



BARGE "IB 1309"

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	-00-1/2	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 ULLAGE GAUGE OF 4'-00" ON 2 CENTER, THE TRIM CORRECTED ULLAGE IS 4'-00 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 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	170,500	0	160,895	0	150,705	0	140,514	0	130,324	0	119,460	0	107,951	0	95,637	0	83,724	0
1/4	1/4	170,432	1/4	160,683	1/4	150,492	1/4	140,302	1/4	130,112	1/4	119,212	1/4	107,303	1/4	95,389	1/4	83,475	1/4
1/2	1/2	170,365	1/2	160,471	1/2	150,280	1/2	140,090	1/2	129,899	1/2	118,964	1/2	107,055	1/2	95,141	1/2	83,227	1/2
3/4	3/4	170,220	3/4	160,258	3/4	150,068	3/4	139,877	3/4	129,687	3/4	118,716	3/4	106,807	3/4	94,893	3/4	82,979	3/4
1	1	170,075	1	160,046	1	149,856	1	139,665	1	129,475	1	118,468	1	106,558	1	94,645	1	82,731	1
1/4	1/4	169,930	1/4	159,834	1/4	149,643	1/4	139,453	1/4	129,262	1/4	118,220	1/4	106,310	1/4	94,396	1/4	82,483	1/4
1/2	1/2	169,785	1/2	159,621	1/2	149,431	1/2	139,241	1/2	129,050	1/2	117,973	1/2	106,062	1/2	94,148	1/2	82,234	1/2
3/4	3/4	169,579	3/4	159,409	3/4	149,219	3/4	139,028	3/4	128,838	3/4	117,725	3/4	105,814	3/4	93,900	3/4	81,987	3/4
2	2	169,374	2	159,197	2	149,006	2	138,816	2	128,625	2	117,477	2	105,566	2	93,652	2	81,740	2
1/4	1/4	169,169	1/4	158,985	1/4	148,794	1/4	138,604	1/4	128,413	1/4	117,229	1/4	105,317	1/4	93,404	1/4	81,492	1/4
1/2	1/2	168,963	1/2	158,772	1/2	148,582	1/2	138,391	1/2	128,201	1/2	116,981	1/2	105,069	1/2	93,155	1/2	81,245	1/2
3/4	3/4	168,760	3/4	158,560	3/4	148,369	3/4	138,179	3/4	127,989	3/4	116,733	3/4	104,821	3/4	92,907	3/4	80,988	3/4
3	3	168,537	3	158,348	3	148,157	3	137,967	3	127,776	3	116,485	3	104,573	3	92,659	3	80,750	3
1/4	1/4	168,324	1/4	158,135	1/4	147,945	1/4	137,754	1/4	127,564	1/4	116,238	1/4	104,325	1/4	92,411	1/4	80,503	1/4
1/2	1/2	168,111	1/2	157,923	1/2	147,733	1/2	137,542	1/2	127,352	1/2	115,990	1/2	104,076	1/2	92,163	1/2	80,256	1/2
3/4	3/4	167,899	3/4	157,711	3/4	147,520	3/4	137,330	3/4	127,139	3/4	115,742	3/4	103,828	3/4	91,914	3/4	80,009	3/4
4	4	167,688	4	157,498	4	147,308	4	137,117	4	126,927	4	115,493	4	103,580	4	91,666	4	79,762	4
1/4	1/4	167,476	1/4	157,286	1/4	147,096	1/4	136,905	1/4	126,715	1/4	115,245	1/4	103,332	1/4	91,418	1/4	79,515	1/4
1/2	1/2	167,264	1/2	157,074	1/2	146,883	1/2	136,693	1/2	126,502	1/2	114,997	1/2	103,083	1/2	91,170	1/2	79,268	1/2
3/4	3/4	167,052	3/4	156,862	3/4	146,671	3/4	136,481	3/4	126,290	3/4	114,749	3/4	102,835	3/4	90,922	3/4	79,020	3/4
5	5	166,840	5	156,649	5	146,459	5	136,268	5	126,078	5	114,501	5	102,587	5	90,673	5	78,773	5
1/4	1/4	166,627	1/4	156,437	1/4	146,246	1/4	136,056	1/4	125,866	1/4	114,253	1/4	102,339	1/4	90,425	1/4	78,526	1/4
1/2	1/2	166,415	1/2	156,225	1/2	146,034	1/2	135,844	1/2	125,653	1/2	114,004	1/2	102,091	1/2	90,177	1/2	78,279	1/2
3/4	3/4	166,203	3/4	156,012	3/4	145,822	3/4	135,631	3/4	125,441	3/4	113,756	3/4	101,842	3/4	89,929	3/4	78,032	3/4
6	6	165,990	6	155,800	6	145,610	6	135,419	6	125,229	6	113,508	6	101,594	6	89,680	6	77,785	6
1/4	1/4	165,778	1/4	155,588	1/4	145,397	1/4	135,206	1/4	125,016	1/4	113,260	1/4	101,346	1/4	89,432	1/4	77,537	1/4
1/2	1/2	165,566	1/2	155,375	1/2	145,185	1/2	134,994	1/2	124,804	1/2	113,012	1/2	101,098	1/2	89,184	1/2	77,290	1/2
3/4	3/4	165,354	3/4	155,163	3/4	144,973	3/4	134,782	3/4	124,579	3/4	112,763	3/4	100,850	3/4	88,936	3/4	77,043	3/4
7	7	165,141	7	154,951	7	144,760	7	134,570	7	124,353	7	112,515	7	100,601	7	88,688	7	76,796	7
1/4	1/4	164,929	1/4	154,739	1/4	144,548	1/4	134,358	1/4	124,128	1/4	112,267	1/4	100,353	1/4	88,439	1/4	76,549	1/4
1/2	1/2	164,717	1/2	154,526	1/2	144,336	1/2	134,145	1/2	123,903	1/2	112,019	1/2	100,105	1/2	88,191	1/2	76,302	1/2
3/4	3/4	164,504	3/4	154,314	3/4	144,123	3/4	133,933	3/4	123,659	3/4	111,771	3/4	99,857	3/4	87,943	3/4	76,056	3/4
8	8	164,292	8	154,102	8	143,911	8	133,721	8	123,416	8	111,522	8	99,609	8	87,695	8	75,807	8
