



BARGE "IB 1309"

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	00-1/4	- 00-1/4	00-1/2	- 00-1/2	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	01-1/8	- 01-1/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 2 CENTER IS - 00-1/2"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 2 CENTER, THE TRIM CORRECTED INNAGE IS 3'-11 1/2"

LENGTH BETWEEN DRAFT MARKS: 163'-03"

September 10, 2019

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

<http://www.pmacorp.net>



BARGE "IB 1309"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	230	0	11,114	0	23,045	0	34,763	0	46,645	0	58,454	0	70,363	0	82,234	0	94,148	0	106,062
1/4	306	1/4	11,363	1/4	23,293	1/4	35,003	1/4	46,793	1/4	58,702	1/4	70,611	1/4	82,482	1/4	94,396	1/4	106,310
1/2	380	1/2	11,611	1/2	23,541	1/2	35,242	1/2	47,041	1/2	58,950	1/2	70,859	1/2	82,730	1/2	94,644	1/2	106,558
3/4	454	3/4	11,860	3/4	23,790	3/4	35,482	3/4	47,289	3/4	59,198	3/4	71,107	3/4	82,979	3/4	94,892	3/4	106,806
1	529	1	12,109	1	24,038	1	35,722	1	47,537	1	59,446	1	71,355	1	83,227	1	95,141	1	107,054
1/4	700	1/4	12,358	1/4	24,286	1/4	35,961	1/4	47,786	1/4	59,695	1/4	71,603	1/4	83,475	1/4	95,389	1/4	107,303
1/2	870	1/2	12,606	1/2	24,535	1/2	36,201	1/2	48,034	1/2	59,943	1/2	71,851	1/2	83,723	1/2	95,637	1/2	107,551
3/4	1,041	3/4	12,855	3/4	24,783	3/4	36,440	3/4	48,282	3/4	60,191	3/4	72,099	3/4	83,971	3/4	95,885	3/4	107,799
1	1,212	1	13,104	1	25,031	1	36,680	1	48,530	1	60,439	1	72,347	1	84,220	1	96,133	1	108,047
1/4	1,450	1/4	13,353	1/4	25,279	1/4	36,920	1/4	48,778	1/4	60,687	1/4	72,594	1/4	84,468	1/4	96,382	1/4	108,295
1/2	1,688	1/2	13,601	1/2	25,528	1/2	37,159	1/2	49,026	1/2	60,935	1/2	72,841	1/2	84,716	1/2	96,630	1/2	108,544
3/4	1,926	3/4	13,850	3/4	25,776	3/4	37,399	3/4	49,274	3/4	61,183	3/4	73,088	3/4	84,964	3/4	96,878	3/4	108,792
1	2,164	1	14,099	1	26,024	1	37,639	1	49,522	1	61,431	1	73,336	1	85,212	1	97,126	1	109,040
1/4	2,411	1/4	14,348	1/4	26,272	1/4	37,880	1/4	49,770	1/4	61,679	1/4	73,583	1/4	85,461	1/4	97,374	1/4	109,288
1/2	2,659	1/2	14,596	1/2	26,521	1/2	38,122	1/2	50,018	1/2	61,928	1/2	73,830	1/2	85,709	1/2	97,623	1/2	109,536
3/4	2,907	3/4	14,845	3/4	26,769	3/4	38,364	3/4	50,267	3/4	62,176	3/4	74,077	3/4	85,957	3/4	97,871	3/4	109,785
1	3,155	1	15,094	1	27,017	1	38,606	1	50,515	1	62,424	1	74,324	1	86,205	1	98,119	1	110,033
1/4	3,403	1/4	15,342	1/4	27,265	1/4	38,854	1/4	50,763	1/4	62,672	1/4	74,571	1/4	86,453	1/4	98,367	1/4	110,281
1/2	3,652	1/2	15,591	1/2	27,514	1/2	39,102	1/2	51,011	1/2	62,920	1/2	74,818	1/2	86,702	1/2	98,615	1/2	110,529
3/4	3,900	3/4	15,840	3/4	27,762	3/4	39,350	3/4	51,259	3/4	63,168	3/4	75,066	3/4	86,950	3/4	98,864	3/4	110,777
1	4,149	1	16,088	1	28,010	1	39,598	1	51,507	1	63,416	1	75,313	1	87,198	1	99,112	1	111,026
1/4	4,398	1/4	16,337	1/4	28,257	1/4	39,846	1/4	51,755	1/4	63,664	1/4	75,560	1/4	87,446	1/4	99,360	1/4	111,274
1/2	4,646	1/2	16,586	1/2	28,503	1/2	40,094	1/2	52,003	1/2	63,912	1/2	75,807	1/2	87,694	1/2	99,608	1/2	111,522
3/4	4,895	3/4	16,835	3/4	28,751	3/4	40,342	3/4	52,251	3/4	64,160	3/4	76,054	3/4	87,943	3/4	99,856	3/4	111,770
1	5,144	1	17,083	1	28,997	1	40,590	1	52,500	1	64,409	1	76,301	1	88,191	1	100,105	1	112,018
1/4	5,393	1/4	17,332	1/4	29,238	1/4	40,839	1/4	52,748	1/4	64,657	1/4	76,548	1/4	88,439	1/4	100,353	1/4	112,267
1/2	5,641	1/2	17,581	1/2	29,480	1/2	41,087	1/2	52,996	1/2	64,905	1/2	76,796	1/2	88,687	1/2	100,601	1/2	112,515
3/4	5,890	3/4	17,830	3/4	29,722	3/4	41,335	3/4	53,244	3/4	65,153	3/4	77,043	3/4	88,935	3/4	100,849	3/4	112,763
1	6,139	1	18,078	1	29,964	1	41,583	1	53,492	1	65,401	1	77,290	1	89,184	1	101,097	1	113,011
1/4	6,388	1/4	18,327	1/4	30,205	1/4	41,831	1/4	53,740	1/4	65,649	1/4	77,537	1/4	89,432	1/4	101,346	1/4	113,259
1/2	6,637	1/2	18,576	1/2	30,446	1/2	42,079	1/2	53,988	1/2	65,897	1/2	77,784	1/2	89,680	1/2	101,594	1/2	113,508
3/4	6,885	3/4	18,824	3/4	30,688	3/4	42,327	3/4	54,236	3/4	66,145	3/4	78,031	3/4	89,928	3/4	101,842	3/4	113,756
1	7,134	1	19,073	1	30,929	1	42,575	1	54,484	1	66,393	1	78,279	1	90,176	1	102,090	1	114,004
1/4	7,383	1/4	19,321	1/4	31,168	1/4	42,823	1/4	54,732	1/4	66,642	1/4	78,526	1/4	90,425	1/4	102,338	1/4	114,252
1/2	7,631	1/2	19,569	1/2	31,408	1/2	43,072	1/2	54,981	1/2	66,890	1/2	78,773	1/2	90,673	1/2	102,587	1/2	114,500
3/4	7,880	3/4	19,818	3/4	31,648	3/4	43,320	3/4	55,229	3/4	67,138	3/4	79,020	3/4	90,921	3/4	102,835	3/4	114,749
1	8,129	1	20,066	1	31,887	1	43,568	1	55,477	1	67,386	1	79,267	1	91,169	1	103,083	1	114,997
1/4	8,378	1/4	20,314	1/4	32,127	1/4	43,816	1/4	55,725	1/4	67,634	1/4	79,514	1/4	91,418	1/4	103,331	1/4	115,246
1/2	8,626	1/2	20,562	1/2	32,367	1/2	44,064	1/2	55,973	1/2	67,882	1/2	79,761	1/2	91,666	1/2	103,579	1/2	115,493
3/4	8,875	3/4	20,811	3/4	32,606	3/4	44,312	3/4	56,221	3/4	68,130	3/4	80,009	3/4	91,914	3/4	103,828	3/4	115,741
1	9,124	1	21,059	1	32,846	1	44,560	1	56,469	1	68,378	1	80,256	1	92,162	1	104,076	1	115,989
1/4	9,373	1/4	21,307	1/4	33,085	1/4	44,808	1/4	56,717	1/4	68,626	1/4	80,503	1/4	92,410	1/4	104,324	1/4	116,237
1/2	9,621	1/2	21,555	1/2	33,325	1/2	45,056	1/2	56,965	1/2	68,874	1/2	80,750	1/2	92,659	1/2	104,572	1/2	116,486
3/4	9,870	3/4	21,804	3/4	33,565	3/4	45,304	3/4	57,214	3/4	69,123	3/4	80,997	3/4	92,907	3/4	104,821	3/4	116,733
1	10,119	1	22,052	1	33,804	1	45,553	1	57,462	1	69,371	1	81,244	1	93,155	1	105,069	1	116,981
1/4	10,368	1/4	22,300	1/4	34,044	1/4	45,801	1/4	57,710	1/4	69,619	1/4	81,492	1/4	93,403	1/4	105,317	1/4	117,229
1/2	10,616	1/2	22,548	1/2	34,284	1/2	46,049	1/2	57,958	1/2	69,867	1/2	81,739	1/2	93,651	1/2	105,565	1/2	117,476
3/4	10,865	3/4	22,797	3/4	34,523	3/4	46,297	3/4	58,206	3/4	70,115	3/4	81,987	3/4	93,900	3/4	105,813	3/4	117,724

