



BARGE "IB 1104"

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	00-7/8	- 00-7/8	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 1104"

1 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	257	0	11,581	0	24,063	0	36,380	0	48,769	0	61,244	0	73,703	0	86,185	0	98,667	0	111,148
1/4	343	1/4	11,841	1/4	24,324	1/4	36,634	1/4	49,029	1/4	61,503	1/4	73,963	1/4	86,445	1/4	98,927	1/4	111,409
1/2	430	1/2	12,101	1/2	24,584	1/2	36,887	1/2	49,288	1/2	61,763	1/2	74,223	1/2	86,705	1/2	99,187	1/2	111,669
3/4	517	3/4	12,361	3/4	24,844	3/4	37,141	3/4	49,548	3/4	62,022	3/4	74,483	3/4	86,965	3/4	99,447	3/4	111,929
1	604	1	12,621	1	25,104	1	37,395	1	49,808	1	62,281	1	74,743	1	87,225	1	99,707	1	112,189
1/4	778	1/4	12,881	1/4	25,364	1/4	37,648	1/4	50,068	1/4	62,541	1/4	75,003	1/4	87,485	1/4	99,967	1/4	112,449
1/2	951	1/2	13,141	1/2	25,624	1/2	37,902	1/2	50,328	1/2	62,800	1/2	75,263	1/2	87,745	1/2	100,227	1/2	112,709
3/4	1,125	3/4	13,401	3/4	25,884	3/4	38,156	3/4	50,588	3/4	63,060	3/4	75,523	3/4	88,005	3/4	100,487	3/4	112,969
2	1,298	2	13,661	2	26,144	2	38,409	2	50,848	2	63,319	2	75,783	2	88,265	2	100,747	2	113,229
1/4	1,534	1/4	13,921	1/4	26,404	1/4	38,663	1/4	51,108	1/4	63,579	1/4	76,043	1/4	88,525	1/4	101,007	1/4	113,489
1/2	1,770	1/2	14,181	1/2	26,664	1/2	38,917	1/2	51,368	1/2	63,838	1/2	76,303	1/2	88,786	1/2	101,267	1/2	113,749
3/4	2,006	3/4	14,441	3/4	26,924	3/4	39,170	3/4	51,628	3/4	64,098	3/4	76,563	3/4	89,046	3/4	101,527	3/4	114,009
3	2,242	3	14,702	3	27,184	3	39,424	3	51,888	3	64,357	3	76,823	3	89,306	3	101,787	3	114,269
1/4	2,498	1/4	14,962	1/4	27,444	1/4	39,681	1/4	52,148	1/4	64,616	1/4	77,084	1/4	89,566	1/4	102,047	1/4	114,529
1/2	2,755	1/2	15,222	1/2	27,704	1/2	39,938	1/2	52,407	1/2	64,876	1/2	77,344	1/2	89,826	1/2	102,307	1/2	114,789
3/4	3,011	3/4	15,482	3/4	27,964	3/4	40,195	3/4	52,667	3/4	65,135	3/4	77,604	3/4	90,086	3/4	102,567	3/4	115,049
4	3,267	4	15,742	4	28,224	4	40,451	4	52,927	4	65,395	4	77,864	4	90,346	4	102,827	4	115,309
1/4	3,526	1/4	16,002	1/4	28,484	1/4	40,711	1/4	53,187	1/4	65,654	1/4	78,124	1/4	90,606	1/4	103,087	1/4	115,569
1/2	3,784	1/2	16,262	1/2	28,744	1/2	40,971	1/2	53,447	1/2	65,914	1/2	78,384	1/2	90,866	1/2	103,347	1/2	115,829
3/4	4,042	3/4	16,522	3/4	29,004	3/4	41,231	3/4	53,707	3/4	66,173	3/4	78,644	3/4	91,126	3/4	103,607	3/4	116,089
5	4,300	5	16,782	5	29,265	5	41,491	5	53,967	5	66,433	5	78,904	5	91,386	5	103,867	5	116,349
1/4	4,560	1/4	17,042	1/4	29,521	1/4	41,751	1/4	54,227	1/4	66,692	1/4	79,164	1/4	91,646	1/4	104,127	1/4	116,609
1/2	4,819	1/2	17,302	1/2	29,778	1/2	42,011	1/2	54,487	1/2	66,951	1/2	79,424	1/2	91,906	1/2	104,387	1/2	116,869
3/4	5,078	3/4	17,562	3/4	30,035	3/4	42,271	3/4	54,747	3/4	67,211	3/4	79,684	3/4	92,166	3/4	104,647	3/4	117,130