1/4	1/4	164,080	1/4	153,889	1/4	143,699	1/4	133,508	1/4	123,173	1/4	111,274	1/4	99,360	1/4	87,447	1/4	75,560	1/4
1/2	1/2	163,867	1/2	153,677	1/2	143,487	1/2	133,296	1/2	122,930	1/2	111,026	1/2	99,112	1/2	87,198	1/2	75,313	1/2
3/4	3/4	163,655	3/4	153,465	3/4	143,274	3/4	133,084	3/4	122,682	3/4	110,778	3/4	98,864	3/4	86,950	3/4	75,066	3/4
9	9	163,443	9	153,252	9	143,062	9	132,871	9	122,434	9	110,530	9	98,616	9	86,702	9	74,819	9
1/4	1/4	163,231	1/4	153,040	1/4	142,850	1/4	132,659	1/4	122,186	1/4	110,281	1/4	98,368	1/4	86,454	1/4	74,572	1/4
1/2	1/2	163,018	1/2	152,828	1/2	142,637	1/2	132,447	1/2	121,938	1/2	110,033	1/2	98,119	1/2	86,206	1/2	74,325	1/2
3/4	3/4	162,806	3/4	152,615	3/4	142,425	3/4	132,235	3/4	121,690	3/4	109,785	3/4	97,871	3/4	85,957	3/4	74,077	3/4
10	10	162,594	10	152,403	10	142,213	10	132,022	10	121,442	10	109,537	10	97,623	10	85,709	10	73,830	10
1/4	1/4	162,381	1/4	152,191	1/4	142,000	1/4	131,810	1/4	121,195	1/4	109,289	1/4	97,375	1/4	85,461	1/4	73,583	1/4
1/2	1/2	162,169	1/2	151,979	1/2	141,788	1/2	131,598	1/2	120,947	1/2	109,040	1/2	97,127	1/2	85,213	1/2	73,336	1/2
3/4	3/4	161,957	3/4	151,766	3/4	141,576	3/4	131,386	3/4	120,699	3/4	108,792	3/4	96,878	3/4	84,965	3/4	73,089	3/4
11	11	161,744	11	151,554	11	141,364	11	131,173	11	120,451	11	108,544	11	96,630	11	84,716	11	72,842	11
1/4	1/4	161,532	1/4	151,342	1/4	141,151	1/4	130,961	1/4	120,203	1/4	108,296	1/4	96,382	1/4	84,468	1/4	72,595	1/4
1/2	1/2	161,320	1/2	151,129	1/2	140,939	1/2	130,748	1/2	119,955	1/2	108,048	1/2	96,134	1/2	84,220	1/2	72,347	1/2
3/4	3/4	161,108	3/4	150,917	3/4	140,727	3/4	130,536	3/4	119,707	3/4	107,799	3/4	95,886	3/4	83,972	3/4	72,100	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH IMPMS 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.

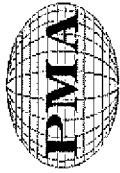
GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 30'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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BARGE "IB 1309"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-01 1/2"

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	0	59,943	0	48,034	0	36,201	0	24,535	0	12,607	0	871	0	0	0	0	0	0	0
1/4	1/4	71,852	1/4	47,866	1/4	35,962	1/4	24,287	1/4	12,358	1/4	700	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	71,366	1/2	47,538	1/2	35,722	1/2	24,038	1/2	12,109	1/2	529	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	71,108	3/4	47,290	3/4	35,482	3/4	23,790	3/4	11,861	3/4	465	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	70,860	1	47,042	1	35,243	1	23,542	1	11,612	1	380	1	1	1	1	1	1	1
1/4	1/4	70,612	1/4	46,794	1/4	35,003	1/4	23,294	1/4	11,363	1/4	305	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	70,363	1/2	46,545	1/2	34,763	1/2	23,045	1/2	11,114	1/2	230	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	70,115	3/4	46,297	3/4	34,524	3/4	22,797	3/4	10,866	3/4	155	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2	69,867	2	46,049	2	34,284	2	22,549	2	10,617	2	80	2	2	2	2	2	2	2
1/4	1/4	69,619	1/4	45,801	1/4	34,044	1/4	22,301	1/4	10,368	1/4	5	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	69,371	1/2	45,553	1/2	33,805	1/2	22,052	1/2	10,119	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	69,123	3/4	45,305	3/4	33,566	3/4	21,804	3/4	9,871	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3	68,875	3	45,057	3	33,326	3	21,556	3	9,622	3	0	3	3	3	3	3	3	3
1/4	1/4	68,627	1/4	44,809	1/4	33,086	1/4	21,308	1/4	9,373	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	68,379	1/2	44,561	1/2	32,846	1/2	21,059	1/2	9,124	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	68,131	3/4	44,312	3/4	32,607	3/4	20,811	3/4	8,876	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	4	67,882	4	44,064	4	32,367	4	20,563	4	8,627	4	0	4	4	4	4	4	4	4
