



BARGE "IB 1103"

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	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8
2 CENTER	00-1/8	- 00-1/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4	01-0/8	- 01-0/8
3 CENTER	00-1/8	- 00-1/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-0/8	- 01-0/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 2 CENTER IS 00 3/8"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 2 CENTER, THE TRIM CORRECTED INNAGE IS 3'-11 5/8"

LENGTH BETWEEN DRAFT MARKS: 163'-00"

April 11, 2018

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

<http://www.pmacorp.net>



BARGE "IB 1103"

1 CENTER INNAGE 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	256	0	11,567	0	24,035	0	36,337	0	48,712	0	61,172	0	73,617	0	86,084	0	98,551	0	111,018
1/4	343	1/4	11,827	1/4	24,295	1/4	36,591	1/4	48,971	1/4	61,431	1/4	73,876	1/4	86,344	1/4	98,811	1/4	111,278
1/2	430	1/2	12,087	1/2	24,555	1/2	36,844	1/2	49,231	1/2	61,690	1/2	74,136	1/2	86,604	1/2	99,071	1/2	111,538
3/4	517	3/4	12,347	3/4	24,815	3/4	37,097	3/4	49,490	3/4	61,949	3/4	74,396	3/4	86,863	3/4	99,331	3/4	111,798
1	603	1	12,606	1	25,074	1	37,351	1	49,750	1	62,209	1	74,656	1	87,123	1	99,590	1	112,057
1/4	777	1/4	12,866	1/4	25,334	1/4	37,604	1/4	50,010	1/4	62,468	1/4	74,915	1/4	87,383	1/4	99,850	1/4	112,317
1/2	950	1/2	13,126	1/2	25,594	1/2	37,858	1/2	50,269	1/2	62,727	1/2	75,175	1/2	87,643	1/2	100,110	1/2	112,577
3/4	1,123	3/4	13,386	3/4	25,854	3/4	38,111	3/4	50,529	3/4	62,986	3/4	75,435	3/4	87,902	3/4	100,369	3/4	112,837
2	1,297	2	13,645	2	26,113	2	38,364	2	50,788	2	63,245	2	75,695	2	88,162	2	100,629	2	113,096
1/4	1,532	1/4	13,905	1/4	26,373	1/4	38,618	1/4	51,048	1/4	63,504	1/4	75,954	1/4	88,422	1/4	100,889	1/4	113,356
1/2	1,768	1/2	14,165	1/2	26,633	1/2	38,871	1/2	51,308	1/2	63,763	1/2	76,214	1/2	88,682	1/2	101,149	1/2	113,616
3/4	2,004	3/4	14,425	3/4	26,893	3/4	39,125	3/4	51,567	3/4	64,023	3/4	76,474	3/4	88,941	3/4	101,408	3/4	113,876
3	2,239	3	14,684	3	27,152	3	39,378	3	51,827	3	64,282	3	76,734	3	89,201	3	101,668	3	114,135
1/4	2,495	1/4	14,944	1/4	27,412	1/4	39,635	1/4	52,087	1/4	64,541	1/4	76,993	1/4	89,461	1/4	101,928	1/4	114,395
1/2	2,751	1/2	15,204	1/2	27,672	1/2	39,891	1/2	52,346	1/2	64,800	1/2	77,253	1/2	89,721	1/2	102,187	1/2	114,655
3/4	3,007	3/4	15,464	3/4	27,932	3/4	40,148	3/4	52,606	3/4	65,059	3/4	77,513	3/4	89,980	3/4	102,447	3/4	114,915
4	3,264	4	15,723	4	28,191	4	40,404	4	52,865	4	65,318	4	77,773	4	90,240	4	102,707	4	115,174
1/4	3,521	1/4	15,983	1/4	28,451	1/4	40,664	1/4	53,125	1/4	65,577	1/4	78,032	1/4	90,500	1/4	102,967	1/4	115,434
1/2	3,779	1/2	16,243	1/2	28,711	1/2	40,923	1/2	53,385	1/2	65,837	1/2	78,292	1/2	90,760	1/2	103,226	1/2	115,694
3/4	4,037	3/4	16,503	3/4	28,971	3/4	41,183	3/4	53,644	3/4	66,096	3/4	78,552	3/4	91,019	3/4	103,486	3/4	115,954
5	4,295	5	16,762	5	29,230	5	41,442	5	53,904	5	66,355	5	78,812	5	91,279	5	103,746	5	116,213
