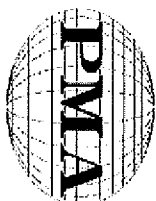


Get it done



BARGE "IB 1301"

INNAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN
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	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-1/8	- 01-1/8	01-1/4	- 01-1/4
3 CENTER	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/4	- 01-1/4

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 2 CENTER IS - 00-3/8"
 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'-03"

August 11, 2019

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

<http://www.pmacorp.net>



BARGE "IB 1301"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS			GAUGE HEIGHT 16'-01" 3/4"							
IN	0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.
0	230	11,110	23,037	34,751	46,529	58,434	70,339	82,206	94,116	106,026
1/4	305	11,359	23,285	34,991	46,777	58,682	70,587	82,454	94,364	106,274
1/2	380	11,607	23,534	35,230	47,025	58,930	70,835	82,702	94,612	106,522
3/4	454	11,856	23,782	35,470	47,273	59,178	71,083	82,950	94,860	106,770
1	529	12,105	24,030	35,709	47,521	59,426	71,331	83,199	95,108	107,018
1 1/4	699	12,354	24,278	35,949	47,769	59,674	71,579	83,447	95,356	107,266
1 1/2	870	12,602	24,526	36,189	48,017	59,922	71,827	83,695	95,605	107,514
1 3/4	1,041	12,851	24,774	36,428	48,265	60,170	72,075	83,943	95,853	107,762
2	1,211	13,100	25,023	36,668	48,513	60,418	72,322	84,191	96,101	108,011
2 1/4	1,449	13,348	25,271	36,907	48,761	60,666	72,570	84,439	96,349	108,259
1 1/2	1,687	13,597	25,519	37,147	49,009	60,914	72,817	84,687	96,597	108,507
3 1/4	1,925	13,845	25,767	37,386	49,257	61,162	73,064	84,935	96,845	108,755
3	2,163	14,094	26,015	37,626	49,505	61,411	73,311	85,184	97,093	109,003
1 1/4	2,410	14,343	26,263	37,866	49,754	61,659	73,558	85,432	97,341	109,251
1 1/2	2,658	14,591	26,512	38,109	50,002	61,907	73,805	85,680	97,590	109,499
3 1/4	2,906	14,840	26,760	38,351	50,250	62,155	74,052	85,928	97,838	109,747
4	3,154	15,088	27,008	38,593	50,498	62,403	74,299	86,176	98,086	109,994
1 1/4	3,402	15,337	27,256	38,834	50,746	62,651	74,546	86,424	98,334	110,244
1 1/2	3,651	15,586	27,504	39,089	50,994	62,899	74,793	86,672	98,582	110,492
3 1/4	3,899	15,834	27,752	39,337	51,242	63,147	75,040	86,920	98,830	110,740
5	4,147	16,083	28,001	39,585	51,490	63,395	75,287	87,169	99,078	110,988
1 1/4	4,396	16,332	28,249	39,833	51,738	63,643	75,534	87,417	99,326	111,236
1 1/2	4,645	16,580	28,494	40,081	51,986	63,891	75,781	87,665	99,575	111,484
3 1/4	4,893	16,829	28,740	40,329	52,234	64,139	76,028	87,913	99,823	111,732
5	5,142	17,078	28,987	40,577	52,482	64,387	76,276	88,161	100,071	111,980
1 1/4	5,391	17,326	29,229	40,825	52,730	64,635	76,523	88,409	100,319	112,229
1 1/2	5,639	17,575	29,470	41,073	52,978	64,883	76,770	88,657	100,567	112,477
3 1/4	5,888	17,824	29,712	41,321	53,226	65,131	77,017	88,905	100,815	112,725
7	6,137	18,072	29,954	41,569	53,474	65,379	77,264	89,153	101,063	112,973
1 1/4	6,385	18,321	30,195	41,817	53,722	65,627	77,511	89,402	101,311	113,221
1 1/2	6,634	18,569	30,436	42,065	53,970	65,875	77,758	89,650	101,559	113,469
3 1/4	6,883	18,818	30,677	42,313	54,218	66,123	78,005	89,898	101,808	113,717
8	7,131	19,066	30,918	42,561	54,466	66,371	78,252	90,146	102,056	113,965
1 1/4	7,380	19,315	31,158	42,809	54,714	66,619	78,499	90,394	102,304	114,214
1 1/2	7,629	19,563	31,397	43,057	54,962	66,867	78,746	90,642	102,552	114,462
3 1/4	7,877	19,811	31,637	43,305	55,210	67,115	78,993	90,890	102,800	114,710
9	8,126	20,059	31,877	43,553	55,458	67,363	79,240	91,138	103,048	114,958
1 1/4	8,375	20,307	32,116	43,801	55,706	67,611	79,487	91,387	103,296	115,206
1 1/2	8,623	20,555	32,356	44,049	55,954	67,859	79,734	91,635	103,544	115,454
3 1/4	8,872	20,804	32,595	44,297	56,202	68,107	79,981	91,883	103,793	115,702
10	9,121	21,052	32,835	44,545	56,450	68,355	80,229	92,131	104,041	115,950
1 1/4	9,369	21,300	33,074	44,793	56,698	68,603	80,476	92,379	104,289	116,198
1 1/2	9,618	21,548	33,314	45,041	56,946	68,851	80,723	92,627	104,537	116,446
3 1/4	9,867	21,796	33,553	45,289	57,194	69,099	80,970	92,875	104,785	116,693
11	10,115	22,044	33,793	45,537	57,442	69,347	81,217	93,123	105,033	116,941
1 1/4	10,364	22,293	34,033	45,785	57,690	69,595	81,464	93,372	105,281	117,189
1 1/2	10,613	22,541	34,272	46,033	57,938	69,843	81,711	93,620	105,529	117,437
3 1/4	10,861	22,789	34,512	46,281	58,186	70,091	81,959	93,868	105,778	117,684

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 ONLY APPLIES 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'-00" FORWARD OF AFT BULKHEAD

