

6-11/09



BARGE "IB 1308"

ULLAGE 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	-00-1/2	00-1/2	-00-5/8	00-5/8	-00-7/8	00-7/8	-01-1/8	01-1/8	-01-3/8	01-3/8
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 ULLAGE GAUGE OF 4'-00" ON 2 CENTER, THE TRIM CORRECTED ULLAGE IS 4'-00 1/2"

LENGTH BETWEEN DRAFT MARKS: 163'-03"

September 4, 2019

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

<http://www.pmacorp.net>



BARGE "IB 1308"

1 CENTER ULLAGE 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	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	170,326	0	160,731	0	150,551	0	140,371	0	130,191	0	119,338	0	107,442	0	95,540	0	83,638	0
1/4	1/4	170,259	1/4	160,519	1/4	150,339	1/4	140,159	1/4	129,979	1/4	119,090	1/4	107,194	1/4	95,292	1/4	83,390	1/4
1/2	1/2	170,192	1/2	160,307	1/2	150,127	1/2	139,947	1/2	129,767	1/2	118,846	1/2	106,946	1/2	95,044	1/2	83,142	1/2
3/4	3/4	170,047	3/4	160,095	3/4	149,915	3/4	139,735	3/4	129,555	3/4	118,595	3/4	106,698	3/4	94,796	3/4	82,894	3/4
1	1	169,902	1	159,883	1	149,703	1	139,523	1	129,343	1	118,347	1	106,450	1	94,548	1	82,646	1
1/4	1/4	169,757	1/4	159,671	1/4	149,491	1/4	139,311	1/4	129,131	1/4	118,100	1/4	106,202	1/4	94,300	1/4	82,398	1/4
1/2	1/2	169,612	1/2	159,459	1/2	149,279	1/2	139,099	1/2	128,919	1/2	117,852	1/2	105,954	1/2	94,052	1/2	82,150	1/2
3/4	3/4	169,407	3/4	159,247	3/4	149,067	3/4	138,887	3/4	128,706	3/4	117,605	3/4	105,706	3/4	93,804	3/4	81,903	3/4
2	2	169,202	2	159,035	2	148,855	2	138,675	2	128,494	2	117,357	2	105,458	2	93,556	2	81,656	2
1/4	1/4	169,096	1/4	158,823	1/4	148,643	1/4	138,462	1/4	128,282	1/4	117,109	1/4	105,210	1/4	93,308	1/4	81,409	1/4
1/2	1/2	168,991	1/2	158,611	1/2	148,430	1/2	138,250	1/2	128,070	1/2	116,862	1/2	104,962	1/2	93,060	1/2	81,162	1/2
3/4	3/4	168,578	3/4	158,398	3/4	148,218	3/4	138,038	3/4	127,858	3/4	116,614	3/4	104,714	3/4	92,812	3/4	80,915	3/4
3	3	168,366	3	158,186	3	148,006	3	137,826	3	127,646	3	116,367	3	104,466	3	92,564	3	80,668	3
1/4	1/4	168,153	1/4	157,974	1/4	147,794	1/4	137,614	1/4	127,434	1/4	116,119	1/4	104,218	1/4	92,316	1/4	80,421	1/4
1/2	1/2	167,940	1/2	157,762	1/2	147,582	1/2	137,402	1/2	127,222	1/2	115,871	1/2	103,970	1/2	92,069	1/2	80,174	1/2
3/4	3/4	167,728	3/4	157,550	3/4	147,370	3/4	137,190	3/4	127,010	3/4	115,624	3/4	103,722	3/4	91,821	3/4	79,927	3/4
4	4	167,517	4	157,338	4	147,158	4	136,978	4	126,798	4	115,376	4	103,474	4	91,573	4	79,680	4
1/4	1/4	167,305	1/4	157,126	1/4	146,946	1/4	136,766	1/4	126,586	1/4	115,128	1/4	103,226	1/4	91,325	1/4	79,434	1/4
1/2	1/2	167,094	1/2	156,914	1/2	146,734	1/2	136,554	1/2	126,374	1/2	114,880	1/2	102,978	1/2	91,077	1/2	79,187	1/2
3/4	3/4	166,882	3/4	156,702	3/4	146,522	3/4	136,342	3/4	126,161	3/4	114,632	3/4	102,730	3/4	90,829	3/4	78,940	3/4
5	5	166,670	5	156,490	5	146,310	5	136,129	5	125,949	5	114,384	5	102,482	5	90,581	5	78,693	5
1/4	1/4	166,458	1/4	156,278	1/4	146,098	1/4	135,917	1/4	125,737	1/4	114,136	1/4	102,235	1/4	90,333	1/4	78,446	1/4