1/4	4,554	1/4	17,022	1/4	29,487	1/4	41,702	1/4	54,163	1/4	66,614	1/4	79,071	1/4	91,539	1/4	104,005	1/4	116,473
1/2	4,813	1/2	17,282	1/2	29,743	1/2	41,962	1/2	54,423	1/2	66,873	1/2	79,331	1/2	91,799	1/2	104,265	1/2	116,733
3/4	5,072	3/4	17,542	3/4	30,000	3/4	42,221	3/4	54,683	3/4	67,132	3/4	79,591	3/4	92,058	3/4	104,525	3/4	116,992
6	5,331	6	17,801	6	30,257	6	42,481	6	54,942	6	67,391	6	79,850	6	92,318	6	104,785	6	117,252
1/4	5,591	1/4	18,061	1/4	30,510	1/4	42,741	1/4	55,202	1/4	67,651	1/4	80,110	1/4	92,578	1/4	105,044	1/4	117,512
1/2	5,851	1/2	18,321	1/2	30,763	1/2	43,000	1/2	55,462	1/2	67,910	1/2	80,370	1/2	92,838	1/2	105,304	1/2	117,772
3/4	6,110	3/4	18,581	3/4	31,017	3/4	43,260	3/4	55,721	3/4	68,169	3/4	80,630	3/4	93,097	3/4	105,564	3/4	118,031
7	6,370	7	18,840	7	31,270	7	43,519	7	55,981	7	68,428	7	80,889	7	93,357	7	105,824	7	118,291
1/4	6,630	1/4	19,100	1/4	31,523	1/4	43,779	1/4	56,240	1/4	68,687	1/4	81,149	1/4	93,617	1/4	106,083	1/4	118,551
1/2	6,889	1/2	19,360	1/2	31,777	1/2	44,039	1/2	56,500	1/2	68,946	1/2	81,409	1/2	93,876	1/2	106,343	1/2	118,811
3/4	7,149	3/4	19,620	3/4	32,030	3/4	44,298	3/4	56,760	3/4	69,205	3/4	81,669	3/4	94,136	3/4	106,603	3/4	119,070
8	7,409	8	19,879	8	32,283	8	44,558	8	57,019	8	69,464	8	81,928	8	94,396	8	106,863	8	119,330
1/4	7,669	1/4	20,139	1/4	32,537	1/4	44,817	1/4	57,279	1/4	69,724	1/4	82,188	1/4	94,656	1/4	107,122	1/4	119,590
1/2	7,929	1/2	20,399	1/2	32,790	1/2	45,077	1/2	57,538	1/2	69,983	1/2	82,448	1/2	94,915	1/2	107,382	1/2	119,850
3/4	8,189	3/4	20,659	3/4	33,044	3/4	45,337	3/4	57,798	3/4	70,242	3/4	82,708	3/4	95,175	3/4	107,642	3/4	120,109
9	8,449	9	20,918	9	33,297	9	45,596	9	58,058	9	70,501	9	82,967	9	95,435	9	107,902	9	120,369
1/4	8,709	1/4	21,178	1/4	33,550	1/4	45,856	1/4	58,317	1/4	70,760	1/4	83,227	1/4	95,695	1/4	108,161	1/4	120,610
1/2	8,969	1/2	21,438	1/2	33,804	1/2	46,115	1/2	58,577	1/2	71,020	1/2	83,487	1/2	95,954	1/2	108,421	1/2	120,851
3/4	9,229	3/4	21,698	3/4	34,057	3/4	46,375	3/4	58,836	3/4	71,279	3/4	83,747	3/4	96,214	3/4	108,681	3/4	121,091
10	9,489	10	21,957	10	34,310	10	46,635	10	59,096	10	71,539	10	84,006	10	96,474	10	108,941	10	121,332
1/4	9,749	1/4	22,217	1/4	34,564	1/4	46,894	1/4	59,356	1/4	71,799	1/4	84,266	1/4	96,733	1/4	109,200	1/4	121,554
1/2	10,008	1/2	22,477	1/2	34,817	1/2	47,154	1/2	59,615	1/2	72,058	1/2	84,526	1/2	96,993	1/2	109,460	1/2	121,776
3/4	10,268	3/4	22,737	3/4	35,071	3/4	47,414	3/4	59,875	3/4	72,318	3/4	84,786	3/4	97,253	3/4	109,720	3/4	121,998
11	10,528	11	22,996	11	35,324	11	47,673	11	60,135	11	72,578	11	85,045	11	97,513	11	109,980	11	122,220
1/4	10,788	1/4	23,256	1/4	35,577	1/4	47,933	1/4	60,394	1/4	72,838	1/4	85,305	1/4	97,772	1/4	110,239	1/4	122,442
1/2	11,048	1/2	23,516	1/2	35,831	1/2	48,192	1/2	60,653	1/2	73,097	1/2	85,565	1/2	98,032	1/2	110,499	1/2	122,664
3/4	11,307	3/4	23,776	3/4	36,084	3/4	48,452	3/4	60,913	3/4	73,357	3/4	85,825	3/4	98,292	3/4	110,759	3/4	122,886

