

Gallons



BARGE "IB 1300"

ULLAGE 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	- 00-3/8	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	- 00-5/8	00-5/8	- 01-3/8	01-3/8	- 02-0/8	02-0/8	- 02-3/4	02-3/4	- 03-3/8	03-3/8	- 04-0/8	04-0/8

(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 ULLAGE GAUGE OF 4'-00" ON 2 CENTER, THE TRIM CORRECTED ULLAGE IS 4'-00 3/8"

LENGTH BETWEEN DRAFT MARKS: 163'-03"

August 2, 2019

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77568

<http://www.pmacorp.net>



BARGE "IB 1300"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-01 3/4"

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		0	170,001	0	160,573	0	150,416	0	140,259	0	130,103	0	119,310	0	107,441	0	95,567	0	83,693
1/4		1/4	169,934	1/4	160,381	1/4	150,204	1/4	140,048	1/4	129,891	1/4	119,063	1/4	107,184	1/4	95,320	1/4	83,445
1/2		1/2	169,867	1/2	160,149	1/2	149,993	1/2	139,836	1/2	129,679	1/2	118,816	1/2	106,947	1/2	95,072	1/2	83,198
3/4		3/4	169,799	3/4	159,936	3/4	149,761	3/4	139,625	3/4	129,468	3/4	118,569	3/4	106,699	3/4	94,825	3/4	82,951
1		1	169,655	1	159,726	1	149,570	1	139,413	1	129,256	1	118,322	1	106,452	1	94,578	1	82,703
1/4		1/4	169,510	1/4	159,515	1/4	149,358	1/4	139,201	1/4	129,045	1/4	118,075	1/4	106,204	1/4	94,330	1/4	82,456
1/2		1/2	169,366	1/2	159,303	1/2	149,146	1/2	138,990	1/2	128,833	1/2	117,828	1/2	105,957	1/2	94,083	1/2	82,209
3/4		3/4	169,221	3/4	159,091	3/4	148,935	3/4	138,778	3/4	128,621	3/4	117,581	3/4	105,710	3/4	93,835	3/4	81,961
2		2	169,016	2	158,880	2	148,723	2	138,567	2	128,410	2	117,334	2	105,462	2	93,588	2	81,716
1/4		1/4	168,812	1/4	158,668	1/4	148,512	1/4	138,355	1/4	128,198	1/4	117,087	1/4	105,215	1/4	93,341	1/4	81,468
1/2		1/2	168,607	1/2	158,457	1/2	148,300	1/2	138,143	1/2	127,987	1/2	116,840	1/2	104,987	1/2	93,093	1/2	81,212
3/4		3/4	168,402	3/4	158,245	3/4	148,088	3/4	137,932	3/4	127,775	3/4	116,583	3/4	104,720	3/4	92,846	3/4	80,975
3		3	168,190	3	158,033	3	147,877	3	137,720	3	127,563	3	116,346	3	104,473	3	92,598	3	80,728
1/4		1/4	167,978	1/4	157,822	1/4	147,665	1/4	137,509	1/4	127,352	1/4	116,089	1/4	104,226	1/4	92,351	1/4	80,482
1/2		1/2	167,765	1/2	157,610	1/2	147,454	1/2	137,297	1/2	127,140	1/2	115,852	1/2	103,978	1/2	92,104	1/2	80,236
3/4		3/4	167,553	3/4	157,399	3/4	147,242	3/4	137,085	3/4	126,929	3/4	115,604	3/4	103,731	3/4	91,856	3/4	79,989
4		4	167,342	4	157,187	4	147,030	4	136,874	4	126,717	4	115,357	4	103,483	4	91,609	4	79,743
1/4		1/4	167,131	1/4	156,975	1/4	146,819	1/4	136,662	1/4	126,506	1/4	115,110	1/4	103,236	1/4	91,362	1/4	79,497
1/2		1/2	166,920	1/2	156,764	1/2	146,607	1/2	136,451	1/2	126,294	1/2	114,863	1/2	102,988	1/2	91,114	1/2	79,250
3/4		3/4	166,709	3/4	156,552	3/4	146,396	3/4	136,239	3/4	126,082	3/4	114,615	3/4	102,741	3/4	90,867	3/4	79,004
5		5	166,497	5	156,341	5	146,184	5	136,027	5	125,871	5	114,368	5	102,494	5	90,619	5	78,758
1/4		1/4	166,286	1/4	156,129	1/4	145,972	1/4	135,816	1/4	125,659	1/4	114,121	1/4	102,246	1/4	90,372	1/4	78,511
1/2		1/2	166,074	1/2	155,917	1/2	145,761	1/2	135,604	1/2	125,448	1/2	113,873	1/2	101,999	1/2	90,125	1/2	78,265
3/4		3/4	165,863	3/4	155,706	3/4	145,549	3/4	135,393	3/4	125,236	3/4	113,626	3/4	101,752	3/4	89,877	3/4	78,019
6		6	165,651	6	155,494	6	145,338	6	135,181	6	125,024	6	113,378	6	101,504	6	89,630	6	77,772
1/4		1/4	165,439	1/4	155,283	1/4	145,126	1/4	134,969	1/4	124,813	1/4	113,131	1/4	101,257	1/4	89,383	1/4	77,526
1/2		1/2	165,228	1/2	155,071	1/2	144,914	1/2	134,758	1/2	124,601	1/2	112,884	1/2	101,009	1/2	89,135	1/2	77,280
3/4		3/4	165,016	3/4	154,859	3/4	144,703	3/4	134,548	3/4	124,390	3/4	112,636	3/4	100,762	3/4	88,888	3/4	77,034
7		7	164,805	7	154,648	7	144,491	7	134,335	7	124,165	7	112,389	7	100,515	7	88,640	7	76,787
1/4		1/4	164,593	1/4	154,436	1/4	144,280	1/4	134,123	1/4	123,940	1/4	112,142	1/4	100,267	1/4	88,393	1/4	76,541
1/2		1/2	164,381	1/2	154,225	1/2	144,068	1/2	133,911	1/2	123,716	1/2	111,894	1/2	100,020	1/2	88,146	1/2	76,295
3/4		3/4	164,170	3/4	154,013	3/4	143,856	3/4	133,700	3/4	123,491	3/4	111,647	3/4	99,773	3/4	87,898	3/4	76,048
8		8	163,958	8	153,802	8	143,645	8	133,488	8	123,249	8	111,399	8	99,525	8	87,651	8	75,802
1/4		1/4	163,747	1/4	153,590	1/4	143,433	1/4	133,277	1/4	123,006	1/4	111,152	1/4	99,278	1/4	87,404	1/4	75,556
1/2		1/2	163,536	1/2	153,378	1/2	143,222	1/2	133,065	1/2	122,764	1/2	110,905	1/2	99,030	1/2	87,156	1/2	75,309
3/4		3/4	163,323	3/4	153,167	3/4	143,010	3/4	132,853	3/4	122,521	3/4	110,657	3/4	98,783	3/4	86,909	3/4	75,063
9		9	163,112	9	152,955	9	142,798	9	132,642	9	122,274	9	110,410	9	98,536	9	86,661	9	74,817
1/4		1/4	162,900	1/4	152,744	1/4	142,587	1/4	132,430	1/4	122,027	1/4	110,162	1/4	98,288	1/4	86,414	1/4	74,570
1/2		1/2	162,688	1/2	152,532	1/2	142,375	1/2	132,219	1/2	121,780	1/2	109,915	1/2	98,041	1/2	86,167	1/2	74,324
3/4		3/4	162,477	3/4	152,320	3/4	142,164	3/4	132,007	3/4	121,533	3/4	109,668	3/4	97,793	3/4	85,919	3/4	74,078
10		10	162,265	10	152,109	10	141,952	10	131,795	10	121,288	10	109,420	10	97,546	10	85,672	10	73,831
1/4		1/4	162,054	1/4	151,897	1/4	141,740	1/4	131,584	1/4	121,039	1/4	109,173	1/4	97,299	1/4	85,424	1/4	73,585
1/2		1/2	161,842	1/2	151,686	1/2	141,529	1/2	131,372	1/2	120,792	1/2	108,928	1/2	97,051	1/2	85,177	1/2	73,339
3/4		3/4	161,631	3/4	151,474	3/4	141,317	3/4	131,161	3/4	120,545	3/4	108,678	3/4	96,804	3/4	84,930	3/4	73,092
11		11	161,419	11	151,262	11	141,106	11	130,949	11	120,298	11	108,431	11	96,557	11	84,682	11	72,846
1/4		1/4	161,207	1/4	151,051	1/4	140,894	1/4	130,737	1/4	120,051	1/4	108,183	1/4	96,309	1/4	84,435	1/4	72,600
1/2		1/2	160,995	1/2	150,839	1/2	140,683	1/2	130,526	1/2	119,804	1/2	107,936	1/2	96,062	1/2	84,188	1/2	72,353
3/4		3/4	160,784	3/4	150,628	3/4	140,471	3/4	130,314	3/4	119,557	3/4	107,589	3/4	95,814	3/4	83,940	3/4	72,107

