
1/2	2,663	1/2	14,653	1/2	26,635	1/2	38,351	1/2	50,327	1/2	62,294	1/2	74,263	1/2	86,244	1/2	98,226	1/2	110,207
3/4	2,913	3/4	14,902	3/4	26,885	3/4	38,600	3/4	50,576	3/4	62,543	3/4	74,512	3/4	86,494	3/4	98,475	3/4	110,457
5	3,162	5	15,152	5	27,134	5	38,850	5	50,826	5	62,792	5	74,762	5	86,744	5	98,725	5	110,707
1/4	3,412	1/4	15,402	1/4	27,384	1/4	39,099	1/4	51,075	1/4	63,041	1/4	75,011	1/4	86,993	1/4	98,974	1/4	110,956
1/2	3,662	1/2	15,651	1/2	27,634	1/2	39,349	1/2	51,325	1/2	63,290	1/2	75,261	1/2	87,243	1/2	99,224	1/2	111,206
3/4	3,912	3/4	15,901	3/4	27,883	3/4	39,598	3/4	51,574	3/4	63,539	3/4	75,511	3/4	87,493	3/4	99,474	3/4	111,455
6	4,162	6	16,150	6	28,133	6	39,848	6	51,824	6	63,788	6	75,760	6	87,742	6	99,723	6	111,705
1/4	4,412	1/4	16,400	1/4	28,376	1/4	40,097	1/4	52,073	1/4	64,037	1/4	76,010	1/4	87,992	1/4	99,973	1/4	111,955
1/2	4,663	1/2	16,650	1/2	28,619	1/2	40,347	1/2	52,322	1/2	64,286	1/2	76,260	1/2	88,241	1/2	100,222	1/2	112,204
3/4	4,913	3/4	16,899	3/4	28,862	3/4	40,596	3/4	52,572	3/4	64,535	3/4	76,509	3/4	88,491	3/4	100,472	3/4	112,454
7	5,163	7	17,149	7	29,105	7	40,846	7	52,821	7	64,784	7	76,759	7	88,741	7	100,722	7	112,704
1/4	5,413	1/4	17,399	1/4	29,348	1/4	41,095	1/4	53,071	1/4	65,033	1/4	77,008	1/4	88,990	1/4	100,971	1/4	112,953
1/2	5,663	1/2	17,648	1/2	29,591	1/2	41,345	1/2	53,320	1/2	65,282	1/2	77,258	1/2	89,240	1/2	101,221	1/2	113,203
3/4	5,913	3/4	17,898	3/4	29,834	3/4	41,594	3/4	53,570	3/4	65,531	3/4	77,508	3/4	89,490	3/4	101,471	3/4	113,452
8	6,163	8	18,148	8	30,077	8	41,844	8	53,819	8	65,780	8	77,757	8	89,739	8	101,720	8	113,702
1/4	6,412	1/4	18,397	1/4	30,320	1/4	42,093	1/4	54,069	1/4	66,029	1/4	78,007	1/4	89,989	1/4	101,970	1/4	113,952
1/2	6,662	1/2	18,647	1/2	30,563	1/2	42,343	1/2	54,318	1/2	66,278	1/2	78,256	1/2	90,238	1/2	102,219	1/2	114,201
3/4	6,912	3/4	18,896	3/4	30,805	3/4	42,592	3/4	54,568	3/4	66,527	3/4	78,506	3/4	90,488	3/4	102,469	3/4	114,451
9	7,161	9	19,146	9	31,048	9	42,842	9	54,817	9	66,776	9	78,756	9	90,738	9	102,719	9	114,701
1/4	7,411	1/4	19,396	1/4	31,291	1/4	43,091	1/4	55,067	1/4	67,025	1/4	79,005	1/4	90,987	1/4	102,968	1/4	114,950
1/2	7,661	1/2	19,645	1/2	31,534	1/2	43,341	1/2	55,316	1/2	67,274	1/2	79,255	1/2	91,237	1/2	103,218	1/2	115,200
3/4	7,911	3/4	19,895	3/4	31,777	3/4	43,590	3/4	55,566	3/4	67,523	3/4	79,505	3/4	91,486	3/4	103,468	3/4	115,449
10	8,161	10	20,145	10	32,020	10	43,840	10	55,815	10	67,772	10	79,754	10	91,736	10	103,717	10	115,699
1/4	8,411	1/4	20,394	1/4	32,263	1/4	44,089	1/4	56,065	1/4	68,022	1/4	80,004	1/4	91,986	1/4	103,967	1/4	115,949
1/2	8,661	1/2	20,644	1/2	32,506	1/2	44,339	1/2	56,314	1/2	68,272	1/2	80,253	1/2	92,235	1/2	104,216	1/2	116,198
3/4	8,911	3/4	20,893	3/4	32,749	3/4	44,588	3/4	56,564	3/4	68,521	3/4	80,503	3/4	92,485	3/4	104,466	3/4	116,448
11	9,161	11	21,143	11	32,992	11	44,838	11	56,813	11	68,771	11	80,753	11	92,734	11	104,716	11	116,698
1/4	9,410	1/4	21,393	1/4	33,235	1/4	45,087	1/4	57,063	1/4	69,020	1/4	81,002	1/4	92,984	1/4	104,965	1/4	116,948
1/2	9,660	1/2	21,642	1/2	33,478	1/2	45,337	1/2	57,312	1/2	69,270	1/2	81,252	1/2	93,234	1/2	105,215	1/2	117,198
3/4	9,910	3/4	21,892	3/4	33,721	3/4	45,586	3/4	57,562	3/4	69,520	3/4	81,502	3/4	93,483	3/4	105,465	3/4	117,448

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'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "IB 1973"