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 27.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

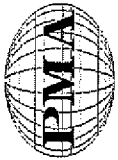
CAPACITY TABLE ONLY APPLIES TO EXTREME HEIGHT OF TANK.

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.

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Pasadena, Texas 77588
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BARGE "IB 1309"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

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	117,972	0	123,060	0	139,240	0	149,431	0	159,621	0	169,784	0	179,930	0	189,990	0	199,990	0	199,990
1/4	118,220	1/4	123,323	1/4	139,502	1/4	149,693	1/4	159,883	1/4	169,930	1/4	179,975	1/4	189,975	1/4	199,975	1/4	199,975
1/2	118,468	1/2	123,474	1/2	139,655	1/2	149,846	1/2	160,036	1/2	170,075	1/2	180,115	1/2	190,115	1/2	199,975	1/2	199,975
3/4	118,716	3/4	123,687	3/4	139,877	3/4	150,067	3/4	160,258	3/4	170,220	3/4	180,258	3/4	190,258	3/4	199,975	3/4	199,975
1	118,964	1	123,899	1	140,089	1	150,280	1	160,470	1	170,365	1	180,365	1	190,365	1	199,975	1	199,975
1/4	119,211	1/4	130,111	1/4	140,302	1/4	150,492	1/4	160,683	1/4	170,432	1/4	180,432	1/4	190,432	1/4	199,975	1/4	199,975
1/2	119,459	1/2	130,323	1/2	140,514	1/2	150,704	1/2	160,895	1/2	170,499	1/2	180,499	1/2	190,499	1/2	199,975	1/2	199,975
3/4	119,707	3/4	130,536	3/4	140,726	3/4	150,917	3/4	161,107	3/4	170,567	3/4	180,567	3/4	190,567	3/4	199,975	3/4	199,975
2	119,955	2	130,748	2	140,939	2	151,129	2	161,319	2	170,634	2	180,634	2	190,634	2	199,975	2	199,975
1/4	120,203	1/4	130,960	1/4	141,151	1/4	151,341	1/4	161,531	1/4	170,655	1/4	180,655	1/4	190,655	1/4	199,975	1/4	199,975
1/2	120,451	1/2	131,173	1/2	141,363	1/2	151,554	1/2	161,744	1/2	170,744	1/2	180,744	1/2	190,744	1/2	199,975	1/2	199,975
3/4	120,698	3/4	131,385	3/4	141,576	3/4	151,766	3/4	161,956	3/4	170,956	3/4	180,956	3/4	190,956	3/4	199,975	3/4	199,975
3	120,946	3	131,597	3	141,788	3	151,978	3	162,169	3	171,169	3	181,169	3	191,169	3	199,975	3	199,975
1/4	121,194	1/4	131,810	1/4	142,000	1/4	152,190	1/4	162,381	1/4	171,381	1/4	181,381	1/4	191,381	1/4	199,975	1/4	199,975
1/2	121,442	1/2	132,022	1/2	142,212	1/2	152,403	1/2	162,593	1/2	171,593	1/2	181,593	1/2	191,593	1/2	199,975	1/2	199,975
3/4	121,690	3/4	132,234	3/4	142,425	3/4	152,615	3/4	162,806	3/4	171,806	3/4	181,806	3/4	191,806	3/4	199,975	3/4	199,975
4	121,938	4	132,446	4	142,637	4	152,827	4	163,018	4	172,018	4	182,018	4	192,018	4	199,975	4	199,975
1/4	122,186	1/4	132,659	1/4	142,849	1/4	153,040	1/4	163,230	1/4	172,230	1/4	182,230	1/4	192,230	1/4	199,975	1/4	199,975
1/2	122,433	1/2	132,871	1/2	143,062	1/2	153,252	1/2	163,442	1/2	172,442	1/2	182,442	1/2	192,442	1/2	199,975	1/2	199,975
3/4	122,681	3/4	133,083	3/4	143,274	3/4	153,464	3/4	163,655	3/4	172,655	3/4	182,655	3/4	192,655	3/4	199,975	3/4	199,975
5	122,929	5	133,296	5	143,486	5	153,677	5	163,867	5	172,867	5	182,867	5	192,867	5	199,975	5	199,975
1/4	123,172	1/4	133,508	1/4	143,698	1/4	153,889	1/4	164,079	1/4	173,079	1/4	183,079	1/4	193,079	1/4	199,975	1/4	199,975
1/2	123,416	1/2	133,720	1/2	143,911	1/2	154,101	1/2	164,292	1/2	173,292	1/2	183,292	1/2	193,292	1/2	199,975	1/2	199,975