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 30'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
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BARGE "IB 1103"

1 CENTER INNAGE 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	123,108	0	133,772	0	144,436	0	155,100	0	165,706	0		0		0		0		0	
1/4	123,330	1/4	133,994	1/4	144,658	1/4	155,322	1/4	165,861	1/4		1/4		1/4		1/4		1/4	
1/2	123,553	1/2	134,217	1/2	144,881	1/2	155,545	1/2	166,016	1/2		1/2		1/2		1/2		1/2	
3/4	123,775	3/4	134,439	3/4	145,103	3/4	155,767	3/4	166,172	3/4		3/4		3/4		3/4		3/4	
1	123,997	1	134,661	1	145,325	1	155,989	1	166,327	1		1		1		1		1	
1/4	124,219	1/4	134,883	1/4	145,547	1/4	156,211	1/4	166,416	1/4		1/4		1/4		1/4		1/4	
1/2	124,441	1/2	135,105	1/2	145,769	1/2	156,433	1/2	166,506	1/2		1/2		1/2		1/2		1/2	
3/4	124,663	3/4	135,327	3/4	145,991	3/4	156,655	3/4	166,595	3/4		3/4		3/4		3/4		3/4	
2	124,886	2	135,550	2	146,214	2	156,878	2	166,685	2		2		2		2		2	
1/4	125,108	1/4	135,772	1/4	146,436	1/4	157,100	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	125,330	1/2	135,994	1/2	146,658	1/2	157,322	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	125,552	3/4	136,216	3/4	146,880	3/4	157,544	3/4		3/4		3/4		3/4		3/4		3/4	
3	125,774	3	136,438	3	147,102	3	157,766	3		3		3		3		3		3	
1/4	125,996	1/4	136,660	1/4	147,324	1/4	157,988	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	126,219	1/2	136,883	1/2	147,547	1/2	158,211	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	126,441	3/4	137,105	3/4	147,769	3/4	158,433	3/4		3/4		3/4		3/4		3/4		3/4	
4	126,663	4	137,327	4	147,991	4	158,655	4		4		4		4		4		4	
1/4	126,885	1/4	137,549	1/4	148,213	1/4	158,877	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	127,107	1/2	137,771	1/2	148,435	1/2	159,099	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	127,329	3/4	137,993	3/4	148,657	3/4	159,321	3/4		3/4		3/4		3/4		3/4		3/4	
5	127,552	5	138,216	5	148,880	5	159,544	5		5		5		5		5		5	
1/4	127,774	1/4	138,438	1/4	149,102	1/4	159,766	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	127,996	1/2	138,660	1/2	149,324	1/2	159,988	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	128,218	3/4	138,882	3/4	149,546	3/4	160,210	3/4		3/4		3/4		3/4		3/4		3/4	
6	128,440	6	139,104	6	149,768	6	160,432	6		6		6		6		6		6	
1/4	128,662	1/4	139,326	1/4	149,990	1/4	160,655	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	128,885	1/2	139,549	1/2	150,213	1/2	160,877	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	129,107	3/4	139,771	3/4	150,435	3/4	161,099	3/4		3/4		3/4		3/4		3/4		3/4	
7	129,329	7	139,993	7	150,657	7	161,321	7		7		7		7		7		7	
1/4	129,551	1/4	140,215	1/4	150,879	1/4	161,543	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	129,773	1/2	140,437	1/2	151,101	1/2	161,765	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	129,995	3/4	140,659	3/4	151,323	3/4	161,988	3/4		3/4		3/4		3/4		3/4		3/4	
8	130,218	8	140,882	8	151,546	8	162,210	8		8		8		8		8		8	
1/4	130,440	1/4	141,104	1/4	151,768	1/4	162,432	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	130,662	1/2	141,326	1/2	151,990	1/2	162,654	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	130,884	3/4	141,548	3/4	152,212	3/4	162,876	3/4		3/4		3/4		3/4		3/4		3/4	
9	131,106	9	141,770	9	152,434	9	163,098	9		9		9		9		9		9	
1/4	131,328	1/4	141,992	1/4	152,656	1/4	163,320	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	131,551	1/2	142,215	1/2	152,879	1/2	163,542	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	131,773	3/4	142,437	3/4	153,101	3/4	163,764	3/4		3/4		3/4		3/4		3/4		3/4	
10	131,995	10	142,659	10	153,323	10	163,986	10		10		10		10		10		10	
1/4	132,217	1/4	142,881	1/4	153,545	1/4	164,207	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	132,439	1/2	143,103	1/2	153,767	1/2	164,428	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	132,661	3/4	143,325	3/4	153,989	3/4	164,650	3/4		3/4		3/4		3/4		3/4		3/4	
11	132,884	11	143,548	11	154,212	11	164,871	11		11		11		11		11		11	
1/4	133,106	1/4	143,770	1/4	154,434	1/4	165,080	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	133,328	1/2	143,992	1/2	154,656	1/2	165,288	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	133,550	3/4	144,214	3/4	154,878	3/4	165,497	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/10/2018 CL
CALCULATED: 04/11/2018 CL
PRINTED: 04/11/2018 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2018

