

Gallan



# BARGE "IB 1319"

## 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	-00-1/4	00-1/4
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	-01-1/4	01-1/4

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT	=	2'-00"
AFT DRAFT	=	<u>4'-00"</u>
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"

March 31, 2020

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

<http://www.pmacorp.net>



# BARGE "IB 1319"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-02"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	170,182	0	160,893	0	150,729	0	140,566	0	130,402	0	119,638	0	107,761	0	95,879	0	83,997	
1/4	1/4	170,115	1/4	160,881	1/4	150,517	1/4	140,354	1/4	130,190	1/4	119,390	1/4	107,514	1/4	95,631	1/4	83,749	
1/2	1/2	170,048	1/2	160,469	1/2	150,306	1/2	140,142	1/2	129,979	1/2	119,143	1/2	107,266	1/2	95,384	1/2	83,502	
3/4	3/4	169,981	3/4	160,257	3/4	150,094	3/4	139,930	3/4	129,767	3/4	118,896	3/4	107,019	3/4	95,136	3/4	83,254	
1	1	169,914	1	160,046	1	149,882	1	139,719	1	129,555	1	118,649	1	106,771	1	94,889	1	83,007	
1/4	1/4	169,799	1/4	159,834	1/4	149,670	1/4	139,507	1/4	129,343	1/4	118,402	1/4	106,523	1/4	94,641	1/4	82,759	
1/2	1/2	169,625	1/2	159,622	1/2	149,459	1/2	139,295	1/2	129,132	1/2	118,154	1/2	106,276	1/2	94,394	1/2	82,511	
3/4	3/4	169,480	3/4	159,410	3/4	149,247	3/4	139,083	3/4	128,920	3/4	117,907	3/4	106,028	3/4	94,146	3/4	82,264	
2	2	169,335	2	159,199	2	149,035	2	138,872	2	128,708	2	117,660	2	105,781	2	93,899	2	82,016	
1/4	1/4	169,130	1/4	158,987	1/4	148,823	1/4	138,660	1/4	128,496	1/4	117,413	1/4	105,533	1/4	93,651	1/4	81,770	
1/2	1/2	168,925	1/2	158,775	1/2	148,612	1/2	138,448	1/2	128,285	1/2	117,166	1/2	105,286	1/2	93,404	1/2	81,523	
3/4	3/4	168,721	3/4	158,563	3/4	148,400	3/4	138,236	3/4	128,073	3/4	116,918	3/4	105,038	3/4	93,156	3/4	81,276	
3	3	168,516	3	158,352	3	148,188	3	138,025	3	127,861	3	116,671	3	104,791	3	92,908	3	81,029	
1/4	1/4	168,303	1/4	158,140	1/4	147,976	1/4	137,813	1/4	127,649	1/4	116,424	1/4	104,543	1/4	92,661	1/4	80,783	
1/2	1/2	168,091	1/2	157,928	1/2	147,765	1/2	137,601	1/2	127,438	1/2	116,177	1/2	104,296	1/2	92,413	1/2	80,536	
3/4	3/4	167,878	3/4	157,716	3/4	147,553	3/4	137,389	3/4	127,226	3/4	115,930	3/4	104,048	3/4	92,166	3/4	80,290	
4	4	167,666	4	157,505	4	147,341	4	137,178	4	127,014	4	115,682	4	103,800	4	91,918	4	80,043	
1/4	1/4	167,455	1/4	157,293	1/4	147,129	1/4	136,966	1/4	126,802	1/4	115,435	1/4	103,553	1/4	91,671	1/4	79,797	
1/2	1/2	167,243	1/2	157,081	1/2	146,918	1/2	136,754	1/2	126,651	1/2	115,187	1/2	103,305	1/2	91,423	1/2	79,550	
3/4	3/4	167,032	3/4	156,870	3/4	146,706	3/4	136,543	3/4	126,379	3/4	114,940	3/4	103,058	3/4	91,176	3/4	79,304	
5	5	166,821	5	156,658	5	146,494	5	136,331	5	126,167	5	114,693	5	102,810	5	90,928	5	79,057	
1/4	1/4	166,609	1/4	156,446	1/4	146,283	1/4	136,119	1/4	125,956	1/4	114,445	1/4	102,563	1/4	90,681	1/4	78,811	