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	117,698	0	128,289	0	136,051	0	143,812	0	151,565	0		0		0		0		0	
1/4	117,948	1/4	128,451	1/4	136,212	1/4	143,974	1/4	151,703	1/4		1/4		1/4		1/4		1/4	
1/2	118,198	1/2	128,612	1/2	136,374	1/2	144,135	1/2	151,840	1/2		1/2		1/2		1/2		1/2	
3/4	118,448	3/4	128,774	3/4	136,536	3/4	144,297	3/4	151,977	3/4		3/4		3/4		3/4		3/4	
1	118,699	1	128,936	1	136,697	1	144,459	1	152,115	1		1		1		1		1	
1/4	118,949	1/4	129,098	1/4	136,859	1/4	144,621	1/4	152,172	1/4		1/4		1/4		1/4		1/4	
1/2	119,199	1/2	129,259	1/2	137,021	1/2	144,782	1/2	152,230	1/2		1/2		1/2		1/2		1/2	
3/4	119,449	3/4	129,421	3/4	137,182	3/4	144,944	3/4	152,287	3/4		3/4		3/4		3/4		3/4	
2	119,699	2	129,583	2	137,344	2	145,106	2	152,345	2		2		2		2		2	
1/4	119,949	1/4	129,744	1/4	137,506	1/4	145,267	1/4	152,407	1/4		1/4		1/4		1/4		1/4	
1/2	120,199	1/2	129,906	1/2	137,668	1/2	145,429	1/2	152,470	1/2		1/2		1/2		1/2		1/2	
3/4	120,449	3/4	130,068	3/4	137,829	3/4	145,591	3/4	152,532	3/4		3/4		3/4		3/4		3/4	
3	120,699	3	130,229	3	137,991	3	145,752	3	152,595	3		3		3		3		3	
1/4	120,950	1/4	130,391	1/4	138,153	1/4	145,914	1/4	152,605	1/4		1/4		1/4		1/4		1/4	
1/2	121,200	1/2	130,553	1/2	138,314	1/2	146,076	1/2	152,605	1/2		1/2		1/2		1/2		1/2	
3/4	121,450	3/4	130,715	3/4	138,476	3/4	146,238	3/4	152,605	3/4		3/4		3/4		3/4		3/4	
4	121,700	4	130,876	4	138,638	4	146,399	4	152,605	4		4		4		4		4	
1/4	121,950	1/4	131,038	1/4	138,799	1/4	146,561	1/4	152,605	1/4		1/4		1/4		1/4		1/4	
1/2	122,200	1/2	131,200	1/2	138,961	1/2	146,723	1/2	152,605	1/2		1/2		1/2		1/2		1/2	
3/4	122,450	3/4	131,361	3/4	139,123	3/4	146,884	3/4	152,605	3/4		3/4		3/4		3/4		3/4	
5	122,700	5	131,523	5	139,285	5	147,046	5	152,605	5		5		5		5		5	
1/4	122,951	1/4	131,685	1/4	139,446	1/4	147,208	1/4	152,605	1/4		1/4		1/4		1/4		1/4	
1/2	123,201	1/2	131,846	1/2	139,608	1/2	147,369	1/2	152,605	1/2		1/2		1/2		1/2		1/2	
3/4	123,451	3/4	132,008	3/4	139,770	3/4	147,531	3/4	152,605	3/4		3/4		3/4		3/4		3/4	
6	123,701	6	132,170	6	139,931	6	147,693	6	152,605	6		6		6		6		6	
1/4	123,951	1/4	132,332	1/4	140,093	1/4	147,855	1/4	152,605	1/4		1/4		1/4		1/4		1/4	
1/2	124,201	1/2	132,493	1/2	140,255	1/2	148,016	1/2	152,605	1/2		1/2		1/2		1/2		1/2	
3/4	124,451	3/4	132,655	3/4	140,416	3/4	148,178	3/4	152,605	3/4		3/4		3/4		3/4		3/4	
7	124,701	7	132,817	7	140,578	7	148,340	7	152,605	7		7		7		7		7	
1/4	124,952	1/4	132,978	1/4	140,740	1/4	148,501	1/4	152,605	1/4		1/4		1/4		1/4		1/4	
1/2	125,202	1/2	133,140	1/2	140,902	1/2	148,663	1/2	152,605	1/2		1/2		1/2		1/2		1/2	
3/4	125,452	3/4	133,302	3/4	141,063	3/4	148,825	3/4	152,605	3/4		3/4		3/4		3/4		3/4	
8	125,702	8	133,463	8	141,225	8	148,986	8	152,605	8		8		8		8		8	
1/4	125,864	1/4	133,625	1/4	141,387	1/4	149,148	1/4	152,605	1/4		1/4		1/4		1/4		1/4	
1/2	126,025	1/2	133,787	1/2	141,548	1/2	149,310	1/2	152,605	1/2		1/2		1/2		1/2		1/2	
3/4	126,187	3/4	133,949	3/4	141,710	3/4	149,472	3/4	152,605	3/4		3/4		3/4		3/4		3/4	
9	126,349	9	134,110	9	141,872	9	149,633	9	152,605	9		9		9		9		9	
1/4	126,510	1/4	134,272	1/4	142,033	1/4	149,795	1/4	152,605	1/4		1/4		1/4		1/4		1/4	
1/2	126,672	1/2	134,434	1/2	142,195	1/2	149,957	1/2	152,605	1/2		1/2		1/2		1/2		1/2	
3/4	126,834	3/4	134,595	3/4	142,357	3/4	150,118	3/4	152,605	3/4		3/4		3/4		3/4		3/4	