3/4	123,659	3/4	133,933	3/4	144,123	3/4	154,313	3/4	164,504	3/4	173,504	3/4	183,504	3/4	193,504	3/4	199,975	3/4	199,975
6	123,902	6	134,145	6	144,335	6	154,526	6	164,716	6	173,716	6	183,716	6	193,716	6	199,975	6	199,975
1/4	124,128	1/4	134,357	1/4	144,548	1/4	154,738	1/4	164,929	1/4	173,929	1/4	183,929	1/4	193,929	1/4	199,975	1/4	199,975
1/2	124,353	1/2	134,569	1/2	144,760	1/2	154,950	1/2	165,141	1/2	174,141	1/2	184,141	1/2	194,141	1/2	199,975	1/2	199,975
3/4	124,578	3/4	134,782	3/4	144,972	3/4	155,163	3/4	165,353	3/4	174,353	3/4	184,353	3/4	194,353	3/4	199,975	3/4	199,975
7	124,804	7	134,994	7	145,185	7	155,375	7	165,565	7	174,565	7	184,565	7	194,565	7	199,975	7	199,975
1/4	125,016	1/4	135,206	1/4	145,397	1/4	155,587	1/4	165,778	1/4	174,778	1/4	184,778	1/4	194,778	1/4	199,975	1/4	199,975
1/2	125,228	1/2	135,419	1/2	145,609	1/2	155,800	1/2	165,990	1/2	174,990	1/2	184,990	1/2	194,990	1/2	199,975	1/2	199,975
3/4	125,441	3/4	135,631	3/4	145,821	3/4	156,012	3/4	166,202	3/4	175,202	3/4	185,202	3/4	195,202	3/4	199,975	3/4	199,975
8	125,653	8	135,843	8	146,034	8	156,224	8	166,415	8	175,415	8	185,415	8	195,415	8	199,975	8	199,975
1/4	125,865	1/4	136,056	1/4	146,246	1/4	156,437	1/4	166,627	1/4	175,627	1/4	185,627	1/4	195,627	1/4	199,975	1/4	199,975
1/2	126,077	1/2	136,268	1/2	146,458	1/2	156,649	1/2	166,839	1/2	175,839	1/2	185,839	1/2	195,839	1/2	199,975	1/2	199,975
3/4	126,290	3/4	136,480	3/4	146,671	3/4	156,861	3/4	167,051	3/4	176,051	3/4	186,051	3/4	196,051	3/4	199,975	3/4	199,975
9	126,502	9	136,692	9	146,883	9	157,073	9	167,264	9	176,264	9	186,264	9	196,264	9	199,975	9	199,975
1/4	126,714	1/4	136,905	1/4	147,095	1/4	157,286	1/4	167,476	1/4	176,476	1/4	186,476	1/4	196,476	1/4	199,975	1/4	199,975
1/2	126,927	1/2	137,117	1/2	147,308	1/2	157,498	1/2	167,687	1/2	176,687	1/2	186,687	1/2	196,687	1/2	199,975	1/2	199,975
3/4	127,139	3/4	137,329	3/4	147,520	3/4	157,710	3/4	167,899	3/4	176,899	3/4	186,899	3/4	196,899	3/4	199,975	3/4	199,975
10	127,351	10	137,542	10	147,732	10	157,923	10	168,111	10	177,111	10	187,111	10	197,111	10	199,975	10	199,975
1/4	127,564	1/4	137,754	1/4	147,944	1/4	158,135	1/4	168,324	1/4	177,324	1/4	187,324	1/4	197,324	1/4	199,975	1/4	199,975
1/2	127,776	1/2	137,966	1/2	148,157	1/2	158,347	1/2	168,537	1/2	177,537	1/2	187,537	1/2	197,537	1/2	199,975	1/2	199,975
3/4	127,988	3/4	138,179	3/4	148,369	3/4	158,560	3/4	168,750	3/4	177,750	3/4	187,750	3/4	197,750	3/4	199,975	3/4	199,975
11	128,200	11	138,391	11	148,581	11	158,772	11	168,963	11	177,963	11	187,963	11	197,963	11	199,975	11	199,975
1/4	128,413	1/4	138,603	1/4	148,794	1/4	158,984	1/4	169,175	1/4	178,175	1/4	188,175	1/4	198,175	1/4	199,975	1/4	199,975
1/2	128,625	1/2	138,816	1/2	149,006	1/2	159,196	1/2	169,374	1/2	178,374	1/2	188,374	1/2	198,374	1/2	199,975	1/2	199,975
3/4	128,837	3/4	139,028	3/4	149,218	3/4	159,409	3/4	169,579	3/4	178,579	3/4	188,579	3/4	198,579	3/4	199,975	3/4	199,975

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/10/2019 CL
CALCULATED: 09/10/2019 SW
PRINTED: 09/10/2019 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77580
http://www.pma.com.net