1/2	1/2	166,246	1/2	156,066	1/2	145,885	1/2	135,705	1/2	125,526	1/2	113,888	1/2	101,987	1/2	90,085	1/2	78,199	1/2
3/4	3/4	166,034	3/4	155,853	3/4	145,673	3/4	135,493	3/4	125,313	3/4	113,640	3/4	101,739	3/4	89,837	3/4	77,952	3/4
6	6	165,821	6	155,641	6	145,461	6	135,281	6	125,101	6	113,392	6	101,491	6	89,589	6	77,705	6
1/4	1/4	165,609	1/4	155,429	1/4	145,249	1/4	135,069	1/4	124,889	1/4	113,144	1/4	101,243	1/4	89,341	1/4	77,458	1/4
1/2	1/2	165,397	1/2	155,217	1/2	145,037	1/2	134,857	1/2	124,677	1/2	112,896	1/2	100,995	1/2	89,093	1/2	77,211	1/2
3/4	3/4	165,185	3/4	155,005	3/4	144,825	3/4	134,645	3/4	124,465	3/4	112,648	3/4	100,747	3/4	88,845	3/4	76,965	3/4
7	7	164,973	7	154,793	7	144,613	7	134,433	7	124,227	7	112,401	7	100,499	7	88,597	7	76,718	7
1/4	1/4	164,761	1/4	154,581	1/4	144,401	1/4	134,221	1/4	124,002	1/4	112,153	1/4	100,251	1/4	88,349	1/4	76,471	1/4
1/2	1/2	164,549	1/2	154,369	1/2	144,189	1/2	134,009	1/2	123,777	1/2	111,906	1/2	100,003	1/2	88,101	1/2	76,224	1/2
3/4	3/4	164,337	3/4	154,157	3/4	143,977	3/4	133,797	3/4	123,533	3/4	111,657	3/4	99,755	3/4	87,853	3/4	75,977	3/4
8	8	164,125	8	153,945	8	143,765	8	133,584	8	123,290	8	111,409	8	99,507	8	87,605	8	75,730	8
1/4	1/4	163,913	1/4	153,733	1/4	143,552	1/4	133,372	1/4	123,047	1/4	111,161	1/4	99,259	1/4	87,357	1/4	75,483	1/4
1/2	1/2	163,701	1/2	153,521	1/2	143,340	1/2	133,160	1/2	122,804	1/2	110,913	1/2	99,011	1/2	87,109	1/2	75,236	1/2
3/4	3/4	163,489	3/4	153,308	3/4	143,128	3/4	132,948	3/4	122,557	3/4	110,665	3/4	98,763	3/4	86,862	3/4	74,989	3/4
9	9	163,276	9	153,096	9	142,916	9	132,736	9	122,309	9	110,417	9	98,515	9	86,614	9	74,742	9
1/4	1/4	163,064	1/4	152,884	1/4	142,704	1/4	132,524	1/4	122,061	1/4	110,169	1/4	98,267	1/4	86,366	1/4	74,496	1/4
1/2	1/2	162,852	1/2	152,672	1/2	142,492	1/2	132,312	1/2	121,814	1/2	109,921	1/2	98,019	1/2	86,118	1/2	74,249	1/2
3/4	3/4	162,640	3/4	152,460	3/4	142,280	3/4	132,100	3/4	121,566	3/4	109,673	3/4	97,771	3/4	85,870	3/4	74,002	3/4
10	10	162,428	10	152,248	10	142,068	10	131,888	10	121,319	10	109,425	10	97,523	10	85,622	10	73,755	10
1/4	1/4	162,216	1/4	152,036	1/4	141,856	1/4	131,676	1/4	121,071	1/4	109,177	1/4	97,275	1/4	85,374	1/4	73,508	1/4
1/2	1/2	162,004	1/2	151,824	1/2	141,644	1/2	131,464	1/2	120,823	1/2	108,929	1/2	97,028	1/2	85,126	1/2	73,261	1/2
3/4	3/4	161,792	3/4	151,612	3/4	141,432	3/4	131,252	3/4	120,576	3/4	108,681	3/4	96,780	3/4	84,878	3/4	73,014	3/4
11	11	161,580	11	151,400	11	141,220	11	131,040	11	120,328	11	108,433	11	96,532	11	84,630	11	72,767	11
1/4	1/4	161,368	1/4	151,188	1/4	141,007	1/4	130,827	1/4	120,081	1/4	108,185	1/4	96,284	1/4	84,382	1/4	72,520	1/4
1/2	1/2	161,156	1/2	150,975	1/2	140,796	1/2	130,615	1/2	119,833	1/2	107,937	1/2	96,036	1/2	84,134	1/2	72,273	1/2
3/4	3/4	160,944	3/4	150,763	3/4	140,583	3/4	130,403	3/4	119,585	3/4	107,689	3/4	95,788	3/4	83,886	3/4	72,026	3/4