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



BARGE "IB 1301"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-01 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	117,932	0	129,006	0	139,193	0	149,380	0	159,567	0	169,727	0		0		0		0	
1/4	118,180	1/4	129,218	1/4	139,405	1/4	149,592	1/4	159,779	1/4	169,972	1/4		1/4		1/4		1/4	
1/2	118,428	1/2	129,430	1/2	139,617	1/2	149,804	1/2	159,991	1/2	170,017	1/2		1/2		1/2		1/2	
3/4	118,675	3/4	129,643	3/4	139,830	3/4	150,017	3/4	160,204	3/4	170,162	3/4		3/4		3/4		3/4	
1	118,923	1	129,855	1	140,042	1	150,229	1	160,416	1	170,307	1		1		1		1	
1/4	119,171	1/4	130,067	1/4	140,254	1/4	150,441	1/4	160,628	1/4	170,374	1/4		1/4		1/4		1/4	
1/2	119,419	1/2	130,279	1/2	140,466	1/2	150,653	1/2	160,840	1/2	170,442	1/2		1/2		1/2		1/2	
3/4	119,667	3/4	130,482	3/4	140,679	3/4	150,866	3/4	161,053	3/4	170,509	3/4		3/4		3/4		3/4	
2	119,914	2	130,704	2	140,891	2	151,078	2	161,265	2	170,576	2		2		2		2	
1/4	120,162	1/4	130,916	1/4	141,103	1/4	151,290	1/4	161,477	1/4	170,597	1/4		1/4		1/4		1/4	
1/2	120,410	1/2	131,128	1/2	141,315	1/2	151,502	1/2	161,689	1/2	170,617	1/2		1/2		1/2		1/2	
3/4	120,658	3/4	131,340	3/4	141,527	3/4	151,715	3/4	161,902	3/4	170,637	3/4		3/4		3/4		3/4	
3	120,905	3	131,553	3	141,740	3	151,927	3	162,114	3	170,657	3		3		3		3	
1/4	121,153	1/4	131,765	1/4	141,952	1/4	152,139	1/4	162,326	1/4	170,677	1/4		1/4		1/4		1/4	
1/2	121,401	1/2	131,977	1/2	142,164	1/2	152,351	1/2	162,538	1/2	170,697	1/2		1/2		1/2		1/2	
3/4	121,649	3/4	132,189	3/4	142,376	3/4	152,563	3/4	162,750	3/4	170,717	3/4		3/4		3/4		3/4	
4	121,896	4	132,402	4	142,589	4	152,776	4	162,963	4		4		4		4		4	
1/4	122,144	1/4	132,614	1/4	142,801	1/4	152,988	1/4	163,175	1/4	170,737	1/4		1/4		1/4		1/4	
1/2	122,392	1/2	132,826	1/2	143,013	1/2	153,200	1/2	163,387	1/2	170,757	1/2		1/2		1/2		1/2	
3/4	122,640	3/4	133,038	3/4	143,225	3/4	153,412	3/4	163,599	3/4	170,777	3/4		3/4		3/4		3/4	
5	122,888	5	133,251	5	143,438	5	153,625	5	163,812	5	170,797	5		5		5		5	
1/4	123,131	1/4	133,463	1/4	143,650	1/4	153,837	1/4	164,024	1/4	170,817	1/4		1/4		1/4		1/4	
1/2	123,374	1/2	133,675	1/2	143,862	1/2	154,049	1/2	164,236	1/2	170,837	1/2		1/2		1/2		1/2	
3/4	123,617	3/4	133,887	3/4	144,074	3/4	154,261	3/4	164,448	3/4	170,857	3/4		3/4		3/4		3/4	
6	123,860	6	134,099	6	144,286	6	154,473	6	164,661	6	170,877	6		6		6		6	
1/4	124,086	1/4	134,312	1/4	144,499	1/4	154,686	1/4	164,873	1/4	170,897	1/4		1/4		1/4		1/4	
1/2	124,311	1/2	134,524	1/2	144,711	1/2	154,898	1/2	165,085	1/2	170,917	1/2		1/2		1/2		1/2	
3/4	124,536	3/4	134,736	3/4	144,923	3/4	155,110	3/4	165,297	3/4	170,937	3/4		3/4		3/4		3/4	
7	124,761	7	134,948	7	145,135	7	155,322	7	165,509	7	170,957	7		7		7		7	
1/4	124,974	1/4	135,161	1/4	145,348	1/4	155,535	1/4	165,722	1/4	170,977	1/4		1/4		1/4		1/4	
1/2	125,186	1/2	135,373	1/2	145,560	1/2	155,747	1/2	165,934	1/2	170,997	1/2		1/2		1/2		1/2	
3/4	125,398	3/4	135,585	3/4	145,772	3/4	155,959	3/4	166,146	3/4	171,017	3/4		3/4		3/4		3/4	
8	125,610	8	135,797	8	145,984	8	156,171	8	166,358	8	171,037	8		8		8		8	
1/4	125,823	1/4	136,010	1/4	146,197	1/4	156,384	1/4	166,570	1/4	171,057	1/4		1/4		1/4		1/4	
1/2	126,035	1/2	136,222	1/2	146,409	1/2	156,596	1/2	166,783	1/2	171,077	1/2		1/2		1/2		1/2	
3/4	126,247	3/4	136,434	3/4	146,621	3/4	156,808	3/4	166,995	3/4	171,097	3/4		3/4		3/4		3/4	
9	126,459	9	136,646	9	146,833	9	157,020	9	167,207	9	171,117	9		9		9		9	
1/4	126,671	1/4	136,858	1/4	147,045	1/4	157,232	1/4	167,419	1/4	171,137	1/4		1/4		1/4		1/4	
1/2	126,884	1/2	137,071	1/2	147,258	1/2	157,445	1/2	167,630	1/2	171,157	1/2		1/2		1/2		1/2	
3/4	127,096	3/4	137,283	3/4	147,470	3/4	157,657	3/4	167,842	3/4	171,177	3/4		3/4		3/4		3/4	
10	127,308	10	137,495	10	147,682	10	157,869	10	168,054	10	171,197	10		10		10		10	
1/4	127,520	1/4	137,707	1/4	147,894	1/4	158,081	1/4	168,267	1/4	171,217	1/4		1/4		1/4		1/4	
1/2	127,733	1/2	137,920	1/2	148,107	1/2	158,294	1/2	168,480	1/2	171,237	1/2		1/2		1/2		1/2	
3/4	127,945	3/4	138,132	3/4	148,319	3/4	158,506	3/4	168,693	3/4	171,257	3/4		3/4		3/4		3/4	
11	128,157	11	138,344	11	148,531	11	158,718	11	168,906	11	171,277	11		11		11		11	
1/4	128,369	1/4	138,556	1/4	148,743	1/4	158,930	1/4	169,111	1/4	171,297	1/4		1/4		1/4		1/4	
1/2	128,582	1/2	138,769	1/2	148,956	1/2	159,143	1/2	169,316	1/2	171,317	1/2		1/2		1/2		1/2	
3/4	128,794	3/4	138,981	3/4	149,168	3/4	159,355	3/4	169,522	3/4	171,337	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/09/2019 JS
 CALCULATED: 08/10/2019 CL
 PRINTED: 08/11/2019 CL
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 08/2019