6	5,338	6	17,822	6	30,292	6	42,531	6	55,007	6	67,470	6	79,944	6	92,426	6	104,907	6	117,390
1/4	5,597	1/4	18,082	1/4	30,546	1/4	42,791	1/4	55,267	1/4	67,730	1/4	80,204	1/4	92,686	1/4	105,167	1/4	117,650
1/2	5,857	1/2	18,342	1/2	30,799	1/2	43,051	1/2	55,526	1/2	67,989	1/2	80,464	1/2	92,946	1/2	105,428	1/2	117,910
3/4	6,117	3/4	18,602	3/4	31,053	3/4	43,310	3/4	55,786	3/4	68,249	3/4	80,724	3/4	93,206	3/4	105,688	3/4	118,170
7	6,377	7	18,862	7	31,307	7	43,570	7	56,046	7	68,508	7	80,984	7	93,466	7	105,948	7	118,430
1/4	6,637	1/4	19,122	1/4	31,560	1/4	43,830	1/4	56,306	1/4	68,768	1/4	81,244	1/4	93,726	1/4	106,208	1/4	118,690
1/2	6,897	1/2	19,383	1/2	31,814	1/2	44,090	1/2	56,566	1/2	69,027	1/2	81,504	1/2	93,986	1/2	106,468	1/2	118,950
3/4	7,158	3/4	19,643	3/4	32,068	3/4	44,350	3/4	56,826	3/4	69,286	3/4	81,764	3/4	94,246	3/4	106,728	3/4	119,210
8	7,418	8	19,903	8	32,321	8	44,610	8	57,086	8	69,546	8	82,024	8	94,507	8	106,988	8	119,470
1/4	7,678	1/4	20,163	1/4	32,575	1/4	44,870	1/4	57,346	1/4	69,805	1/4	82,284	1/4	94,767	1/4	107,248	1/4	119,730
1/2	7,938	1/2	20,423	1/2	32,829	1/2	45,130	1/2	57,606	1/2	70,065	1/2	82,544	1/2	95,027	1/2	107,508	1/2	119,990
3/4	8,198	3/4	20,683	3/4	33,082	3/4	45,390	3/4	57,866	3/4	70,324	3/4	82,805	3/4	95,287	3/4	107,768	3/4	120,250
9	8,458	9	20,943	9	33,336	9	45,650	9	58,126	9	70,584	9	83,065	9	95,547	9	108,028	9	120,510
1/4	8,719	1/4	21,203	1/4	33,590	1/4	45,910	1/4	58,386	1/4	70,843	1/4	83,325	1/4	95,807	1/4	108,288	1/4	120,771
1/2	8,979	1/2	21,463	1/2	33,843	1/2	46,169	1/2	58,645	1/2	71,103	1/2	83,585	1/2	96,067	1/2	108,548	1/2	120,992
3/4	9,239	3/4	21,723	3/4	34,097	3/4	46,429	3/4	58,905	3/4	71,363	3/4	83,845	3/4	96,327	3/4	108,808	3/4	121,233
10	9,500	10	21,983	10	34,351	10	46,689	10	59,165	10	71,623	10	84,105	10	96,587	10	109,068	10	121,474
1/4	9,760	1/4	22,243	1/4	34,604	1/4	46,949	1/4	59,425	1/4	71,883	1/4	84,365	1/4	96,847	1/4	109,328	1/4	121,696
1/2	10,020	1/2	22,503	1/2	34,858	1/2	47,209	1/2	59,685	1/2	72,143	1/2	84,625	1/2	97,107	1/2	109,588	1/2	121,918
3/4	10,280	3/4	22,763	3/4	35,112	3/4	47,469	3/4	59,945	3/4	72,403	3/4	84,885	3/4	97,367	3/4	109,848	3/4	122,141
11	10,541	11	23,023	11	35,365	11	47,729	11	60,205	11	72,663	11	85,145	11	97,627	11	110,108	11	122,363
1/4	10,801	1/4	23,283	1/4	35,619	1/4	47,989	1/4	60,465	1/4	72,923	1/4	85,405	1/4	97,887	1/4	110,368	1/4	122,585
1/2	11,061	1/2	23,543	1/2	35,873	1/2	48,249	1/2	60,724	1/2	73,183	1/2	85,665	1/2	98,147	1/2	110,628	1/2	122,808
3/4	11,321	3/4	23,803	3/4	36,126	3/4	48,509	3/4	60,984	3/4	73,443	3/4	85,925	3/4	98,407	3/4	110,888	3/4	123,030

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
 & ANALYSIS, INC.