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.
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[Signature]



BARGE "IB 1308"

1 CENTER ULLAGE TABLE

GAUGE HEIGHT 16'-01 1/2"

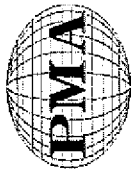
CAPACITIES GIVEN IN WHOLE GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	71,778	0	59,882	0	47,985	0	36,164	0	24,510	0	12,594	0	869	0	0	0	0	0	0
1/4	71,531	1/4	59,634	1/4	47,737	1/4	35,925	1/4	24,262	1/4	12,345	1/4	699	1/4	1/4	1/4	1/4	1/4	1/4
1/2	71,283	1/2	59,386	1/2	47,489	1/2	35,685	1/2	24,014	1/2	12,097	1/2	528	1/2	1/2	1/2	1/2	1/2	1/2
3/4	71,035	3/4	59,138	3/4	47,241	3/4	35,446	3/4	23,766	3/4	11,848	3/4	454	3/4	3/4	3/4	3/4	3/4	3/4
1	70,787	1	58,890	1	46,993	1	35,206	1	23,518	1	11,600	1	379	1	1	1	1	1	1
1 1/4	70,539	1 1/4	58,643	1 1/4	46,746	1 1/4	34,967	1 1/4	23,270	1 1/4	11,351	1 1/4	305	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	70,292	1 1/2	58,395	1 1/2	46,498	1 1/2	34,728	1 1/2	23,022	1 1/2	11,103	1 1/2	230	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	70,044	3/4	58,147	3/4	46,250	3/4	34,488	3/4	22,774	3/4	10,854	3/4	154	3/4	3/4	3/4	3/4	3/4	3/4
2	69,796	2	57,899	2	46,002	2	34,249	2	22,526	2	10,606	2	78	2	2	2	2	2	2
1 1/4	69,548	1 1/4	57,651	1 1/4	45,754	1 1/4	34,009	1 1/4	22,278	1 1/4	10,357	1 1/4	18	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	69,300	1 1/2	57,403	1 1/2	45,506	1 1/2	33,770	1 1/2	22,030	1 1/2	10,109	1 1/2	12	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	69,052	3/4	57,155	3/4	45,258	3/4	33,531	3/4	21,782	3/4	9,860	3/4	6	3/4	3/4	3/4	3/4	3/4	3/4
3	68,804	3	56,908	3	45,011	3	33,291	3	21,534	3	9,612	3	3	3	3	3	3	3	3
1 1/4	68,557	1 1/4	56,660	1 1/4	44,763	1 1/4	33,052	1 1/4	21,286	1 1/4	9,363	1 1/4	1	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	68,309	1 1/2	56,412	1 1/2	44,515	1 1/2	32,812	1 1/2	21,038	1 1/2	9,115	1 1/2	1	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	68,061	3/4	56,164	3/4	44,267	3/4	32,573	3/4	20,789	3/4	8,866	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4
4	67,813	4	55,916	4	44,019	4	32,334	4	20,541	4	8,618	4	1	4	4	4	4	4	4
1 1/4	67,565	1 1/4	55,668	1 1/4	43,771	1 1/4	32,094	1 1/4	20,293	1 1/4	8,369	1 1/4	1	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	67,317	1 1/2	55,420	1 1/2	43,523	1 1/2	31,855	1 1/2	20,045	1 1/2	8,121	1 1/2	1	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	67,070	3/4	55,173	3/4	43,276	3/4	31,616	3/4	19,797	3/4	7,872	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4
5	66,822	5	54,925	5	43,028	5	31,376	5	19,549	5	7,624	5	1	5	5	5	5	5	5
1 1/4	66,574	1 1/4	54,677	1 1/4	42,780	1 1/4	31,137	1 1/4	19,301	1 1/4	7,375	1 1/4	1	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	66,326	1 1/2	54,429	1 1/2	42,532	1 1/2	30,897	1 1/2	19,053	1 1/2	7,127	1 1/2	1	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	66,078	3/4	54,181	3/4	42,284	3/4	30,656	3/4	18,805	3/4	6,878	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4
6	65,830	6	53,933	6	42,036	6	30,415	6	18,557	6	6,630	6	1	6	6	6	6	6	6
1 1/4	65,582	1 1/4	53,685	1 1/4	41,789	1 1/4	30,174	1 1/4	18,308	1 1/4	6,381	1 1/4	1	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	65,335	1 1/2	53,438	1 1/2	41,541	1 1/2	29,933	1 1/2	18,060	1 1/2	6,133	1 1/2	1	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	65,087	3/4	53,190	3/4	41,293	3/4	29,692	3/4	17,811	3/4	5,884	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4
7	64,839	7	52,942	7	41,045	7	29,450	7	17,563	7	5,636	7	1	7	7	7	7	7	7
1 1/4	64,591	1 1/4	52,694	1 1/4	40,797	1 1/4	29,209	1 1/4	17,314	1 1/4	5,387	1 1/4	1	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	64,343	1 1/2	52,446	1 1/2	40,549	1 1/2	28,967	1 1/2	17,066	1 1/2	5,139	1 1/2	1	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	64,095	3/4	52,198	3/4	40,301	3/4	28,721	3/4	16,817	3/4	4,890	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4
8	63,847	8	51,950	8	40,054	8	28,474	8	16,569	8	4,642	8	1	8	8	8	8	8	8
1 1/4	63,600	1 1/4	51,703	1 1/4	39,806	1 1/4	28,228	1 1/4	16,320	1 1/4	4,393	1 1/4	1	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	63,352	1 1/2	51,455	1 1/2	39,558	1 1/2	27,982	1 1/2	16,072	1 1/2	4,145	1 1/2	1	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	63,104	3/4	51,207	3/4	39,310	3/4	27,734	3/4	15,824	3/4	3,896	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4
9	62,856	9	50,959	9	39,062	9	27,486	9	15,575	9	3,648	9	1	9	9	9	9	9	9
1 1/4	62,608	1 1/4	50,711	1 1/4	38,814	1 1/4	27,238	1 1/4	15,327	1 1/4	3,400	1 1/4	1	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	62,360	1 1/2	50,463	1 1/2	38,566	1 1/2	26,990	1 1/2	15,078	1 1/2	3,151	1 1/2	1	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	62,112	3/4	50,216	3/4	38,325	3/4	26,742	3/4	14,830	3/4	2,904	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4
10	61,865	10	49,968	10	38,083	10	26,494	10	14,581	10	2,656	10	1	10	10	10	10	10	10
1 1/4	61,617	1 1/4	49,720	1 1/4	37,842	1 1/4	26,246	1 1/4	14,333	1 1/4	2,408	1 1/4	1	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	61,369	1 1/2	49,472	1 1/2	37,594	1 1/2	25,998	1 1/2	14,085	1 1/2	2,161	1 1/2	1	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	61,121	3/4	49,224	3/4	37,346	3/4	25,750	3/4	13,836	3/4	1,924	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4
11	60,873	11	48,976	11	37,122	11	25,502	11	13,588	11	1,686	11	1	11	11	11	11	11	11
1 1/4	60,625	1 1/4	48,728	1 1/4	36,882	1 1/4	25,254	1 1/4	13,339	1 1/4	1,448	1 1/4	1	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	60,377	1 1/2	48,481	1 1/2	36,643	1 1/2	25,006	1 1/2	13,091	1 1/2	1,210	1 1/2	1	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	60,130	3/4	48,233	3/4	36,403	3/4	24,758	3/4	12,842	3/4	1,040	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/03/2019 JS
 CALCULATED: 09/04/2019 CL
 PRINTED: 09/04/2019 JS
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 09/2019

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



BARGE "IB 1308"