1/4	1/4	67,634	1/4	43,816	1/4	32,127	1/4	20,315	1/4	8,378	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	67,386	1/2	43,568	1/2	31,888	1/2	20,066	1/2	8,129	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	67,138	3/4	43,320	3/4	31,648	3/4	19,818	3/4	7,881	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	5	66,890	5	43,072	5	31,408	5	19,570	5	7,632	5	0	5	5	5	5	5	5	5
1/4	1/4	66,642	1/4	42,824	1/4	31,169	1/4	19,321	1/4	7,383	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	66,394	1/2	42,576	1/2	30,929	1/2	19,073	1/2	7,134	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	66,146	3/4	42,328	3/4	30,688	3/4	18,825	3/4	6,886	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	6	65,898	6	42,080	6	30,447	6	18,576	6	6,637	6	0	6	6	6	6	6	6	6
1/4	1/4	65,649	1/4	41,831	1/4	30,205	1/4	18,327	1/4	6,388	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	65,401	1/2	41,583	1/2	29,964	1/2	18,079	1/2	6,139	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	65,153	3/4	41,335	3/4	29,722	3/4	17,830	3/4	5,890	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	7	64,905	7	41,087	7	29,481	7	17,581	7	5,642	7	0	7	7	7	7	7	7	7
1/4	1/4	64,657	1/4	40,839	1/4	29,239	1/4	17,332	1/4	5,393	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	64,409	1/2	40,591	1/2	28,997	1/2	17,084	1/2	5,144	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	64,161	3/4	40,343	3/4	28,750	3/4	16,835	3/4	4,895	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	8	63,913	8	40,095	8	28,504	8	16,586	8	4,647	8	0	8	8	8	8	8	8	8
1/4	1/4	63,665	1/4	39,847	1/4	28,257	1/4	16,337	1/4	4,398	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	63,417	1/2	39,598	1/2	28,011	1/2	16,089	1/2	4,149	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	63,168	3/4	39,350	3/4	27,762	3/4	15,840	3/4	3,901	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	9	62,920	9	39,102	9	27,514	9	15,591	9	3,652	9	0	9	9	9	9	9	9	9
1/4	1/4	62,672	1/4	38,854	1/4	27,266	1/4	15,343	1/4	3,404	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	62,424	1/2	38,606	1/2	27,017	1/2	15,094	1/2	3,155	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	62,176	3/4	38,358	3/4	26,769	3/4	14,845	3/4	2,907	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	10	61,928	10	38,110	10	26,521	10	14,597	10	2,659	10	0	10	10	10	10	10	10	10
1/4	1/4	61,680	1/4	49,771	1/4	37,861	1/4	14,348	1/4	2,412	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	61,432	1/2	49,523	1/2	37,613	1/2	14,099	1/2	2,164	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	61,184	3/4	49,275	3/4	37,365	3/4	13,851	3/4	1,926	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	11	60,935	11	49,026	11	37,116	11	13,602	11	1,688	11	0	11	11	11	11	11	11	11
1/4	1/4	60,687	1/4	48,778	1/4	36,870	1/4	13,353	1/4	1,450	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	60,439	1/2	48,530	1/2	36,622	1/2	13,104	1/2	1,212	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	60,191	3/4	48,282	3/4	36,441	3/4	12,856	3/4	1,041	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2082
Pearland, Texas 77688
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BARGE "IB 1309"

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	153,888	0	144,678	0	134,389	0	124,099	0	113,809	0	103,520	0	93,230	0	82,941	0	72,651	0
1/4	1/4	153,810	1/4	144,464	1/4	134,174	1/4	123,885	1/4	113,595	1/4	103,305	1/4	93,016	1/4	82,726	1/4	72,437	1/4
1/2	1/2	153,732	1/2	144,250	1/2	133,960	1/2	123,670	1/2	113,381	1/2	103,091	1/2	92,801	1/2	82,512	1/2	72,222	1/2
3/4	3/4	153,694	3/4	144,036	3/4	133,746	3/4	123,456	3/4	113,166	3/4	102,877	3/4	92,587	3/4	82,297	3/4	72,008	3/4
1	1	153,636	1	143,821	1	133,531	1	123,242	1	112,952	1	102,662	1	92,373	1	82,083	1	71,793	1
1/4	1/4	153,511	1/4	143,607	1/4	133,317	1/4	123,027	1/4	112,738	1/4	102,448	1/4	92,158	1/4	81,869	1/4	71,579	1/4
1/2	1/2	153,398	1/2	143,392	1/2	133,103	1/2	122,813	1/2	112,523	1/2	102,234	1/2	91,944	1/2	81,654	1/2	71,365	1/2
3/4	3/4	153,261	3/4	143,178	3/4	132,888	3/4	122,599	3/4	112,309	3/4	102,019	3/4	91,730	3/4	81,440	3/4	71,150	3/4