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BARGE "IB 1104"

1 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	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	123,475	1/4	134,151	1/4	144,828	1/4	155,504	1/4	166,055	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	123,697	1/2	134,374	1/2	145,050	1/2	155,727	1/2	166,211	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	123,920	3/4	134,596	3/4	145,273	3/4	155,949	3/4	166,366	3/4		3/4		3/4		3/4		3/4		3/4	
1	124,142	1	134,819	1	145,495	1	156,172	1	166,522	1		1		1		1		1		1	
1/4	124,365	1/4	135,041	1/4	145,718	1/4	156,394	1/4	166,611	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	124,587	1/2	135,263	1/2	145,940	1/2	156,617	1/2	166,701	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	124,809	3/4	135,486	3/4	146,162	3/4	156,839	3/4	166,790	3/4		3/4		3/4		3/4		3/4		3/4	
2	125,032	2	135,708	2	146,385	2	157,061	2	166,880	2		2		2		2		2		2	
1/4	125,254	1/4	135,931	1/4	146,607	1/4	157,284	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	125,477	1/2	136,153	1/2	146,830	1/2	157,506	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	125,699	3/4	136,376	3/4	147,052	3/4	157,729	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	125,922	3	136,598	3	147,275	3	157,951	3		3		3		3		3		3		3	
1/4	126,144	1/4	136,820	1/4	147,497	1/4	158,174	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	126,366	1/2	137,043	1/2	147,719	1/2	158,396	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	126,589	3/4	137,265	3/4	147,942	3/4	158,618	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	126,811	4	137,488	4	148,164	4	158,841	4		4		4		4		4		4		4	
1/4	127,034	1/4	137,710	1/4	148,387	1/4	159,063	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	127,256	1/2	137,933	1/2	148,609	1/2	159,286	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	127,479	3/4	138,155	3/4	148,832	3/4	159,508	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	127,701	5	138,377	5	149,054	5	159,731	5		5		5		5		5		5		5	
1/4	127,923	1/4	138,600	1/4	149,276	1/4	159,953	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	128,146	1/2	138,822	1/2	149,499	1/2	160,175	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	128,368	3/4	139,045	3/4	149,721	3/4	160,398	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	128,591	6	139,267	6	149,944	6	160,620	6		6		6		6		6		6		6	
1/4	128,813	1/4	139,490	1/4	150,166	1/4	160,843	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	129,036	1/2	139,712	1/2	150,389	1/2	161,065	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	129,258	3/4	139,934	3/4	150,611	3/4	161,288	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	129,480	7	140,157	7	150,833	7	161,510	7		7		7		7		7		7		7	
1/4	129,703	1/4	140,379	1/4	151,056	1/4	161,732	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	129,925	1/2	140,602	1/2	151,278	1/2	161,955	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	130,148	3/4	140,824	3/4	151,501	3/4	162,177	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	130,370	8	141,047	8	151,723	8	162,400	8		8		8		8		8		8		8	
1/4	130,593	1/4	141,269	1/4	151,946	1/4	162,622	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	130,815	1/2	141,491	1/2	152,168	1/2	162,844	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	131,037	3/4	141,714	3/4	152,390	3/4	163,067	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	131,260	9	141,936	9	152,613	9	163,289	9		9		9		9		9		9		9	
1/4	131,482	1/4	142,159	1/4	152,835	1/4	163,511	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	131,705	1/2	142,381	1/2	153,058	1/2	163,734	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	131,927	3/4	142,604	3/4	153,280	3/4	163,956	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	132,150	10	142,826	10	153,503	10	164,178	10		10		10		10		10		10		10	
1/4	132,372	1/4	143,048	1/4	153,725	1/4	164,400	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	132,594	1/2	143,271	1/2	153,947	1/2	164,621	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	132,817	3/4	143,493	3/4	154,170	3/4	164,842	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	133,039	11	143,716	11	154,392	11	165,064	11		11		11		11		11		11		11	