BARGE "IB 1309"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	74	0	9,452	0	19,742	0	29,872	0	40,067	0	50,367	0	60,647	0	70,936	0	81,236	0	91,515
1/4	138	1/4	9,667	1/4	19,956	1/4	30,080	1/4	40,282	1/4	50,571	1/4	60,861	1/4	71,151	1/4	81,440	1/4	91,730
1/2	202	1/2	9,891	1/2	20,170	1/2	30,288	1/2	40,496	1/2	50,786	1/2	61,076	1/2	71,365	1/2	81,655	1/2	91,944
3/4	267	3/4	10,095	3/4	20,385	3/4	30,496	3/4	40,710	3/4	51,000	3/4	61,290	3/4	71,579	3/4	81,869	3/4	92,159
1	331	1	10,310	1	20,599	1	30,704	1	40,926	1	51,214	1	61,504	1	71,794	1	82,083	1	92,373
1/4	478	1/4	10,524	1/4	20,813	1/4	30,912	1/4	41,139	1/4	51,429	1/4	61,718	1/4	72,008	1/4	82,298	1/4	92,587
1/2	625	1/2	10,739	1/2	21,028	1/2	31,129	1/2	41,355	1/2	51,643	1/2	61,933	1/2	72,222	1/2	82,512	1/2	92,802
3/4	772	3/4	10,953	3/4	21,242	3/4	31,328	3/4	41,553	3/4	51,857	3/4	62,147	3/4	72,437	3/4	82,726	3/4	93,016
1	919	1	11,167	1	21,456	1	31,536	1	41,782	1	52,072	1	62,361	1	72,651	1	82,941	1	93,230
1/4	1,124	1/4	11,382	1/4	21,671	1/4	31,744	1/4	41,997	1/4	52,286	1/4	62,576	1/4	72,866	1/4	83,156	1/4	93,445
1/2	1,329	1/2	11,598	1/2	21,885	1/2	31,953	1/2	42,211	1/2	52,501	1/2	62,790	1/2	73,080	1/2	83,369	1/2	93,659
3/4	1,534	3/4	11,810	3/4	22,100	3/4	32,161	3/4	42,425	3/4	52,715	3/4	63,006	3/4	73,294	3/4	83,584	3/4	93,873
1	1,740	1	12,025	1	22,314	1	32,369	1	42,640	1	52,929	1	63,219	1	73,509	1	83,798	1	94,088
1/4	1,953	1/4	12,239	1/4	22,528	1/4	32,578	1/4	42,854	1/4	53,144	1/4	63,433	1/4	73,723	1/4	84,013	1/4	94,302
1/2	2,167	1/2	12,453	1/2	22,743	1/2	32,788	1/2	43,068	1/2	53,358	1/2	63,648	1/2	73,937	1/2	84,227	1/2	94,517
3/4	2,380	3/4	12,668	3/4	22,957	3/4	32,998	3/4	43,283	3/4	53,572	3/4	63,862	3/4	74,152	3/4	84,441	3/4	94,731
1	2,594	1	12,882	1	23,171	1	33,207	1	43,497	1	53,787	1	64,076	1	74,366	1	84,656	1	94,945
1/4	2,808	1/4	13,096	1/4	23,386	1/4	33,422	1/4	43,711	1/4	54,001	1/4	64,291	1/4	74,580	1/4	84,870	1/4	95,160
1/2	3,022	1/2	13,311	1/2	23,600	1/2	33,636	1/2	43,926	1/2	54,216	1/2	64,506	1/2	74,795	1/2	85,084	1/2	95,374
3/4	3,236	3/4	13,525	3/4	23,814	3/4	33,861	3/4	44,140	3/4	54,430	3/4	64,720	3/4	75,009	3/4	85,299	3/4	95,588
1	3,450	1	13,740	1	24,029	1	34,065	1	44,355	1	54,644	1	64,934	1	75,224	1	85,513	1	95,803
1/4	3,665	1/4	13,954	1/4	24,241	1/4	34,279	1/4	44,569	1/4	54,859	1/4	65,148	1/4	75,438	1/4	85,728	1/4	96,017
1/2	3,879	1/2	14,168	1/2	24,454	1/2	34,494	1/2	44,783	1/2	55,073	1/2	65,363	1/2	75,652	1/2	85,942	1/2	96,232
3/4	4,093	3/4	14,383	3/4	24,667	3/4	34,708	3/4	44,998	3/4	55,287	3/4	65,577	3/4	75,867	3/4	86,156	3/4	96,446
1	4,307	1	14,597	1	24,880	1	34,922	1	45,212	1	55,502	1	65,791	1	76,081	1	86,371	1	96,660
1/4	4,522	1/4	14,811	1/4	25,097	1/4	35,137	1/4	45,426	1/4	55,716	1/4	66,006	1/4	76,295	1/4	86,585	1/4	96,875
1/2	4,736	1/2	15,026	1/2	25,295	1/2	35,361	1/2	45,641	1/2	55,930	1/2	66,220	1/2	76,510	1/2	86,799	1/2	97,089
3/4	4,951	3/4	15,240	3/4	25,503	3/4	35,566	3/4	45,855	3/4	56,145	3/4	66,434	3/4	76,724	3/4	87,014	3/4	97,303
1	5,165	1	15,454	1	25,711	1	35,780	1	46,070	1	56,359	1	66,649	1	76,938	1	87,228	1	97,518
1/4	5,380	1/4	15,669	1/4	25,919	1/4	35,994	1/4	46,284	1/4	56,574	1/4	66,863	1/4	77,153	1/4	87,442	1/4	97,732
1/2	5,594	1/2	15,883	1/2	26,127	1/2	36,209	1/2	46,498	1/2	56,788	1/2	67,078	1/2	77,367	1/2	87,657	1/2	97,946
3/4	5,808	3/4	16,097	3/4	26,335	3/4	36,423	3/4	46,713	3/4	57,002	3/4	67,292	3/4	77,582	3/4	87,871	3/4	98,161
1	6,023	1	16,312	1	26,543	1	36,637	1	46,927	1	57,217	1	67,506	1	77,796	1	88,086	1	98,375
1/4	6,237	1/4	16,526	1/4	26,751	1/4	36,862	1/4	47,141	1/4	57,431	1/4	67,721	1/4	78,010	1/4	88,300	1/4	98,590
1/2	6,451	1/2	16,741	1/2	26,959	1/2	37,066	1/2	47,356	1/2	57,645	1/2	67,935	1/2	78,225	1/2	88,514	1/2	98,804
3/4	6,666	3/4	16,955	3/4	27,167	3/4	37,280	3/4	47,570	3/4	57,860	3/4	68,149	3/4	78,439	3/4	88,729	3/4	99,018
1	6,880	1	17,169	1	27,376	1	37,495	1	47,784	1	58,074	1	68,364	1	78,653	1	88,943	1	99,233
1/4	7,094	1/4	17,384	1/4	27,583	1/4	37,709	1/4	47,999	1/4	58,288	1/4	68,578	1/4	78,868	1/4	89,157	1/4	99,447
1/2	7,309	1/2	17,598	1/2	27,791	1/2	37,924	1/2	48,213	1/2	58,503	1/2	68,792	1/2	79,082	1/2	89,372	1/2	99,661
3/4	7,523	3/4	17,812	3/4	27,999	3/4	38,138	3/4	48,428	3/4	58,717	3/4	69,007	3/4	79,296	3/4	89,586	3/4	99,876
1	7,738	1	18,027	1	28,205	1	38,352	1	48,642	1	58,932	1	69,221	1	79,511	1	89,800	1	100,090
1/4	7,952	1/4	18,241	1/4	28,415	1/4	38,567	1/4	48,856	1/4	59,146	1/4	69,436	1/4	79,725	1/4	90,015	1/4	100,305
1/2	8,166	1/2	18,455	1/2	28,623	1/2	38,781	1/2	49,071	1/2	59,360	1/2	69,650	1/2	79,940	1/2	90,229	1/2	100,519
3/4	8,381	3/4	18,670	3/4	28,831	3/4	38,995	3/4	49,285	3/4	59,575	3/4	69,864	3/4	80,154	3/4	90,444	3/4	100,733
1	8,595	1	18,884	1	29,039	1	39,210	1	49,499	1	59,789	1	70,079	1	80,368	1	90,658	1	100,948
1/4	8,809	1/4	19,099	1/4	29,247	1/4	39,424	1/4	49,714	1/4	60,003	1/4	70,293	1/4	80,583	1/4	90,872	1/4	101,162
1/2	9,024	1/2	19,313	1/2	29,456	1/2	39,639	1/2	49,928	1/2	60,218	1/2	70,507	1/2	80,797	1/2	91,087	1/2	101,376
3/4	9,238	3/4	19,527	3/4	29,664	3/4	39,853	3/4	50,143	3/4	60,432	3/4	70,722	3/4	81,011	3/4	91,301	3/4	101,591

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.