PRECISION MEASUREMENT
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BARGE "IB 1103"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-02 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	103	0	10,103	0	21,141	0	32,015	0	42,965	0	54,003	0	65,041	0	76,079	0	87,117	0	98,155
1/4	180	1/4	10,333	1/4	21,371	1/4	32,238	1/4	43,195	1/4	54,233	1/4	65,271	1/4	76,309	1/4	87,347	1/4	98,385
1/2	256	1/2	10,563	1/2	21,601	1/2	32,462	1/2	43,425	1/2	54,463	1/2	65,501	1/2	76,539	1/2	87,577	1/2	98,615
3/4	333	3/4	10,793	3/4	21,831	3/4	32,686	3/4	43,655	3/4	54,693	3/4	65,731	3/4	76,679	3/4	87,807	3/4	98,845
1	409	1	11,023	1	22,061	1	32,909	1	43,885	1	54,923	1	65,961	1	76,999	1	88,037	1	99,075
1/4	563	1/4	11,253	1/4	22,290	1/4	33,133	1/4	44,115	1/4	55,153	1/4	66,191	1/4	77,229	1/4	88,267	1/4	99,305
1/2	716	1/2	11,483	1/2	22,520	1/2	33,357	1/2	44,345	1/2	55,383	1/2	66,421	1/2	77,459	1/2	88,497	1/2	99,535
3/4	869	3/4	11,713	3/4	22,750	3/4	33,581	3/4	44,575	3/4	55,613	3/4	66,651	3/4	77,689	3/4	88,727	3/4	99,765
2	1,022	2	11,943	2	22,980	2	33,804	2	44,805	2	55,843	2	66,881	2	77,919	2	88,957	2	99,995
1/4	1,230	1/4	12,173	1/4	23,210	1/4	34,028	1/4	45,035	1/4	56,073	1/4	67,111	1/4	78,149	1/4	89,187	1/4	100,225
1/2	1,438	1/2	12,403	1/2	23,440	1/2	34,252	1/2	45,265	1/2	56,303	1/2	67,341	1/2	78,379	1/2	89,417	1/2	100,455
3/4	1,647	3/4	12,633	3/4	23,670	3/4	34,475	3/4	45,495	3/4	56,533	3/4	67,571	3/4	78,609	3/4	89,647	3/4	100,685
3	1,855	3	12,863	3	23,900	3	34,699	3	45,725	3	56,763	3	67,801	3	78,839	3	89,877	3	100,915
1/4	2,081	1/4	13,092	1/4	24,130	1/4	34,926	1/4	45,955	1/4	56,993	1/4	68,031	1/4	79,069	1/4	90,107	1/4	101,145
1/2	2,307	1/2	13,322	1/2	24,360	1/2	35,153	1/2	46,185	1/2	57,223	1/2	68,261	1/2	79,299	1/2	90,337	1/2	101,375
3/4	2,534	3/4	13,552	3/4	24,590	3/4	35,380	3/4	46,414	3/4	57,452	3/4	68,490	3/4	79,528	3/4	90,566	3/4	101,604
4	2,760	4	13,782	4	24,820	4	35,606	4	46,644	4	57,682	4	68,720	4	79,758	4	90,796	4	101,834
1/4	2,988	1/4	14,012	1/4	25,050	1/4	35,836	1/4	46,874	1/4	57,912	1/4	68,950	1/4	79,988	1/4	91,026	1/4	102,064
1/2	3,216	1/2	14,242	1/2	25,280	1/2	36,066	1/2	47,104	1/2	58,142	1/2	69,180	1/2	80,218	1/2	91,256	1/2	102,294
3/4	3,444	3/4	14,472	3/4	25,510	3/4	36,296	3/4	47,334	3/4	58,372	3/4	69,410	3/4	80,448	3/4	91,486	3/4	102,524
5	3,672	5	14,702	5	25,740	5	36,526	5	47,564	5	58,602	5	69,640	5	80,678	5	91,716	5	102,754
1/4	3,900	1/4	14,932	1/4	25,966	1/4	36,756	1/4	47,794	1/4	58,832	1/4	69,870	1/4	80,908	1/4	91,946	1/4	102,984
1/2	4,129	1/2	15,162	1/2	26,193	1/2	36,986	1/2	48,024	1/2	59,062	1/2	70,100	1/2	81,138	1/2	92,176	1/2	103,214