1/4	133,262	1/4	143,938	1/4	154,615	1/4	165,273	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	133,484	1/2	144,161	1/2	154,837	1/2	165,482	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	133,707	3/4	144,383	3/4	155,060	3/4	165,691	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
& ANALYSIS, INC.
P.O. Box 2092
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<http://www.pmacorp.net>



BARGE "IB 1104"

2 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	103	0	10,121	0	21,177	0	32,070	0	43,040	0	54,097	0	65,154	0	76,211	0	87,268	0	98,325
1/4	180	1/4	10,351	1/4	21,408	1/4	32,294	1/4	43,270	1/4	54,327	1/4	65,384	1/4	76,441	1/4	87,498	1/4	98,555
1/2	257	1/2	10,581	1/2	21,638	1/2	32,518	1/2	43,500	1/2	54,557	1/2	65,614	1/2	76,672	1/2	87,729	1/2	98,786
3/4	333	3/4	10,812	3/4	21,868	3/4	32,742	3/4	43,731	3/4	54,788	3/4	65,845	3/4	76,902	3/4	87,959	3/4	99,016
1	410	1	11,042	1	22,099	1	32,966	1	43,961	1	55,018	1	66,075	1	77,132	1	88,189	1	99,247
1/4	564	1/4	11,272	1/4	22,329	1/4	33,191	1/4	44,191	1/4	55,248	1/4	66,306	1/4	77,363	1/4	88,420	1/4	99,477
1/2	717	1/2	11,503	1/2	22,559	1/2	33,415	1/2	44,422	1/2	55,479	1/2	66,536	1/2	77,593	1/2	88,650	1/2	99,707
3/4	870	3/4	11,733	3/4	22,790	3/4	33,639	3/4	44,652	3/4	55,709	3/4	66,766	3/4	77,823	3/4	88,881	3/4	99,938
2	1,024	2	11,963	2	23,020	2	33,863	2	44,882	2	55,940	2	66,997	2	78,054	2	89,111	2	100,168
1/4	1,232	1/4	12,194	1/4	23,250	1/4	34,087	1/4	45,113	1/4	56,170	1/4	67,227	1/4	78,284	1/4	89,341	1/4	100,398
1/2	1,441	1/2	12,424	1/2	23,481	1/2	34,311	1/2	45,343	1/2	56,400	1/2	67,457	1/2	78,514	1/2	89,572	1/2	100,629
3/4	1,650	3/4	12,654	3/4	23,711	3/4	34,535	3/4	45,573	3/4	56,631	3/4	67,688	3/4	78,745	3/4	89,802	3/4	100,859
3	1,858	3	12,885	3	23,941	3	34,759	3	45,804	3	56,861	3	67,918	3	78,975	3	90,032	3	101,089
1/4	2,085	1/4	13,115	1/4	24,172	1/4	34,986	1/4	46,034	1/4	57,091	1/4	68,148	1/4	79,206	1/4	90,263	1/4	101,320
1/2	2,311	1/2	13,346	1/2	24,402	1/2	35,214	1/2	46,265	1/2	57,322	1/2	68,379	1/2	79,436	1/2	90,493	1/2	101,550
3/4	2,538	3/4	13,576	3/4	24,633	3/4	35,441	3/4	46,495	3/4	57,552	3/4	68,609	3/4	79,666	3/4	90,723	3/4	101,780
4	2,765	4	13,806	4	24,863	4	35,668	4	46,725	4	57,782	4	68,839	4	79,897	4	90,954	4	102,011
1/4	2,993	1/4	14,037	1/4	25,093	1/4	35,898	1/4	46,956	1/4	58,013	1/4	69,070	1/4	80,127	1/4	91,184	1/4	102,241
1/2	3,221	1/2	14,267	1/2	25,324	1/2	36,129	1/2	47,186	1/2	58,243	1/2	69,300	1/2	80,357	1/2	91,414	1/2	102,472
3/4	3,450	3/4	14,497	3/4	25,554	3/4	36,359	3/4	47,416	3/4	58,473	3/4	69,531	3/4	80,588	3/4	91,645	3/4	102,702
5	3,678	5	14,728	5	25,784	5	36,590	5	47,647	5	58,704	5	69,761	5	80,818	5	91,875	5	102,932
1/4	3,907	1/4	14,958	1/4	26,011	1/4	36,820	1/4	47,877	1/4	58,934	1/4	69,991	1/4	81,048	1/4	92,106	1/4	103,163
1/2	4,136	1/2	15,188	1/2	26,239	1/2	37,050	1/2	48,107	1/2	59,165	1/2	70,222	1/2	81,279	1/2	92,336	1/2	103,393
3/4	4,366	3/4	15,419	3/4	26,466	3/4	37,281	3/4	48,338	3/4	59,395	3/4	70,452	3/4	81,509	3/4	92,566	3/4	103,623
6	4,595	6	15,649	6	26,693	6	37,511	6	48,568	6	59,625	6	70,682	6	81,739	6	92,797	6	103,854
1/4	4,825	1/4	15,879	1/4	26,917	1/4	37,741	1/4	48,798	1/4	59,856	1/4	70,913	1/4	81,970	1/4	93,027	1/4	104,084
1/2	5,055	1/2	16,110	1/2	27,141	1/2	37,972	1/2	49,029	1/2	60,086	1/2	71,143	1/2	82,200	1/2	93,257	1/2	104,314
3/4	5,285	3/4	16,340	3/4	27,365	3/4	38,202	3/4	49,259	3/4	60,316	3/4	71,373	3/4	82,431	3/4	93,488	3/4	104,545
7	5,514	7	16,570	7	27,589	7	38,432	7	49,490	7	60,547	7	71,604	7	82,661	7	93,718	7	104,775
1/4	5,745	1/4	16,801	1/4	27,813	1/4	38,663	1/4	49,720	1/4	60,777	1/4	71,834	1/4	82,891	1/4	93,948	1/4	105,005
1/2	5,975	1/2	17,031	1/2	28,037	1/2	38,893	1/2	49,950	1/2	61,007	1/2	72,064	1/2	83,122	1/2	94,179	1/2	105,236
3/4	6,205	3/4	17,261	3/4	28,261	3/4	39,123	3/4	50,181	3/4	61,238	3/4	72,295	3/4	83,352	3/4	94,409	3/4	105,466