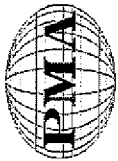
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 23'-08" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

http://www.pmacorp.net



BARGE "IB 1309"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

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	101,805	0	112,095	0	122,384	0	132,674	0	142,964	0	153,136	0	163,364	0	173,592	0	183,820	0	194,048
1/4	102,019	1/4	112,309	1/4	122,599	1/4	132,888	1/4	143,178	1/4	153,261	1/4	163,386	1/4	173,511	1/4	183,636	1/4	193,761
1/2	102,234	1/2	112,523	1/2	122,813	1/2	133,103	1/2	143,392	1/2	153,386	1/2	163,461	1/2	173,536	1/2	183,611	1/2	193,686
3/4	102,448	3/4	112,738	3/4	123,027	3/4	133,317	3/4	143,607	3/4	153,511	3/4	163,536	3/4	173,561	3/4	183,586	3/4	193,611
1	102,663	1	112,952	1	123,242	1	133,531	1	143,821	1	153,636	1	163,661	1	173,636	1	183,661	1	193,686
1 1/4	102,877	1 1/4	113,167	1 1/4	123,456	1 1/4	133,746	1 1/4	144,035	1 1/4	153,694	1 1/4	163,719	1 1/4	173,694	1 1/4	183,719	1 1/4	193,744
1 1/2	103,091	1 1/2	113,381	1 1/2	123,671	1 1/2	133,960	1 1/2	144,250	1 1/2	153,752	1 1/2	163,777	1 1/2	173,752	1 1/2	183,777	1 1/2	193,802
3/4	103,306	3/4	113,595	3/4	123,885	3/4	134,175	3/4	144,464	3/4	153,810	3/4	163,835	3/4	173,810	3/4	183,835	3/4	193,860
2	103,520	2	113,810	2	124,099	2	134,389	2	144,679	2	153,868	2	163,893	2	173,868	2	183,893	2	193,918
1 1/4	103,734	1 1/4	114,024	1 1/4	124,314	1 1/4	134,603	1 1/4	144,893	1 1/4	153,886	1 1/4	163,911	1 1/4	173,886	1 1/4	183,911	1 1/4	193,936
1 1/2	103,949	1 1/2	114,238	1 1/2	124,528	1 1/2	134,818	1 1/2	145,107	1 1/2	153,886	1 1/2	163,911	1 1/2	173,886	1 1/2	183,911	1 1/2	193,936
3/4	104,163	3/4	114,453	3/4	124,742	3/4	135,032	3/4	145,322	3/4	153,886	3/4	163,911	3/4	173,886	3/4	183,911	3/4	193,936
3	104,377	3	114,667	3	124,957	3	135,246	3	145,536	3	153,886	3	163,911	3	173,886	3	183,911	3	193,936
1 1/4	104,592	1 1/4	114,881	1 1/4	125,171	1 1/4	135,461	1 1/4	145,750	1 1/4	153,886	1 1/4	163,911	1 1/4	173,886	1 1/4	183,911	1 1/4	193,936
1 1/2	104,806	1 1/2	115,095	1 1/2	125,386	1 1/2	135,675	1 1/2	145,965	1 1/2	153,886	1 1/2	163,911	1 1/2	173,886	1 1/2	183,911	1 1/2	193,936
3/4	105,021	3/4	115,310	3/4	125,600	3/4	135,890	3/4	146,179	3/4	153,886	3/4	163,911	3/4	173,886	3/4	183,911	3/4	193,936
4	105,235	4	115,525	4	125,814	4	136,104	4	146,394	4	153,886	4	163,911	4	173,886	4	183,911	4	193,936
1 1/4	105,449	1 1/4	115,739	1 1/4	126,029	1 1/4	136,318	1 1/4	146,608	1 1/4	153,886	1 1/4	163,911	1 1/4	173,886	1 1/4	183,911	1 1/4	193,936
1 1/2	105,664	1 1/2	115,953	1 1/2	126,243	1 1/2	136,533	1 1/2	146,822	1 1/2	153,886	1 1/2	163,911	1 1/2	173,886	1 1/2	183,911	1 1/2	193,936
3/4	105,878	3/4	116,168	3/4	126,457	3/4	136,747	3/4	147,037	3/4	153,886	3/4	163,911	3/4	173,886	3/4	183,911	3/4	193,936
5	106,092	5	116,382	5	126,672	5	136,961	5	147,251	5	153,886	5	163,911	5	173,886	5	183,911	5	193,936
1 1/4	106,307	1 1/4	116,596	1 1/4	126,886	1 1/4	137,176	1 1/4	147,465	1 1/4	153,886	1 1/4	163,911	1 1/4	173,886	1 1/4	183,911	1 1/4	193,936
1 1/2	106,521	1 1/2	116,811	1 1/2	127,100	1 1/2	137,390	1 1/2	147,680	1 1/2	153,886	1 1/2	163,911	1 1/2	173,886	1 1/2	183,911	1 1/2	193,936