10	126,995	10	134,757	10	142,518	10	150,280	10	152,605	10		10		10		10		10	
1/4	127,157	1/4	134,919	1/4	142,680	1/4	150,441	1/4	152,605	1/4		1/4		1/4		1/4		1/4	
1/2	127,319	1/2	135,080	1/2	142,842	1/2	150,602	1/2	152,605	1/2		1/2		1/2		1/2		1/2	
3/4	127,481	3/4	135,242	3/4	143,004	3/4	150,764	3/4	152,605	3/4		3/4		3/4		3/4		3/4	
11	127,642	11	135,404	11	143,165	11	150,925	11	152,605	11		11		11		11		11	
1/4	127,804	1/4	135,565	1/4	143,327	1/4	151,085	1/4	152,605	1/4		1/4		1/4		1/4		1/4	
1/2	127,966	1/2	135,727	1/2	143,489	1/2	151,245	1/2	152,605	1/2		1/2		1/2		1/2		1/2	
3/4	128,127	3/4	135,889	3/4	143,650	3/4	151,405	3/4	152,605	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/18/2016 CL
CALCULATED: 05/19/2016 CL
PRINTED: 05/19/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2016

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "IB 1973"

2 CENTER INNAGE 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	26	0	10,075	0	21,573	0	32,902	0	44,287	0	55,786	0	67,284	0	78,782	0	90,280	0	101,778
1/4	66	1/4	10,315	1/4	21,812	1/4	33,134	1/4	44,527	1/4	56,025	1/4	67,523	1/4	79,021	1/4	90,519	1/4	102,018
1/2	106	1/2	10,554	1/2	22,052	1/2	33,367	1/2	44,767	1/2	56,265	1/2	67,763	1/2	79,261	1/2	90,759	1/2	102,257
3/4	146	3/4	10,794	3/4	22,291	3/4	33,599	3/4	45,006	3/4	56,504	3/4	68,002	3/4	79,500	3/4	90,999	3/4	102,497
1	186	1	11,033	1	22,531	1	33,832	1	45,246	1	56,744	1	68,242	1	79,740	1	91,238	1	102,736
1/4	306	1/4	11,273	1/4	22,770	1/4	34,064	1/4	45,485	1/4	56,983	1/4	68,481	1/4	79,980	1/4	91,478	1/4	102,976
1/2	425	1/2	11,512	1/2	23,010	1/2	34,297	1/2	45,725	1/2	57,223	1/2	68,721	1/2	80,219	1/2	91,717	1/2	103,215
3/4	545	3/4	11,752	3/4	23,250	3/4	34,529	3/4	45,964	3/4	57,462	3/4	68,961	3/4	80,459	3/4	91,957	3/4	103,455
2	665	2	11,991	2	23,489	2	34,762	2	46,204	2	57,702	2	69,200	2	80,698	2	92,196	2	103,694
1/4	864	1/4	12,231	1/4	23,729	1/4	34,994	1/4	46,443	1/4	57,941	1/4	69,440	1/4	80,938	1/4	92,436	1/4	103,934
1/2	1,064	1/2	12,470	1/2	23,968	1/2	35,227	1/2	46,683	1/2	58,181	1/2	69,679	1/2	81,177	1/2	92,675	1/2	104,174
3/4	1,263	3/4	12,710	3/4	24,208	3/4	35,459	3/4	46,922	3/4	58,421	3/4	69,919	3/4	81,417	3/4	92,915	3/4	104,413
3	1,463	3	12,949	3	24,447	3	35,692	3	47,162	3	58,660	3	70,158	3	81,656	3	93,154	3	104,653
1/4	1,700	1/4	13,189	1/4	24,687	1/4	35,924	1/4	47,402	1/4	58,900	1/4	70,398	1/4	81,896	1/4	93,394	1/4	104,892
1/2	1,938	1/2	13,429	1/2	24,926	1/2	36,157	1/2	47,641	1/2	59,139	1/2	70,637	1/2	82,135	1/2	93,634	1/2	105,132
3/4	2,175	3/4	13,668	3/4	25,166	3/4	36,389	3/4	47,881	3/4	59,379	3/4	70,877	3/4	82,375	3/4	93,873	3/4	105,371
4	2,413	4	13,908	4	25,405	4	36,622	4	48,120	4	59,618	4	71,116	4	82,615	4	94,113	4	105,611
1/4	2,652	1/4	14,147	1/4	25,645	1/4	36,862	1/4	48,360	1/4	59,858	1/4	71,356	1/4	82,854	1/4	94,352	1/4	105,850
1/2	2,891	1/2	14,387	1/2	25,884	1/2	37,101	1/2	48,599	1/2	60,097	1/2	71,595	1/2	83,094	1/2	94,592	1/2	106,090
3/4	3,130	3/4	14,626	3/4	26,124	3/4	37,341	3/4	48,839	3/4	60,337	3/4	71,835	3/4	83,333	3/4	94,831	3/4	106,329
5	3,369	5	14,866	5	26,363	5	37,580	5	49,078	5	60,576	5	72,075	5	83,573	5	95,071	5	106,569
1/4	3,608	1/4	15,105	1/4	26,603	1/4	37,820	1/4	49,318	1/4	60,816	1/4	72,314	1/4	83,812	1/4	95,310	1/4	106,808
1/2	3,847	1/2	15,345	1/2	26,843	1/2	38,059	1/2	49,557	1/2	61,056	1/2	72,554	1/2	84,052	1/2	95,550	1/2	107,048