3/4	4,358	3/4	15,392	3/4	26,420	3/4	37,216	3/4	48,254	3/4	59,292	3/4	70,330	3/4	81,368	3/4	92,406	3/4	103,444
6	4,587	6	15,622	6	26,647	6	37,446	6	48,484	6	59,522	6	70,560	6	81,598	6	92,636	6	103,674
1/4	4,816	1/4	15,852	1/4	26,871	1/4	37,676	1/4	48,714	1/4	59,752	1/4	70,790	1/4	81,828	1/4	92,866	1/4	103,904
1/2	5,046	1/2	16,082	1/2	27,094	1/2	37,906	1/2	48,944	1/2	59,982	1/2	71,020	1/2	82,058	1/2	93,096	1/2	104,134
3/4	5,275	3/4	16,312	3/4	27,318	3/4	38,136	3/4	49,174	3/4	60,212	3/4	71,250	3/4	82,288	3/4	93,326	3/4	104,364
7	5,505	7	16,542	7	27,542	7	38,366	7	49,404	7	60,442	7	71,480	7	82,518	7	93,556	7	104,594
1/4	5,735	1/4	16,772	1/4	27,765	1/4	38,596	1/4	49,634	1/4	60,672	1/4	71,710	1/4	82,748	1/4	93,786	1/4	104,824
1/2	5,965	1/2	17,002	1/2	27,989	1/2	38,826	1/2	49,864	1/2	60,902	1/2	71,940	1/2	82,978	1/2	94,016	1/2	105,054
3/4	6,194	3/4	17,232	3/4	28,213	3/4	39,056	3/4	50,094	3/4	61,132	3/4	72,170	3/4	83,208	3/4	94,246	3/4	105,284
8	6,424	8	17,462	8	28,436	8	39,286	8	50,324	8	61,362	8	72,400	8	83,438	8	94,476	8	105,514
1/4	6,654	1/4	17,691	1/4	28,660	1/4	39,516	1/4	50,554	1/4	61,592	1/4	72,630	1/4	83,668	1/4	94,706	1/4	105,744
1/2	6,884	1/2	17,921	1/2	28,884	1/2	39,746	1/2	50,784	1/2	61,822	1/2	72,860	1/2	83,898	1/2	94,936	1/2	105,974
3/4	7,114	3/4	18,151	3/4	29,107	3/4	39,976	3/4	51,014	3/4	62,052	3/4	73,090	3/4	84,128	3/4	95,166	3/4	106,204
9	7,344	9	18,381	9	29,331	9	40,206	9	51,244	9	62,282	9	73,320	9	84,358	9	95,396	9	106,434
1/4	7,574	1/4	18,611	1/4	29,555	1/4	40,436	1/4	51,474	1/4	62,512	1/4	73,550	1/4	84,588	1/4	95,626	1/4	106,664
1/2	7,804	1/2	18,841	1/2	29,778	1/2	40,666	1/2	51,704	1/2	62,742	1/2	73,780	1/2	84,818	1/2	95,856	1/2	106,894
3/4	8,034	3/4	19,071	3/4	30,002	3/4	40,895	3/4	51,933	3/4	62,971	3/4	74,009	3/4	85,047	3/4	96,085	3/4	107,123
10	8,264	10	19,301	10	30,225	10	41,125	10	52,163	10	63,201	10	74,239	10	85,277	10	96,315	10	107,353
1/4	8,493	1/4	19,531	1/4	30,449	1/4	41,355	1/4	52,393	1/4	63,431	1/4	74,469	1/4	85,507	1/4	96,545	1/4	107,583
1/2	8,723	1/2	19,761	1/2	30,673	1/2	41,585	1/2	52,623	1/2	63,661	1/2	74,699	1/2	85,737	1/2	96,775	1/2	107,813
3/4	8,953	3/4	19,991	3/4	30,896	3/4	41,815	3/4	52,853	3/4	63,891	3/4	74,929	3/4	85,967	3/4	97,005	3/4	108,043
11	9,183	11	20,221	11	31,120	11	42,045	11	53,083	11	64,121	11	75,159	11	86,197	11	97,235	11	108,273
1/4	9,413	1/4	20,451	1/4	31,344	1/4	42,275	1/4	53,313	1/4	64,351	1/4	75,389	1/4	86,427	1/4	97,465	1/4	108,503
1/2	9,643	1/2	20,681	1/2	31,567	1/2	42,505	1/2	53,543	1/2	64,581	1/2	75,619	1/2	86,657	1/2	97,695	1/2	108,733
3/4	9,873	3/4	20,911	3/4	31,791	3/4	42,735	3/4	53,773	3/4	64,811	3/4	75,849	3/4	86,887	3/4	97,925	3/4	108,963