3/4	106,736	3/4	117,026	3/4	127,315	3/4	137,604	3/4	147,894	3/4	153,886	3/4	163,911	3/4	173,886	3/4	183,911	3/4	193,936
6	106,950	6	117,240	6	127,529	6	137,819	6	148,108	6	153,886	6	163,911	6	173,886	6	183,911	6	193,936
1 1/4	107,164	1 1/4	117,454	1 1/4	127,744	1 1/4	138,033	1 1/4	148,323	1 1/4	153,886	1 1/4	163,911	1 1/4	173,886	1 1/4	183,911	1 1/4	193,936
1 1/2	107,379	1 1/2	117,668	1 1/2	127,958	1 1/2	138,248	1 1/2	148,537	1 1/2	153,886	1 1/2	163,911	1 1/2	173,886	1 1/2	183,911	1 1/2	193,936
3/4	107,593	3/4	117,883	3/4	128,172	3/4	138,462	3/4	148,752	3/4	153,886	3/4	163,911	3/4	173,886	3/4	183,911	3/4	193,936
7	107,807	7	118,097	7	128,387	7	138,676	7	148,966	7	153,886	7	163,911	7	173,886	7	183,911	7	193,936
1 1/4	108,022	1 1/4	118,311	1 1/4	128,601	1 1/4	138,891	1 1/4	149,180	1 1/4	153,886	1 1/4	163,911	1 1/4	173,886	1 1/4	183,911	1 1/4	193,936
1 1/2	108,236	1 1/2	118,526	1 1/2	128,815	1 1/2	139,105	1 1/2	149,395	1 1/2	153,886	1 1/2	163,911	1 1/2	173,886	1 1/2	183,911	1 1/2	193,936
3/4	108,450	3/4	118,740	3/4	129,030	3/4	139,319	3/4	149,609	3/4	153,886	3/4	163,911	3/4	173,886	3/4	183,911	3/4	193,936
8	108,665	8	118,954	8	129,244	8	139,534	8	149,823	8	153,886	8	163,911	8	173,886	8	183,911	8	193,936
1 1/4	108,879	1 1/4	119,169	1 1/4	129,458	1 1/4	139,748	1 1/4	150,038	1 1/4	153,886	1 1/4	163,911	1 1/4	173,886	1 1/4	183,911	1 1/4	193,936
1 1/2	109,094	1 1/2	119,383	1 1/2	129,673	1 1/2	139,962	1 1/2	150,252	1 1/2	153,886	1 1/2	163,911	1 1/2	173,886	1 1/2	183,911	1 1/2	193,936
3/4	109,308	3/4	119,598	3/4	129,887	3/4	140,177	3/4	150,466	3/4	153,886	3/4	163,911	3/4	173,886	3/4	183,911	3/4	193,936
9	109,522	9	119,812	9	130,102	9	140,391	9	150,681	9	153,886	9	163,911	9	173,886	9	183,911	9	193,936
1 1/4	109,737	1 1/4	120,026	1 1/4	130,316	1 1/4	140,606	1 1/4	150,895	1 1/4	153,886	1 1/4	163,911	1 1/4	173,886	1 1/4	183,911	1 1/4	193,936
1 1/2	109,951	1 1/2	120,241	1 1/2	130,530	1 1/2	140,820	1 1/2	151,108	1 1/2	153,886	1 1/2	163,911	1 1/2	173,886	1 1/2	183,911	1 1/2	193,936
3/4	110,165	3/4	120,455	3/4	130,745	3/4	141,034	3/4	151,322	3/4	153,886	3/4	163,911	3/4	173,886	3/4	183,911	3/4	193,936
10	110,380	10	120,669	10	130,959	10	141,249	10	151,536	10	153,886	10	163,911	10	173,886	10	183,911	10	193,936
1 1/4	110,594	1 1/4	120,884	1 1/4	131,173	1 1/4	141,463	1 1/4	151,747	1 1/4	153,886	1 1/4	163,911	1 1/4	173,886	1 1/4	183,911	1 1/4	193,936
1 1/2	110,809	1 1/2	121,098	1 1/2	131,388	1 1/2	141,677	1 1/2	151,958	1 1/2	153,886	1 1/2	163,911	1 1/2	173,886	1 1/2	183,911	1 1/2	193,936
3/4	111,023	3/4	121,313	3/4	131,602	3/4	141,892	3/4	152,169	3/4	153,886	3/4	163,911	3/4	173,886	3/4	183,911	3/4	193,936
11	111,237	11	121,527	11	131,817	11	142,106	11	152,381	11	153,886	11	163,911	11	173,886	11	183,911	11	193,936
1 1/4	111,452	1 1/4	121,741	1 1/4	132,031	1 1/4	142,321	1 1/4	152,569	1 1/4	153,886	1 1/4	163,911	1 1/4	173,886	1 1/4	183,911	1 1/4	193,936
1 1/2	111,666	1 1/2	121,956	1 1/2	132,245	1 1/2	142,535	1 1/2	152,758	1 1/2	153,886	1 1/2	163,911	1 1/2	173,886	1 1/2	183,911	1 1/2	193,936
3/4	111,880	3/4	122,170	3/4	132,460	3/4	142,749	3/4	152,947	3/4	153,886	3/4	163,911	3/4	173,886	3/4	183,911	3/4	193,936