3/4	4,087	3/4	15,584	3/4	27,082	3/4	38,299	3/4	49,797	3/4	61,295	3/4	72,793	3/4	84,291	3/4	95,789	3/4	107,288
6	4,326	6	15,824	6	27,322	6	38,538	6	50,037	6	61,535	6	73,033	6	84,531	6	96,029	6	107,527
1/4	4,566	1/4	16,063	1/4	27,554	1/4	38,778	1/4	50,276	1/4	61,774	1/4	73,272	1/4	84,770	1/4	96,269	1/4	107,767
1/2	4,805	1/2	16,303	1/2	27,787	1/2	39,017	1/2	50,516	1/2	62,014	1/2	73,512	1/2	85,010	1/2	96,508	1/2	108,006
3/4	5,045	3/4	16,543	3/4	28,019	3/4	39,257	3/4	50,755	3/4	62,253	3/4	73,751	3/4	85,250	3/4	96,748	3/4	108,246
7	5,285	7	16,782	7	28,252	7	39,497	7	50,995	7	62,493	7	73,991	7	85,489	7	96,987	7	108,485
1/4	5,524	1/4	17,022	1/4	28,484	1/4	39,736	1/4	51,234	1/4	62,732	1/4	74,230	1/4	85,729	1/4	97,227	1/4	108,725
1/2	5,764	1/2	17,261	1/2	28,717	1/2	39,976	1/2	51,474	1/2	62,972	1/2	74,470	1/2	85,968	1/2	97,466	1/2	108,964
3/4	6,003	3/4	17,501	3/4	28,949	3/4	40,215	3/4	51,713	3/4	63,211	3/4	74,710	3/4	86,208	3/4	97,706	3/4	109,204
8	6,243	8	17,740	8	29,182	8	40,455	8	51,953	8	63,451	8	74,949	8	86,447	8	97,945	8	109,443
1/4	6,482	1/4	17,980	1/4	29,414	1/4	40,694	1/4	52,192	1/4	63,691	1/4	75,189	1/4	86,687	1/4	98,185	1/4	109,683
1/2	6,722	1/2	18,219	1/2	29,647	1/2	40,934	1/2	52,432	1/2	63,930	1/2	75,428	1/2	86,926	1/2	98,424	1/2	109,923
3/4	6,961	3/4	18,459	3/4	29,879	3/4	41,173	3/4	52,671	3/4	64,170	3/4	75,668	3/4	87,166	3/4	98,664	3/4	110,162
9	7,201	9	18,698	9	30,112	9	41,413	9	52,911	9	64,409	9	75,907	9	87,405	9	98,904	9	110,402
1/4	7,440	1/4	18,938	1/4	30,344	1/4	41,652	1/4	53,151	1/4	64,649	1/4	76,147	1/4	87,645	1/4	99,143	1/4	110,641
1/2	7,680	1/2	19,177	1/2	30,577	1/2	41,892	1/2	53,390	1/2	64,888	1/2	76,386	1/2	87,884	1/2	99,383	1/2	110,881
3/4	7,919	3/4	19,417	3/4	30,809	3/4	42,132	3/4	53,630	3/4	65,128	3/4	76,626	3/4	88,124	3/4	99,622	3/4	111,120
10	8,159	10	19,656	10	31,042	10	42,371	10	53,869	10	65,367	10	76,865	10	88,364	10	99,862	10	111,360
1/4	8,398	1/4	19,896	1/4	31,274	1/4	42,611	1/4	54,109	1/4	65,607	1/4	77,105	1/4	88,603	1/4	100,101	1/4	111,599
1/2	8,638	1/2	20,136	1/2	31,507	1/2	42,850	1/2	54,348	1/2	65,846	1/2	77,345	1/2	88,843	1/2	100,341	1/2	111,839
3/4	8,877	3/4	20,375	3/4	31,739	3/4	43,090	3/4	54,588	3/4	66,086	3/4	77,584	3/4	89,082	3/4	100,580	3/4	112,078
11	9,117	11	20,615	11	31,972	11	43,329	11	54,827	11	66,326	11	77,824	11	89,322	11	100,820	11	112,318
1/4	9,356	1/4	20,854	1/4	32,204	1/4	43,569	1/4	55,067	1/4	66,565	1/4	78,063	1/4	89,561	1/4	101,059	1/4	112,558
1/2	9,596	1/2	21,094	1/2	32,437	1/2	43,808	1/2	55,306	1/2	66,805	1/2	78,303	1/2	89,801	1/2	101,299	1/2	112,797
3/4	9,836	3/4	21,333	3/4	32,669	3/4	44,048	3/4	55,546	3/4	67,044	3/4	78,542	3/4	90,040	3/4	101,539	3/4	113,037

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 1973"

2 CENTER INNAGE 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	113,276	0	124,774	0	136,272	0	147,771	0	159,261	0		0		0		0		0	
1/4	113,516	1/4	125,014	1/4	136,512	1/4	148,010	1/4	159,477	1/4		1/4		1/4		1/4		1/4	
1/2	113,755	1/2	125,253	1/2	136,752	1/2	148,250	1/2	159,693	1/2		1/2		1/2		1/2		1/2	
3/4	113,995	3/4	125,493	3/4	136,991	3/4	148,489	3/4	159,909	3/4		3/4		3/4		3/4		3/4	
1	114,234	1	125,732	1	137,231	1	148,729	1	160,126	1		1		1		1		1	
1/4	114,474	1/4	125,972	1/4	137,470	1/4	148,968	1/4	160,265	1/4		1/4		1/4		1/4		1/4	