1/2	1/2	166,398	1/2	156,234	1/2	146,071	1/2	135,907	1/2	125,744	1/2	114,197	1/2	102,315	1/2	90,433	1/2	78,564	
3/4	3/4	166,186	3/4	156,023	3/4	145,859	3/4	135,696	3/4	125,532	3/4	113,950	3/4	102,068	3/4	90,185	3/4	78,318	
6	6	165,974	6	155,811	6	145,647	6	135,484	6	125,320	6	113,702	6	101,820	6	90,000	6	78,071	
1/4	1/4	165,763	1/4	155,599	1/4	145,436	1/4	135,272	1/4	125,109	1/4	113,455	1/4	101,573	1/4	89,753	1/4	77,825	
1/2	1/2	165,551	1/2	155,387	1/2	145,224	1/2	135,060	1/2	124,897	1/2	113,207	1/2	101,325	1/2	89,506	1/2	77,578	
3/4	3/4	165,339	3/4	155,176	3/4	145,012	3/4	134,849	3/4	124,685	3/4	112,960	3/4	101,077	3/4	89,259	3/4	77,332	
7	7	165,127	7	154,964	7	144,800	7	134,637	7	124,473	7	112,712	7	100,830	7	89,012	7	77,085	
1/4	1/4	164,916	1/4	154,752	1/4	144,589	1/4	134,425	1/4	124,249	1/4	112,465	1/4	100,582	1/4	88,764	1/4	76,839	
1/2	1/2	164,704	1/2	154,540	1/2	144,377	1/2	134,213	1/2	124,024	1/2	112,217	1/2	100,335	1/2	88,517	1/2	76,592	
3/4	3/4	164,492	3/4	154,329	3/4	144,165	3/4	134,002	3/4	123,799	3/4	111,970	3/4	100,087	3/4	88,270	3/4	76,346	
8	8	164,280	8	154,117	8	143,953	8	133,790	8	123,574	8	111,722	8	100,000	8	88,023	8	76,099	
1/4	1/4	164,069	1/4	153,905	1/4	143,742	1/4	133,578	1/4	123,332	1/4	111,474	1/4	99,775	1/4	87,776	1/4	75,853	
1/2	1/2	163,857	1/2	153,693	1/2	143,530	1/2	133,366	1/2	123,089	1/2	111,227	1/2	99,528	1/2	87,529	1/2	75,606	
3/4	3/4	163,646	3/4	153,482	3/4	143,318	3/4	133,155	3/4	122,847	3/4	110,979	3/4	99,281	3/4	87,282	3/4	75,360	
9	9	163,433	9	153,270	9	143,106	9	132,943	9	122,604	9	110,732	9	99,034	9	87,035	9	75,113	
1/4	1/4	163,222	1/4	153,058	1/4	142,895	1/4	132,731	1/4	122,357	1/4	110,484	1/4	98,787	1/4	86,788	1/4	74,867	
1/2	1/2	163,010	1/2	152,846	1/2	142,683	1/2	132,519	1/2	122,109	1/2	110,237	1/2	98,540	1/2	86,541	1/2	74,620	
3/4	3/4	162,798	3/4	152,635	3/4	142,471	3/4	132,308	3/4	121,862	3/4	109,989	3/4	98,293	3/4	86,294	3/4	74,374	
10	10	162,586	10	152,423	10	142,259	10	132,096	10	121,615	10	109,742	10	98,046	10	86,047	10	74,127	
1/4	1/4	162,375	1/4	152,211	1/4	142,048	1/4	131,884	1/4	121,368	1/4	109,494	1/4	97,799	1/4	85,800	1/4	73,881	
1/2	1/2	162,163	1/2	151,999	1/2	141,836	1/2	131,673	1/2	121,121	1/2	109,247	1/2	97,552	1/2	85,553	1/2	73,634	
3/4	3/4	161,951	3/4	151,788	3/4	141,624	3/4	131,461	3/4	120,873	3/4	109,000	3/4	97,305	3/4	85,306	3/4	73,388	
11	11	161,740	11	151,576	11	141,413	11	131,249	11	120,626	11	108,751	11	97,058	11	85,059	11	73,141	
1/4	1/4	161,528	1/4	151,364	1/4	141,201	1/4	131,037	1/4	120,379	1/4	108,504	1/4	96,811	1/4	84,812	1/4	72,895	
1/2	1/2	161,316	1/2	151,153	1/2	140,989	1/2	130,826	1/2	120,132	1/2	108,256	1/2	96,564	1/2	84,565	1/2	72,649	
3/4	3/4	161,104	3/4	150,941	3/4	140,777	3/4	130,614	3/4	119,885	3/4	108,009	3/4	96,317	3/4	84,318	3/4	72,402	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2092