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 Pearland, Texas 77588
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BARGE "B 1301"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS			GAUGE HEIGHT 16'-03 1/4"																
IN	0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.									
0	74	0	9,443	0	19,722	0	29,842	0	40,028	0	50,307	0	60,587	0	70,866	0	81,146	0	91,425
1/4	138	1/4	9,657	1/4	19,936	1/4	30,050	1/4	40,242	1/4	50,522	1/4	60,801	1/4	71,081	1/4	81,360	1/4	91,640
1/2	202	1/2	10,871	1/2	20,150	1/2	30,258	1/2	40,456	1/2	50,736	1/2	61,015	1/2	71,295	1/2	81,574	1/2	91,854
3/4	256	3/4	10,086	3/4	20,365	3/4	30,466	3/4	40,674	3/4	50,950	3/4	61,229	3/4	71,509	3/4	81,788	3/4	92,068
1	331	1	10,300	1	20,579	1	30,674	1	40,884	1	51,164	1	61,444	1	71,723	1	82,003	1	92,282
1 1/4	478	1 1/4	10,514	1 1/4	20,793	1 1/4	30,882	1 1/4	41,099	1 1/4	51,378	1 1/4	61,658	1 1/4	71,937	1 1/4	82,217	1 1/4	92,496
1 1/2	624	1 1/2	10,728	1 1/2	21,007	1 1/2	31,090	1 1/2	41,313	1 1/2	51,592	1 1/2	61,872	1 1/2	72,151	1 1/2	82,431	1 1/2	92,710
1 3/4	771	1 3/4	10,942	1 3/4	21,221	1 3/4	31,297	1 3/4	41,527	1 3/4	51,806	1 3/4	62,086	1 3/4	72,366	1 3/4	82,645	1 3/4	92,925
2	918	2	11,156	2	21,435	2	31,505	2	41,741	2	52,021	2	62,300	2	72,580	2	82,859	2	93,139
2 1/4	1,123	2 1/4	11,370	2 1/4	21,649	2 1/4	31,713	2 1/4	41,969	2 1/4	52,235	2 1/4	62,514	2 1/4	72,794	2 1/4	83,073	2 1/4	93,353
2 1/2	1,328	2 1/2	11,585	2 1/2	21,864	2 1/2	31,921	2 1/2	42,169	2 1/2	52,449	2 1/2	62,728	2 1/2	73,008	2 1/2	83,288	2 1/2	93,567
2 3/4	1,533	2 3/4	11,799	2 3/4	22,078	2 3/4	32,129	2 3/4	42,384	2 3/4	52,663	2 3/4	62,943	2 3/4	73,222	2 3/4	83,502	2 3/4	93,781
3	1,738	3	12,013	3	22,292	3	32,337	3	42,598	3	52,877	3	63,157	3	73,436	3	83,716	3	93,995
3 1/4	1,951	3 1/4	12,227	3 1/4	22,506	3 1/4	32,546	3 1/4	42,812	3 1/4	53,091	3 1/4	63,371	3 1/4	73,650	3 1/4	83,930	3 1/4	94,209
3 1/2	2,164	3 1/2	12,441	3 1/2	22,720	3 1/2	32,756	3 1/2	43,026	3 1/2	53,306	3 1/2	63,585	3 1/2	73,865	3 1/2	84,144	3 1/2	94,424
3 3/4	2,378	3 3/4	12,655	3 3/4	22,934	3 3/4	32,965	3 3/4	43,240	3 3/4	53,520	3 3/4	63,799	3 3/4	74,079	3 3/4	84,358	3 3/4	94,638
4	2,591	4	12,869	4	23,149	4	33,175	4	43,454	4	53,734	4	64,013	4	74,293	4	84,572	4	94,852
4 1/4	2,805	4 1/4	13,084	4 1/4	23,363	4 1/4	33,389	4 1/4	43,669	4 1/4	53,948	4 1/4	64,228	4 1/4	74,507	4 1/4	84,787	4 1/4	95,066
4 1/2	3,019	4 1/2	13,298	4 1/2	23,577	4 1/2	33,603	4 1/2	43,883	4 1/2	54,162	4 1/2	64,442	4 1/2	74,721	4 1/2	85,001	4 1/2	95,280
4 3/4	3,233	4 3/4	13,512	4 3/4	23,791	4 3/4	33,817	4 3/4	44,097	4 3/4	54,376	4 3/4	64,656	4 3/4	74,935	4 3/4	85,215	4 3/4	95,494
5	3,447	5	13,726	5	24,005	5	34,031	5	44,311	5	54,591	5	64,870	5	75,150	5	85,429	5	95,709
5 1/4	3,661	5 1/4	13,940	5 1/4	24,219	5 1/4	34,246	5 1/4	44,525	5 1/4	54,805	5 1/4	65,084	5 1/4	75,354	5 1/4	85,643	5 1/4	95,923
5 1/2	3,875	5 1/2	14,154	5 1/2	24,430	5 1/2	34,460	5 1/2	44,739	5 1/2	55,019	5 1/2	65,298	5 1/2	75,578	5 1/2	85,857	5 1/2	96,137