2	2	153,136	2	142,963	2	132,674	2	122,384	2	112,096	2	101,805	2	91,515	2	81,226	2	70,936	2
1/4	1/4	152,947	1/4	142,749	1/4	132,459	1/4	122,170	1/4	111,880	1/4	101,591	1/4	91,301	1/4	80,911	1/4	70,722	1/4
1/2	1/2	152,758	1/2	142,535	1/2	132,245	1/2	121,955	1/2	111,666	1/2	101,376	1/2	91,087	1/2	80,797	1/2	70,507	1/2
3/4	3/4	152,569	3/4	142,320	3/4	132,031	3/4	121,741	3/4	111,451	3/4	101,162	3/4	90,872	3/4	80,582	3/4	70,293	3/4
3	3	152,390	3	142,106	3	131,816	3	121,527	3	111,237	3	100,947	3	90,658	3	80,368	3	70,078	3
1/4	1/4	152,169	1/4	141,892	1/4	131,602	1/4	121,312	1/4	111,023	1/4	100,733	1/4	90,443	1/4	80,154	1/4	69,864	1/4
1/2	1/2	151,958	1/2	141,677	1/2	131,388	1/2	121,098	1/2	110,808	1/2	100,519	1/2	90,239	1/2	79,939	1/2	69,650	1/2
3/4	3/4	151,747	3/4	141,463	3/4	131,173	3/4	120,884	3/4	110,594	3/4	100,304	3/4	90,015	3/4	79,725	3/4	69,435	3/4
4	4	151,536	4	141,249	4	130,959	4	120,669	4	110,380	4	100,090	4	89,800	4	79,511	4	69,221	4
1/4	1/4	151,322	1/4	141,034	1/4	130,744	1/4	120,455	1/4	110,165	1/4	99,876	1/4	89,586	1/4	79,296	1/4	69,007	1/4
1/2	1/2	151,108	1/2	140,820	1/2	130,530	1/2	120,240	1/2	109,951	1/2	99,661	1/2	89,372	1/2	79,082	1/2	68,792	1/2
3/4	3/4	150,894	3/4	140,605	3/4	130,316	3/4	120,026	3/4	109,736	3/4	99,442	3/4	89,157	3/4	78,868	3/4	68,578	3/4
5	5	150,680	5	140,391	5	130,101	5	119,812	5	109,522	5	99,232	5	88,943	5	78,653	5	68,364	5
1/4	1/4	150,466	1/4	140,177	1/4	129,887	1/4	119,597	1/4	109,308	1/4	99,018	1/4	88,728	1/4	78,439	1/4	68,149	1/4
1/2	1/2	150,252	1/2	139,962	1/2	129,673	1/2	119,383	1/2	109,093	1/2	98,804	1/2	88,514	1/2	78,224	1/2	67,935	1/2
3/4	3/4	150,038	3/4	139,748	3/4	129,458	3/4	119,169	3/4	108,879	3/4	98,589	3/4	88,300	3/4	78,010	3/4	67,720	3/4
6	6	149,823	6	139,534	6	129,244	6	118,954	6	108,665	6	98,375	6	88,085	6	77,796	6	67,506	6
1/4	1/4	149,609	1/4	139,319	1/4	129,030	1/4	118,740	1/4	108,450	1/4	98,161	1/4	87,871	1/4	77,581	1/4	67,292	1/4
1/2	1/2	149,394	1/2	139,105	1/2	128,815	1/2	118,526	1/2	108,236	1/2	97,946	1/2	87,657	1/2	77,367	1/2	67,077	1/2
3/4	3/4	149,180	3/4	138,890	3/4	128,601	3/4	118,311	3/4	108,022	3/4	97,732	3/4	87,442	3/4	77,153	3/4	66,863	3/4
7	7	148,966	7	138,676	7	128,386	7	118,097	7	107,807	7	97,518	7	87,228	7	76,938	7	66,649	7
1/4	1/4	148,751	1/4	138,462	1/4	128,172	1/4	117,882	1/4	107,593	1/4	97,303	1/4	87,014	1/4	76,724	1/4	66,434	1/4
1/2	1/2	148,537	1/2	138,247	1/2	127,958	1/2	117,668	1/2	107,378	1/2	97,089	1/2	86,799	1/2	76,510	1/2	66,220	1/2
3/4	3/4	148,323	3/4	138,033	3/4	127,743	3/4	117,454	3/4	107,164	3/4	96,874	3/4	86,585	3/4	76,295	3/4	66,006	3/4
8	8	148,108	8	137,819	8	127,529	8	117,239	8	106,950	8	96,660	8	86,370	8	76,081	8	65,791	8
1/4	1/4	147,894	1/4	137,604	1/4	127,315	1/4	117,025	1/4	106,735	1/4	96,446	1/4	86,166	1/4	75,866	1/4	65,577	1/4
1/2	1/2	147,680	1/2	137,390	1/2	127,100	1/2	116,811	1/2	106,521	1/2	96,231	1/2	85,942	1/2	75,652	1/2	65,362	1/2
3/4	3/4	147,465	3/4	137,176	3/4	126,886	3/4	116,596	3/4	106,307	3/4	96,017	3/4	85,727	3/4	75,438	3/4	65,148	3/4
9	9	147,251	9	136,961	9	126,672	9	116,382	9	106,092	9	95,803	9	85,513	9	75,223	9	64,934	9
1/4	1/4	147,036	1/4	136,747	1/4	126,457	1/4	116,168	1/4	105,878	1/4	95,588	1/4	85,299	1/4	75,009	1/4	64,719	1/4
1/2	1/2	146,822	1/2	136,532	1/2	126,243	1/2	115,953	1/2	105,663	1/2	95,374	1/2	85,084	1/2	74,795	1/2	64,505	1/2
3/4	3/4	146,608	3/4	136,318	3/4	126,028	3/4	115,739	3/4	105,449	3/4	95,159	3/4	84,870	3/4	74,580	3/4	64,291	3/4
10	10	146,393	10	136,104	10	125,814	10	115,524	10	105,235	10	94,945	10	84,655	10	74,366	10	64,076	10
1/4	1/4	146,179	1/4	135,889	1/4	125,600	1/4	115,310	1/4	105,020	1/4	94,731	1/4	84,441	1/4	74,151	1/4	63,862	1/4
1/2	1/2	145,965	1/2	135,675	1/2	125,386	1/2	115,096	1/2	104,806	1/2	94,516	1/2	84,227	1/2	73,937	1/2	63,647	1/2
3/4	3/4	145,750	3/4	135,461	3/4	125,171	3/4	114,881	3/4	104,592	3/4	94,302	3/4	84,012	3/4	73,723	3/4	63,433	3/4