1/2	114,713	1/2	126,212	1/2	137,710	1/2	149,208	1/2	160,405	1/2		1/2		1/2		1/2		1/2	
3/4	114,953	3/4	126,451	3/4	137,949	3/4	149,447	3/4	160,545	3/4		3/4		3/4		3/4		3/4	
2	115,193	2	126,691	2	138,189	2	149,687	2	160,685	2		2		2		2		2	
1/4	115,432	1/4	126,930	1/4	138,428	1/4	149,926	1/4	160,744	1/4		1/4		1/4		1/4		1/4	
1/2	115,672	1/2	127,170	1/2	138,668	1/2	150,166	1/2	160,804	1/2		1/2		1/2		1/2		1/2	
3/4	115,911	3/4	127,409	3/4	138,907	3/4	150,406	3/4	160,864	3/4		3/4		3/4		3/4		3/4	
3	116,151	3	127,649	3	139,147	3	150,645	3	160,924	3		3		3		3		3	
1/4	116,390	1/4	127,888	1/4	139,386	1/4	150,885	1/4	160,934	1/4		1/4		1/4		1/4		1/4	
1/2	116,630	1/2	128,128	1/2	139,626	1/2	151,124	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	116,869	3/4	128,367	3/4	139,866	3/4	151,364	3/4		3/4		3/4		3/4		3/4		3/4	
4	117,109	4	128,607	4	140,105	4	151,603	4		4		4		4		4		4	
1/4	117,348	1/4	128,847	1/4	140,345	1/4	151,843	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	117,588	1/2	129,086	1/2	140,584	1/2	152,082	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	117,828	3/4	129,326	3/4	140,824	3/4	152,322	3/4		3/4		3/4		3/4		3/4		3/4	
5	118,067	5	129,565	5	141,063	5	152,561	5		5		5		5		5		5	
1/4	118,307	1/4	129,805	1/4	141,303	1/4	152,801	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	118,546	1/2	130,044	1/2	141,542	1/2	153,041	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	118,786	3/4	130,284	3/4	141,782	3/4	153,280	3/4		3/4		3/4		3/4		3/4		3/4	
6	119,025	6	130,523	6	142,021	6	153,520	6		6		6		6		6		6	
1/4	119,265	1/4	130,763	1/4	142,261	1/4	153,759	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	119,504	1/2	131,002	1/2	142,501	1/2	153,999	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	119,744	3/4	131,242	3/4	142,740	3/4	154,238	3/4		3/4		3/4		3/4		3/4		3/4	
7	119,983	7	131,482	7	142,980	7	154,478	7		7		7		7		7		7	
1/4	120,223	1/4	131,721	1/4	143,219	1/4	154,717	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	120,463	1/2	131,961	1/2	143,459	1/2	154,957	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	120,702	3/4	132,200	3/4	143,698	3/4	155,196	3/4		3/4		3/4		3/4		3/4		3/4	
8	120,942	8	132,440	8	143,938	8	155,436	8		8		8		8		8		8	
1/4	121,181	1/4	132,679	1/4	144,177	1/4	155,676	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	121,421	1/2	132,919	1/2	144,417	1/2	155,915	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	121,660	3/4	133,158	3/4	144,656	3/4	156,155	3/4		3/4		3/4		3/4		3/4		3/4	
9	121,900	9	133,398	9	144,896	9	156,394	9		9		9		9		9		9	
1/4	122,139	1/4	133,637	1/4	145,136	1/4	156,634	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	122,379	1/2	133,877	1/2	145,375	1/2	156,873	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	122,618	3/4	134,117	3/4	145,615	3/4	157,113	3/4		3/4		3/4		3/4		3/4		3/4	
10	122,858	10	134,356	10	145,854	10	157,352	10		10		10		10		10		10	
1/4	123,097	1/4	134,596	1/4	146,094	1/4	157,591	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	123,337	1/2	134,835	1/2	146,333	1/2	157,830	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	123,577	3/4	135,075	3/4	146,573	3/4	158,070	3/4		3/4		3/4		3/4		3/4		3/4	
11	123,816	11	135,314	11	146,812	11	158,309	11		11		11		11		11		11	