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 ULLAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE
GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 30'-00" FORWARD OF AFT BULKHEAD

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 1300"

1 CENTER ULLAGE 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.	
0	71,860	0	59,991	0	48,122	0	36,320	0	24,701	0	12,813	0	1,037	0		0		0		0
1/4	71,813	1/4	59,744	1/4	47,874	1/4	36,081	1/4	24,453	1/4	12,565	1/4	887	1/4		1/4		1/4		1/4
1/2	71,366	1/2	59,497	1/2	47,627	1/2	35,842	1/2	24,206	1/2	12,317	1/2	697	1/2		1/2		1/2		1/2
3/4	71,119	3/4	59,249	3/4	47,380	3/4	35,603	3/4	23,958	3/4	12,069	3/4	527	3/4		3/4		3/4		3/4
1	70,871	1	59,002	1	47,132	1	35,364	1	23,711	1	11,821	1	453	1		1		1		1
1 1/4	70,624	1 1/4	58,755	1 1/4	46,885	1 1/4	35,125	1 1/4	23,463	1 1/4	11,573	1 1/4	378	1 1/4		1 1/4		1 1/4		1 1/4
1 1/2	70,377	1 1/2	58,507	1 1/2	46,638	1 1/2	34,886	1 1/2	23,216	1 1/2	11,325	1 1/2	304	1 1/2		1 1/2		1 1/2		1 1/2
3/4	70,130	3/4	58,260	3/4	46,391	3/4	34,648	3/4	22,968	3/4	11,077	3/4	230	3/4		3/4		3/4		3/4
2	69,882	2	58,013	2	46,143	2	34,409	2	22,721	2	10,829	2		2		2		2		2
1 1/4	69,635	1 1/4	57,766	1 1/4	45,896	1 1/4	34,170	1 1/4	22,474	1 1/4	10,581	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4
1 1/2	69,388	1 1/2	57,518	1 1/2	45,649	1 1/2	33,931	1 1/2	22,226	1 1/2	10,333	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2
3/4	69,140	3/4	57,271	3/4	45,401	3/4	33,692	3/4	21,979	3/4	10,085	3/4		3/4		3/4		3/4		3/4
3	68,893	3	57,024	3	45,154	3	33,453	3	21,731	3	9,837	3		3		3		3		3
1 1/4	68,646	1 1/4	56,776	1 1/4	44,907	1 1/4	33,215	1 1/4	21,484	1 1/4	9,589	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4
1 1/2	68,399	1 1/2	56,529	1 1/2	44,660	1 1/2	32,976	1 1/2	21,236	1 1/2	9,342	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2
3/4	68,151	3/4	56,282	3/4	44,412	3/4	32,737	3/4	20,989	3/4	9,094	3/4		3/4		3/4		3/4		3/4
4	67,904	4	56,035	4	44,165	4	32,498	4	20,742	4	8,846	4		4		4		4		4
1 1/4	67,657	1 1/4	55,787	1 1/4	43,918	1 1/4	32,259	1 1/4	20,494	1 1/4	8,598	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4
1 1/2	67,410	1 1/2	55,540	1 1/2	43,670	1 1/2	32,020	1 1/2	20,247	1 1/2	8,350	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2
3/4	67,162	3/4	55,293	3/4	43,423	3/4	31,782	3/4	19,999	3/4	8,102	3/4		3/4		3/4		3/4		3/4
5	66,915	5	55,045	5	43,176	5	31,543	5	19,752	5	7,854	5		5		5		5		5
1 1/4	66,668	1 1/4	54,798	1 1/4	42,929	1 1/4	31,304	1 1/4	19,504	1 1/4	7,606	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4
1 1/2	66,420	1 1/2	54,551	1 1/2	42,681	1 1/2	31,065	1 1/2	19,257	1 1/2	7,358	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2
3/4	66,173	3/4	54,304	3/4	42,434	3/4	30,826	3/4	19,010	3/4	7,110	3/4		3/4		3/4		3/4		3/4
6	65,925	6	54,056	6	42,187	6	30,586	6	18,762	6	6,862	6		6		6		6		6
1 1/4	65,679	1 1/4	53,809	1 1/4	41,939	1 1/4	30,345	1 1/4	18,514	1 1/4	6,614	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4
1 1/2	65,431	1 1/2	53,562	1 1/2	41,692	1 1/2	30,105	1 1/2	18,266	1 1/2	6,366	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2
3/4	65,184	3/4	53,314	3/4	41,445	3/4	29,864	3/4	18,018	3/4	6,118	3/4		3/4		3/4		3/4		3/4
7	64,937	7	53,067	7	41,198	7	29,623	7	17,770	7	5,871	7		7		7		7		7
1 1/4	64,689	1 1/4	52,820	1 1/4	40,950	1 1/4	29,382	1 1/4	17,522	1 1/4	5,623	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4
1 1/2	64,442	1 1/2	52,573	1 1/2	40,703	1 1/2	29,141	1 1/2	17,275	1 1/2	5,375	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2
3/4	64,195	3/4	52,325	3/4	40,456	3/4	28,900	3/4	17,027	3/4	5,127	3/4		3/4		3/4		3/4		3/4
8	63,948	8	52,078	8	40,209	8	28,655	8	16,779	8	4,879	8		8		8		8		8
1 1/4	63,700	1 1/4	51,831	1 1/4	39,961	1 1/4	28,409	1 1/4	16,531	1 1/4	4,631	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4
1 1/2	63,453	1 1/2	51,583	1 1/2	39,714	1 1/2	28,163	1 1/2	16,283	1 1/2	4,383	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2
3/4	63,206	3/4	51,336	3/4	39,467	3/4	27,917	3/4	16,035	3/4	4,135	3/4		3/4		3/4		3/4		3/4
9	62,958	9	51,089	9	39,219	9	27,670	9	15,787	9	3,887	9		9		9		9		9
1 1/4	62,711	1 1/4	50,842	1 1/4	38,972	1 1/4	27,422	1 1/4	15,539	1 1/4	3,640	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4
1 1/2	62,464	1 1/2	50,594	1 1/2	38,725	1 1/2	27,175	1 1/2	15,291	1 1/2	3,392	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2
3/4	62,217	3/4	50,347	3/4	38,478	3/4	26,927	3/4	15,043	3/4	3,144	3/4		3/4		3/4		3/4		3/4
10	61,969	10	50,100	10	38,237	10	26,680	10	14,796	10	2,897	10		10		10		10		10
1 1/4	61,722	1 1/4	49,853	1 1/4	37,998	1 1/4	26,433	1 1/4	14,548	1 1/4	2,650	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4
1 1/2	61,475	1 1/2	49,605	1 1/2	37,755	1 1/2	26,185	1 1/2	14,300	1 1/2	2,403	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2
3/4	61,227	3/4	49,358	3/4	37,514	3/4	25,938	3/4	14,052	3/4	2,156	3/4		3/4		3/4		3/4		3/4
11	60,980	11	49,111	11	37,275	11	25,690	11	13,804	11	1,919	11		11		11		11		11
1 1/4	60,733	1 1/4	48,863	1 1/4	37,036	1 1/4	25,443	1 1/4	13,556	1 1/4	1,682	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4
1 1/2	60,486	1 1/2	48,616	1 1/2	36,797	1 1/2	25,195	1 1/2	13,308	1 1/2	1,445	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2
3/4	60,238	3/4	48,369	3/4	36,558	3/4	24,948	3/4	13,060	3/4	1,207	3/4		3/4		3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/01/2019 JS
CALCULATED: 08/02/2019 CL
PRINTED: 03/02/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77586
http://www.pmacorp.net