2 CENTER ULLAGE 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	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	153,916	0	144,921	0	134,630	0	124,338	0	114,046	0	103,755	0	93,463	0	83,171	0	72,880	0
1/4	1/4	163,899	1/4	144,707	1/4	134,415	1/4	124,124	1/4	113,832	1/4	103,540	1/4	93,249	1/4	82,957	1/4	72,665	1/4
1/2	1/2	163,841	1/2	144,493	1/2	134,201	1/2	123,909	1/2	113,618	1/2	103,326	1/2	93,034	1/2	82,743	1/2	72,451	1/2
3/4	3/4	153,782	3/4	144,278	3/4	133,987	3/4	123,695	3/4	113,403	3/4	103,112	3/4	92,820	3/4	82,528	3/4	72,237	3/4
1	1	153,724	1	144,064	1	133,772	1	123,480	1	113,189	1	102,897	1	92,606	1	82,314	1	72,022	1
1/4	1/4	153,666	1/4	143,849	1/4	133,558	1/4	123,266	1/4	112,974	1/4	102,683	1/4	92,391	1/4	82,089	1/4	71,808	1/4
1/2	1/2	153,541	1/2	143,635	1/2	133,343	1/2	123,052	1/2	112,760	1/2	102,468	1/2	92,177	1/2	81,885	1/2	71,593	1/2
3/4	3/4	153,416	3/4	143,421	3/4	133,129	3/4	122,837	3/4	112,546	3/4	102,254	3/4	91,962	3/4	81,671	3/4	71,379	3/4
2	2	153,291	2	143,206	2	132,915	2	122,623	2	112,331	2	102,040	2	91,748	2	81,456	2	71,165	2
1/4	1/4	153,166	1/4	142,992	1/4	132,700	1/4	122,408	1/4	112,117	1/4	101,825	1/4	91,533	1/4	81,242	1/4	70,950	1/4
1/2	1/2	152,977	1/2	142,777	1/2	132,486	1/2	122,194	1/2	111,902	1/2	101,611	1/2	91,319	1/2	81,027	1/2	70,736	1/2
3/4	3/4	152,788	3/4	142,563	3/4	132,271	3/4	121,980	3/4	111,688	3/4	101,396	3/4	91,105	3/4	80,813	3/4	70,521	3/4
3	3	152,599	3	142,349	3	132,057	3	121,765	3	111,474	3	101,182	3	90,890	3	80,599	3	70,307	3
1/4	1/4	152,411	1/4	142,134	1/4	131,842	1/4	121,551	1/4	111,259	1/4	100,967	1/4	90,676	1/4	80,384	1/4	70,092	1/4
1/2	1/2	152,199	1/2	141,920	1/2	131,628	1/2	121,336	1/2	111,045	1/2	100,753	1/2	90,461	1/2	80,170	1/2	69,878	1/2
3/4	3/4	151,988	3/4	141,705	3/4	131,414	3/4	121,122	3/4	110,830	3/4	100,539	3/4	90,247	3/4	79,955	3/4	69,664	3/4
4	4	151,777	4	141,491	4	131,199	4	120,908	4	110,616	4	100,324	4	90,033	4	79,741	4	69,449	4
1/4	1/4	151,566	1/4	141,277	1/4	130,985	1/4	120,693	1/4	110,402	1/4	100,110	1/4	89,818	1/4	79,527	1/4	69,235	1/4
1/2	1/2	151,352	1/2	141,062	1/2	130,770	1/2	120,479	1/2	110,187	1/2	99,895	1/2	89,604	1/2	79,312	1/2	69,020	1/2
3/4	3/4	151,138	3/4	140,848	3/4	130,556	3/4	120,264	3/4	109,973	3/4	99,681	3/4	89,389	3/4	79,098	3/4	68,806	3/4
5	5	150,924	5	140,633	5	130,342	5	120,050	5	109,758	5	99,467	5	89,175	5	78,883	5	68,592	5
1/4	1/4	150,710	1/4	140,419	1/4	130,127	1/4	119,836	1/4	109,544	1/4	99,252	1/4	88,961	1/4	78,669	1/4	68,377	1/4
1/2	1/2	150,496	1/2	140,204	1/2	129,913	1/2	119,621	1/2	109,329	1/2	99,038	1/2	88,746	1/2	78,454	1/2	68,163	1/2
3/4	3/4	150,282	3/4	139,990	3/4	129,698	3/4	119,407	3/4	109,115	3/4	98,823	3/4	88,532	3/4	78,240	3/4	67,948	3/4
6	6	150,067	6	139,776	6	129,484	6	119,192	6	108,901	6	98,609	6	88,317	6	78,026	6	67,734	6
1/4	1/4	149,853	1/4	139,561	1/4	129,270	1/4	118,978	1/4	108,686	1/4	98,395	1/4	88,103	1/4	77,811	1/4	67,520	1/4
1/2	1/2	149,638	1/2	139,347	1/2	129,055	1/2	118,763	1/2	108,472	1/2	98,180	1/2	87,888	1/2	77,597	1/2	67,305	1/2
3/4	3/4	149,424	3/4	139,132	3/4	128,841	3/4	118,549	3/4	108,257	3/4	97,966	3/4	87,674	3/4	77,382	3/4	67,091	3/4
7	7	149,210	7	138,918	7	128,626	7	118,335	7	108,043	7	97,751	7	87,460	7	77,168	7	66,876	7
1/4	1/4	148,995	1/4	138,704	1/4	128,412	1/4	118,120	1/4	107,829	1/4	97,537	1/4	87,245	1/4	76,954	1/4	66,662	1/4
1/2	1/2	148,781	1/2	138,489	1/2	128,198	1/2	117,906	1/2	107,614	1/2	97,323	1/2	87,031	1/2	76,739	1/2	66,448	1/2
3/4	3/4	148,566	3/4	138,275	3/4	127,983	3/4	117,691	3/4	107,400	3/4	97,108	3/4	86,816	3/4	76,525	3/4	66,233	3/4
8	8	148,352	8	138,060	8	127,769	8	117,477	8	107,185	8	96,894	8	86,602	8	76,310	8	66,019	8
1/4	1/4	148,138	1/4	137,846	1/4	127,554	1/4	117,263	1/4	106,971	1/4	96,679	1/4	86,388	1/4	76,096	1/4	65,804	1/4
1/2	1/2	147,923	1/2	137,632	1/2	127,340	1/2	117,048	1/2	106,757	1/2	96,465	1/2	86,173	1/2	75,882	1/2	65,590	1/2
3/4	3/4	147,709	3/4	137,417	3/4	127,125	3/4	116,834	3/4	106,542	3/4	96,250	3/4	85,959	3/4	75,667	3/4	65,375	3/4
9	9	147,494	9	137,203	9	126,911	9	116,619	9	106,328	9	96,036	9	85,744	9	75,453	9	65,161	9
1/4	1/4	147,280	1/4	136,988	1/4	126,697	1/4	116,405	1/4	106,113	1/4	95,822	1/4	85,530	1/4	75,238	1/4	64,947	1/4
1/2	1/2	147,066	1/2	136,774	1/2	126,482	1/2	116,191	1/2	105,899	1/2	95,607	1/2	85,316	1/2	75,024	1/2	64,732	1/2
3/4	3/4	146,851	3/4	136,559	3/4	126,268	3/4	115,976	3/4	105,684	3/4	95,393	3/4	85,101	3/4	74,809	3/4	64,518	3/4
10	10	146,637	10	136,345	10	126,053	10	115,762	10	105,470	10	95,178	10	84,887	10	74,595	10	64,303	10
1/4	1/4	146,422	1/4	136,131	1/4	125,839	1/4	115,547	1/4	105,256	1/4	94,964	1/4	84,672	1/4	74,381	1/4	64,089	1/4
1/2	1/2	146,208	1/2	135,916	1/2	125,625	1/2	115,333	1/2	105,041	1/2	94,750	1/2	84,458	1/2	74,166	1/2	63,875	1/2
3/4	3/4	145,994	3/4	135,702	3/4	125,410	3/4	115,119	3/4	104,827	3/4	94,535	3/4	84,244	3/4	73,952	3/4	63,660	3/4
11	11	145,779	11	135,487	11	125,196	11	114,904	11	104,612	11	94,321	11	84,029	11	73,737	11	63,446	11
1/4	1/4	145,565	1/4	135,273	1/4	124,981	1/4	114,690	1/4	104,398	1/4	94,106	1/4	83,815	1/4	73,523	1/4	63,231	1/4
1/2	1/2	145,350	1/2	135,069	1/2	124,767	1/2	114,475	1/2	104,184	1/2	93,892	1/2	83,600	1/2	73,309	1/2	63,017	1/2
3/4	3/4	145,136	3/4	134,844	3/4	124,553	3/4	114,261	3/4	103,969	3/4	93,678	3/4	83,386	3/4	73,094	3/4	62,803	3/4