Pastland, Texas 77588

http://www.pmaacorp.net

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH IAPMO 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.



# BARGE "IB 1319"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-02"

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	72,155	0	60,279	0	48,401	0	36,583	0	24,965	0	13,069	0	1,208	0		0			
1/4	71,908	1/4	60,031	1/4	48,154	1/4	36,344	1/4	24,717	1/4	12,821	1/4	1,038	1/4		1/4			
1/2	71,661	1/2	59,784	1/2	47,907	1/2	36,105	1/2	24,470	1/2	12,573	1/2	868	1/2		1/2			
3/4	71,414	3/4	59,537	3/4	47,659	3/4	35,866	3/4	24,222	3/4	12,325	3/4	698	3/4		3/4			
1	71,167	1	59,289	1	47,412	1	35,627	1	23,974	1	12,077	1	528	1		1			
1/4	70,919	1/4	59,042	1/4	47,164	1/4	35,388	1/4	23,727	1/4	11,829	1/4	453	1/4		1/4			
1/2	70,672	1/2	58,794	1/2	46,917	1/2	35,149	1/2	23,479	1/2	11,581	1/2	379	1/2		1/2			
3/4	70,424	3/4	58,547	3/4	46,669	3/4	34,910	3/4	23,232	3/4	11,333	3/4	304	3/4		3/4			
2	70,177	2	58,299	2	46,422	2	34,671	2	22,984	2	11,085	2	230	2		2			
1/4	69,929	1/4	58,052	1/4	46,174	1/4	34,432	1/4	22,736	1/4	10,836	1/4		1/4		1/4			
1/2	69,682	1/2	57,804	1/2	45,927	1/2	34,193	1/2	22,489	1/2	10,588	1/2		1/2		1/2			
3/4	69,435	3/4	57,557	3/4	45,679	3/4	33,954	3/4	22,241	3/4	10,340	3/4		3/4		3/4			
3	69,187	3	57,310	3	45,432	3	33,715	3	21,994	3	10,092	3		3		3			
1/4	68,940	1/4	57,062	1/4	45,185	1/4	33,476	1/4	21,746	1/4	9,844	1/4		1/4		1/4			
1/2	68,692	1/2	56,815	1/2	44,937	1/2	33,237	1/2	21,498	1/2	9,596	1/2		1/2		1/2			
3/4	68,445	3/4	56,567	3/4	44,690	3/4	32,998	3/4	21,251	3/4	9,348	3/4		3/4		3/4			
4	68,197	4	56,320	4	44,442	4	32,759	4	21,003	4	9,100	4		4		4			
1/4	67,950	1/4	56,072	1/4	44,195	1/4	32,520	1/4	20,756	1/4	8,852	1/4		1/4		1/4			
1/2	67,702	1/2	55,825	1/2	43,947	1/2	32,281	1/2	20,508	1/2	8,604	1/2		1/2		1/2			
3/4	67,455	3/4	55,577	3/4	43,700	3/4	32,042	3/4	20,260	3/4	8,355	3/4		3/4		3/4			
5	67,207	5	55,330	5	43,452	5	31,803	5	20,013	5	8,107	5		5		5			
1/4	66,960	1/4	55,083	1/4	43,205	1/4	31,564	1/4	19,765	1/4	7,859	1/4		1/4		1/4			
1/2	66,713	1/2	54,835	1/2	42,958	1/2	31,325	1/2	19,518	1/2	7,611	1/2		1/2		1/2			
3/4	66,465	3/4	54,588	3/4	42,710	3/4	31,086	3/4	19,270	3/4	7,363	3/4		3/4		3/4			
6	66,218	6	54,340	6	42,463	6	30,847	6	19,022	6	7,115	6		6		6			
1/4	65,970	1/4	54,093	1/4	42,215	1/4	30,606	1/4	18,774	1/4	6,867	1/4		1/4		1/4			