BARGE "IB 1300"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-02 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		
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	0	0	0	0	144,800	0	134,547	0	124,294	0	114,042	0	103,789	0	93,536	0	83,284	0	73,031	
1/4	1/4	1/4	1/4	1/4	144,588	1/4	134,333	1/4	124,081	1/4	113,828	1/4	103,575	1/4	93,323	1/4	83,070	1/4	72,817	
1/2	1/2	153,333	1/2	144,372	1/2	134,120	1/2	123,867	1/2	113,614	1/2	103,362	1/2	93,110	1/2	82,858	1/2	72,604	1/2	72,604
3/4	3/4	153,316	3/4	144,159	3/4	133,906	3/4	123,653	3/4	113,401	3/4	103,148	3/4	92,895	3/4	82,643	3/4	72,390	3/4	72,390
1	1	153,258	1	143,945	1	133,693	1	123,440	1	113,187	1	102,935	1	92,682	1	82,429	1	72,177	1	72,177
1 1/4	1 1/4	153,200	1 1/4	143,732	1 1/4	133,479	1 1/4	123,226	1 1/4	112,974	1 1/4	102,721	1 1/4	92,468	1 1/4	82,216	1 1/4	71,963	1 1/4	71,963
1 1/2	1 1/2	153,142	1 1/2	143,518	1 1/2	133,265	1 1/2	123,013	1 1/2	112,760	1 1/2	102,507	1 1/2	92,255	1 1/2	82,002	1 1/2	71,749	1 1/2	71,749
1 3/4	1 3/4	153,084	1 3/4	143,304	1 3/4	133,052	1 3/4	122,799	1 3/4	112,546	1 3/4	102,294	1 3/4	92,041	1 3/4	81,788	1 3/4	71,536	1 3/4	71,536
2	2	152,960	2	143,091	2	132,838	2	122,586	2	112,333	2	102,080	2	91,827	2	81,575	2	71,322	2	71,322
2 1/4	2 1/4	152,835	2 1/4	142,877	2 1/4	132,625	2 1/4	122,372	2 1/4	112,119	2 1/4	101,867	2 1/4	91,614	2 1/4	81,361	2 1/4	71,109	2 1/4	71,109
2 1/2	2 1/2	152,710	2 1/2	142,664	2 1/2	132,411	2 1/2	122,158	2 1/2	111,906	2 1/2	101,653	2 1/2	91,400	2 1/2	81,148	2 1/2	70,895	2 1/2	70,895
2 3/4	2 3/4	152,586	2 3/4	142,450	2 3/4	132,197	2 3/4	121,945	2 3/4	111,692	2 3/4	101,439	2 3/4	91,187	2 3/4	80,934	2 3/4	70,681	2 3/4	70,681
3	3	152,398	3	142,236	3	131,984	3	121,731	3	111,478	3	101,226	3	90,973	3	80,720	3	70,468	3	70,468
3 1/4	3 1/4	152,209	3 1/4	142,023	3 1/4	131,770	3 1/4	121,518	3 1/4	111,265	3 1/4	101,012	3 1/4	90,759	3 1/4	80,507	3 1/4	70,254	3 1/4	70,254
3 1/2	3 1/2	152,021	3 1/2	141,809	3 1/2	131,557	3 1/2	121,304	3 1/2	111,051	3 1/2	100,799	3 1/2	90,546	3 1/2	80,293	3 1/2	70,041	3 1/2	70,041
3 3/4	3 3/4	151,833	3 3/4	141,596	3 3/4	131,343	3 3/4	121,090	3 3/4	110,838	3 3/4	100,586	3 3/4	90,332	3 3/4	80,080	3 3/4	69,827	3 3/4	69,827
4	4	151,623	4	141,382	4	131,129	4	120,877	4	110,624	4	100,371	4	90,119	4	79,866	4	69,613	4	69,613
4 1/4	4 1/4	151,413	4 1/4	141,168	4 1/4	130,916	4 1/4	120,663	4 1/4	110,410	4 1/4	100,158	4 1/4	89,905	4 1/4	79,652	4 1/4	69,400	4 1/4	69,400
4 1/2	4 1/2	151,202	4 1/2	140,955	4 1/2	130,702	4 1/2	120,450	4 1/2	110,197	4 1/2	99,944	4 1/2	89,691	4 1/2	79,439	4 1/2	69,186	4 1/2	69,186
4 3/4	4 3/4	150,992	4 3/4	140,741	4 3/4	130,489	4 3/4	120,236	4 3/4	109,983	4 3/4	99,731	4 3/4	89,478	4 3/4	79,225	4 3/4	68,973	4 3/4	68,973
5	5	150,779	5	140,528	5	130,275	5	120,022	5	109,770	5	99,517	5	89,264	5	79,012	5	68,759	5	68,759
5 1/4	5 1/4	150,566	5 1/4	140,314	5 1/4	130,061	5 1/4	119,809	5 1/4	109,556	5 1/4	99,303	5 1/4	89,051	5 1/4	78,798	5 1/4	68,545	5 1/4	68,545
5 1/2	5 1/2	150,352	5 1/2	140,100	5 1/2	129,848	5 1/2	119,595	5 1/2	109,342	5 1/2	99,090	5 1/2	88,837	5 1/2	78,584	5 1/2	68,332	5 1/2	68,332
5 3/4	5 3/4	150,139	5 3/4	139,887	5 3/4	129,634	5 3/4	119,382	5 3/4	109,129	5 3/4	98,876	5 3/4	88,624	5 3/4	78,371	5 3/4	68,118	5 3/4	68,118