11	11	145,536	11	135,246	11	124,957	11	114,667	11	104,377	11	94,088	11	83,798	11	73,508	11	63,219	11
1/4	1/4	145,321	1/4	135,032	1/4	124,742	1/4	114,453	1/4	104,163	1/4	93,873	1/4	83,584	1/4	73,294	1/4	63,004	1/4
1/2	1/2	145,107	1/2	134,817	1/2	124,528	1/2	114,238	1/2	103,949	1/2	93,659	1/2	83,369	1/2	73,080	1/2	62,790	1/2
3/4	3/4	144,893	3/4	134,603	3/4	124,313	3/4	114,024	3/4	103,734	3/4	93,445	3/4	83,155	3/4	72,865	3/4	62,576	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'-68" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT & ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

http://www.pmatc.com



BARGE "IB 1309"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-02"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	62,361	0	52,072	0	41,782	0	31,536	0	21,456	0	11,167	0	919	0	0	0	0	0	0
1/4	62,147	1/4	51,857	1/4	41,568	1/4	31,328	1/4	21,242	1/4	10,953	1/4	772	1/4	1/4	1/4	1/4	1/4	1/4
1/2	61,933	1/2	51,643	1/2	41,353	1/2	31,120	1/2	21,028	1/2	10,738	1/2	625	1/2	1/2	1/2	1/2	1/2	1/2
3/4	61,718	3/4	51,429	3/4	41,139	3/4	30,912	3/4	20,813	3/4	10,524	3/4	478	3/4	3/4	3/4	3/4	3/4	3/4
1	61,504	1	51,214	1	40,925	1	30,704	1	20,599	1	10,310	1	331	1	1	1	1	1	1
1/4	61,289	1/4	51,000	1/4	40,710	1/4	30,496	1/4	20,384	1/4	10,095	1/4	268	1/4	1/4	1/4	1/4	1/4	1/4
1/2	61,075	1/2	50,785	1/2	40,496	1/2	30,288	1/2	20,170	1/2	9,881	1/2	202	1/2	1/2	1/2	1/2	1/2	1/2
3/4	60,861	3/4	50,571	3/4	40,281	3/4	30,080	3/4	19,956	3/4	9,667	3/4	138	3/4	3/4	3/4	3/4	3/4	3/4
2	60,646	2	50,357	2	40,067	2	29,871	2	19,741	2	9,452	2	74	2	2	2	2	2	2
1/4	60,432	1/4	50,142	1/4	39,853	1/4	29,663	1/4	19,527	1/4	9,238	1/4	59	1/4	1/4	1/4	1/4	1/4	1/4
1/2	60,218	1/2	49,928	1/2	39,638	1/2	29,455	1/2	19,313	1/2	9,023	1/2	44	1/2	1/2	1/2	1/2	1/2	1/2
3/4	60,003	3/4	49,714	3/4	39,424	3/4	29,247	3/4	19,098	3/4	8,809	3/4	29	3/4	3/4	3/4	3/4	3/4	3/4
3	59,789	3	49,499	3	39,210	3	29,039	3	18,884	3	8,595	3	14	3	3	3	3	3	3
1/4	59,574	1/4	49,286	1/4	38,995	1/4	28,831	1/4	18,670	1/4	8,380	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	59,360	1/2	49,070	1/2	38,781	1/2	28,623	1/2	18,455	1/2	8,166	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2
3/4	59,146	3/4	48,856	3/4	38,566	3/4	28,415	3/4	18,241	3/4	7,952	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4
4	58,931	4	48,642	4	38,352	4	28,207	4	18,027	4	7,737	4	0	4	4	4	4	4	4
1/4	58,717	1/4	48,427	1/4	38,138	1/4	27,999	1/4	17,812	1/4	7,523	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	58,503	1/2	48,213	1/2	37,923	1/2	27,791	1/2	17,598	1/2	7,309	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2
3/4	58,288	3/4	47,999	3/4	37,709	3/4	27,583	3/4	17,383	3/4	7,094	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4
5	58,074	5	47,784	5	37,495	5	27,375	5	17,169	5	6,880	5	0	5	5	5	5	5	5
1/4	57,860	1/4	47,570	1/4	37,280	1/4	27,167	1/4	16,955	1/4	6,666	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	57,646	1/2	47,356	1/2	37,066	1/2	26,958	1/2	16,740	1/2	6,451	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2
3/4	57,431	3/4	47,141	3/4	36,852	3/4	26,750	3/4	16,526	3/4	6,237	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4
6	57,216	6	46,927	6	36,637	6	26,542	6	16,312	6	6,022	6	0	6	6	6	6	6	6
1/4	57,002	1/4	46,712	1/4	36,423	1/4	26,334	1/4	16,097	1/4	5,808	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	56,788	1/2	46,498	1/2	36,208	1/2	26,127	1/2	15,883	1/2	5,594	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2
3/4	56,573	3/4	46,284	3/4	35,994	3/4	25,919	3/4	15,669	3/4	5,379	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4
7	56,359	7	46,069	7	35,780	7	25,711	7	15,454	7	5,165	7	0	7	7	7	7	7	7
1/4	56,145	1/4	45,855	1/4	35,565	1/4	25,503	1/4	15,240	1/4	4,951	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	55,930	1/2	45,641	1/2	35,351	1/2	25,295	1/2	15,025	1/2	4,736	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2