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 ULLAGE 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 77586

http://www.pmacorp.net



BARGE "IB 1308"

2 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	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	62,688	0	52,296	0	42,006	0	31,751	0	21,675	0	11,384	0	1,124	0	0	0	0	0	0
1/4	62,374	1/4	52,082	1/4	41,790	1/4	31,543	1/4	21,461	1/4	11,169	1/4	919	1/4	1/4	1/4	1/4	1/4	1/4
1/2	62,159	1/2	51,868	1/2	41,576	1/2	31,334	1/2	21,246	1/2	10,955	1/2	772	1/2	1/2	1/2	1/2	1/2	1/2
3/4	61,945	3/4	51,653	3/4	41,362	3/4	31,126	3/4	21,032	3/4	10,741	3/4	625	3/4	3/4	3/4	3/4	3/4	3/4
1	61,731	1	51,439	1	41,147	1	30,918	1	20,817	1	10,526	1	478	1	1	1	1	1	1
1/4	61,516	1/4	51,224	1/4	40,933	1/4	30,710	1/4	20,603	1/4	10,312	1/4	331	1/4	1/4	1/4	1/4	1/4	1/4
1/2	61,302	1/2	51,010	1/2	40,718	1/2	30,502	1/2	20,389	1/2	10,097	1/2	267	1/2	1/2	1/2	1/2	1/2	1/2
3/4	61,087	3/4	50,796	3/4	40,504	3/4	30,294	3/4	20,174	3/4	9,883	3/4	202	3/4	3/4	3/4	3/4	3/4	3/4
2	60,873	2	50,581	2	40,290	2	30,086	2	19,960	2	9,669	2	138	2	2	2	2	2	2
1/4	60,658	1/4	50,367	1/4	40,075	1/4	29,878	1/4	19,745	1/4	9,454	1/4	74	1/4	1/4	1/4	1/4	1/4	1/4
1/2	60,444	1/2	50,152	1/2	39,861	1/2	29,669	1/2	19,531	1/2	9,240	1/2	12	1/2	1/2	1/2	1/2	1/2	1/2
3/4	60,230	3/4	49,938	3/4	39,646	3/4	29,461	3/4	19,317	3/4	9,025	3/4	12	3/4	3/4	3/4	3/4	3/4	3/4
3	60,015	3	49,724	3	39,432	3	29,253	3	19,102	3	8,811	3	3	3	3	3	3	3	3
1/4	59,801	1/4	49,509	1/4	39,217	1/4	29,045	1/4	18,888	1/4	8,597	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	59,586	1/2	49,295	1/2	39,003	1/2	28,837	1/2	18,673	1/2	8,382	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	59,372	3/4	49,080	3/4	38,789	3/4	28,629	3/4	18,459	3/4	8,168	3/4	1/4	3/4	3/4	3/4	3/4	3/4	3/4
4	59,158	4	48,866	4	38,574	4	28,421	4	18,245	4	7,953	4	4	4	4	4	4	4	4
1/4	58,943	1/4	48,652	1/4	38,360	1/4	28,213	1/4	18,030	1/4	7,739	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	58,729	1/2	48,437	1/2	38,145	1/2	28,005	1/2	17,816	1/2	7,525	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	58,514	3/4	48,223	3/4	37,931	3/4	27,796	3/4	17,601	3/4	7,310	3/4	1/4	3/4	3/4	3/4	3/4	3/4	3/4
5	58,300	5	48,008	5	37,717	5	27,588	5	17,387	5	7,096	5	5	5	5	5	5	5	5
1/4	58,086	1/4	47,794	1/4	37,502	1/4	27,380	1/4	17,173	1/4	6,881	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	57,871	1/2	47,579	1/2	37,288	1/2	27,172	1/2	16,958	1/2	6,667	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	57,657	3/4	47,365	3/4	37,073	3/4	26,964	3/4	16,744	3/4	6,453	3/4	1/4	3/4	3/4	3/4	3/4	3/4	3/4
6	57,442	6	47,151	6	36,859	6	26,756	6	16,529	6	6,238	6	6	6	6	6	6	6	6
1/4	57,228	1/4	46,936	1/4	36,645	1/4	26,548	1/4	16,315	1/4	6,024	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	57,013	1/2	46,722	1/2	36,430	1/2	26,340	1/2	16,101	1/2	5,809	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	56,799	3/4	46,507	3/4	36,216	3/4	26,132	3/4	15,886	3/4	5,595	3/4	1/4	3/4	3/4	3/4	3/4	3/4	3/4
7	56,585	7	46,293	7	36,001	7	25,924	7	15,672	7	5,381	7	7	7	7	7	7	7	7
1/4	56,370	1/4	46,079	1/4	35,787	1/4	25,716	1/4	15,457	1/4	5,166	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	56,156	1/2	45,864	1/2	35,573	1/2	25,508	1/2	15,243	1/2	4,952	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	55,941	3/4	45,650	3/4	35,358	3/4	25,300	3/4	15,029	3/4	4,737	3/4	1/4	3/4	3/4	3/4	3/4	3/4	3/4
8	55,727	8	45,435	8	35,144	8	25,092	8	14,814	8	4,523	8	8	8	8	8	8	8	8
1/4	55,513	1/4	45,221	1/4	34,929	1/4	24,885	1/4	14,600	1/4	4,309	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	55,298	1/2	45,007	1/2	34,715	1/2	24,672	1/2	14,385	1/2	4,094	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	55,084	3/4	44,792	3/4	34,500	3/4	24,459	3/4	14,171	3/4	3,880	3/4	1/4	3/4	3/4	3/4	3/4	3/4	3/4
9	54,869	9	44,578	9	34,286	9	24,246	9	13,957	9	3,666	9	9	9	9	9	9	9	9
1/4	54,655	1/4	44,363	1/4	34,072	1/4	24,033	1/4	13,742	1/4	3,451	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	54,441	1/2	44,149	1/2	33,857	1/2	23,819	1/2	13,528	1/2	3,237	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	54,226	3/4	43,935	3/4	33,643	3/4	23,605	3/4	13,313	3/4	3,023	3/4	1/4	3/4	3/4	3/4	3/4	3/4	3/4
10	54,012	10	43,720	10	33,428	10	23,390	10	13,099	10	2,808	10	10	10	10	10	10	10	10
1/4	53,797	1/4	43,506	1/4	33,214	1/4	23,176	1/4	12,885	1/4	2,594	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	53,583	1/2	43,291	1/2	33,004	1/2	22,961	1/2	12,670	1/2	2,381	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	53,369	3/4	43,077	3/4	32,795	3/4	22,747	3/4	12,456	3/4	2,167	3/4	1/4	3/4	3/4	3/4	3/4	3/4	3/4
11	53,154	11	42,862	11	32,585	11	22,533	11	12,241	11	1,953	11	11	11	11	11	11	11	11
1/4	52,940	1/4	42,648	1/4	32,375	1/4	22,318	1/4	12,027	1/4	1,740	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	52,725	1/2	42,434	1/2	32,167	1/2	22,104	1/2	11,813	1/2	1,535	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	52,511	3/4	42,219	3/4	31,959	3/4	21,889	3/4	11,598	3/4	1,330	3/4	1/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/03/2019 JS
 CALCULATED: 09/04/2019 CL
 PRINTED: 09/04/2019 JS
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 09/2019