5 3/4	4,089	5 3/4	14,368	5 3/4	24,643	5 3/4	34,674	5 3/4	44,953	5 3/4	55,233	5 3/4	65,512	5 3/4	75,792	5 3/4	86,072	5 3/4	96,351
6	4,304	6	14,583	6	24,855	6	34,888	6	45,168	6	55,447	6	65,727	6	76,006	6	86,286	6	96,565
6 1/4	4,518	6 1/4	14,797	6 1/4	25,063	6 1/4	35,102	6 1/4	45,382	6 1/4	55,661	6 1/4	65,941	6 1/4	76,220	6 1/4	86,500	6 1/4	96,779
6 1/2	4,732	6 1/2	15,011	6 1/2	25,270	6 1/2	35,316	6 1/2	45,596	6 1/2	55,875	6 1/2	66,155	6 1/2	76,434	6 1/2	86,714	6 1/2	96,994
6 3/4	4,946	6 3/4	15,225	6 3/4	25,478	6 3/4	35,531	6 3/4	45,810	6 3/4	56,090	6 3/4	66,369	6 3/4	76,649	6 3/4	86,928	6 3/4	97,208
7	5,160	7	15,439	7	25,686	7	35,745	7	46,024	7	56,304	7	66,583	7	76,863	7	87,142	7	97,422
7 1/4	5,374	7 1/4	15,653	7 1/4	25,893	7 1/4	35,959	7 1/4	46,238	7 1/4	56,518	7 1/4	66,797	7 1/4	77,077	7 1/4	87,356	7 1/4	97,636
7 1/2	5,588	7 1/2	15,868	7 1/2	26,101	7 1/2	36,173	7 1/2	46,453	7 1/2	56,732	7 1/2	67,012	7 1/2	77,291	7 1/2	87,571	7 1/2	97,850
7 3/4	5,803	7 3/4	16,082	7 3/4	26,309	7 3/4	36,387	7 3/4	46,667	7 3/4	56,946	7 3/4	67,226	7 3/4	77,505	7 3/4	87,785	7 3/4	98,064
8	6,017	8	16,296	8	26,516	8	36,601	8	46,881	8	57,160	8	67,440	8	77,719	8	87,999	8	98,278
8 1/4	6,231	8 1/4	16,510	8 1/4	26,724	8 1/4	36,815	8 1/4	47,095	8 1/4	57,375	8 1/4	67,654	8 1/4	77,934	8 1/4	88,213	8 1/4	98,493
8 1/2	6,445	8 1/2	16,724	8 1/2	26,932	8 1/2	37,030	8 1/2	47,309	8 1/2	57,589	8 1/2	67,868	8 1/2	78,148	8 1/2	88,427	8 1/2	98,707
8 3/4	6,659	8 3/4	16,938	8 3/4	27,140	8 3/4	37,244	8 3/4	47,523	8 3/4	57,803	8 3/4	68,082	8 3/4	78,362	8 3/4	88,641	8 3/4	98,921
9	6,873	9	17,152	9	27,348	9	37,458	9	47,737	9	58,017	9	68,297	9	78,576	9	88,856	9	99,135
9 1/4	7,087	9 1/4	17,366	9 1/4	27,556	9 1/4	37,672	9 1/4	47,952	9 1/4	58,231	9 1/4	68,511	9 1/4	78,790	9 1/4	89,070	9 1/4	99,349
9 1/2	7,302	9 1/2	17,581	9 1/2	27,764	9 1/2	37,886	9 1/2	48,166	9 1/2	58,445	9 1/2	68,725	9 1/2	79,004	9 1/2	89,284	9 1/2	99,563
9 3/4	7,516	9 3/4	17,795	9 3/4	27,972	9 3/4	38,100	9 3/4	48,380	9 3/4	58,659	9 3/4	68,939	9 3/4	79,219	9 3/4	89,498	9 3/4	99,778
10	7,730	10	18,009	10	28,179	10	38,315	10	48,594	10	58,874	10	69,153	10	79,433	10	89,712	10	99,992
10 1/4	7,944	10 1/4	18,223	10 1/4	28,387	10 1/4	38,529	10 1/4	48,808	10 1/4	59,088	10 1/4	69,367	10 1/4	79,647	10 1/4	89,926	10 1/4	100,206
10 1/2	8,158	10 1/2	18,437	10 1/2	28,595	10 1/2	38,743	10 1/2	49,022	10 1/2	59,302	10 1/2	69,581	10 1/2	79,861	10 1/2	90,141	10 1/2	100,420
10 3/4	8,372	10 3/4	18,651	10 3/4	28,803	10 3/4	38,957	10 3/4	49,237	10 3/4	59,516	10 3/4	69,796	10 3/4	80,075	10 3/4	90,355	10 3/4	100,634
11	8,586	11	18,866	11	29,011	11	39,171	11	49,451	11	59,730	11	70,010	11	80,289	11	90,569	11	100,848
11 1/4	8,801	11 1/4	19,080	11 1/4	29,219	11 1/4	39,385	11 1/4	49,665	11 1/4	59,944	11 1/4	70,224	11 1/4	80,503	11 1/4	90,783	11 1/4	101,063
11 1/2	9,015	11 1/2	19,294	11 1/2	29,427	11 1/2	39,600	11 1/2	49,879	11 1/2	60,159	11 1/2	70,438	11 1/2	80,718	11 1/2	90,997	11 1/2	101,277
11 3/4	9,229	11 3/4	19,508	11 3/4	29,634	11 3/4	39,814	11 3/4	50,093	11 3/4	60,373	11 3/4	70,652	11 3/4	80,932	11 3/4	91,211	11 3/4	101,491