3/4	55,716	3/4	45,426	3/4	35,137	3/4	25,087	3/4	14,811	3/4	4,522	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4
8	55,502	8	45,212	8	34,922	8	24,879	8	14,597	8	4,308	8	0	8	8	8	8	8	8
1/4	55,287	1/4	44,997	1/4	34,708	1/4	24,667	1/4	14,382	1/4	4,093	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	55,073	1/2	44,783	1/2	34,493	1/2	24,454	1/2	14,168	1/2	3,879	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2
3/4	54,858	3/4	44,569	3/4	34,279	3/4	24,241	3/4	13,954	3/4	3,665	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4
9	54,644	9	44,354	9	34,065	9	24,029	9	13,739	9	3,450	9	0	9	9	9	9	9	9
1/4	54,430	1/4	44,140	1/4	33,850	1/4	23,814	1/4	13,525	1/4	3,236	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	54,215	1/2	43,926	1/2	33,636	1/2	23,600	1/2	13,311	1/2	3,022	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2
3/4	54,001	3/4	43,711	3/4	33,422	3/4	23,385	3/4	13,096	3/4	2,808	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4
10	53,787	10	43,497	10	33,207	10	23,171	10	12,882	10	2,593	10	0	10	10	10	10	10	10
1/4	53,572	1/4	43,283	1/4	32,998	1/4	22,957	1/4	12,668	1/4	2,380	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	53,358	1/2	43,068	1/2	32,788	1/2	22,742	1/2	12,453	1/2	2,166	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2
3/4	53,143	3/4	42,854	3/4	32,578	3/4	22,528	3/4	12,239	3/4	1,953	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4
11	52,929	11	42,639	11	32,369	11	22,314	11	12,024	11	1,739	11	0	11	11	11	11	11	11
1/4	52,715	1/4	42,425	1/4	32,160	1/4	22,099	1/4	11,810	1/4	1,524	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	52,500	1/2	42,211	1/2	31,952	1/2	21,885	1/2	11,596	1/2	1,329	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2
3/4	52,286	3/4	41,996	3/4	31,744	3/4	21,671	3/4	11,381	3/4	1,124	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/10/2019 CL
CALCULATED: 09/10/2019 CL
PRINTED: 09/16/2019 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2018

PRECISION MEASUREMENT
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Pearland, Texas 77588
http://www.pmacorp.net



BARGE "IB 1309"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WAGLE 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	155,059	0	145,489	0	135,127	0	124,764	0	114,402	0	104,039	0	93,677	0	83,314	0	72,952	0
1/4	1/4	155,091	1/4	145,521	1/4	135,161	1/4	124,799	1/4	114,441	1/4	104,077	1/4	93,715	1/4	83,352	1/4	72,990	1/4
1/2	1/2	154,942	1/2	145,372	1/2	134,995	1/2	124,633	1/2	114,282	1/2	103,908	1/2	93,548	1/2	83,191	1/2	72,841	1/2
3/4	3/4	154,816	3/4	145,246	3/4	134,869	3/4	124,507	3/4	114,155	3/4	103,781	3/4	93,422	3/4	83,064	3/4	72,715	3/4
1	1	154,690	1	145,120	1	134,743	1	123,380	1	113,027	1	103,652	1	93,296	1	82,939	1	72,589	1
1/4	1/4	154,564	1/4	144,994	1/4	134,617	1/4	123,254	1/4	112,901	1/4	103,526	1/4	93,170	1/4	82,813	1/4	72,463	1/4
1/2	1/2	154,438	1/2	144,868	1/2	134,491	1/2	123,128	1/2	112,774	1/2	103,399	1/2	93,044	1/2	82,687	1/2	72,337	1/2
3/4	3/4	154,312	3/4	144,742	3/4	134,365	3/4	123,002	3/4	112,648	3/4	103,273	3/4	92,918	3/4	82,561	3/4	72,211	3/4
2	2	154,058	2	144,488	2	134,110	2	123,037	2	112,675	2	103,312	2	91,950	2	81,587	2	71,225	2
1/4	1/4	153,868	1/4	144,298	1/4	133,920	1/4	122,821	1/4	112,459	1/4	102,986	1/4	91,734	1/4	81,372	1/4	71,009	1/4
1/2	1/2	153,678	1/2	144,108	1/2	133,730	1/2	122,630	1/2	112,243	1/2	102,744	1/2	91,518	1/2	81,156	1/2	70,793	1/2
3/4	3/4	153,488	3/4	143,918	3/4	133,540	3/4	122,434	3/4	112,027	3/4	101,565	3/4	91,302	3/4	80,940	3/4	70,577	3/4
3	3	153,253	3	143,683	3	133,296	3	122,174	3	111,811	3	101,449	3	91,086	3	80,724	3	70,361	3
1/4	1/4	153,040	1/4	143,468	1/4	133,105	1/4	121,958	1/4	111,595	1/4	101,233	1/4	90,870	1/4	80,508	1/4	70,145	1/4
1/2	1/2	152,828	1/2	143,252	1/2	132,915	1/2	121,742	1/2	111,380	1/2	101,017	1/2	90,655	1/2	80,292	1/2	69,930	1/2
3/4	3/4	152,612	3/4	143,036	3/4	132,724	3/4	121,526	3/4	111,164	3/4	100,801	3/4	90,439	3/4	80,076	3/4	69,714	3/4