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



BARGE "IB 1308"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHEEL GALLONS

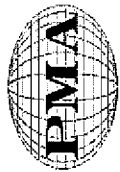
GAUGE HEIGHT 16'-01 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	155,087	0	145,677	0	135,316	0	124,956	0	114,595	0	104,235	0	93,874	0	83,514	0	73,153	0
1/4	1/4	155,029	1/4	145,461	1/4	135,100	1/4	124,740	1/4	114,379	1/4	104,019	1/4	93,659	1/4	83,298	1/4	72,938	1/4
1/2	1/2	154,970	1/2	145,242	1/2	134,885	1/2	124,524	1/2	114,164	1/2	103,803	1/2	93,443	1/2	83,082	1/2	72,722	1/2
3/4	3/4	154,912	3/4	145,029	3/4	134,669	3/4	124,308	3/4	113,948	3/4	103,587	3/4	93,227	3/4	82,866	3/4	72,506	3/4
1	1	154,786	1	144,813	1	134,453	1	124,092	1	113,732	1	103,371	1	93,011	1	82,651	1	72,290	1
1/4	1/4	154,660	1/4	144,597	1/4	134,237	1/4	123,877	1/4	113,516	1/4	103,156	1/4	92,795	1/4	82,435	1/4	72,074	1/4
1/2	1/2	154,534	1/2	144,382	1/2	134,021	1/2	123,661	1/2	113,300	1/2	102,940	1/2	92,579	1/2	82,219	1/2	71,858	1/2
3/4	3/4	154,408	3/4	144,166	3/4	133,805	3/4	123,445	3/4	113,084	3/4	102,724	3/4	92,363	3/4	82,003	3/4	71,643	3/4
2	2	154,218	2	143,950	2	133,589	2	123,228	2	112,869	2	102,508	2	92,148	2	81,787	2	71,427	2
1/4	1/4	154,028	1/4	143,734	1/4	133,374	1/4	123,013	1/4	112,653	1/4	102,292	1/4	91,932	1/4	81,571	1/4	71,211	1/4
1/2	1/2	153,838	1/2	143,518	1/2	133,158	1/2	122,797	1/2	112,437	1/2	102,076	1/2	91,716	1/2	81,355	1/2	70,995	1/2
3/4	3/4	153,648	3/4	143,302	3/4	132,942	3/4	122,581	3/4	112,221	3/4	101,861	3/4	91,500	3/4	81,140	3/4	70,779	3/4
3	3	153,435	3	143,087	3	132,726	3	122,366	3	112,005	3	101,645	3	91,284	3	80,924	3	70,563	3
1/4	1/4	153,223	1/4	142,871	1/4	132,510	1/4	122,150	1/4	111,789	1/4	101,429	1/4	91,068	1/4	80,708	1/4	70,348	1/4
1/2	1/2	153,010	1/2	142,655	1/2	132,294	1/2	121,934	1/2	111,574	1/2	101,213	1/2	90,853	1/2	80,492	1/2	70,132	1/2
3/4	3/4	152,798	3/4	142,439	3/4	132,079	3/4	121,718	3/4	111,358	3/4	100,997	3/4	90,637	3/4	80,276	3/4	69,916	3/4
4	4	152,582	4	142,223	4	131,863	4	121,502	4	111,142	4	100,781	4	90,421	4	80,060	4	69,700	4
1/4	1/4	152,367	1/4	142,007	1/4	131,647	1/4	121,286	1/4	110,926	1/4	100,566	1/4	90,205	1/4	79,845	1/4	69,484	1/4
1/2	1/2	152,151	1/2	141,792	1/2	131,431	1/2	121,071	1/2	110,710	1/2	100,350	1/2	89,989	1/2	79,629	1/2	69,268	1/2
3/4	3/4	151,936	3/4	141,576	3/4	131,215	3/4	120,855	3/4	110,494	3/4	100,134	3/4	89,773	3/4	79,413	3/4	69,052	3/4
5	5	151,720	5	141,360	5	130,999	5	120,639	5	110,278	5	99,918	5	89,558	5	79,197	5	68,837	5
1/4	1/4	151,504	1/4	141,144	1/4	130,784	1/4	120,423	1/4	110,063	1/4	99,702	1/4	89,342	1/4	78,981	1/4	68,621	1/4
1/2	1/2	151,289	1/2	140,928	1/2	130,568	1/2	120,207	1/2	109,847	1/2	99,486	1/2	89,126	1/2	78,765	1/2	68,405	1/2