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 24'-03" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "IB 1103"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-02 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	109,193	0	120,231	0	131,269	0	142,307	0	153,293	0		0		0		0		0	
1/4	109,423	1/4	120,461	1/4	131,499	1/4	142,537	1/4	153,464	1/4		1/4		1/4		1/4		1/4	
1/2	109,653	1/2	120,691	1/2	131,729	1/2	142,767	1/2	153,635	1/2		1/2		1/2		1/2		1/2	
3/4	109,883	3/4	120,921	3/4	131,959	3/4	142,997	3/4	153,806	3/4		3/4		3/4		3/4		3/4	
1	110,113	1	121,151	1	132,189	1	143,227	1	153,977	1		1		1		1		1	
1/4	110,343	1/4	121,381	1/4	132,419	1/4	143,457	1/4	154,073	1/4		1/4		1/4		1/4		1/4	
1/2	110,573	1/2	121,611	1/2	132,649	1/2	143,687	1/2	154,169	1/2		1/2		1/2		1/2		1/2	
3/4	110,803	3/4	121,841	3/4	132,879	3/4	143,917	3/4	154,264	3/4		3/4		3/4		3/4		3/4	
2	111,033	2	122,071	2	133,109	2	144,147	2	154,360	2		2		2		2		2	
1/4	111,263	1/4	122,301	1/4	133,339	1/4	144,377	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	111,493	1/2	122,531	1/2	133,569	1/2	144,607	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	111,723	3/4	122,761	3/4	133,799	3/4	144,837	3/4		3/4		3/4		3/4		3/4		3/4	
3	111,953	3	122,991	3	134,029	3	145,067	3		3		3		3		3		3	
1/4	112,183	1/4	123,221	1/4	134,259	1/4	145,297	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	112,413	1/2	123,451	1/2	134,489	1/2	145,527	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	112,642	3/4	123,680	3/4	134,718	3/4	145,756	3/4		3/4		3/4		3/4		3/4		3/4	
4	112,872	4	123,910	4	134,948	4	145,986	4		4		4		4		4		4	
1/4	113,102	1/4	124,140	1/4	135,178	1/4	146,216	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	113,332	1/2	124,370	1/2	135,408	1/2	146,446	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	113,562	3/4	124,600	3/4	135,638	3/4	146,676	3/4		3/4		3/4		3/4		3/4		3/4	
5	113,792	5	124,830	5	135,868	5	146,906	5		5		5		5		5		5	
1/4	114,022	1/4	125,060	1/4	136,098	1/4	147,136	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	114,252	1/2	125,290	1/2	136,328	1/2	147,366	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	114,482	3/4	125,520	3/4	136,558	3/4	147,596	3/4		3/4		3/4		3/4		3/4		3/4	
6	114,712	6	125,750	6	136,788	6	147,826	6		6		6		6		6		6	
1/4	114,942	1/4	125,980	1/4	137,018	1/4	148,056	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	115,172	1/2	126,210	1/2	137,248	1/2	148,286	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	115,402	3/4	126,440	3/4	137,478	3/4	148,516	3/4		3/4		3/4		3/4		3/4		3/4	
7	115,632	7	126,670	7	137,708	7	148,746	7		7		7		7		7		7	
1/4	115,862	1/4	126,900	1/4	137,938	1/4	148,976	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	116,092	1/2	127,130	1/2	138,168	1/2	149,206	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	116,322	3/4	127,360	3/4	138,398	3/4	149,436	3/4		3/4		3/4		3/4		3/4		3/4	
8	116,552	8	127,590	8	138,628	8	149,666	8		8		8		8		8		8	
1/4	116,782	1/4	127,820	1/4	138,858	1/4	149,896	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	117,012	1/2	128,050	1/2	139,088	1/2	150,126	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	117,242	3/4	128,280	3/4	139,318	3/4	150,356	3/4		3/4		3/4		3/4		3/4		3/4	
9	117,472	9	128,510	9	139,548	9	150,586	9		9		9		9		9		9	
1/4	117,702	1/4	128,740	1/4	139,778	1/4	150,815	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	117,932	1/2	128,970	1/2	140,008	1/2	151,045	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	118,161	3/4	129,199	3/4	140,237	3/4	151,275	3/4		3/4		3/4		3/4		3/4		3/4	
10	118,391	10	129,429	10	140,467	10	151,505	10		10		10		10		10		10	
1/4	118,621	1/4	129,659	1/4	140,697	1/4	151,734	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	118,851	1/2	129,889	1/2	140,927	1/2	151,963	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	119,081	3/4	130,119	3/4	141,157	3/4	152,192	3/4		3/4		3/4		3/4		3/4		3/4	
11	119,311	11	130,349	11	141,387	11	152,421	11		11		11		11		11		11	
1/4	119,541	1/4	130,579	1/4	141,617	1/4	152,639	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	119,771	1/2	130,809	1/2	141,847	1/2	152,857	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	120,001	3/4	131,039	3/4	142,077	3/4	153,075	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/10/2018 CL
CALCULATED: 04/11/2018 CL
PRINTED: 04/11/2018 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2018