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 23'-06" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77568
http://www.pmacorp.net



BARGE "IB 1301"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-03 1/4"

	10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	101,705	0	111,984	0	122,264	0	132,544	0	142,823	0	152,985	0								
1/4	101,919	1/4	112,199	1/4	122,478	1/4	132,758	1/4	143,037	1/4	153,110	1/4								
1/2	102,133	1/2	112,413	1/2	122,692	1/2	132,972	1/2	143,251	1/2	153,235	1/2								
3/4	102,347	3/4	112,627	3/4	122,906	3/4	133,186	3/4	143,466	3/4	153,360	3/4								
1	102,562	1	112,841	1	123,121	1	133,400	1	143,680	1	153,485	1								
1/4	102,776	1/4	113,055	1/4	123,335	1/4	133,614	1/4	143,894	1/4	153,543	1/4								
1/2	102,990	1/2	113,269	1/2	123,549	1/2	133,828	1/2	144,108	1/2	153,601	1/2								
3/4	103,204	3/4	113,484	3/4	123,763	3/4	134,043	3/4	144,322	3/4	153,659	3/4								
2	103,418	2	113,698	2	123,977	2	134,257	2	144,536	2	153,717	2								
1/4	103,632	1/4	113,912	1/4	124,191	1/4	134,471	1/4	144,750	1/4	153,735	1/4								
1/2	103,847	1/2	114,126	1/2	124,406	1/2	134,685	1/2	144,965	1/2										
3/4	104,061	3/4	114,340	3/4	124,620	3/4	134,899	3/4	145,179	3/4										
3	104,275	3	114,554	3	124,834	3	135,113	3	145,393	3										
1/4	104,489	1/4	114,769	1/4	125,048	1/4	135,328	1/4	145,607	1/4										
1/2	104,703	1/2	114,983	1/2	125,262	1/2	135,542	1/2	145,821	1/2										
3/4	104,917	3/4	115,197	3/4	125,476	3/4	135,756	3/4	146,035	3/4										
4	105,131	4	115,411	4	125,691	4	135,970	4	146,250	4										
1/4	105,346	1/4	115,625	1/4	125,905	1/4	136,184	1/4	146,464	1/4										
1/2	105,560	1/2	115,839	1/2	126,119	1/2	136,398	1/2	146,678	1/2										
3/4	105,774	3/4	116,053	3/4	126,333	3/4	136,613	3/4	146,892	3/4										
5	105,988	5	116,268	5	126,547	5	136,827	5	147,106	5										
1/4	106,202	1/4	116,482	1/4	126,761	1/4	137,041	1/4	147,320	1/4										
1/2	106,416	1/2	116,696	1/2	126,975	1/2	137,255	1/2	147,535	1/2										
3/4	106,631	3/4	116,910	3/4	127,190	3/4	137,469	3/4	147,749	3/4										
6	106,845	6	117,124	6	127,404	6	137,683	6	147,963	6										
1/4	107,059	1/4	117,338	1/4	127,618	1/4	137,897	1/4	148,177	1/4										
1/2	107,273	1/2	117,553	1/2	127,832	1/2	138,112	1/2	148,391	1/2										
3/4	107,487	3/4	117,767	3/4	128,046	3/4	138,326	3/4	148,605	3/4										
7	107,701	7	117,981	7	128,260	7	138,540	7	148,819	7										
1/4	107,916	1/4	118,195	1/4	128,475	1/4	138,754	1/4	149,034	1/4										
1/2	108,130	1/2	118,409	1/2	128,689	1/2	138,968	1/2	149,248	1/2										
3/4	108,344	3/4	118,623	3/4	128,903	3/4	139,182	3/4	149,462	3/4										
8	108,558	8	118,838	8	129,117	8	139,397	8	149,676	8										
1/4	108,772	1/4	119,052	1/4	129,331	1/4	139,611	1/4	149,890	1/4										
1/2	108,986	1/2	119,266	1/2	129,545	1/2	139,825	1/2	150,104	1/2										
3/4	109,200	3/4	119,480	3/4	129,760	3/4	140,039	3/4	150,318	3/4										
9	109,415	9	119,694	9	129,974	9	140,253	9	150,532	9										
1/4	109,629	1/4	119,908	1/4	130,188	1/4	140,467	1/4	150,746	1/4										
1/2	109,843	1/2	120,122	1/2	130,402	1/2	140,681	1/2	150,960	1/2										
3/4	110,057	3/4	120,337	3/4	130,616	3/4	140,896	3/4	151,174	3/4										
10	110,271	10	120,551	10	130,830	10	141,110	10	151,387	10										
1/4	110,485	1/4	120,765	1/4	131,044	1/4	141,324	1/4	151,598	1/4										
1/2	110,700	1/2	120,979	1/2	131,259	1/2	141,538	1/2	151,809	1/2										
3/4	110,914	3/4	121,193	3/4	131,473	3/4	141,752	3/4	152,020	3/4										
11	111,128	11	121,407	11	131,687	11	141,966	11	152,231	11										
1/4	111,342	1/4	121,622	1/4	131,901	1/4	142,181	1/4	152,449	1/4										
1/2	111,556	1/2	121,836	1/2	132,115	1/2	142,395	1/2	152,608	1/2										
3/4	111,770	3/4	122,050	3/4	132,329	3/4	142,609	3/4	152,797	3/4										

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/09/2019 JS
 CALCULATED: 08/10/2019 CL
 PRINTED: 08/11/2019 CL
 CANCEL S AND SUPERCEDES
 ALL PRIOR TO 08/2019

PRECISION MEASUREMENT
 & ANALYSIS, INC.