6	6	149,926	6	139,673	6	129,421	6	119,168	6	108,915	6	98,663	6	88,410	6	78,157	6	67,905	6	67,905
6 1/4	6 1/4	149,712	6 1/4	139,460	6 1/4	129,207	6 1/4	118,954	6 1/4	108,702	6 1/4	98,449	6 1/4	88,196	6 1/4	77,944	6 1/4	67,691	6 1/4	67,691
6 1/2	6 1/2	149,499	6 1/2	139,246	6 1/2	128,993	6 1/2	118,741	6 1/2	108,488	6 1/2	98,236	6 1/2	87,983	6 1/2	77,730	6 1/2	67,477	6 1/2	67,477
6 3/4	6 3/4	149,286	6 3/4	139,032	6 3/4	128,780	6 3/4	118,527	6 3/4	108,274	6 3/4	98,022	6 3/4	87,769	6 3/4	77,516	6 3/4	67,264	6 3/4	67,264
7	7	149,072	7	138,819	7	128,566	7	118,314	7	108,061	7	97,808	7	87,556	7	77,303	7	67,050	7	67,050
7 1/4	7 1/4	148,858	7 1/4	138,605	7 1/4	128,353	7 1/4	118,100	7 1/4	107,847	7 1/4	97,595	7 1/4	87,342	7 1/4	77,089	7 1/4	66,837	7 1/4	66,837
7 1/2	7 1/2	148,644	7 1/2	138,392	7 1/2	128,139	7 1/2	117,886	7 1/2	107,634	7 1/2	97,381	7 1/2	87,128	7 1/2	76,876	7 1/2	66,623	7 1/2	66,623
7 3/4	7 3/4	148,431	7 3/4	138,178	7 3/4	127,925	7 3/4	117,673	7 3/4	107,420	7 3/4	97,167	7 3/4	86,915	7 3/4	76,662	7 3/4	66,409	7 3/4	66,409
8	8	148,217	8	137,965	8	127,712	8	117,459	8	107,206	8	96,954	8	86,701	8	76,448	8	66,196	8	66,196
8 1/4	8 1/4	148,004	8 1/4	137,751	8 1/4	127,498	8 1/4	117,246	8 1/4	106,993	8 1/4	96,740	8 1/4	86,488	8 1/4	76,235	8 1/4	65,982	8 1/4	65,982
8 1/2	8 1/2	147,790	8 1/2	137,537	8 1/2	127,285	8 1/2	117,032	8 1/2	106,779	8 1/2	96,527	8 1/2	86,274	8 1/2	76,021	8 1/2	65,769	8 1/2	65,769
8 3/4	8 3/4	147,576	8 3/4	137,324	8 3/4	127,071	8 3/4	116,818	8 3/4	106,566	8 3/4	96,313	8 3/4	86,060	8 3/4	75,808	8 3/4	65,555	8 3/4	65,555
9	9	147,363	9	137,110	9	126,857	9	116,605	9	106,352	9	96,099	9	85,847	9	75,594	9	65,341	9	65,341
9 1/4	9 1/4	147,149	9 1/4	136,897	9 1/4	126,644	9 1/4	116,391	9 1/4	106,138	9 1/4	95,886	9 1/4	85,633	9 1/4	75,380	9 1/4	65,128	9 1/4	65,128
9 1/2	9 1/2	146,936	9 1/2	136,683	9 1/2	126,430	9 1/2	116,178	9 1/2	105,925	9 1/2	95,672	9 1/2	85,420	9 1/2	75,167	9 1/2	64,914	9 1/2	64,914
9 3/4	9 3/4	146,722	9 3/4	136,469	9 3/4	126,217	9 3/4	115,964	9 3/4	105,711	9 3/4	95,459	9 3/4	85,206	9 3/4	74,953	9 3/4	64,701	9 3/4	64,701
10	10	146,508	10	136,256	10	126,003	10	115,750	10	105,498	10	95,245	10	84,992	10	74,740	10	64,487	10	64,487
10 1/4	10 1/4	146,295	10 1/4	136,042	10 1/4	125,789	10 1/4	115,537	10 1/4	105,284	10 1/4	95,031	10 1/4	84,779	10 1/4	74,526	10 1/4	64,273	10 1/4	64,273
10 1/2	10 1/2	146,081	10 1/2	135,829	10 1/2	125,576	10 1/2	115,323	10 1/2	105,071	10 1/2	94,818	10 1/2	84,565	10 1/2	74,312	10 1/2	64,060	10 1/2	64,060
10 3/4	10 3/4	145,868	10 3/4	135,615	10 3/4	125,362	10 3/4	115,110	10 3/4	104,857	10 3/4	94,604	10 3/4	84,352	10 3/4	74,099	10 3/4	63,846	10 3/4	63,846
11	11	145,654	11	135,401	11	125,149	11	114,896	11	104,643	11	94,391	11	84,138	11	73,885	11	63,633	11	63,633
11 1/4	11 1/4	145,440	11 1/4	135,188	11 1/4	124,935	11 1/4	114,682	11 1/4	104,430	11 1/4	94,177	11 1/4	83,924	11 1/4	73,672	11 1/4	63,419	11 1/4	63,419
11 1/2	11 1/2	145,227	11 1/2	134,974	11 1/2	124,721	11 1/2	114,469	11 1/2	104,216	11 1/2	93,963	11 1/2	83,711	11 1/2	73,458	11 1/2	63,205	11 1/2	63,205
11 3/4	11 3/4	145,013	11 3/4	134,761	11 3/4	124,508	11 3/4	114,255	11 3/4	104,003	11 3/4	93,750	11 3/4	83,497	11 3/4	73,244	11 3/4	62,992	11 3/4	62,992