8	6,435	8	17,492	8	28,485	8	39,354	8	50,411	8	61,468	8	72,525	8	83,582	8	94,639	8	105,697
1/4	6,666	1/4	17,722	1/4	28,710	1/4	39,584	1/4	50,641	1/4	61,698	1/4	72,756	1/4	83,813	1/4	94,870	1/4	105,927
1/2	6,896	1/2	17,952	1/2	28,934	1/2	39,815	1/2	50,872	1/2	61,929	1/2	72,986	1/2	84,043	1/2	95,100	1/2	106,157
3/4	7,126	3/4	18,183	3/4	29,158	3/4	40,045	3/4	51,102	3/4	62,159	3/4	73,216	3/4	84,273	3/4	95,330	3/4	106,388
9	7,356	9	18,413	9	29,382	9	40,275	9	51,332	9	62,390	9	73,447	9	84,504	9	95,561	9	106,618
1/4	7,587	1/4	18,644	1/4	29,606	1/4	40,506	1/4	51,563	1/4	62,620	1/4	73,677	1/4	84,734	1/4	95,791	1/4	106,848
1/2	7,817	1/2	18,874	1/2	29,830	1/2	40,736	1/2	51,793	1/2	62,850	1/2	73,907	1/2	84,964	1/2	96,022	1/2	107,079
3/4	8,048	3/4	19,104	3/4	30,054	3/4	40,966	3/4	52,023	3/4	63,081	3/4	74,138	3/4	85,195	3/4	96,252	3/4	107,309
10	8,278	10	19,335	10	30,278	10	41,197	10	52,254	10	63,311	10	74,368	10	85,425	10	96,482	10	107,539
1/4	8,508	1/4	19,565	1/4	30,502	1/4	41,427	1/4	52,484	1/4	63,541	1/4	74,598	1/4	85,656	1/4	96,713	1/4	107,770
1/2	8,739	1/2	19,795	1/2	30,726	1/2	41,657	1/2	52,715	1/2	63,772	1/2	74,829	1/2	85,886	1/2	96,943	1/2	108,000
3/4	8,969	3/4	20,026	3/4	30,950	3/4	41,888	3/4	52,945	3/4	64,002	3/4	75,059	3/4	86,116	3/4	97,173	3/4	108,230
11	9,199	11	20,256	11	31,174	11	42,118	11	53,175	11	64,232	11	75,289	11	86,347	11	97,404	11	108,461
1/4	9,430	1/4	20,486	1/4	31,398	1/4	42,348	1/4	53,406	1/4	64,463	1/4	75,520	1/4	86,577	1/4	97,634	1/4	108,691
1/2	9,660	1/2	20,717	1/2	31,622	1/2	42,579	1/2	53,636	1/2	64,693	1/2	75,750	1/2	86,807	1/2	97,864	1/2	108,922
3/4	9,890	3/4	20,947	3/4	31,846	3/4	42,809	3/4	53,866	3/4	64,923	3/4	75,981	3/4	87,038	3/4	98,095	3/4	109,152

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
<http://www.pmacorp.net>



BARGE "IB 1104"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-02 1/4"

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	109,613	1/4	120,670	1/4	131,727	1/4	142,784	1/4	153,730	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	109,843	1/2	120,900	1/2	131,957	1/2	143,014	1/2	153,901	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	110,073	3/4	121,130	3/4	132,188	3/4	143,245	3/4	154,072	3/4		3/4		3/4		3/4		3/4		3/4	
1	110,304	1	121,361	1	132,418	1	143,475	1	154,244	1	1	1	1	1	1	1	1	1	1	1	1
1/4	110,534	1/4	121,591	1/4	132,648	1/4	143,705	1/4	154,340	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	110,764	1/2	121,822	1/2	132,879	1/2	143,936	1/2	154,436	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	110,995	3/4	122,052	3/4	133,109	3/4	144,166	3/4	154,532	3/4		3/4		3/4		3/4		3/4		3/4	
2	111,225	2	122,282	2	133,339	2	144,396	2	154,628	2	2	2	2	2	2	2	2	2	2	2	2
1/4	111,455	1/4	122,513	1/4	133,570	1/4	144,627	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	111,686	1/2	122,743	1/2	133,800	1/2	144,857	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	111,916	3/4	122,973	3/4	134,030	3/4	145,088	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	112,147	3	123,204	3	134,261	3	145,318	3	154,861	3	3	3	3	3	3	3	3	3	3	3	3
1/4	112,377	1/4	123,434	1/4	134,491	1/4	145,548	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	112,607	1/2	123,664	1/2	134,721	1/2	145,779	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	112,838	3/4	123,895	3/4	134,952	3/4	146,009	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	113,068	4	124,125	4	135,182	4	146,239	4	155,104	4	4	4	4	4	4	4	4	4	4	4	4
1/4	113,298	1/4	124,355	1/4	135,413	1/4	146,470	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	113,529	1/2	124,586	1/2	135,643	1/2	146,700	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	113,759	3/4	124,816	3/4	135,873	3/4	146,930	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	113,989	5	125,046	5	136,104	5	147,161	5	155,337	5	5	5	5	5	5	5	5	5	5	5	5
1/4	114,220	1/4	125,277	1/4	136,334	1/4	147,391	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	114,450	1/2	125,507	1/2	136,564	1/2	147,621	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	114,680	3/4	125,738	3/4	136,795	3/4	147,852	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	114,911	6	125,968	6	137,025	6	148,082	6	155,514	6	6	6	6	6	6	6	6	6	6	6	6