PRECISION MEASUREMENT
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BARGE "IB 1103"

3 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	102	0	10,024	0	20,975	0	31,915	0	42,861	0	53,812	0	64,764	0	75,715	0	86,667	0	97,618
1/4	178	1/4	10,252	1/4	21,204	1/4	32,143	1/4	43,089	1/4	54,040	1/4	64,992	1/4	75,943	1/4	86,895	1/4	97,847
1/2	254	1/2	10,481	1/2	21,432	1/2	32,370	1/2	43,317	1/2	54,268	1/2	65,220	1/2	76,172	1/2	87,123	1/2	98,075
3/4	330	3/4	10,709	3/4	21,660	3/4	32,598	3/4	43,545	3/4	54,497	3/4	65,448	3/4	76,400	3/4	87,351	3/4	98,303
1	406	1	10,937	1	21,888	1	32,826	1	43,773	1	54,725	1	65,676	1	76,628	1	87,579	1	98,531
1/4	558	1/4	11,165	1/4	22,116	1/4	33,053	1/4	44,001	1/4	54,953	1/4	65,905	1/4	76,856	1/4	87,808	1/4	98,759
1/2	710	1/2	11,393	1/2	22,344	1/2	33,281	1/2	44,230	1/2	55,181	1/2	66,133	1/2	77,084	1/2	88,036	1/2	98,987
3/4	862	3/4	11,621	3/4	22,572	3/4	33,509	3/4	44,458	3/4	55,409	3/4	66,361	3/4	77,312	3/4	88,264	3/4	99,215
2	1,014	2	11,849	2	22,801	2	33,737	2	44,686	2	55,637	2	66,589	2	77,541	2	88,492	2	99,444
1/4	1,221	1/4	12,078	1/4	23,029	1/4	33,964	1/4	44,914	1/4	55,866	1/4	66,817	1/4	77,769	1/4	88,720	1/4	99,672
1/2	1,427	1/2	12,306	1/2	23,257	1/2	34,192	1/2	45,142	1/2	56,094	1/2	67,045	1/2	77,997	1/2	88,948	1/2	99,900
3/4	1,634	3/4	12,534	3/4	23,485	3/4	34,420	3/4	45,370	3/4	56,322	3/4	67,273	3/4	78,225	3/4	89,177	3/4	100,128
3	1,841	3	12,762	3	23,713	3	34,648	3	45,599	3	56,550	3	67,502	3	78,453	3	89,405	3	100,356
1/4	2,065	1/4	12,990	1/4	23,941	1/4	34,876	1/4	45,827	1/4	56,778	1/4	67,730	1/4	78,681	1/4	89,633	1/4	100,584
1/2	2,290	1/2	13,218	1/2	24,169	1/2	35,104	1/2	46,055	1/2	57,006	1/2	67,958	1/2	78,909	1/2	89,861	1/2	100,813
3/4	2,514	3/4	13,446	3/4	24,398	3/4	35,332	3/4	46,283	3/4	57,235	3/4	68,186	3/4	79,138	3/4	90,089	3/4	101,041
4	2,739	4	13,675	4	24,626	4	35,560	4	46,511	4	57,463	4	68,414	4	79,366	4	90,317	4	101,269
1/4	2,965	1/4	13,903	1/4	24,854	1/4	35,788	1/4	46,739	1/4	57,691	1/4	68,642	1/4	79,594	1/4	90,546	1/4	101,497
1/2	3,191	1/2	14,131	1/2	25,082	1/2	36,016	1/2	46,967	1/2	57,919	1/2	68,871	1/2	79,822	1/2	90,774	1/2	101,725
3/4	3,417	3/4	14,359	3/4	25,310	3/4	36,244	3/4	47,196	3/4	58,147	3/4	69,099	3/4	80,050	3/4	91,002	3/4	101,953
5	3,643	5	14,587	5	25,538	5	36,472	5	47,424	5	58,375	5	69,327	5	80,278	5	91,230	5	102,182
1/4	3,870	1/4	14,815	1/4	25,766	1/4	36,700	1/4	47,652	1/4	58,603	1/4	69,555	1/4	80,507	1/4	91,458	1/4	102,410
1/2	4,097	1/2	15,044	1/2	25,994	1/2	36,929	1/2	47,880	1/2	58,832	1/2	69,783	1/2	80,735	1/2	91,686	1/2	102,638
3/4	4,324	3/4	15,272	3/4	26,222	3/4	37,157	3/4	48,108	3/4	59,060	3/4	70,011	3/4	80,963	3/4	91,914	3/4	102,866
6	4,551	6	15,500	6	26,450	6	37,385	6	48,336	6	59,288	6	70,240	6	81,191	6	92,143	6	103,094
1/4	4,779	1/4	15,728	1/4	26,678	1/4	37,613	1/4	48,565	1/4	59,516	1/4	70,468	1/4	81,419	1/4	92,371	1/4	103,322
1/2	5,007	1/2	15,956	1/2	26,905	1/2	37,841	1/2	48,793	1/2	59,744	1/2	70,696	1/2	81,647	1/2	92,599	1/2	103,550
3/4	5,234	3/4	16,184	3/4	27,133	3/4	38,069	3/4	49,021	3/4	59,972	3/4	70,924	3/4	81,876	3/4	92,827	3/4	103,779
7	5,462	7	16,412	7	27,361	7	38,297	7	49,249	7	60,201	7	71,152	7	82,104	7	93,055	7	104,007
1/4	5,690	1/4	16,641	1/4	27,589	1/4	38,526	1/4	49,477	1/4	60,429	1/4	71,380	1/4	82,332	1/4	93,283	1/4	104,235
1/2	5,918	1/2	16,869	1/2	27,816	1/2	38,754	1/2	49,705	1/2	60,657	1/2	71,608	1/2	82,560	1/2	93,512	1/2	104,463
3/4	6,146	3/4	17,097	3/4	28,044	3/4	38,982	3/4	49,933	3/4	60,885	3/4	71,837	3/4	82,788	3/4	93,740	3/4	104,691
8	6,374	8	17,325	8	28,272	8	39,210	8	50,162	8	61,113	8	72,065	8	83,016	8	93,968	8	104,919
1/4	6,602	1/4	17,553	1/4	28,499	1/4	39,438	1/4	50,390	1/4	61,341	1/4	72,293	1/4	83,244	1/4	94,196	1/4	105,148
1/2	6,830	1/2	17,781	1/2	28,727	1/2	39,666	1/2	50,618	1/2	61,570	1/2	72,521	1/2	83,473	1/2	94,424	1/2	105,376
3/4	7,058	3/4	18,009	3/4	28,955	3/4	39,895	3/4	50,846	3/4	61,798	3/4	72,749	3/4	83,701	3/4	94,652	3/4	105,604
9	7,286	9	18,238	9	29,182	9	40,123	9	51,074	9	62,026	9	72,977	9	83,929	9	94,881	9	105,832
1/4	7,515	1/4	18,466	1/4	29,410	1/4	40,351	1/4	51,302	1/4	62,254	1/4	73,206	1/4	84,157	1/4	95,109	1/4	106,060
1/2	7,743	1/2	18,694	1/2	29,638	1/2	40,579	1/2	51,531	1/2	62,482	1/2	73,434	1/2	84,385	1/2	95,337	1/2	106,288
3/4	7,971	3/4	18,922	3/4	29,866	3/4	40,807	3/4	51,759	3/4	62,710	3/4	73,662	3/4	84,613	3/4	95,565	3/4	106,517
10	8,199	10	19,150	10	30,093	10	41,035	10	51,987	10	62,938	10	73,890	10	84,842	10	95,793	10	106,745
1/4	8,427	1/4	19,378	1/4	30,321	1/4	41,264	1/4	52,215	1/4	63,167	1/4	74,118	1/4	85,070	1/4	96,021	1/4	106,973
1/2	8,655	1/2	19,606	1/2	30,549	1/2	41,492	1/2	52,443	1/2	63,395	1/2	74,346	1/2	85,298	1/2	96,249	1/2	107,201
3/4	8,884	3/4	19,835	3/4	30,776	3/4	41,720	3/4	52,671	3/4	63,623	3/4	74,574	3/4	85,526	3/4	96,478	3/4	107,429
11	9,112	11	20,063	11	31,004	11	41,948	11	52,900	11	63,851	11	74,803	11	85,754	11	96,706	11	107,657
1/4	9,340	1/4	20,291	1/4	31,232	1/4	42,176	1/4	53,128	1/4	64,079	1/4	75,031	1/4	85,982	1/4	96,934	1/4	107,885
1/2	9,568	1/2	20,519	1/2	31,460	1/2	42,404	1/2	53,356	1/2	64,307	1/2	75,259	1/2	86,211	1/2	97,162	1/2	108,114
3/4	9,796	3/4	20,747	3/4	31,687	3/4	42,632	3/4	53,584	3/4	64,536	3/4	75,487	3/4	86,439	3/4	97,390	3/4	108,342