Pearland, Texas 77588
 P.O. Box 2092
<http://www.pma.com>



BARGE "IB 1301"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-02"

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	74	0	9,523	0	19,889	0	30,221	0	40,585	0	50,951	0	61,317	0	71,684	0	82,050	0	92,417
1/4	139	1/4	9,739	1/4	20,105	1/4	30,446	1/4	40,800	1/4	51,167	1/4	61,533	1/4	71,900	1/4	82,266	1/4	92,633
1/2	204	1/2	9,955	1/2	20,321	1/2	30,660	1/2	41,016	1/2	51,383	1/2	61,749	1/2	72,116	1/2	82,482	1/2	92,849
3/4	268	3/4	10,171	3/4	20,537	3/4	30,878	3/4	41,232	3/4	51,589	3/4	61,945	3/4	72,302	3/4	82,659	3/4	93,016
1	333	1	10,386	1	20,752	1	31,090	1	41,448	1	51,815	1	62,181	1	72,548	1	82,914	1	93,280
1/4	481	1/4	10,602	1/4	20,968	1/4	31,306	1/4	41,664	1/4	52,031	1/4	62,397	1/4	72,764	1/4	83,130	1/4	93,496
1/2	629	1/2	10,818	1/2	21,184	1/2	31,521	1/2	41,880	1/2	52,247	1/2	62,613	1/2	72,980	1/2	83,346	1/2	93,712
3/4	778	3/4	11,034	3/4	21,400	3/4	31,736	3/4	42,096	3/4	52,463	3/4	62,829	3/4	73,196	3/4	83,562	3/4	93,928
2	926	2	11,250	2	21,616	2	31,951	2	42,312	2	52,679	2	63,045	2	73,412	2	83,778	2	94,144
1/4	1,132	1/4	11,466	1/4	21,832	1/4	32,166	1/4	42,528	1/4	52,895	1/4	63,261	1/4	73,627	1/4	83,994	1/4	94,360
1/2	1,339	1/2	11,682	1/2	22,048	1/2	32,381	1/2	42,744	1/2	53,111	1/2	63,477	1/2	73,843	1/2	84,210	1/2	94,576
3/4	1,546	3/4	11,898	3/4	22,264	3/4	32,597	3/4	42,960	3/4	53,327	3/4	63,693	3/4	74,059	3/4	84,426	3/4	94,792
3	1,752	3	12,114	3	22,480	3	32,812	3	43,176	3	53,543	3	63,909	3	74,275	3	84,642	3	95,008
1/4	1,967	1/4	12,330	1/4	22,696	1/4	33,027	1/4	43,392	1/4	53,759	1/4	64,125	1/4	74,491	1/4	84,858	1/4	95,224
1/2	2,183	1/2	12,546	1/2	22,912	1/2	33,243	1/2	43,608	1/2	53,974	1/2	64,341	1/2	74,707	1/2	85,074	1/2	95,440
3/4	2,398	3/4	12,762	3/4	23,128	3/4	33,458	3/4	43,824	3/4	54,190	3/4	64,557	3/4	74,923	3/4	85,290	3/4	95,656
4	2,613	4	12,978	4	23,344	4	33,674	4	44,040	4	54,406	4	64,773	4	75,139	4	85,506	4	95,872
1/4	2,829	1/4	13,194	1/4	23,560	1/4	33,890	1/4	44,256	1/4	54,622	1/4	64,989	1/4	75,355	1/4	85,722	1/4	96,088
1/2	3,044	1/2	13,410	1/2	23,776	1/2	34,106	1/2	44,472	1/2	54,838	1/2	65,205	1/2	75,571	1/2	85,938	1/2	96,304
3/4	3,260	3/4	13,626	3/4	23,992	3/4	34,321	3/4	44,688	3/4	55,054	3/4	65,421	3/4	75,787	3/4	86,154	3/4	96,520
5	3,476	5	13,842	5	24,208	5	34,537	5	44,904	5	55,270	5	65,637	5	76,003	5	86,370	5	96,736
1/4	3,692	1/4	14,058	1/4	24,424	1/4	34,753	1/4	45,120	1/4	55,486	1/4	65,853	1/4	76,219	1/4	86,586	1/4	97,002
1/2	3,908	1/2	14,274	1/2	24,639	1/2	34,969	1/2	45,336	1/2	55,702	1/2	66,069	1/2	76,435	1/2	86,801	1/2	97,168
3/4	4,124	3/4	14,490	3/4	24,855	3/4	35,185	3/4	45,552	3/4	55,918	3/4	66,285	3/4	76,651	3/4	87,017	3/4	97,334
6	4,340	6	14,706	6	25,071	6	35,401	6	45,768	6	56,134	6	66,501	6	76,867	6	87,233	6	97,600
1/4	4,556	1/4	14,922	1/4	25,286	1/4	35,617	1/4	45,984	1/4	56,350	1/4	66,717	1/4	77,083	1/4	87,449	1/4	97,816
1/2	4,772	1/2	15,138	1/2	25,501	1/2	35,833	1/2	46,200	1/2	56,566	1/2	66,933	1/2	77,299	1/2	87,665	1/2	98,032
3/4	4,988	3/4	15,354	3/4	25,716	3/4	36,049	3/4	46,416	3/4	56,782	3/4	67,148	3/4	77,515	3/4	87,881	3/4	98,248
7	5,203	7	15,559	7	25,931	7	36,265	7	46,632	7	56,998	7	67,364	7	77,731	7	88,097	7	98,464
1/4	5,419	1/4	15,765	1/4	26,146	1/4	36,481	1/4	46,848	1/4	57,214	1/4	67,580	1/4	77,947	1/4	88,313	1/4	98,680
1/2	5,635	1/2	16,001	1/2	26,361	1/2	36,697	1/2	47,064	1/2	57,430	1/2	67,796	1/2	78,163	1/2	88,529	1/2	98,896
3/4	5,851	3/4	16,217	3/4	26,576	3/4	36,913	3/4	47,279	3/4	57,646	3/4	68,012	3/4	78,379	3/4	88,745	3/4	99,112
8	6,067	8	16,433	8	26,791	8	37,129	8	47,495	8	57,862	8	68,228	8	78,595	8	88,961	8	99,328
1/4	6,283	1/4	16,649	1/4	27,006	1/4	37,345	1/4	47,711	1/4	58,078	1/4	68,444	1/4	78,811	1/4	89,177	1/4	99,544
1/2	6,499	1/2	16,865	1/2	27,221	1/2	37,561	1/2	47,927	1/2	58,294	1/2	68,660	1/2	79,027	1/2	89,393	1/2	99,760
3/4	6,715	3/4	17,081	3/4	27,436	3/4	37,777	3/4	48,143	3/4	58,510	3/4	68,876	3/4	79,243	3/4	89,609	3/4	99,975
9	6,931	9	17,297	9	27,651	9	37,993	9	48,359	9	58,726	9	69,092	9	79,459	9	89,825	9	100,191
1/4	7,147	1/4	17,513	1/4	27,866	1/4	38,209	1/4	48,575	1/4	58,942	1/4	69,308	1/4	79,675	1/4	90,041	1/4	100,407
1/2	7,363	1/2	17,729	1/2	28,081	1/2	38,425	1/2	48,791	1/2	59,158	1/2	69,524	1/2	79,891	1/2	90,257	1/2	100,623
3/4	7,579	3/4	17,945	3/4	28,296	3/4	38,641	3/4	49,007	3/4	59,374	3/4	69,740	3/4	80,106	3/4	90,473	3/4	100,839
10	7,795	10	18,161	10	28,511	10	38,857	10	49,223	10	59,580	10	69,956	10	80,322	10	90,689	10	101,055
1/4	8,011	1/4	18,377	1/4	28,726	1/4	39,073	1/4	49,439	1/4	59,806	1/4	70,172	1/4	80,538	1/4	90,905	1/4	101,271
1/2	8,227	1/2	18,593	1/2	28,941	1/2	39,289	1/2	49,655	1/2	60,022	1/2	70,388	1/2	80,754	1/2	91,121	1/2	101,487
3/4	8,443	3/4	18,809	3/4	29,156	3/4	39,505	3/4	49,871	3/4	60,238	3/4	70,604	3/4	80,970	3/4	91,337	3/4	101,703
11	8,659	11	19,025	11	29,371	11	39,721	11	50,087	11	60,453	11	70,820	11	81,186	11	91,553	11	101,919
1/4	8,875	1/4	19,241	1/4	29,586	1/4	39,937	1/4	50,303	1/4	60,669	1/4	71,036	1/4	81,402	1/4	91,769	1/4	102,135
1/2	9,091	1/2	19,457	1/2	29,801	1/2	40,153	1/2	50,519	1/2	60,885	1/2	71,252	1/2	81,618	1/2	91,985	1/2	102,351
3/4	9,307	3/4	19,673	3/4	30,016	3/4	40,369	3/4	50,735	3/4	61,101	3/4	71,466	3/4	81,834	3/4	92,201	3/4	102,567