3/4	3/4	151,073	3/4	140,712	3/4	130,352	3/4	119,991	3/4	109,631	3/4	99,270	3/4	88,910	3/4	78,504	3/4	68,189	3/4
6	6	150,857	6	140,496	6	130,136	6	119,776	6	109,415	6	99,055	6	88,694	6	78,334	6	67,973	6
1/4	1/4	150,641	1/4	140,281	1/4	129,920	1/4	119,560	1/4	109,199	1/4	98,839	1/4	88,478	1/4	78,118	1/4	67,757	1/4
1/2	1/2	150,425	1/2	140,065	1/2	129,704	1/2	119,344	1/2	108,983	1/2	98,623	1/2	88,262	1/2	77,902	1/2	67,542	1/2
3/4	3/4	150,209	3/4	139,849	3/4	129,488	3/4	119,128	3/4	108,768	3/4	98,407	3/4	88,047	3/4	77,686	3/4	67,326	3/4
7	7	149,994	7	139,633	7	129,273	7	118,912	7	108,552	7	98,191	7	87,831	7	77,470	7	67,110	7
1/4	1/4	149,778	1/4	139,417	1/4	129,057	1/4	118,696	1/4	108,336	1/4	97,975	1/4	87,615	1/4	77,254	1/4	66,894	1/4
1/2	1/2	149,562	1/2	139,201	1/2	128,841	1/2	118,480	1/2	108,120	1/2	97,760	1/2	87,399	1/2	77,039	1/2	66,678	1/2
3/4	3/4	149,346	3/4	138,986	3/4	128,625	3/4	118,265	3/4	107,904	3/4	97,544	3/4	87,183	3/4	76,823	3/4	66,462	3/4
8	8	149,130	8	138,770	8	128,409	8	118,049	8	107,688	8	97,328	8	86,967	8	76,607	8	66,246	8
1/4	1/4	148,914	1/4	138,554	1/4	128,193	1/4	117,833	1/4	107,472	1/4	97,112	1/4	86,752	1/4	76,391	1/4	66,031	1/4
1/2	1/2	148,698	1/2	138,338	1/2	127,978	1/2	117,617	1/2	107,257	1/2	96,896	1/2	86,536	1/2	76,175	1/2	65,815	1/2
3/4	3/4	148,483	3/4	138,122	3/4	127,762	3/4	117,401	3/4	107,041	3/4	96,680	3/4	86,320	3/4	75,959	3/4	65,599	3/4
9	9	148,267	9	137,906	9	127,546	9	117,185	9	106,825	9	96,464	9	86,104	9	75,744	9	65,383	9
1/4	1/4	148,051	1/4	137,690	1/4	127,330	1/4	116,970	1/4	106,609	1/4	96,249	1/4	85,888	1/4	75,528	1/4	65,167	1/4
1/2	1/2	147,835	1/2	137,475	1/2	127,114	1/2	116,754	1/2	106,393	1/2	96,033	1/2	85,677	1/2	75,312	1/2	64,951	1/2
3/4	3/4	147,619	3/4	137,259	3/4	126,898	3/4	116,538	3/4	106,177	3/4	95,817	3/4	85,457	3/4	75,096	3/4	64,736	3/4
10	10	147,403	10	137,043	10	126,683	10	116,322	10	105,962	10	95,601	10	85,241	10	74,880	10	64,520	10
1/4	1/4	147,188	1/4	136,827	1/4	126,467	1/4	116,106	1/4	105,746	1/4	95,385	1/4	85,025	1/4	74,664	1/4	64,304	1/4
1/2	1/2	146,972	1/2	136,611	1/2	126,251	1/2	115,890	1/2	105,530	1/2	95,169	1/2	84,809	1/2	74,449	1/2	64,088	1/2
3/4	3/4	146,756	3/4	136,395	3/4	126,035	3/4	115,675	3/4	105,314	3/4	94,964	3/4	84,593	3/4	74,233	3/4	63,872	3/4
11	11	146,540	11	136,180	11	125,819	11	115,459	11	105,098	11	94,738	11	84,377	11	74,017	11	63,656	11
1/4	1/4	146,324	1/4	135,964	1/4	125,603	1/4	115,243	1/4	104,882	1/4	94,522	1/4	84,161	1/4	73,801	1/4	63,441	1/4
1/2	1/2	146,108	1/2	135,748	1/2	125,387	1/2	115,027	1/2	104,667	1/2	94,306	1/2	83,946	1/2	73,585	1/2	63,225	1/2
3/4	3/4	145,893	3/4	135,532	3/4	125,172	3/4	114,811	3/4	104,451	3/4	94,090	3/4	83,730	3/4	73,369	3/4	63,009	3/4