1/4	115,141	1/4	126,198	1/4	137,255	1/4	148,313	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	115,372	1/2	126,429	1/2	137,486	1/2	148,543	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	115,602	3/4	126,659	3/4	137,716	3/4	148,773	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	115,832	7	126,889	7	137,946	7	149,004	7	155,691	7	7	7	7	7	7	7	7	7	7	7	7
1/4	116,063	1/4	127,120	1/4	138,177	1/4	149,234	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	116,293	1/2	127,350	1/2	138,407	1/2	149,464	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	116,523	3/4	127,580	3/4	138,638	3/4	149,695	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	116,754	8	127,811	8	138,868	8	149,925	8	155,868	8	8	8	8	8	8	8	8	8	8	8	8
1/4	116,984	1/4	128,041	1/4	139,098	1/4	150,155	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	117,214	1/2	128,271	1/2	139,329	1/2	150,386	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	117,445	3/4	128,502	3/4	139,559	3/4	150,616	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	117,675	9	128,732	9	139,789	9	150,846	9	156,041	9	9	9	9	9	9	9	9	9	9	9	9
1/4	117,905	1/4	128,963	1/4	140,020	1/4	151,077	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	118,136	1/2	129,193	1/2	140,250	1/2	151,307	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	118,366	3/4	129,423	3/4	140,480	3/4	151,537	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	118,597	10	129,654	10	140,711	10	151,767	10	156,264	10	10	10	10	10	10	10	10	10	10	10	10
1/4	118,827	1/4	129,884	1/4	140,941	1/4	151,997	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	119,057	1/2	130,114	1/2	141,171	1/2	152,226	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	119,288	3/4	130,345	3/4	141,402	3/4	152,455	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	119,518	11	130,575	11	141,632	11	152,685	11	156,481	11	11	11	11	11	11	11	11	11	11	11	11
1/4	119,748	1/4	130,805	1/4	141,863	1/4	152,903	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	119,979	1/2	131,036	1/2	142,093	1/2	153,122	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	120,209	3/4	131,266	3/4	142,323	3/4	153,340	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
& ANALYSIS, INC.
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BARGE "IB 1104"

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	102	0	10,028	0	20,983	0	31,927	0	42,877	0	53,832	0	64,788	0	75,744	0	86,699	0	97,655
1/4	178	1/4	10,256	1/4	21,211	1/4	32,155	1/4	43,105	1/4	54,061	1/4	65,016	1/4	75,972	1/4	86,927	1/4	97,883
1/2	254	1/2	10,484	1/2	21,440	1/2	32,382	1/2	43,333	1/2	54,289	1/2	65,244	1/2	76,200	1/2	87,156	1/2	98,111
3/4	331	3/4	10,713	3/4	21,668	3/4	32,610	3/4	43,561	3/4	54,517	3/4	65,473	3/4	76,428	3/4	87,384	3/4	98,340
1	407	1	10,941	1	21,896	1	32,838	1	43,790	1	54,745	1	65,701	1	76,657	1	87,612	1	98,568
1/4	559	1/4	11,169	1/4	22,124	1/4	33,066	1/4	44,018	1/4	54,974	1/4	65,929	1/4	76,885	1/4	87,840	1/4	98,796
1/2	711	1/2	11,397	1/2	22,353	1/2	33,294	1/2	44,246	1/2	55,202	1/2	66,157	1/2	77,113	1/2	88,069	1/2	99,024
3/4	863	3/4	11,626	3/4	22,581	3/4	33,521	3/4	44,474	3/4	55,430	3/4	66,386	3/4	77,341	3/4	88,297	3/4	99,253
2	1,015	2	11,854	2	22,809	2	33,749	2	44,703	2	55,658	2	66,614	2	77,570	2	88,525	2	99,481
1/4	1,221	1/4	12,082	1/4	23,037	1/4	33,977	1/4	44,931	1/4	55,886	1/4	66,842	1/4	77,798	1/4	88,753	1/4	99,709
1/2	1,428	1/2	12,310	1/2	23,266	1/2	34,205	1/2	45,159	1/2	56,115	1/2	67,070	1/2	78,026	1/2	88,982	1/2	99,937
3/4	1,635	3/4	12,539	3/4	23,494	3/4	34,433	3/4	45,387	3/4	56,343	3/4	67,299	3/4	78,254	3/4	89,210	3/4	100,166
3	1,841	3	12,767	3	23,722	3	34,661	3	45,616	3	56,571	3	67,527	3	78,482	3	89,438	3	100,394
1/4	2,066	1/4	12,995	1/4	23,950	1/4	34,889	1/4	45,844	1/4	56,799	1/4	67,755	1/4	78,711	1/4	89,666	1/4	100,622
1/2	2,290	1/2	13,223	1/2	24,178	1/2	35,117	1/2	46,072	1/2	57,028	1/2	67,983	1/2	78,939	1/2	89,895	1/2	100,850