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/10/2019 CL
 CALCULATED: 09/10/2019 CL
 PRINTED: 09/10/2019 SW
 CANCELLED AND SUPERCEDES
 ALL PRIOR TO 09/2019

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
 Http://www.pmacom.net



BARGE "IB 1309"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	74	0	9,519	0	19,881	0	30,219	0	40,569	0	50,932	0	61,294	0	71,657	0	82,019	0	92,382
1/4	139	1/4	9,735	1/4	20,097	1/4	30,434	1/4	40,785	1/4	51,147	1/4	61,510	1/4	71,872	1/4	82,235	1/4	92,597
1/2	204	1/2	9,951	1/2	20,313	1/2	30,649	1/2	41,001	1/2	51,363	1/2	61,726	1/2	72,088	1/2	82,451	1/2	92,813
3/4	268	3/4	10,167	3/4	20,529	3/4	30,864	3/4	41,217	3/4	51,579	3/4	61,942	3/4	72,304	3/4	82,667	3/4	93,029
1	333	1	10,383	1	20,746	1	31,079	1	41,433	1	51,795	1	62,158	1	72,520	1	82,883	1	93,245
1/4	481	1/4	10,598	1/4	20,960	1/4	31,294	1/4	41,649	1/4	52,011	1/4	62,374	1/4	72,736	1/4	83,098	1/4	93,461
1/2	629	1/2	10,814	1/2	21,176	1/2	31,509	1/2	41,864	1/2	52,227	1/2	62,589	1/2	72,952	1/2	83,314	1/2	93,677
3/4	777	3/4	11,030	3/4	21,392	3/4	31,724	3/4	42,080	3/4	52,443	3/4	62,806	3/4	73,168	3/4	83,530	3/4	93,893
2	925	2	11,246	2	21,608	2	31,939	2	42,296	2	52,659	2	63,021	2	73,384	2	83,746	2	94,109
1/4	1,132	1/4	11,462	1/4	21,824	1/4	32,154	1/4	42,512	1/4	52,875	1/4	63,237	1/4	73,600	1/4	83,962	1/4	94,325
1/2	1,339	1/2	11,678	1/2	22,040	1/2	32,369	1/2	42,728	1/2	53,090	1/2	63,453	1/2	73,815	1/2	84,178	1/2	94,540
3/4	1,545	3/4	11,894	3/4	22,256	3/4	32,584	3/4	42,944	3/4	53,306	3/4	63,669	3/4	74,031	3/4	84,394	3/4	94,756
3	1,752	3	12,110	3	22,472	3	32,799	3	43,160	3	53,522	3	63,885	3	74,247	3	84,610	3	94,972
1/4	1,967	1/4	12,325	1/4	22,687	1/4	33,015	1/4	43,376	1/4	53,738	1/4	64,101	1/4	74,463	1/4	84,826	1/4	95,188
1/2	2,182	1/2	12,541	1/2	22,903	1/2	33,230	1/2	43,592	1/2	53,954	1/2	64,316	1/2	74,679	1/2	85,042	1/2	95,404
3/4	2,397	3/4	12,757	3/4	23,119	3/4	33,445	3/4	43,807	3/4	54,170	3/4	64,532	3/4	74,895	3/4	85,257	3/4	95,620
4	2,612	4	12,973	4	23,335	4	33,661	4	44,023	4	54,386	4	64,748	4	75,111	4	85,473	4	95,836
1/4	2,827	1/4	13,189	1/4	23,551	1/4	33,877	1/4	44,239	1/4	54,602	1/4	64,964	1/4	75,327	1/4	85,689	1/4	96,052
1/2	3,043	1/2	13,405	1/2	23,767	1/2	34,093	1/2	44,455	1/2	54,818	1/2	65,180	1/2	75,542	1/2	85,905	1/2	96,267
3/4	3,259	3/4	13,621	3/4	23,983	3/4	34,308	3/4	44,671	3/4	55,033	3/4	65,396	3/4	75,758	3/4	86,121	3/4	96,483
5	3,475	5	13,837	5	24,199	5	34,524	5	44,887	5	55,249	5	65,612	5	75,974	5	86,337	5	96,699
1/4	3,690	1/4	14,052	1/4	24,414	1/4	34,740	1/4	45,103	1/4	55,465	1/4	65,828	1/4	76,190	1/4	86,553	1/4	96,916
1/2	3,906	1/2	14,268	1/2	24,630	1/2	34,956	1/2	45,319	1/2	55,681	1/2	66,044	1/2	76,406	1/2	86,769	1/2	97,131
3/4	4,122	3/4	14,484	3/4	24,846	3/4	35,172	3/4	45,534	3/4	55,897	3/4	66,269	3/4	76,622	3/4	86,984	3/4	97,347
6	4,338	6	14,700	6	25,061	6	35,388	6	45,750	6	56,113	6	66,475	6	76,838	6	87,200	6	97,563
1/4	4,554	1/4	14,916	1/4	25,276	1/4	35,604	1/4	45,966	1/4	56,329	1/4	66,691	1/4	77,054	1/4	87,416	1/4	97,779
1/2	4,770	1/2	15,132	1/2	25,491	1/2	35,820	1/2	46,182	1/2	56,545	1/2	66,907	1/2	77,270	1/2	87,632	1/2	97,995
3/4	4,986	3/4	15,348	3/4	25,706	3/4	36,036	3/4	46,398	3/4	56,760	3/4	67,123	3/4	77,485	3/4	87,848	3/4	98,210
7	5,202	7	15,564	7	25,921	7	36,251	7	46,614	7	56,976	7	67,339	7	77,701	7	88,064	7	98,426
1/4	5,417	1/4	15,779	1/4	26,136	1/4	36,467	1/4	46,830	1/4	57,192	1/4	67,555	1/4	77,917	1/4	88,280	1/4	98,642
1/2	5,633	1/2	15,995	1/2	26,351	1/2	36,683	1/2	47,046	1/2	57,408	1/2	67,771	1/2	78,133	1/2	88,496	1/2	98,858
3/4	5,849	3/4	16,211	3/4	26,566	3/4	36,899	3/4	47,262	3/4	57,624	3/4	67,987	3/4	78,349	3/4	88,711	3/4	99,074
8	6,065	8	16,427	8	26,780	8	37,115	8	47,477	8	57,840	8	68,202	8	78,565	8	88,927	8	99,290
1/4	6,281	1/4	16,643	1/4	26,995	1/4	37,331	1/4	47,693	1/4	58,056	1/4	68,418	1/4	78,781	1/4	89,143	1/4	99,506
1/2	6,497	1/2	16,859	1/2	27,210	1/2	37,547	1/2	47,909	1/2	58,272	1/2	68,634	1/2	78,997	1/2	89,359	1/2	99,722
3/4	6,713	3/4	17,075	3/4	27,425	3/4	37,763	3/4	48,125	3/4	58,488	3/4	68,850	3/4	79,213	3/4	89,575	3/4	99,938
9	6,929	9	17,291	9	27,640	9	37,978	9	48,341	9	58,703	9	69,066	9	79,428	9	89,791	9	100,153
1/4	7,144	1/4	17,506	1/4	27,855	1/4	38,194	1/4	48,557	1/4	58,919	1/4	69,282	1/4	79,644	1/4	90,007	1/4	100,369
1/2	7,360	1/2	17,722	1/2	28,070	1/2	38,410	1/2	48,773	1/2	59,135	1/2	69,498	1/2	79,860	1/2	90,223	1/2	100,585
3/4	7,576	3/4	17,938	3/4	28,285	3/4	38,626	3/4	48,989	3/4	59,351	3/4	69,714	3/4	80,076	3/4	90,439	3/4	100,801
10	7,792	10	18,154	10	28,500	10	38,842	10	49,205	10	59,567	10	69,929	10	80,292	10	90,554	10	101,017
1/4	8,008	1/4	18,370	1/4	28,715	1/4	39,058	1/4	49,420	1/4	59,783	1/4	70,145	1/4	80,508	1/4	90,870	1/4	101,233
1/2	8,224	1/2	18,586	1/2	28,930	1/2	39,274	1/2	49,636	1/2	59,999	1/2	70,361	1/2	80,724	1/2	91,088	1/2	101,449
3/4	8,440	3/4	18,802	3/4	29,144	3/4	39,490	3/4	49,852	3/4	60,215	3/4	70,577	3/4	80,940	3/4	91,302	3/4	101,665
11	8,656	11	19,018	11	29,359	11	39,706	11	50,068	11	60,431	11	70,793	11	81,156	11	91,518	11	101,880
1/4	8,871	1/4	19,233	1/4	29,574	1/4	39,921	1/4	50,284	1/4	60,646	1/4	71,009	1/4	81,371	1/4	91,734	1/4	102,096
1/2	9,087	1/2	19,449	1/2	29,789	1/2	40,137	1/2	50,500	1/2	60,862	1/2	71,225	1/2	81,587	1/2	91,950	1/2	102,312
3/4	9,303	3/4	19,665	3/4	30,004	3/4	40,353	3/4	50,716	3/4	61,078	3/4	71,441	3/4	81,803	3/4	92,166	3/4	102,528

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
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.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "IB 1309"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