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 24'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "IB 1103"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-03 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	108,798	1/4	119,750	1/4	130,701	1/4	141,653	1/4	152,494	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	109,026	1/2	119,978	1/2	130,929	1/2	141,881	1/2	152,664	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	109,254	3/4	120,206	3/4	131,158	3/4	142,109	3/4	152,833	3/4		3/4		3/4		3/4		3/4		3/4	
1	109,483	1	120,434	1	131,386	1	142,337	1	153,003	1	1	1	1	1	1	1	1	1	1	1	1
1/4	109,711	1/4	120,662	1/4	131,614	1/4	142,565	1/4	153,098	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	109,939	1/2	120,890	1/2	131,842	1/2	142,794	1/2	153,193	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	110,167	3/4	121,119	3/4	132,070	3/4	143,022	3/4	153,288	3/4		3/4		3/4		3/4		3/4		3/4	
2	110,395	2	121,347	2	132,298	2	143,250	2	153,383	2	2	2	2	2	2	2	2	2	2	2	2
1/4	110,623	1/4	121,575	1/4	132,526	1/4	143,478	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	110,852	1/2	121,803	1/2	132,755	1/2	143,706	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	111,080	3/4	122,031	3/4	132,983	3/4	143,934	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	111,308	3	122,259	3	133,211	3	144,163	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1/4	111,536	1/4	122,488	1/4	133,439	1/4	144,391	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	111,764	1/2	122,716	1/2	133,667	1/2	144,619	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	111,992	3/4	122,944	3/4	133,895	3/4	144,847	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	112,220	4	123,172	4	134,124	4	145,075	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1/4	112,449	1/4	123,400	1/4	134,352	1/4	145,303	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	112,677	1/2	123,628	1/2	134,580	1/2	145,531	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	112,905	3/4	123,856	3/4	134,808	3/4	145,760	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	113,133	5	124,085	5	135,036	5	145,988	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1/4	113,361	1/4	124,313	1/4	135,264	1/4	146,216	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	113,589	1/2	124,541	1/2	135,493	1/2	146,444	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	113,818	3/4	124,769	3/4	135,721	3/4	146,672	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	114,046	6	124,997	6	135,949	6	146,900	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1/4	114,274	1/4	125,225	1/4	136,177	1/4	147,129	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	114,502	1/2	125,454	1/2	136,405	1/2	147,357	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	114,730	3/4	125,682	3/4	136,633	3/4	147,585	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	114,958	7	125,910	7	136,861	7	147,813	7	7	7	7	7	7	7	7	7	7	7	7	7	7
1/4	115,187	1/4	126,138	1/4	137,090	1/4	148,041	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	115,415	1/2	126,366	1/2	137,318	1/2	148,269	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	115,643	3/4	126,594	3/4	137,546	3/4	148,497	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	115,871	8	126,823	8	137,774	8	148,726	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1/4	116,099	1/4	127,051	1/4	138,002	1/4	148,954	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	116,327	1/2	127,279	1/2	138,230	1/2	149,182	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	116,555	3/4	127,507	3/4	138,459	3/4	149,410	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	116,784	9	127,735	9	138,687	9	149,638	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1/4	117,012	1/4	127,963	1/4	138,915	1/4	149,866	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	117,240	1/2	128,191	1/2	139,143	1/2	150,094	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	117,468	3/4	128,420	3/4	139,371	3/4	150,322	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	117,696	10	128,648	10	139,599	10	150,550	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4	117,924	1/4	128,876	1/4	139,828	1/4	150,777	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	118,153	1/2	129,104	1/2	140,056	1/2	151,005	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	118,381	3/4	129,332	3/4	140,284	3/4	151,232	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	118,609	11	129,560	11	140,512	11	151,459	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4	118,837	1/4	129,789	1/4	140,740	1/4	151,676	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	119,065	1/2	130,017	1/2	140,968	1/2	151,892	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	119,293	3/4	130,245	3/4	141,196	3/4	152,108	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/10/2018 CL
CALCULATED: 04/11/2018 CL
PRINTED: 04/11/2018 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2018

PRECISION MEASUREMENT
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