1/4	124,056	1/4	135,554	1/4	147,052	1/4	158,547	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	124,295	1/2	135,793	1/2	147,291	1/2	158,785	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	124,535	3/4	136,033	3/4	147,531	3/4	159,023	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/18/2016 CL
CALCULATED: 05/19/2016 CL
PRINTED: 05/19/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2016

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "IB 1973"

3 CENTER INNAGE 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	26	0	10,011	0	21,434	0	32,847	0	44,265	0	55,689	0	67,113	0	78,538	0	89,962	0	101,386
1/4	66	1/4	10,249	1/4	21,672	1/4	33,085	1/4	44,503	1/4	55,927	1/4	67,351	1/4	78,776	1/4	90,200	1/4	101,624
1/2	106	1/2	10,487	1/2	21,910	1/2	33,323	1/2	44,741	1/2	56,165	1/2	67,589	1/2	79,014	1/2	90,438	1/2	101,862
3/4	145	3/4	10,725	3/4	22,148	3/4	33,560	3/4	44,979	3/4	56,403	3/4	67,827	3/4	79,252	3/4	90,676	3/4	102,100
1	185	1	10,963	1	22,386	1	33,798	1	45,217	1	56,641	1	68,065	1	79,490	1	90,914	1	102,338
1/4	304	1/4	11,201	1/4	22,624	1/4	34,035	1/4	45,455	1/4	56,879	1/4	68,303	1/4	79,728	1/4	91,152	1/4	102,576
1/2	423	1/2	11,439	1/2	22,862	1/2	34,273	1/2	45,693	1/2	57,117	1/2	68,541	1/2	79,966	1/2	91,390	1/2	102,814
3/4	542	3/4	11,677	3/4	23,100	3/4	34,510	3/4	45,931	3/4	57,355	3/4	68,779	3/4	80,204	3/4	91,628	3/4	103,052
2	661	2	11,915	2	23,338	2	34,748	2	46,169	2	57,593	2	69,017	2	80,442	2	91,866	2	103,290
1/4	859	1/4	12,153	1/4	23,576	1/4	34,985	1/4	46,407	1/4	57,831	1/4	69,255	1/4	80,680	1/4	92,104	1/4	103,528
1/2	1,057	1/2	12,391	1/2	23,814	1/2	35,223	1/2	46,645	1/2	58,069	1/2	69,493	1/2	80,918	1/2	92,342	1/2	103,766
3/4	1,256	3/4	12,629	3/4	24,052	3/4	35,461	3/4	46,883	3/4	58,307	3/4	69,731	3/4	81,156	3/4	92,580	3/4	104,004
3	1,454	3	12,867	3	24,290	3	35,698	3	47,121	3	58,545	3	69,969	3	81,394	3	92,818	3	104,242
1/4	1,690	1/4	13,105	1/4	24,528	1/4	35,936	1/4	47,359	1/4	58,783	1/4	70,207	1/4	81,632	1/4	93,056	1/4	104,480
1/2	1,926	1/2	13,342	1/2	24,766	1/2	36,174	1/2	47,597	1/2	59,021	1/2	70,445	1/2	81,870	1/2	93,294	1/2	104,718
3/4	2,162	3/4	13,580	3/4	25,004	3/4	36,411	3/4	47,835	3/4	59,259	3/4	70,683	3/4	82,108	3/4	93,532	3/4	104,956
4	2,398	4	13,818	4	25,242	4	36,649	4	48,073	4	59,497	4	70,921	4	82,346	4	93,770	4	105,194
1/4	2,635	1/4	14,056	1/4	25,480	1/4	36,887	1/4	48,311	1/4	59,735	1/4	71,159	1/4	82,584	1/4	94,008	1/4	105,432
1/2	2,872	1/2	14,294	1/2	25,718	1/2	37,125	1/2	48,549	1/2	59,973	1/2	71,397	1/2	82,822	1/2	94,246	1/2	105,670
3/4	3,110	3/4	14,532	3/4	25,956	3/4	37,363	3/4	48,787	3/4	60,211	3/4	71,635	3/4	83,060	3/4	94,484	3/4	105,908
5	3,347	5	14,770	5	26,194	5	37,601	5	49,025	5	60,449	5	71,873	5	83,298	5	94,722	5	106,146
1/4	3,585	1/4	15,008	1/4	26,432	1/4	37,839	1/4	49,263	1/4	60,687	1/4	72,111	1/4	83,536	1/4	94,960	1/4	106,384
1/2	3,823	1/2	15,246	1/2	26,670	1/2	38,077	1/2	49,501	1/2	60,925	1/2	72,349	1/2	83,774	1/2	95,198	1/2	106,622
3/4	4,061	3/4	15,484	3/4	26,908	3/4	38,315	3/4	49,739	3/4	61,163	3/4	72,587	3/4	84,012	3/4	95,436	3/4	106,860
6	4,299	6	15,722	6	27,146	6	38,553	6	49,977	6	61,401	6	72,825	6	84,250	6	95,674	6	107,098
1/4	4,537	1/4	15,960	1/4	27,384	1/4	38,791	1/4	50,215	1/4	61,639	1/4	73,063	1/4	84,488	1/4	95,912	1/4	107,336
1/2	4,775	1/2	16,198	1/2	27,621	1/2	39,029	1/2	50,453	1/2	61,877	1/2	73,301	1/2	84,726	1/2	96,150	1/2	107,574
3/4	5,013	3/4	16,436	3/4	27,859	3/4	39,267	3/4	50,691	3/4	62,115	3/4	73,539	3/4	84,964	3/4	96,388	3/4	107,812