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH NFPA 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 1301"

3 CENTER
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-02"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	102,783	0	113,149	0	123,516	0	133,882	0	144,249	0	154,617	0	164,984	0	175,351	0	185,718	0	196,085
1/4	102,999	1/4	113,365	1/4	123,732	1/4	134,098	1/4	144,465	1/4	154,832	1/4	165,199	1/4	175,566	1/4	185,933	1/4	196,300
1/2	103,215	1/2	113,581	1/2	123,948	1/2	134,314	1/2	144,681	1/2	155,048	1/2	165,415	1/2	175,782	1/2	186,149	1/2	196,516
3/4	103,431	3/4	113,797	3/4	124,164	3/4	134,530	3/4	144,897	3/4	155,264	3/4	165,631	3/4	175,998	3/4	186,365	3/4	196,732
1	103,647	1	114,013	1	124,380	1	134,746	1	145,113	1	155,480	1	165,847	1	176,214	1	186,581	1	196,948
1/4	103,863	1/4	114,229	1/4	124,596	1/4	134,962	1/4	145,329	1/4	155,696	1/4	166,063	1/4	176,430	1/4	186,797	1/4	197,164
1/2	104,079	1/2	114,445	1/2	124,812	1/2	135,178	1/2	145,545	1/2	155,912	1/2	166,279	1/2	176,646	1/2	187,013	1/2	197,380
3/4	104,295	3/4	114,661	3/4	125,028	3/4	135,394	3/4	145,761	3/4	156,128	3/4	166,495	3/4	176,862	3/4	187,229	3/4	197,596
2	104,511	2	114,877	2	125,244	2	135,610	2	145,977	2	156,344	2	166,711	2	177,078	2	187,445	2	197,812
1/4	104,727	1/4	115,093	1/4	125,460	1/4	135,826	1/4	146,192	1/4	156,559	1/4	166,926	1/4	177,293	1/4	187,660	1/4	198,027
1/2	104,943	1/2	115,309	1/2	125,676	1/2	136,042	1/2	146,408	1/2	156,775	1/2	167,142	1/2	177,509	1/2	187,876	1/2	198,243
3/4	105,159	3/4	115,525	3/4	125,892	3/4	136,258	3/4	146,624	3/4	156,991	3/4	167,358	3/4	177,725	3/4	188,092	3/4	198,459
3	105,375	3	115,741	3	126,107	3	136,474	3	146,840	3	157,207	3	167,574	3	177,941	3	188,308	3	198,675
1/4	105,591	1/4	115,957	1/4	126,323	1/4	136,690	1/4	147,056	1/4	157,423	1/4	167,790	1/4	178,157	1/4	188,524	1/4	198,891
1/2	105,807	1/2	116,173	1/2	126,539	1/2	136,906	1/2	147,272	1/2	157,639	1/2	168,006	1/2	178,373	1/2	188,740	1/2	199,107
3/4	106,023	3/4	116,389	3/4	126,755	3/4	137,122	3/4	147,488	3/4	157,855	3/4	168,222	3/4	178,589	3/4	188,956	3/4	199,323
4	106,239	4	116,605	4	126,971	4	137,338	4	147,704	4	158,071	4	168,438	4	178,805	4	189,172	4	199,539
1/4	106,454	1/4	116,821	1/4	127,187	1/4	137,554	1/4	147,920	1/4	158,287	1/4	168,654	1/4	179,021	1/4	189,388	1/4	199,755
1/2	106,670	1/2	117,037	1/2	127,403	1/2	137,770	1/2	148,136	1/2	158,503	1/2	168,870	1/2	179,237	1/2	189,604	1/2	200,071
3/4	106,886	3/4	117,253	3/4	127,619	3/4	137,986	3/4	148,352	3/4	158,719	3/4	169,086	3/4	179,453	3/4	189,820	3/4	200,287
5	107,102	5	117,469	5	127,835	5	138,202	5	148,568	5	158,935	5	169,302	5	179,669	5	190,036	5	200,403
1/4	107,318	1/4	117,685	1/4	128,051	1/4	138,418	1/4	148,784	1/4	159,151	1/4	169,518	1/4	179,885	1/4	190,252	1/4	200,619
1/2	107,534	1/2	117,901	1/2	128,267	1/2	138,634	1/2	149,000	1/2	159,367	1/2	169,734	1/2	180,101	1/2	190,468	1/2	200,835
3/4	107,750	3/4	118,117	3/4	128,483	3/4	138,850	3/4	149,216	3/4	159,583	3/4	169,950	3/4	180,317	3/4	190,684	3/4	201,051