4	4	152,397	4	142,821	4	132,533	4	121,310	4	110,948	4	100,586	4	90,223	4	79,860	4	69,498	4
1/4	1/4	152,181	1/4	142,605	1/4	132,342	1/4	121,094	1/4	110,732	1/4	100,369	1/4	90,007	1/4	79,644	1/4	69,282	1/4
1/2	1/2	151,966	1/2	142,389	1/2	132,151	1/2	120,878	1/2	110,516	1/2	100,154	1/2	89,791	1/2	79,429	1/2	69,066	1/2
3/4	3/4	151,750	3/4	142,173	3/4	131,960	3/4	120,663	3/4	110,300	3/4	99,938	3/4	89,576	3/4	79,213	3/4	68,850	3/4
5	5	151,534	5	141,958	5	131,769	5	120,447	5	110,084	5	99,722	5	89,359	5	78,997	5	68,634	5
1/4	1/4	151,318	1/4	141,742	1/4	131,578	1/4	120,231	1/4	109,868	1/4	99,506	1/4	89,143	1/4	78,781	1/4	68,418	1/4
1/2	1/2	151,102	1/2	141,526	1/2	131,387	1/2	120,015	1/2	109,652	1/2	99,290	1/2	88,927	1/2	78,565	1/2	68,203	1/2
3/4	3/4	150,887	3/4	141,310	3/4	131,196	3/4	119,799	3/4	109,437	3/4	99,074	3/4	88,712	3/4	78,349	3/4	67,987	3/4
6	6	150,671	6	141,094	6	130,989	6	119,583	6	109,221	6	98,858	6	88,496	6	78,133	6	67,771	6
1/4	1/4	150,455	1/4	140,878	1/4	130,778	1/4	119,367	1/4	109,005	1/4	98,642	1/4	88,280	1/4	77,917	1/4	67,555	1/4
1/2	1/2	150,239	1/2	140,662	1/2	130,567	1/2	119,151	1/2	108,789	1/2	98,426	1/2	88,064	1/2	77,701	1/2	67,339	1/2
3/4	3/4	150,023	3/4	140,446	3/4	130,356	3/4	118,936	3/4	108,573	3/4	98,211	3/4	87,848	3/4	77,486	3/4	67,123	3/4
7	7	149,807	7	140,230	7	130,145	7	118,720	7	108,357	7	97,995	7	87,632	7	77,270	7	66,907	7
1/4	1/4	149,591	1/4	140,014	1/4	129,934	1/4	118,504	1/4	108,141	1/4	97,779	1/4	87,416	1/4	77,054	1/4	66,691	1/4
1/2	1/2	149,375	1/2	139,798	1/2	129,723	1/2	118,288	1/2	107,925	1/2	97,563	1/2	87,200	1/2	76,838	1/2	66,475	1/2
3/4	3/4	149,159	3/4	139,582	3/4	129,512	3/4	118,072	3/4	107,709	3/4	97,347	3/4	86,985	3/4	76,622	3/4	66,260	3/4
8	8	148,944	8	139,366	8	129,296	8	117,856	8	107,494	8	97,131	8	86,769	8	76,406	8	66,044	8
1/4	1/4	148,728	1/4	139,150	1/4	129,085	1/4	117,640	1/4	107,278	1/4	96,915	1/4	86,553	1/4	76,190	1/4	65,828	1/4
1/2	1/2	148,512	1/2	138,934	1/2	128,874	1/2	117,424	1/2	107,062	1/2	96,699	1/2	86,337	1/2	75,974	1/2	65,612	1/2
3/4	3/4	148,296	3/4	138,718	3/4	128,663	3/4	117,208	3/4	106,846	3/4	96,483	3/4	86,121	3/4	75,758	3/4	65,396	3/4
9	9	148,080	9	138,502	9	128,452	9	116,993	9	106,630	9	96,268	9	85,905	9	75,543	9	65,180	9
1/4	1/4	147,864	1/4	138,286	1/4	128,241	1/4	116,777	1/4	106,414	1/4	96,052	1/4	85,689	1/4	75,327	1/4	64,964	1/4
1/2	1/2	147,648	1/2	138,070	1/2	128,030	1/2	116,561	1/2	106,198	1/2	95,836	1/2	85,473	1/2	75,111	1/2	64,748	1/2
3/4	3/4	147,432	3/4	137,854	3/4	127,819	3/4	116,345	3/4	105,982	3/4	95,620	3/4	85,257	3/4	74,895	3/4	64,532	3/4
10	10	147,216	10	137,638	10	127,608	10	116,129	10	105,767	10	95,404	10	85,042	10	74,679	10	64,317	10
1/4	1/4	147,000	1/4	137,422	1/4	127,397	1/4	115,913	1/4	105,551	1/4	95,188	1/4	84,826	1/4	74,463	1/4	64,101	1/4
1/2	1/2	146,785	1/2	137,206	1/2	127,186	1/2	115,697	1/2	105,335	1/2	94,972	1/2	84,610	1/2	74,247	1/2	63,885	1/2
3/4	3/4	146,569	3/4	136,990	3/4	126,975	3/4	115,481	3/4	105,119	3/4	94,756	3/4	84,394	3/4	74,031	3/4	63,669	3/4
11	11	146,353	11	136,774	11	126,764	11	115,265	11	104,903	11	94,541	11	84,178	11	73,816	11	63,453	11
1/4	1/4	146,137	1/4	136,558	1/4	126,553	1/4	115,050	1/4	104,687	1/4	94,325	1/4	83,962	1/4	73,600	1/4	63,237	1/4
1/2	1/2	145,921	1/2	136,342	1/2	126,342	1/2	114,834	1/2	104,471	1/2	94,109	1/2	83,746	1/2	73,384	1/2	63,021	1/2
3/4	3/4	145,705	3/4	136,126	3/4	126,131	3/4	114,618	3/4	104,255	3/4	93,893	3/4	83,530	3/4	73,168	3/4	62,805	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

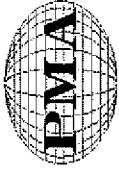
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE ONLY APPLIES 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'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "IB 1309"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-01 1/2"

	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.