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 27
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 23'-06" FORWARD OF AFT BULKHEAD

CERTIFIED CHART FOR THE ABOVE NAMED TANK



BARGE "IB 1300"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-02 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	82,778	0	82,526	0	42,273	0	32,045	0	22,020	0	11,768	0	1,529	0		0			
1/4	82,565	1/4	82,312	1/4	42,059	1/4	31,838	1/4	21,807	1/4	11,554	1/4	1,325	1/4					
1/2	82,351	1/2	82,098	1/2	41,846	1/2	31,630	1/2	21,593	1/2	11,341	1/2	1,120	1/2					
3/4	82,137	3/4	81,885	3/4	41,632	3/4	31,423	3/4	21,379	3/4	11,127	3/4	916	3/4					
1	81,924	1	81,671	1	41,418	1	31,216	1	21,166	1	10,914	1	769	1					
1 1/4	81,710	1 1/4	81,458	1 1/4	41,205	1 1/4	31,008	1 1/4	20,952	1 1/4	10,700	1 1/4	623	1 1/4					
1 1/2	81,497	1 1/2	81,244	1 1/2	40,991	1 1/2	30,801	1 1/2	20,739	1 1/2	10,486	1 1/2	476	1 1/2					
1 3/4	81,283	1 3/4	81,030	1 3/4	40,778	1 3/4	30,594	1 3/4	20,525	1 3/4	10,273	1 3/4	330	1 3/4					
2	81,069	2	80,817	2	40,564	2	30,386	2	20,311	2	10,059	2	256	2					
2 1/4	80,856	2 1/4	80,603	2 1/4	40,350	2 1/4	30,179	2 1/4	20,098	2 1/4	9,846	2 1/4	202	2 1/4					
2 1/2	80,642	2 1/2	80,390	2 1/2	40,137	2 1/2	29,972	2 1/2	19,884	2 1/2	9,632	2 1/2	138	2 1/2					
2 3/4	80,429	2 3/4	80,176	2 3/4	39,923	2 3/4	29,764	2 3/4	19,671	2 3/4	9,418	2 3/4	74	2 3/4					
3	80,215	3	79,962	3	39,710	3	29,557	3	19,457	3	9,205	3		3					
3 1/4	80,001	3 1/4	79,749	3 1/4	39,496	3 1/4	29,350	3 1/4	19,243	3 1/4	8,991	3 1/4							
3 1/2	79,788	3 1/2	79,535	3 1/2	39,283	3 1/2	29,142	3 1/2	19,030	3 1/2	8,778	3 1/2							
3 3/4	79,574	3 3/4	79,322	3 3/4	39,069	3 3/4	28,935	3 3/4	18,816	3 3/4	8,564	3 3/4							
4	79,361	4	79,108	4	38,855	4	28,728	4	18,603	4	8,350	4							
4 1/4	79,147	4 1/4	78,894	4 1/4	38,642	4 1/4	28,520	4 1/4	18,389	4 1/4	8,137	4 1/4							
4 1/2	78,933	4 1/2	78,681	4 1/2	38,428	4 1/2	28,313	4 1/2	18,176	4 1/2	7,923	4 1/2							
4 3/4	78,720	4 3/4	78,467	4 3/4	38,215	4 3/4	28,106	4 3/4	17,962	4 3/4	7,710	4 3/4							
5	78,506	5	78,254	5	38,001	5	27,898	5	17,748	5	7,496	5							
5 1/4	78,293	5 1/4	78,040	5 1/4	37,787	5 1/4	27,691	5 1/4	17,535	5 1/4	7,283	5 1/4							
5 1/2	78,079	5 1/2	77,826	5 1/2	37,574	5 1/2	27,484	5 1/2	17,321	5 1/2	7,069	5 1/2							
5 3/4	77,865	5 3/4	77,613	5 3/4	37,360	5 3/4	27,276	5 3/4	17,108	5 3/4	6,855	5 3/4							
6	77,652	6	77,399	6	37,147	6	27,069	6	16,894	6	6,642	6							
6 1/4	77,438	6 1/4	77,186	6 1/4	36,933	6 1/4	26,862	6 1/4	16,680	6 1/4	6,428	6 1/4							
6 1/2	77,225	6 1/2	76,972	6 1/2	36,719	6 1/2	26,655	6 1/2	16,467	6 1/2	6,215	6 1/2							
6 3/4	77,011	6 3/4	76,758	6 3/4	36,506	6 3/4	26,447	6 3/4	16,253	6 3/4	6,001	6 3/4							
7	76,797	7	76,545	7	36,292	7	26,240	7	16,040	7	5,787	7							
7 1/4	76,584	7 1/4	76,331	7 1/4	36,079	7 1/4	26,033	7 1/4	15,826	7 1/4	5,574	7 1/4							
7 1/2	76,370	7 1/2	76,118	7 1/2	35,865	7 1/2	25,826	7 1/2	15,612	7 1/2	5,360	7 1/2							
7 3/4	76,157	7 3/4	75,904	7 3/4	35,651	7 3/4	25,619	7 3/4	15,399	7 3/4	5,147	7 3/4							
8	75,943	8	75,690	8	35,438	8	25,412	8	15,185	8	4,933	8							
8 1/4	75,730	8 1/4	75,477	8 1/4	35,224	8 1/4	25,204	8 1/4	14,972	8 1/4	4,719	8 1/4							
8 1/2	75,516	8 1/2	75,263	8 1/2	35,011	8 1/2	24,997	8 1/2	14,758	8 1/2	4,506	8 1/2							
8 3/4	75,302	8 3/4	75,050	8 3/4	34,797	8 3/4	24,790	8 3/4	14,545	8 3/4	4,292	8 3/4							
9	75,089	9	74,836	9	34,583	9	24,578	9	14,331	9	4,079	9							
9 1/4	74,875	9 1/4	74,622	9 1/4	34,370	9 1/4	24,366	9 1/4	14,117	9 1/4	3,865	9 1/4							
9 1/2	74,662	9 1/2	74,409	9 1/2	34,156	9 1/2	24,154	9 1/2	13,904	9 1/2	3,652	9 1/2							
9 3/4	74,448	9 3/4	74,195	9 3/4	33,943	9 3/4	23,942	9 3/4	13,690	9 3/4	3,438	9 3/4							
10	74,234	10	73,982	10	33,729	10	23,729	10	13,477	10	3,225	10							
10 1/4	74,021	10 1/4	73,768	10 1/4	33,515	10 1/4	23,515	10 1/4	13,263	10 1/4	3,011	10 1/4							
10 1/2	73,807	10 1/2	73,554	10 1/2	33,302	10 1/2	23,302	10 1/2	13,049	10 1/2	2,798	10 1/2							
10 3/4	73,594	10 3/4	73,341	10 3/4	33,088	10 3/4	23,088	10 3/4	12,836	10 3/4	2,584	10 3/4							
11	73,380	11	73,127	11	32,879	11	22,874	11	12,622	11	2,372	11							
11 1/4	73,166	11 1/4	72,914	11 1/4	32,670	11 1/4	22,661	11 1/4	12,409	11 1/4	2,159	11 1/4							
11 1/2	72,953	11 1/2	72,700	11 1/2	32,461	11 1/2	22,447	11 1/2	12,195	11 1/2	1,946	11 1/2							
11 3/4	72,739	11 3/4	72,486	11 3/4	32,253	11 3/4	22,234	11 3/4	11,981	11 3/4	1,733	11 3/4							