6	107,966	6	118,333	6	128,699	6	139,066	6	149,432	6	159,799	6	170,166	6	180,533	6	190,900	6	201,267
1/4	108,182	1/4	118,549	1/4	128,915	1/4	139,281	1/4	149,648	1/4	160,015	1/4	170,382	1/4	180,749	1/4	191,116	1/4	201,483
1/2	108,398	1/2	118,765	1/2	129,131	1/2	139,497	1/2	149,864	1/2	160,233	1/2	170,600	1/2	180,967	1/2	191,334	1/2	201,701
3/4	108,614	3/4	118,981	3/4	129,347	3/4	139,713	3/4	150,080	3/4	160,447	3/4	170,814	3/4	181,181	3/4	191,548	3/4	201,915
7	108,830	7	119,197	7	129,563	7	139,929	7	150,296	7	160,663	7	171,030	7	181,397	7	191,764	7	202,131
1/4	109,046	1/4	119,413	1/4	129,779	1/4	140,145	1/4	150,512	1/4	160,879	1/4	171,246	1/4	181,613	1/4	191,980	1/4	202,347
1/2	109,262	1/2	119,628	1/2	129,995	1/2	140,361	1/2	150,728	1/2	161,095	1/2	171,462	1/2	181,829	1/2	192,196	1/2	202,563
3/4	109,478	3/4	119,844	3/4	130,211	3/4	140,577	3/4	150,944	3/4	161,311	3/4	171,678	3/4	182,045	3/4	192,412	3/4	202,779
8	109,694	8	120,060	8	130,427	8	140,793	8	151,160	8	161,527	8	171,894	8	182,261	8	192,628	8	202,995
1/4	109,910	1/4	120,276	1/4	130,643	1/4	141,009	1/4	151,376	1/4	161,743	1/4	172,110	1/4	182,477	1/4	192,844	1/4	203,211
1/2	110,126	1/2	120,492	1/2	130,859	1/2	141,225	1/2	151,591	1/2	161,958	1/2	172,325	1/2	182,692	1/2	193,059	1/2	203,426
3/4	110,342	3/4	120,708	3/4	131,075	3/4	141,441	3/4	151,807	3/4	162,174	3/4	172,541	3/4	182,908	3/4	193,275	3/4	203,642
9	110,558	9	120,924	9	131,291	9	141,657	9	152,023	9	162,390	9	172,757	9	183,124	9	193,491	9	203,859
1/4	110,774	1/4	121,140	1/4	131,507	1/4	141,873	1/4	152,239	1/4	162,606	1/4	172,973	1/4	183,340	1/4	193,707	1/4	204,076
1/2	110,990	1/2	121,356	1/2	131,723	1/2	142,089	1/2	152,454	1/2	162,821	1/2	173,188	1/2	183,555	1/2	193,922	1/2	204,292
3/4	111,206	3/4	121,572	3/4	131,939	3/4	142,305	3/4	152,670	3/4	163,037	3/4	173,404	3/4	183,771	3/4	194,138	3/4	204,508
10	111,422	10	121,788	10	132,155	10	142,521	10	152,885	10	163,253	10	173,619	10	183,986	10	194,354	10	204,724
1/4	111,638	1/4	122,004	1/4	132,371	1/4	142,737	1/4	153,098	1/4	163,465	1/4	173,831	1/4	184,198	1/4	194,565	1/4	204,934
1/2	111,854	1/2	122,220	1/2	132,587	1/2	142,953	1/2	153,311	1/2	163,623	1/2	173,989	1/2	184,355	1/2	194,721	1/2	205,090
3/4	112,070	3/4	122,436	3/4	132,802	3/4	143,169	3/4	153,523	3/4	163,877	3/4	174,245	3/4	184,611	3/4	194,977	3/4	205,306
11	112,286	11	122,652	11	133,018	11	143,385	11	153,736	11	164,100	11	174,467	11	184,833	11	195,200	11	205,522
1/4	112,502	1/4	122,868	1/4	133,234	1/4	143,601	1/4	153,926	1/4	164,282	1/4	174,649	1/4	185,022	1/4	195,390	1/4	205,738
1/2	112,718	1/2	123,084	1/2	133,450	1/2	143,817	1/2	154,116	1/2	164,498	1/2	174,865	1/2	185,139	1/2	195,507	1/2	205,954
3/4	112,933	3/4	123,300	3/4	133,666	3/4	144,033	3/4	154,307	3/4	164,664	3/4	175,031	3/4	185,304	3/4	195,673	3/4	206,170

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/09/2019 JS
CALCULATED: 08/10/2019 CL
PRINTED: 08/11/2019 CL
CANCELS AND SUPPERCEDES
ALL PRIOR TO 08/20/19

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