0	0	52,227	0	31,509	0	10,814	0	0	0	0
1/4	62,374	53,011	41,649	31,294	20,961	10,599	629	1/4	1/4	1/4
1/2	62,158	51,795	41,433	31,079	20,745	10,383	333	1/2	1/2	1/2
3/4	61,942	51,579	41,217	30,864	20,529	10,167	268	3/4	3/4	3/4
1	61,726	51,363	41,001	30,649	20,313	9,951	204	1	1	1
1/4	61,510	51,148	40,785	30,434	20,097	9,736	139	1/4	1/4	1/4
1/2	61,294	50,932	40,569	30,219	19,881	9,519	74	1/2	1/2	1/2
3/4	61,078	50,716	40,353	30,004	19,665	9,303	9	3/4	3/4	3/4
2	60,862	50,500	40,137	29,789	19,449	9,087	2	2	2	2
1/4	60,647	50,284	39,922	29,574	19,234	8,872	1/4	1/4	1/4	1/4
1/2	60,431	50,068	39,706	29,359	19,018	8,656	1/2	1/2	1/2	1/2
3/4	60,215	49,852	39,490	29,145	18,802	8,440	3/4	3/4	3/4	3/4
3	59,999	49,636	39,274	28,930	18,586	8,224	3	3	3	3
1/4	59,783	49,421	39,058	28,715	18,370	8,008	1/4	1/4	1/4	1/4
1/2	59,567	49,205	38,842	28,500	18,154	7,792	1/2	1/2	1/2	1/2
3/4	59,351	48,989	38,626	28,285	17,938	7,576	3/4	3/4	3/4	3/4
4	59,135	48,773	38,410	28,070	17,722	7,360	4	4	4	4
1/4	58,919	48,557	38,194	27,855	17,507	7,145	1/4	1/4	1/4	1/4
1/2	58,704	48,341	37,979	27,640	17,291	6,929	1/2	1/2	1/2	1/2
3/4	58,488	48,125	37,763	27,425	17,075	6,713	3/4	3/4	3/4	3/4
5	58,272	47,909	37,547	27,210	16,859	6,497	5	5	5	5
1/4	58,056	47,693	37,331	26,995	16,643	6,281	1/4	1/4	1/4	1/4
1/2	57,840	47,478	37,115	26,781	16,427	6,065	1/2	1/2	1/2	1/2
3/4	57,624	47,262	36,899	26,566	16,211	5,849	3/4	3/4	3/4	3/4
6	57,408	47,046	36,683	26,351	15,995	5,633	6	6	6	6
1/4	57,192	46,830	36,467	26,136	15,780	5,418	1/4	1/4	1/4	1/4
1/2	56,976	46,614	36,252	25,921	15,564	5,202	1/2	1/2	1/2	1/2
3/4	56,761	46,398	36,036	25,706	15,348	4,986	3/4	3/4	3/4	3/4
7	56,545	46,182	35,820	25,491	15,132	4,770	7	7	7	7
1/4	56,329	45,966	35,604	25,276	14,916	4,554	1/4	1/4	1/4	1/4
1/2	56,113	45,750	35,388	25,061	14,700	4,338	1/2	1/2	1/2	1/2
3/4	55,897	45,535	35,172	24,846	14,484	4,122	3/4	3/4	3/4	3/4
8	55,681	45,319	34,956	24,630	14,268	3,906	8	8	8	8
1/4	55,465	45,103	34,740	24,414	14,053	3,691	1/4	1/4	1/4	1/4
1/2	55,249	44,887	34,524	24,199	13,837	3,475	1/2	1/2	1/2	1/2
3/4	55,034	44,671	34,309	23,983	13,621	3,259	3/4	3/4	3/4	3/4
9	54,818	44,455	34,093	23,767	13,405	3,043	9	9	9	9
1/4	54,602	44,239	33,877	23,551	13,189	2,828	1/4	1/4	1/4	1/4
1/2	54,386	44,023	33,661	23,335	12,973	2,612	1/2	1/2	1/2	1/2
3/4	54,170	43,808	33,446	23,119	12,757	2,397	3/4	3/4	3/4	3/4
10	53,954	43,592	33,230	22,903	12,541	2,182	10	10	10	10
1/4	53,738	43,376	33,015	22,688	12,326	1,967	1/4	1/4	1/4	1/4
1/2	53,522	43,160	32,799	22,472	12,110	1,752	1/2	1/2	1/2	1/2
3/4	53,306	42,944	32,584	22,256	11,894	1,536	3/4	3/4	3/4	3/4
11	53,091	42,728	32,369	22,040	11,678	1,320	11	11	11	11
1/4	52,875	42,512	32,154	21,824	11,462	1,104	1/4	1/4	1/4	1/4
1/2	52,659	42,296	31,939	21,608	11,246	926	1/2	1/2	1/2	1/2
3/4	52,443	42,080	31,724	21,392	11,030	777	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

PRECISION MEASUREMENT
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