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/01/2019 JS
CALCULATED: 08/02/2019 CL
PRINTED: 08/02/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2032
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<http://www.pimacorp.net>



BARGE "IB 1300"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-02 1/4"

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		154,849		145,812		135,472		125,133		114,794		104,454		94,115		83,775		73,438	
1/8	1/4	154,831	1/4	145,597	1/4	135,257	1/4	124,918	1/4	114,578	1/4	104,239	1/4	93,899	1/4	83,560	1/4	73,220	1/4
1/2	1/2	154,772	1/2	145,381	1/2	135,042	1/2	124,702	1/2	114,363	1/2	104,023	1/2	93,684	1/2	83,344	1/2	73,005	1/2
3/4	3/4	154,714	3/4	145,186	3/4	134,826	3/4	124,467	3/4	114,147	3/4	103,808	3/4	93,469	3/4	83,129	3/4	72,790	3/4
1	1	154,656	1	144,980	1	134,511	1	124,271	1	113,932	1	103,593	1	93,253	1	82,914	1	72,574	1
1 1/8	1 1/4	154,597	1 1/4	144,735	1 1/4	134,395	1 1/4	124,056	1 1/4	113,717	1 1/4	103,377	1 1/4	93,038	1 1/4	82,698	1 1/4	72,359	1 1/4
1 1/2	1 1/2	154,472	1 1/2	144,520	1 1/2	134,180	1 1/2	123,841	1 1/2	113,501	1 1/2	103,162	1 1/2	92,822	1 1/2	82,483	1 1/2	72,143	1 1/2
1 3/4	1 3/4	154,346	1 3/4	144,304	1 3/4	133,985	1 3/4	123,625	1 3/4	113,286	1 3/4	102,946	1 3/4	92,607	1 3/4	82,267	1 3/4	71,928	1 3/4
2	2	154,221	2	144,088	2	133,749	2	123,410	2	113,070	2	102,731	2	92,391	2	82,052	2	71,713	2
2 1/8	2 1/4	154,095	2 1/4	143,873	2 1/4	133,534	2 1/4	123,194	2 1/4	112,855	2 1/4	102,516	2 1/4	92,176	2 1/4	81,837	2 1/4	71,497	2 1/4
2 1/2	2 1/2	153,905	2 1/2	143,658	2 1/2	133,316	2 1/2	122,979	2 1/2	112,640	2 1/2	102,300	2 1/2	91,981	2 1/2	81,621	2 1/2	71,282	2 1/2
2 3/4	2 3/4	153,715	2 3/4	143,442	2 3/4	133,103	2 3/4	122,764	2 3/4	112,424	2 3/4	102,085	2 3/4	91,745	2 3/4	81,406	2 3/4	71,086	2 3/4
3	3	153,528	3	143,227	3	132,888	3	122,548	3	112,209	3	101,869	3	91,530	3	81,190	3	70,851	3
3 1/8	3 1/4	153,338	3 1/4	143,012	3 1/4	132,672	3 1/4	122,333	3 1/4	111,993	3 1/4	101,654	3 1/4	91,314	3 1/4	80,975	3 1/4	70,636	3 1/4
3 1/2	3 1/2	153,124	3 1/2	142,796	3 1/2	132,457	3 1/2	122,117	3 1/2	111,778	3 1/2	101,439	3 1/2	91,099	3 1/2	80,760	3 1/2	70,420	3 1/2
3 3/4	3 3/4	152,912	3 3/4	142,581	3 3/4	132,241	3 3/4	121,902	3 3/4	111,563	3 3/4	101,223	3 3/4	90,884	3 3/4	80,544	3 3/4	70,205	3 3/4
4	4	152,700	4	142,365	4	132,026	4	121,687	4	111,347	4	101,008	4	90,668	4	80,329	4	69,989	4
4 1/8	4 1/4	152,488	4 1/4	142,150	4 1/4	131,811	4 1/4	121,471	4 1/4	111,132	4 1/4	100,792	4 1/4	90,453	4 1/4	80,113	4 1/4	69,774	4 1/4
4 1/2	4 1/2	152,273	4 1/2	141,935	4 1/2	131,595	4 1/2	121,256	4 1/2	110,916	4 1/2	100,577	4 1/2	90,237	4 1/2	79,898	4 1/2	69,559	4 1/2
4 3/4	4 3/4	152,058	4 3/4	141,719	4 3/4	131,380	4 3/4	121,040	4 3/4	110,701	4 3/4	100,361	4 3/4	90,022	4 3/4	79,683	4 3/4	69,343	4 3/4
5	5	151,843	5	141,504	5	131,164	5	120,825	5	110,486	5	100,146	5	89,807	5	79,467	5	69,128	5
5 1/8	5 1/4	151,628	5 1/4	141,288	5 1/4	130,949	5 1/4	120,610	5 1/4	110,270	5 1/4	99,931	5 1/4	89,591	5 1/4	79,252	5 1/4	68,912	5 1/4
5 1/2	5 1/2	151,412	5 1/2	141,073	5 1/2	130,734	5 1/2	120,394	5 1/2	110,055	5 1/2	99,715	5 1/2	89,376	5 1/2	79,036	5 1/2	68,697	5 1/2
5 3/4	5 3/4	151,197	5 3/4	140,858	5 3/4	130,518	5 3/4	120,179	5 3/4	109,839	5 3/4	99,500	5 3/4	89,160	5 3/4	78,821	5 3/4	68,482	5 3/4