7	5,251	7	16,674	7	28,096	7	39,505	7	50,929	7	62,353	7	73,777	7	85,202	7	96,626	7	108,050
1/4	5,489	1/4	16,912	1/4	28,334	1/4	39,743	1/4	51,167	1/4	62,591	1/4	74,015	1/4	85,440	1/4	96,864	1/4	108,288
1/2	5,727	1/2	17,150	1/2	28,572	1/2	39,981	1/2	51,405	1/2	62,829	1/2	74,254	1/2	85,678	1/2	97,102	1/2	108,526
3/4	5,965	3/4	17,388	3/4	28,809	3/4	40,219	3/4	51,643	3/4	63,067	3/4	74,492	3/4	85,916	3/4	97,340	3/4	108,764
8	6,203	8	17,626	8	29,047	8	40,457	8	51,881	8	63,305	8	74,730	8	86,154	8	97,578	8	109,002
1/4	6,441	1/4	17,864	1/4	29,284	1/4	40,695	1/4	52,119	1/4	63,543	1/4	74,968	1/4	86,392	1/4	97,816	1/4	109,240
1/2	6,679	1/2	18,102	1/2	29,522	1/2	40,933	1/2	52,357	1/2	63,781	1/2	75,206	1/2	86,630	1/2	98,054	1/2	109,478
3/4	6,917	3/4	18,340	3/4	29,759	3/4	41,171	3/4	52,595	3/4	64,019	3/4	75,444	3/4	86,868	3/4	98,292	3/4	109,716
9	7,155	9	18,578	9	29,997	9	41,409	9	52,833	9	64,257	9	75,682	9	87,106	9	98,530	9	109,954
1/4	7,393	1/4	18,816	1/4	30,234	1/4	41,647	1/4	53,071	1/4	64,495	1/4	75,920	1/4	87,344	1/4	98,768	1/4	110,192
1/2	7,631	1/2	19,054	1/2	30,472	1/2	41,885	1/2	53,309	1/2	64,733	1/2	76,158	1/2	87,582	1/2	99,006	1/2	110,430
3/4	7,869	3/4	19,292	3/4	30,709	3/4	42,123	3/4	53,547	3/4	64,971	3/4	76,396	3/4	87,820	3/4	99,244	3/4	110,668
10	8,107	10	19,530	10	30,947	10	42,361	10	53,785	10	65,209	10	76,634	10	88,058	10	99,482	10	110,906
1/4	8,345	1/4	19,768	1/4	31,185	1/4	42,599	1/4	54,023	1/4	65,447	1/4	76,872	1/4	88,296	1/4	99,720	1/4	111,144
1/2	8,583	1/2	20,006	1/2	31,422	1/2	42,837	1/2	54,261	1/2	65,685	1/2	77,110	1/2	88,534	1/2	99,958	1/2	111,382
3/4	8,821	3/4	20,244	3/4	31,660	3/4	43,075	3/4	54,499	3/4	65,923	3/4	77,348	3/4	88,772	3/4	100,196	3/4	111,620
11	9,059	11	20,482	11	31,897	11	43,313	11	54,737	11	66,161	11	77,586	11	89,010	11	100,434	11	111,858
1/4	9,297	1/4	20,720	1/4	32,135	1/4	43,551	1/4	54,975	1/4	66,399	1/4	77,824	1/4	89,248	1/4	100,672	1/4	112,096
1/2	9,535	1/2	20,958	1/2	32,372	1/2	43,789	1/2	55,213	1/2	66,637	1/2	78,062	1/2	89,486	1/2	100,910	1/2	112,334
3/4	9,773	3/4	21,196	3/4	32,610	3/4	44,027	3/4	55,451	3/4	66,875	3/4	78,300	3/4	89,724	3/4	101,148	3/4	112,572

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
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BARGE "IB 1973"

3 CENTER INNAGE 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	112,810	0	124,234	0	135,659	0	147,083	0	158,499	0		0		0		0		0	
1/4	113,048	1/4	124,472	1/4	135,897	1/4	147,321	1/4	158,714	1/4		1/4		1/4		1/4		1/4	
1/2	113,286	1/2	124,710	1/2	136,135	1/2	147,559	1/2	158,929	1/2		1/2		1/2		1/2		1/2	
3/4	113,524	3/4	124,949	3/4	136,373	3/4	147,797	3/4	159,144	3/4		3/4		3/4		3/4		3/4	
1	113,762	1	125,187	1	136,611	1	148,035	1	159,359	1		1		1		1		1	
1/4	114,000	1/4	125,425	1/4	136,849	1/4	148,273	1/4	159,497	1/4		1/4		1/4		1/4		1/4	
1/2	114,238	1/2	125,663	1/2	137,087	1/2	148,511	1/2	159,636	1/2		1/2		1/2		1/2		1/2	
3/4	114,476	3/4	125,901	3/4	137,325	3/4	148,749	3/4	159,775	3/4		3/4		3/4		3/4		3/4	
2	114,714	2	126,139	2	137,563	2	148,987	2	159,914	2		2		2		2		2	
1/4	114,952	1/4	126,377	1/4	137,801	1/4	149,225	1/4	159,973	1/4		1/4		1/4		1/4		1/4	
1/2	115,190	1/2	126,615	1/2	138,039	1/2	149,463	1/2	160,033	1/2		1/2		1/2		1/2		1/2	
3/4	115,428	3/4	126,853	3/4	138,277	3/4	149,701	3/4	160,092	3/4		3/4		3/4		3/4		3/4	