3/4	2,515	3/4	13,452	3/4	24,407	3/4	35,345	3/4	46,300	3/4	57,256	3/4	68,212	3/4	79,167	3/4	90,123	3/4	101,079
4	2,740	4	13,680	4	24,635	4	35,573	4	46,529	4	57,484	4	68,440	4	79,395	4	90,351	4	101,307
1/4	2,966	1/4	13,908	1/4	24,863	1/4	35,801	1/4	46,757	1/4	57,712	1/4	68,668	1/4	79,624	1/4	90,579	1/4	101,535
1/2	3,192	1/2	14,136	1/2	25,091	1/2	36,029	1/2	46,985	1/2	57,941	1/2	68,896	1/2	79,852	1/2	90,808	1/2	101,763
3/4	3,418	3/4	14,364	3/4	25,320	3/4	36,258	3/4	47,213	3/4	58,169	3/4	69,125	3/4	80,080	3/4	91,036	3/4	101,991
5	3,644	5	14,593	5	25,548	5	36,486	5	47,441	5	58,397	5	69,353	5	80,308	5	91,264	5	102,220
1/4	3,872	1/4	14,821	1/4	25,776	1/4	36,714	1/4	47,670	1/4	58,625	1/4	69,581	1/4	80,537	1/4	91,492	1/4	102,448
1/2	4,099	1/2	15,049	1/2	26,004	1/2	36,942	1/2	47,898	1/2	58,854	1/2	69,809	1/2	80,765	1/2	91,721	1/2	102,676
3/4	4,326	3/4	15,277	3/4	26,232	3/4	37,171	3/4	48,126	3/4	59,082	3/4	70,038	3/4	80,993	3/4	91,949	3/4	102,904
6	4,553	6	15,506	6	26,460	6	37,399	6	48,354	6	59,310	6	70,266	6	81,221	6	92,177	6	103,133
1/4	4,781	1/4	15,734	1/4	26,688	1/4	37,627	1/4	48,583	1/4	59,538	1/4	70,494	1/4	81,450	1/4	92,405	1/4	103,361
1/2	5,009	1/2	15,962	1/2	26,916	1/2	37,855	1/2	48,811	1/2	59,767	1/2	70,722	1/2	81,678	1/2	92,634	1/2	103,589
3/4	5,236	3/4	16,190	3/4	27,143	3/4	38,084	3/4	49,039	3/4	59,995	3/4	70,950	3/4	81,906	3/4	92,862	3/4	103,817
7	5,464	7	16,419	7	27,371	7	38,312	7	49,267	7	60,223	7	71,179	7	82,134	7	93,090	7	104,046
1/4	5,692	1/4	16,647	1/4	27,599	1/4	38,540	1/4	49,496	1/4	60,451	1/4	71,407	1/4	82,363	1/4	93,318	1/4	104,274
1/2	5,920	1/2	16,875	1/2	27,827	1/2	38,768	1/2	49,724	1/2	60,680	1/2	71,635	1/2	82,591	1/2	93,547	1/2	104,502
3/4	6,148	3/4	17,103	3/4	28,054	3/4	38,997	3/4	49,952	3/4	60,908	3/4	71,863	3/4	82,819	3/4	93,775	3/4	104,730
8	6,376	8	17,331	8	28,282	8	39,225	8	50,180	8	61,136	8	72,092	8	83,047	8	94,003	8	104,959
1/4	6,605	1/4	17,560	1/4	28,510	1/4	39,453	1/4	50,409	1/4	61,364	1/4	72,320	1/4	83,276	1/4	94,231	1/4	105,187
1/2	6,833	1/2	17,788	1/2	28,738	1/2	39,681	1/2	50,637	1/2	61,593	1/2	72,548	1/2	83,504	1/2	94,459	1/2	105,415
3/4	7,061	3/4	18,016	3/4	28,966	3/4	39,909	3/4	50,865	3/4	61,821	3/4	72,776	3/4	83,732	3/4	94,688	3/4	105,643
9	7,289	9	18,244	9	29,193	9	40,138	9	51,093	9	62,049	9	73,005	9	83,960	9	94,916	9	105,872
1/4	7,517	1/4	18,473	1/4	29,421	1/4	40,366	1/4	51,322	1/4	62,277	1/4	73,233	1/4	84,189	1/4	95,144	1/4	106,100
1/2	7,746	1/2	18,701	1/2	29,649	1/2	40,594	1/2	51,550	1/2	62,506	1/2	73,461	1/2	84,417	1/2	95,372	1/2	106,328
3/4	7,974	3/4	18,929	3/4	29,877	3/4	40,822	3/4	51,778	3/4	62,734	3/4	73,689	3/4	84,645	3/4	95,601	3/4	106,556
10	8,202	10	19,157	10	30,105	10	41,051	10	52,006	10	62,962	10	73,918	10	84,873	10	95,829	10	106,785
1/4	8,430	1/4	19,386	1/4	30,332	1/4	41,279	1/4	52,235	1/4	63,190	1/4	74,146	1/4	85,102	1/4	96,057	1/4	107,013
1/2	8,659	1/2	19,614	1/2	30,560	1/2	41,507	1/2	52,463	1/2	63,418	1/2	74,374	1/2	85,330	1/2	96,285	1/2	107,241
3/4	8,887	3/4	19,842	3/4	30,788	3/4	41,735	3/4	52,691	3/4	63,647	3/4	74,602	3/4	85,558	3/4	96,514	3/4	107,469
11	9,115	11	20,070	11	31,016	11	41,964	11	52,919	11	63,875	11	74,831	11	85,786	11	96,742	11	107,698
1/4	9,343	1/4	20,299	1/4	31,243	1/4	42,192	1/4	53,148	1/4	64,103	1/4	75,059	1/4	86,015	1/4	96,970	1/4	107,926
1/2	9,572	1/2	20,527	1/2	31,471	1/2	42,420	1/2	53,376	1/2	64,331	1/2	75,287	1/2	86,243	1/2	97,198	1/2	108,154
3/4	9,800	3/4	20,755	3/4	31,699	3/4	42,648	3/4	53,604	3/4	64,560	3/4	75,515	3/4	86,471	3/4	97,427	3/4	108,382

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 1104"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-02 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	108,839	1/4	119,794	1/4	130,750	1/4	141,706	1/4	152,551	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	109,067	1/2	120,023	1/2	130,978	1/2	141,934	1/2	152,721	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	109,295	3/4	120,251	3/4	131,207	3/4	142,162	3/4	152,891	3/4		3/4		3/4		3/4		3/4		3/4	