6	6	150,982	6	140,642	6	130,303	6	119,963	6	109,624	6	99,284	6	88,945	6	78,606	6	68,268	6
6 1/8	6 1/4	150,766	6 1/4	140,427	6 1/4	130,087	6 1/4	119,748	6 1/4	109,408	6 1/4	99,069	6 1/4	88,730	6 1/4	78,390	6 1/4	68,051	6 1/4
6 1/2	6 1/2	150,551	6 1/2	140,211	6 1/2	129,872	6 1/2	119,533	6 1/2	109,193	6 1/2	98,854	6 1/2	88,514	6 1/2	78,175	6 1/2	67,836	6 1/2
6 3/4	6 3/4	150,336	6 3/4	139,996	6 3/4	129,657	6 3/4	119,317	6 3/4	108,978	6 3/4	98,638	6 3/4	88,299	6 3/4	77,959	6 3/4	67,620	6 3/4
7	7	150,120	7	139,781	7	129,441	7	119,102	7	108,762	7	98,423	7	88,083	7	77,744	7	67,405	7
7 1/8	7 1/4	149,905	7 1/4	139,565	7 1/4	129,226	7 1/4	118,886	7 1/4	108,547	7 1/4	98,207	7 1/4	87,868	7 1/4	77,529	7 1/4	67,189	7 1/4
7 1/2	7 1/2	149,689	7 1/2	139,350	7 1/2	129,010	7 1/2	118,671	7 1/2	108,331	7 1/2	97,992	7 1/2	87,663	7 1/2	77,313	7 1/2	66,974	7 1/2
7 3/4	7 3/4	149,474	7 3/4	139,134	7 3/4	128,795	7 3/4	118,456	7 3/4	108,116	7 3/4	97,777	7 3/4	87,437	7 3/4	77,098	7 3/4	66,758	7 3/4
8	8	149,258	8	138,919	8	128,580	8	118,240	8	107,901	8	97,561	8	87,222	8	76,882	8	66,543	8
8 1/8	8 1/4	149,043	8 1/4	138,704	8 1/4	128,364	8 1/4	118,025	8 1/4	107,685	8 1/4	97,346	8 1/4	87,006	8 1/4	76,667	8 1/4	66,327	8 1/4
8 1/2	8 1/2	148,828	8 1/2	138,488	8 1/2	128,149	8 1/2	117,809	8 1/2	107,470	8 1/2	97,130	8 1/2	86,791	8 1/2	76,452	8 1/2	66,112	8 1/2
8 3/4	8 3/4	148,612	8 3/4	138,273	8 3/4	127,933	8 3/4	117,594	8 3/4	107,254	8 3/4	96,915	8 3/4	86,576	8 3/4	76,236	8 3/4	65,897	8 3/4
9	9	148,397	9	138,057	9	127,718	9	117,378	9	107,039	9	96,700	9	86,360	9	76,021	9	65,681	9
9 1/8	9 1/4	148,181	9 1/4	137,842	9 1/4	127,503	9 1/4	117,163	9 1/4	106,824	9 1/4	96,484	9 1/4	86,145	9 1/4	75,805	9 1/4	65,466	9 1/4
9 1/2	9 1/2	147,966	9 1/2	137,627	9 1/2	127,287	9 1/2	116,948	9 1/2	106,608	9 1/2	96,269	9 1/2	85,929	9 1/2	75,590	9 1/2	65,250	9 1/2
9 3/4	9 3/4	147,751	9 3/4	137,411	9 3/4	127,072	9 3/4	116,732	9 3/4	106,393	9 3/4	96,053	9 3/4	85,714	9 3/4	75,375	9 3/4	65,035	9 3/4
10	10	147,535	10	137,196	10	126,856	10	116,517	10	106,177	10	95,838	10	85,499	10	75,159	10	64,820	10
10 1/8	10 1/4	147,320	10 1/4	136,980	10 1/4	126,641	10 1/4	116,301	10 1/4	105,962	10 1/4	95,623	10 1/4	85,283	10 1/4	74,944	10 1/4	64,604	10 1/4
10 1/2	10 1/2	147,104	10 1/2	136,765	10 1/2	126,425	10 1/2	116,086	10 1/2	105,747	10 1/2	95,407	10 1/2	85,068	10 1/2	74,728	10 1/2	64,389	10 1/2
10 3/4	10 3/4	146,889	10 3/4	136,550	10 3/4	126,210	10 3/4	115,871	10 3/4	105,531	10 3/4	95,192	10 3/4	84,862	10 3/4	74,513	10 3/4	64,173	10 3/4
11	11	146,674	11	136,334	11	125,995	11	115,655	11	105,316	11	94,976	11	84,637	11	74,297	11	63,958	11
11 1/8	11 1/4	146,458	11 1/4	136,119	11 1/4	125,779	11 1/4	115,440	11 1/4	105,100	11 1/4	94,761	11 1/4	84,422	11 1/4	74,082	11 1/4	63,743	11 1/4
11 1/2	11 1/2	146,243	11 1/2	135,903	11 1/2	125,564	11 1/2	115,224	11 1/2	104,885	11 1/2	94,546	11 1/2	84,206	11 1/2	73,867	11 1/2	63,527	11 1/2
11 3/4	11 3/4	146,027	11 3/4	135,688	11 3/4	125,348	11 3/4	115,009	11 3/4	104,670	11 3/4	94,330	11 3/4	83,991	11 3/4	73,651	11 3/4	63,312	11 3/4

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH NPMs 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 ULLAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE
GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 17'-06" FORWARD OF AFT BULKHEAD