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 ULLAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 24'-01" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77668
<http://www.pimacorp.net>



BARGE "IB 1308"

3 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.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	62,793	0	52,433	0	42,072	0	31,711	0	21,388	0	11,028	0	777	0	0	0	0	0	0
1/4	62,577	1/4	52,217	1/4	41,856	1/4	31,502	1/4	21,172	1/4	10,812	1/4	629	1/4	1/4	1/4	1/4	1/4	1/4
1/2	62,361	1/2	52,001	1/2	41,640	1/2	31,288	1/2	20,956	1/2	10,596	1/2	481	1/2	1/2	1/2	1/2	1/2	1/2
3/4	62,145	3/4	51,785	3/4	41,425	3/4	31,073	3/4	20,741	3/4	10,381	3/4	333	3/4	3/4	3/4	3/4	3/4	3/4
1	61,930	1	51,569	1	41,209	1	30,858	1	20,525	1	10,165	1	288	1	1	1	1	1	1
1 1/4	61,714	1 1/4	51,353	1 1/4	40,993	1 1/4	30,643	1 1/4	20,309	1 1/4	9,949	1 1/4	204	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	61,498	1 1/2	51,137	1 1/2	40,777	1 1/2	30,428	1 1/2	20,093	1 1/2	9,733	1 1/2	139	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
1 3/4	61,282	1 3/4	50,922	1 3/4	40,561	1 3/4	30,213	1 3/4	19,877	1 3/4	9,517	1 3/4	74	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4
2	61,066	2	50,706	2	40,345	2	29,998	2	19,661	2	9,301	2	2	2	2	2	2	2	2
2 1/4	60,850	2 1/4	50,490	2 1/4	40,130	2 1/4	29,783	2 1/4	19,446	2 1/4	9,086	2 1/4	2	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4
2 1/2	60,635	2 1/2	50,274	2 1/2	39,914	2 1/2	29,569	2 1/2	19,230	2 1/2	8,870	2 1/2	2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2
2 3/4	60,419	2 3/4	50,058	2 3/4	39,698	2 3/4	29,354	2 3/4	19,014	2 3/4	8,654	2 3/4	2	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4
3	60,203	3	49,842	3	39,482	3	29,139	3	18,798	3	8,438	3	2	3	3	3	3	3	3
3 1/4	59,987	3 1/4	49,627	3 1/4	39,266	3 1/4	28,924	3 1/4	18,582	3 1/4	8,222	3 1/4	2	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4
3 1/2	59,771	3 1/2	49,411	3 1/2	39,050	3 1/2	28,709	3 1/2	18,366	3 1/2	8,006	3 1/2	2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
3 3/4	59,555	3 3/4	49,195	3 3/4	38,834	3 3/4	28,494	3 3/4	18,151	3 3/4	7,791	3 3/4	2	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4
4	59,340	4	48,979	4	38,619	4	28,279	4	17,935	4	7,575	4	2	4	4	4	4	4	4
4 1/4	59,124	4 1/4	48,763	4 1/4	38,403	4 1/4	28,064	4 1/4	17,719	4 1/4	7,359	4 1/4	2	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4
4 1/2	58,908	4 1/2	48,547	4 1/2	38,187	4 1/2	27,850	4 1/2	17,503	4 1/2	7,143	4 1/2	2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2
4 3/4	58,692	4 3/4	48,332	4 3/4	37,971	4 3/4	27,635	4 3/4	17,287	4 3/4	6,927	4 3/4	2	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4
5	58,476	5	48,116	5	37,755	5	27,420	5	17,071	5	6,711	5	2	5	5	5	5	5	5
5 1/4	58,260	5 1/4	47,900	5 1/4	37,539	5 1/4	27,205	5 1/4	16,856	5 1/4	6,495	5 1/4	2	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4
5 1/2	58,044	5 1/2	47,684	5 1/2	37,324	5 1/2	26,990	5 1/2	16,640	5 1/2	6,280	5 1/2	2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2
5 3/4	57,829	5 3/4	47,468	5 3/4	37,108	5 3/4	26,775	5 3/4	16,424	5 3/4	6,064	5 3/4	2	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4
6	57,613	6	47,252	6	36,892	6	26,560	6	16,208	6	5,848	6	2	6	6	6	6	6	6
6 1/4	57,397	6 1/4	47,036	6 1/4	36,676	6 1/4	26,345	6 1/4	15,992	6 1/4	5,632	6 1/4	2	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4
6 1/2	57,181	6 1/2	46,821	6 1/2	36,460	6 1/2	26,131	6 1/2	15,776	6 1/2	5,416	6 1/2	2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2
6 3/4	56,965	6 3/4	46,605	6 3/4	36,244	6 3/4	25,916	6 3/4	15,561	6 3/4	5,200	6 3/4	2	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4
7	56,749	7	46,389	7	36,028	7	25,701	7	15,345	7	4,985	7	2	7	7	7	7	7	7
7 1/4	56,534	7 1/4	46,173	7 1/4	35,813	7 1/4	25,486	7 1/4	15,129	7 1/4	4,769	7 1/4	2	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4
7 1/2	56,318	7 1/2	45,957	7 1/2	35,597	7 1/2	25,271	7 1/2	14,913	7 1/2	4,553	7 1/2	2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2
7 3/4	56,102	7 3/4	45,741	7 3/4	35,381	7 3/4	25,056	7 3/4	14,697	7 3/4	4,337	7 3/4	2	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4
8	55,886	8	45,526	8	35,165	8	24,841	8	14,481	8	4,121	8	2	8	8	8	8	8	8
8 1/4	55,670	8 1/4	45,310	8 1/4	34,949	8 1/4	24,625	8 1/4	14,266	8 1/4	3,906	8 1/4	2	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4
8 1/2	55,454	8 1/2	45,094	8 1/2	34,733	8 1/2	24,409	8 1/2	14,050	8 1/2	3,690	8 1/2	2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2
8 3/4	55,239	8 3/4	44,878	8 3/4	34,518	8 3/4	24,194	8 3/4	13,834	8 3/4	3,474	8 3/4	2	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4
9	55,023	9	44,662	9	34,302	9	23,978	9	13,618	9	3,258	9	2	9	9	9	9	9	9
9 1/4	54,807	9 1/4	44,446	9 1/4	34,086	9 1/4	23,762	9 1/4	13,402	9 1/4	3,043	9 1/4	2	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4
9 1/2	54,591	9 1/2	44,231	9 1/2	33,870	9 1/2	23,546	9 1/2	13,186	9 1/2	2,827	9 1/2	2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2
9 3/4	54,375	9 3/4	44,015	9 3/4	33,654	9 3/4	23,331	9 3/4	12,971	9 3/4	2,611	9 3/4	2	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4
10	54,159	10	43,799	10	33,439	10	23,115	10	12,755	10	2,396	10	2	10	10	10	10	10	10
10 1/4	53,943	10 1/4	43,583	10 1/4	33,224	10 1/4	22,899	10 1/4	12,539	10 1/4	2,181	10 1/4	2	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4
10 1/2	53,728	10 1/2	43,367	10 1/2	33,008	10 1/2	22,683	10 1/2	12,323	10 1/2	1,966	10 1/2	2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2
10 3/4	53,512	10 3/4	43,151	10 3/4	32,793	10 3/4	22,467	10 3/4	12,107	10 3/4	1,751	10 3/4	2	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4
11	53,296	11	42,935	11	32,578	11	22,251	11	11,891	11	1,545	11	2	11	11	11	11	11	11
11 1/4	53,080	11 1/4	42,720	11 1/4	32,363	11 1/4	22,036	11 1/4	11,676	11 1/4	1,338	11 1/4	2	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4
11 1/2	52,864	11 1/2	42,504	11 1/2	32,148	11 1/2	21,820	11 1/2	11,460	11 1/2	1,132	11 1/2	2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2
11 3/4	52,648	11 3/4	42,288	11 3/4	31,932	11 3/4	21,604	11 3/4	11,244	11 3/4	925	11 3/4	2	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/03/2019 JS
 CALCULATED: 09/04/2019 CL
 PRINTED: 09/04/2019 JS
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 09/2019

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