3	115,666	3	127,091	3	138,515	3	149,939	3	160,152	3		3		3		3		3	
1/4	115,904	1/4	127,329	1/4	138,753	1/4	150,177	1/4	160,162	1/4		1/4		1/4		1/4		1/4	
1/2	116,142	1/2	127,567	1/2	138,991	1/2	150,415	1/2	160,162	1/2		1/2		1/2		1/2		1/2	
3/4	116,380	3/4	127,805	3/4	139,229	3/4	150,653	3/4	160,162	3/4		3/4		3/4		3/4		3/4	
4	116,618	4	128,043	4	139,467	4	150,891	4		4		4		4		4		4	
1/4	116,856	1/4	128,281	1/4	139,705	1/4	151,129	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	117,094	1/2	128,519	1/2	139,943	1/2	151,367	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	117,332	3/4	128,757	3/4	140,181	3/4	151,605	3/4		3/4		3/4		3/4		3/4		3/4	
5	117,570	5	128,995	5	140,419	5	151,843	5		5		5		5		5		5	
1/4	117,808	1/4	129,233	1/4	140,657	1/4	152,081	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	118,046	1/2	129,471	1/2	140,895	1/2	152,319	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	118,284	3/4	129,709	3/4	141,133	3/4	152,557	3/4		3/4		3/4		3/4		3/4		3/4	
6	118,522	6	129,947	6	141,371	6	152,795	6		6		6		6		6		6	
1/4	118,760	1/4	130,185	1/4	141,609	1/4	153,033	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	118,998	1/2	130,423	1/2	141,847	1/2	153,271	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	119,236	3/4	130,661	3/4	142,085	3/4	153,509	3/4		3/4		3/4		3/4		3/4		3/4	
7	119,474	7	130,899	7	142,323	7	153,747	7		7		7		7		7		7	
1/4	119,712	1/4	131,137	1/4	142,561	1/4	153,985	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	119,950	1/2	131,375	1/2	142,799	1/2	154,223	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	120,188	3/4	131,613	3/4	143,037	3/4	154,461	3/4		3/4		3/4		3/4		3/4		3/4	
8	120,426	8	131,851	8	143,275	8	154,699	8		8		8		8		8		8	
1/4	120,664	1/4	132,089	1/4	143,513	1/4	154,937	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	120,902	1/2	132,327	1/2	143,751	1/2	155,175	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	121,140	3/4	132,565	3/4	143,989	3/4	155,413	3/4		3/4		3/4		3/4		3/4		3/4	
9	121,378	9	132,803	9	144,227	9	155,651	9		9		9		9		9		9	
1/4	121,616	1/4	133,041	1/4	144,465	1/4	155,889	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	121,854	1/2	133,279	1/2	144,703	1/2	156,127	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	122,092	3/4	133,517	3/4	144,941	3/4	156,365	3/4		3/4		3/4		3/4		3/4		3/4	
10	122,330	10	133,755	10	145,179	10	156,603	10		10		10		10		10		10	
1/4	122,568	1/4	133,993	1/4	145,417	1/4	156,841	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	122,806	1/2	134,231	1/2	145,655	1/2	157,078	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	123,044	3/4	134,469	3/4	145,893	3/4	157,316	3/4		3/4		3/4		3/4		3/4		3/4	
11	123,282	11	134,707	11	146,131	11	157,553	11		11		11		11		11		11	
1/4	123,520	1/4	134,945	1/4	146,369	1/4	157,790	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	123,758	1/2	135,183	1/2	146,607	1/2	158,026	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	123,996	3/4	135,421	3/4	146,845	3/4	158,263	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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CALCULATED: 05/19/2016 CL
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CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2016

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