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 1300"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-02 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	63,096	0	62,787	0	62,418	0	62,082	0	61,776	0	61,436	0	61,129	0	60,810	0	60,525	0	60,270
1/4	62,861	1/4	62,542	1/4	62,202	1/4	61,868	1/4	61,580	1/4	61,221	1/4	60,923	1/4	60,660	1/4	60,420	1/4	60,200
1/2	62,666	1/2	62,326	1/2	61,987	1/2	61,653	1/2	61,345	1/2	61,006	1/2	60,776	1/2	60,570	1/2	60,380	1/2	60,210
3/4	62,450	3/4	62,111	3/4	61,771	3/4	61,439	3/4	61,129	3/4	60,790	3/4	60,528	3/4	60,300	3/4	60,100	3/4	60,000
1	62,235	1	61,895	1	61,556	1	61,224	1	60,914	1	60,575	1	60,320	1	60,100	1	60,000	1	60,000
1 1/4	62,019	1 1/4	61,680	1 1/4	61,341	1 1/4	61,010	1 1/4	60,698	1 1/4	60,359	1 1/4	60,100	1 1/4	60,000	1 1/4	60,000	1 1/4	60,000
1 1/2	61,804	1 1/2	61,465	1 1/2	61,125	1 1/2	60,795	1 1/2	60,483	1 1/2	60,144	1 1/2	60,000	1 1/2	60,000	1 1/2	60,000	1 1/2	60,000
3/4	61,589	3/4	61,249	3/4	60,910	3/4	60,581	3/4	60,268	3/4	60,000	3/4	60,000	3/4	60,000	3/4	60,000	3/4	60,000
2	61,373	2	61,034	2	60,694	2	60,366	2	60,052	2	9,713	2	138	2	2	2	2	2	2
1 1/4	61,158	1 1/4	60,818	1 1/4	60,479	1 1/4	60,152	1 1/4	19,837	1 1/4	9,498	1 1/4	74	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	60,942	1 1/2	60,603	1 1/2	60,263	1 1/2	29,937	1 1/2	19,821	1 1/2	9,282	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	60,727	3/4	60,388	3/4	60,048	3/4	29,723	3/4	19,406	3/4	9,067	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	60,512	3	60,172	3	39,833	3	29,509	3	19,191	3	8,852	3	3	3	3	3	3	3	3
1 1/4	60,296	1 1/4	49,957	1 1/4	39,617	1 1/4	29,294	1 1/4	18,975	1 1/4	8,636	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	60,081	1 1/2	49,741	1 1/2	39,402	1 1/2	29,080	1 1/2	18,760	1 1/2	8,421	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	59,865	3/4	49,525	3/4	39,186	3/4	28,865	3/4	18,544	3/4	8,205	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	59,650	4	49,310	4	38,971	4	28,651	4	18,329	4	7,990	4	4	4	4	4	4	4	4
1 1/4	59,435	1 1/4	49,095	1 1/4	38,756	1 1/4	28,436	1 1/4	18,114	1 1/4	7,775	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	59,219	1 1/2	48,880	1 1/2	38,540	1 1/2	28,222	1 1/2	17,898	1 1/2	7,559	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	59,004	3/4	48,664	3/4	38,325	3/4	28,007	3/4	17,683	3/4	7,344	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	58,788	5	48,449	5	38,109	5	27,793	5	17,468	5	7,129	5	5	5	5	5	5	5	5
1 1/4	58,573	1 1/4	48,233	1 1/4	37,894	1 1/4	27,579	1 1/4	17,252	1 1/4	6,913	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	58,358	1 1/2	48,018	1 1/2	37,679	1 1/2	27,364	1 1/2	17,037	1 1/2	6,698	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	58,142	3/4	47,803	3/4	37,463	3/4	27,150	3/4	16,821	3/4	6,482	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	57,927	6	47,587	6	37,248	6	26,935	6	16,606	6	6,267	6	6	6	6	6	6	6	6
1 1/4	57,711	1 1/4	47,372	1 1/4	37,032	1 1/4	26,721	1 1/4	16,391	1 1/4	6,052	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	57,496	1 1/2	47,156	1 1/2	36,817	1 1/2	26,506	1 1/2	16,175	1 1/2	5,836	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	57,280	3/4	46,941	3/4	36,602	3/4	26,292	3/4	15,960	3/4	5,621	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	57,065	7	46,726	7	36,386	7	26,078	7	15,744	7	5,405	7	7	7	7	7	7	7	7
1 1/4	56,850	1 1/4	46,510	1 1/4	36,171	1 1/4	25,863	1 1/4	15,529	1 1/4	5,190	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	56,634	1 1/2	46,295	1 1/2	35,955	1 1/2	25,649	1 1/2	15,314	1 1/2	4,976	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	56,419	3/4	46,079	3/4	35,740	3/4	25,434	3/4	15,098	3/4	4,759	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	56,203	8	45,864	8	35,525	8	25,220	8	14,883	8	4,544	8	8	8	8	8	8	8	8
1 1/4	55,988	1 1/4	45,649	1 1/4	35,309	1 1/4	25,005	1 1/4	14,667	1 1/4	4,328	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	55,773	1 1/2	45,433	1 1/2	35,094	1 1/2	24,790	1 1/2	14,452	1 1/2	4,113	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	55,557	3/4	45,218	3/4	34,878	3/4	24,575	3/4	14,237	3/4	3,898	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	55,342	9	45,002	9	34,663	9	24,360	9	14,021	9	3,682	9	9	9	9	9	9	9	9
1 1/4	55,126	1 1/4	44,787	1 1/4	34,448	1 1/4	24,145	1 1/4	13,806	1 1/4	3,467	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	54,911	1 1/2	44,572	1 1/2	34,232	1 1/2	23,929	1 1/2	13,590	1 1/2	3,252	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	54,696	3/4	44,356	3/4	34,017	3/4	23,714	3/4	13,375	3/4	3,036	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	54,480	10	44,141	10	33,801	10	23,499	10	13,160	10	2,821	10	10	10	10	10	10	10	10
1 1/4	54,265	1 1/4	43,925	1 1/4	33,586	1 1/4	23,283	1 1/4	12,944	1 1/4	2,606	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	54,049	1 1/2	43,710	1 1/2	33,371	1 1/2	23,068	1 1/2	12,729	1 1/2	2,391	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	53,834	3/4	43,495	3/4	33,156	3/4	22,852	3/4	12,513	3/4	2,177	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	53,619	11	43,279	11	32,941	11	22,637	11	12,298	11	1,962	11	11	11	11	11	11	11	11
1 1/4	53,403	1 1/4	43,064	1 1/4	32,726	1 1/4	22,422	1 1/4	12,083	1 1/4	1,748	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	53,188	1 1/2	42,848	1 1/2	32,512	1 1/2	22,206	1 1/2	11,867	1 1/2	1,542	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	52,972	3/4	42,633	3/4	32,297	3/4	21,991	3/4	11,652	3/4	1,336	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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CALCULATED: 08/02/2019 CL
PRINTED: 08/02/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2019

PRECISION MEASUREMENT
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