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	102,744	0	113,107	0	123,469	0	133,831	0	144,194	0	154,538	0	164,882	0	175,226	0	185,570	0	195,914
1/4	102,960	1/4	113,322	1/4	123,685	1/4	134,047	1/4	144,410	1/4	154,773	1/4	165,136	1/4	175,499	1/4	185,862	1/4	196,225
1/2	103,176	1/2	113,538	1/2	123,901	1/2	134,263	1/2	144,626	1/2	154,989	1/2	165,352	1/2	175,715	1/2	186,078	1/2	196,441
3/4	103,392	3/4	113,754	3/4	124,117	3/4	134,479	3/4	144,842	3/4	155,205	3/4	165,568	3/4	175,931	3/4	186,294	3/4	196,657
1	103,608	1	113,970	1	124,333	1	134,696	1	145,059	1	155,422	1	165,785	1	176,148	1	186,511	1	196,874
1/4	103,823	1/4	114,186	1/4	124,548	1/4	134,911	1/4	145,273	1/4	155,636	1/4	166,000	1/4	176,363	1/4	186,726	1/4	197,089
1/2	104,039	1/2	114,402	1/2	124,764	1/2	135,127	1/2	145,489	1/2	155,852	1/2	166,215	1/2	176,578	1/2	186,941	1/2	197,304
3/4	104,255	3/4	114,618	3/4	124,980	3/4	135,343	3/4	145,705	3/4	156,068	3/4	166,431	3/4	176,794	3/4	187,157	3/4	197,520
1	104,471	1	114,834	1	125,196	1	135,569	1	145,932	1	156,295	1	166,658	1	177,021	1	187,384	1	197,747
1/4	104,687	1/4	115,049	1/4	125,412	1/4	135,774	1/4	146,137	1/4	156,500	1/4	166,863	1/4	177,226	1/4	187,589	1/4	197,952
1/2	104,903	1/2	115,266	1/2	125,628	1/2	135,990	1/2	146,353	1/2	156,716	1/2	167,079	1/2	177,442	1/2	187,805	1/2	198,168
3/4	105,119	3/4	115,481	3/4	125,844	3/4	136,206	3/4	146,569	3/4	156,932	3/4	167,295	3/4	177,658	3/4	188,021	3/4	198,384
1	105,335	1	115,697	1	126,060	1	136,422	1	146,785	1	157,148	1	167,511	1	177,874	1	188,237	1	198,600
1/4	105,551	1/4	115,913	1/4	126,275	1/4	136,638	1/4	147,000	1/4	157,363	1/4	167,726	1/4	178,089	1/4	188,452	1/4	198,815
1/2	105,766	1/2	116,129	1/2	126,491	1/2	136,854	1/2	147,216	1/2	157,578	1/2	167,941	1/2	178,304	1/2	188,667	1/2	199,028
3/4	105,982	3/4	116,345	3/4	126,707	3/4	137,070	3/4	147,432	3/4	157,793	3/4	168,156	3/4	178,519	3/4	188,882	3/4	199,244
1	106,198	1	116,561	1	126,923	1	137,286	1	147,648	1	158,011	1	168,374	1	178,737	1	189,100	1	199,463
1/4	106,414	1/4	116,777	1/4	127,139	1/4	137,502	1/4	147,864	1/4	158,226	1/4	168,589	1/4	178,952	1/4	189,315	1/4	199,676
1/2	106,630	1/2	116,992	1/2	127,355	1/2	137,717	1/2	148,080	1/2	158,443	1/2	168,806	1/2	179,169	1/2	189,532	1/2	199,890
3/4	106,846	3/4	117,208	3/4	127,571	3/4	137,933	3/4	148,296	3/4	158,659	3/4	169,022	3/4	179,385	3/4	189,748	3/4	200,106
1	107,062	1	117,424	1	127,787	1	138,149	1	148,512	1	158,875	1	169,238	1	179,601	1	190,000	1	200,363
1/4	107,278	1/4	117,640	1/4	128,003	1/4	138,365	1/4	148,728	1/4	159,091	1/4	169,454	1/4	179,817	1/4	190,180	1/4	200,546
1/2	107,493	1/2	117,856	1/2	128,218	1/2	138,581	1/2	148,943	1/2	159,306	1/2	169,669	1/2	180,032	1/2	190,395	1/2	200,760
3/4	107,709	3/4	118,072	3/4	128,434	3/4	138,797	3/4	149,159	3/4	159,522	3/4	169,885	3/4	180,247	3/4	190,608	3/4	201,123
1	107,925	1	118,288	1	128,650	1	139,013	1	149,376	1	159,739	1	170,102	1	180,465	1	190,828	1	201,486
1/4	108,141	1/4	118,504	1/4	128,866	1/4	139,229	1/4	149,591	1/4	159,954	1/4	170,316	1/4	180,679	1/4	191,042	1/4	201,849
1/2	108,357	1/2	118,720	1/2	129,082	1/2	139,444	1/2	149,807	1/2	160,170	1/2	170,533	1/2	180,896	1/2	191,258	1/2	202,212
3/4	108,573	3/4	118,936	3/4	129,298	3/4	139,660	3/4	150,023	3/4	160,386	3/4	170,749	3/4	181,112	3/4	191,471	3/4	202,566
1	108,789	1	119,151	1	129,514	1	139,876	1	150,239	1	160,602	1	170,965	1	181,326	1	191,684	1	202,820
1/4	109,005	1/4	119,367	1/4	129,730	1/4	140,092	1/4	150,455	1/4	160,818	1/4	171,181	1/4	181,544	1/4	191,907	1/4	203,074
1/2	109,221	1/2	119,583	1/2	129,946	1/2	140,308	1/2	150,671	1/2	161,034	1/2	171,397	1/2	181,760	1/2	192,120	1/2	203,328
3/4	109,436	3/4	119,799	3/4	130,161	3/4	140,524	3/4	150,886	3/4	161,247	3/4	171,610	3/4	181,973	3/4	192,327	3/4	203,582
1	109,652	1	120,015	1	130,377	1	140,740	1	151,102	1	161,464	1	171,826	1	182,189	1	192,542	1	203,836
1/4	109,868	1/4	120,231	1/4	130,593	1/4	140,956	1/4	151,318	1/4	161,679	1/4	172,041	1/4	182,404	1/4	192,757	1/4	204,090
1/2	110,084	1/2	120,447	1/2	130,809	1/2	141,172	1/2	151,534	1/2	162,000	1/2	172,362	1/2	182,715	1/2	193,068	1/2	204,344
3/4	110,300	3/4	120,662	3/4	131,025	3/4	141,387	3/4	151,750	3/4	162,163	3/4	172,525	3/4	182,878	3/4	193,221	3/4	204,598
1	110,516	1	120,878	1	131,241	1	141,603	1	152,112	1	162,475	1	172,838	1	183,191	1	193,544	1	204,852
1/4	110,732	1/4	121,094	1/4	131,467	1/4	141,819	1/4	152,181	1/4	162,687	1/4	173,050	1/4	183,403	1/4	193,756	1/4	205,106
1/2	110,948	1/2	121,310	1/2	131,673	1/2	142,035	1/2	152,397	1/2	162,900	1/2	173,262	1/2	183,615	1/2	193,909	1/2	205,360
3/4	111,164	3/4	121,526	3/4	131,889	3/4	142,251	3/4	152,660	3/4	163,163	3/4	173,525	3/4	183,828	3/4	194,162	3/4	205,614
1	111,379	1	121,742	1	132,104	1	142,467	1	152,827	1	163,424	1	173,787	1	184,080	1	194,415	1	205,868
1/4	111,595	1/4	121,958	1/4	132,320	1/4	142,683	1/4	153,040	1/4	163,681	1/4	174,046	1/4	184,299	1/4	194,668	1/4	206,122
1/2	111,811	1/2	122,174	1/2	132,536	1/2	142,899	1/2	153,252	1/2	163,888	1/2	174,306	1/2	184,552	1/2	194,921	1/2	206,376
3/4	112,027	3/4	122,390	3/4	132,752	3/4	143,115	3/4	153,465	3/4	164,091	3/4	174,510	3/4	184,760	3/4	195,174	3/4	206,630
1	112,243	1	122,605	1	132,968	1	143,330	1	153,630	1	164,250	1	174,714	1	184,969	1	195,427	1	206,884
1/4	112,459	1/4	122,821	1/4	133,184	1/4	143,546	1/4	153,846	1/4	164,466	1/4	174,929	1/4	185,184	1/4	195,681	1/4	207,138
1/2	112,675	1/2	123,037	1/2	133,400	1/2	143,762	1/2	154,060	1/2	164,681	1/2	175,142	1/2	185,391	1/2	195,934	1/2	207,392
3/4	112,891	3/4	123,253	3/4	133,616	3/4	143,978	3/4	154,248	3/4	164,899	3/4	175,325	3/4	185,606	3/4	196,141	3/4	207,646

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/10/2019 CI.
 CALCULATED: 09/10/2019 CI.
 PRINTED: 09/10/2019 SW
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 09/2019

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