1	109,524	1	120,479	1	131,435	1	142,390	1	153,060	1		1		1		1		1		1	
1/4	109,752	1/4	120,707	1/4	131,663	1/4	142,619	1/4	153,155	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	109,980	1/2	120,936	1/2	131,891	1/2	142,847	1/2	153,250	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	110,208	3/4	121,164	3/4	132,120	3/4	143,075	3/4	153,346	3/4		3/4		3/4		3/4		3/4		3/4	
2	110,436	2	121,392	2	132,348	2	143,303	2	153,441	2		2		2		2		2		2	
1/4	110,665	1/4	121,620	1/4	132,576	1/4	143,532	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	110,893	1/2	121,849	1/2	132,804	1/2	143,760	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	111,121	3/4	122,077	3/4	133,033	3/4	143,988	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	111,349	3	122,305	3	133,261	3	144,216	3		3		3		3		3		3		3	
1/4	111,578	1/4	122,533	1/4	133,489	1/4	144,445	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	111,806	1/2	122,762	1/2	133,717	1/2	144,673	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	112,034	3/4	122,990	3/4	133,945	3/4	144,901	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	112,262	4	123,218	4	134,174	4	145,129	4		4		4		4		4		4		4	
1/4	112,491	1/4	123,446	1/4	134,402	1/4	145,358	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	112,719	1/2	123,675	1/2	134,630	1/2	145,586	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	112,947	3/4	123,903	3/4	134,858	3/4	145,814	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	113,175	5	124,131	5	135,087	5	146,042	5		5		5		5		5		5		5	
1/4	113,404	1/4	124,359	1/4	135,315	1/4	146,271	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	113,632	1/2	124,588	1/2	135,543	1/2	146,499	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	113,860	3/4	124,816	3/4	135,771	3/4	146,727	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	114,088	6	125,044	6	136,000	6	146,955	6		6		6		6		6		6		6	
1/4	114,317	1/4	125,272	1/4	136,228	1/4	147,184	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	114,545	1/2	125,500	1/2	136,456	1/2	147,412	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	114,773	3/4	125,729	3/4	136,684	3/4	147,640	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	115,001	7	125,957	7	136,913	7	147,868	7		7		7		7		7		7		7	
1/4	115,230	1/4	126,185	1/4	137,141	1/4	148,097	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	115,458	1/2	126,413	1/2	137,369	1/2	148,325	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	115,686	3/4	126,642	3/4	137,597	3/4	148,553	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	115,914	8	126,870	8	137,826	8	148,781	8		8		8		8		8		8		8	
1/4	116,143	1/4	127,098	1/4	138,054	1/4	149,009	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	116,371	1/2	127,326	1/2	138,282	1/2	149,238	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	116,599	3/4	127,555	3/4	138,510	3/4	149,466	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	116,827	9	127,783	9	138,739	9	149,694	9		9		9		9		9		9		9	
1/4	117,056	1/4	128,011	1/4	138,967	1/4	149,922	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	117,284	1/2	128,239	1/2	139,195	1/2	150,150	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	117,512	3/4	128,468	3/4	139,423	3/4	150,378	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	117,740	10	128,696	10	139,652	10	150,606	10		10		10		10		10		10		10	
1/4	117,968	1/4	128,924	1/4	139,880	1/4	150,834	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	118,197	1/2	129,152	1/2	140,108	1/2	151,061	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	118,425	3/4	129,381	3/4	140,336	3/4	151,288	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	118,653	11	129,609	11	140,565	11	151,516	11		11		11		11		11		11		11	
1/4	118,881	1/4	129,837	1/4	140,793	1/4	151,732	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	119,110	1/2	130,065	1/2	141,021	1/2	151,949	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	119,338	3/4	130,294	3/4	141,249	3/4	152,165	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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