1/2	65,723	1/2	53,845	1/2	41,968	1/2	30,366	1/2	18,526	1/2	6,619	1/2		1/2		1/2			
3/4	65,475	3/4	53,598	3/4	41,720	3/4	30,125	3/4	18,278	3/4	6,371	3/4		3/4		3/4			
7	65,228	7	53,350	7	41,473	7	29,884	7	18,030	7	6,123	7		7		7			
1/4	64,980	1/4	53,103	1/4	41,225	1/4	29,643	1/4	17,782	1/4	5,875	1/4		1/4		1/4			
1/2	64,733	1/2	52,855	1/2	40,978	1/2	29,402	1/2	17,534	1/2	5,626	1/2		1/2		1/2			
3/4	64,486	3/4	52,608	3/4	40,731	3/4	29,161	3/4	17,286	3/4	5,378	3/4		3/4		3/4			
8	64,238	8	52,361	8	40,483	8	28,920	8	17,038	8	5,130	8		8		8			
1/4	63,991	1/4	52,113	1/4	40,236	1/4	28,674	1/4	16,790	1/4	4,882	1/4		1/4		1/4			
1/2	63,743	1/2	51,866	1/2	39,988	1/2	28,428	1/2	16,542	1/2	4,634	1/2		1/2		1/2			
3/4	63,496	3/4	51,618	3/4	39,741	3/4	28,182	3/4	16,294	3/4	4,386	3/4		3/4		3/4			
9	63,248	9	51,371	9	39,493	9	27,936	9	16,046	9	4,138	9		9		9			
1/4	63,001	1/4	51,123	1/4	39,246	1/4	27,688	1/4	15,798	1/4	3,890	1/4		1/4		1/4			
1/2	62,753	1/2	50,876	1/2	38,998	1/2	27,441	1/2	15,550	1/2	3,642	1/2		1/2		1/2			
3/4	62,506	3/4	50,628	3/4	38,751	3/4	27,193	3/4	15,302	3/4	3,394	3/4		3/4		3/4			
10	62,259	10	50,381	10	38,503	10	26,946	10	15,054	10	3,146	10		10		10			
1/4	62,011	1/4	50,134	1/4	38,256	1/4	26,698	1/4	14,806	1/4	2,899	1/4		1/4		1/4			
1/2	61,764	1/2	49,886	1/2	38,021	1/2	26,450	1/2	14,558	1/2	2,652	1/2		1/2		1/2			
3/4	61,516	3/4	49,639	3/4	37,780	3/4	26,203	3/4	14,310	3/4	2,405	3/4		3/4		3/4			
11	61,269	11	49,391	11	37,538	11	25,955	11	14,062	11	2,158	11		11		11			
1/4	61,021	1/4	49,144	1/4	37,300	1/4	25,708	1/4	13,813	1/4	1,920	1/4		1/4		1/4			
1/2	60,774	1/2	48,896	1/2	37,061	1/2	25,460	1/2	13,565	1/2	1,683	1/2		1/2		1/2			
3/4	60,526	3/4	48,649	3/4	36,822	3/4	25,212	3/4	13,317	3/4	1,446	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/30/2020 CL  
 CALCULATED: 03/31/2020 CL  
 PRINTED: 03/31/2020 SW  
 CANCELS AND SUPERCEDES  
 ALL PRIOR TO 03/20/20

PRECISION MEASUREMENT

& ANALYSIS, INC.

P. O. Box 2092

Pearland, Texas 77588

http://www.dmtacord.net





# BARGE "IB 1319"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-02"

IN	10 FT.	0	11 FT.	0	12 FT.	0	13 FT.	0	14 FT.	0	15 FT.	0	16 FT.	0	17 FT.	0	18 FT.	0	19 FT.
0	62,385	0	52,091	0	41,798	0	31,548	0	21,464	0	11,171	0	919	0		0			
1/4	62,171	1/4	51,877	1/4	41,583	1/4	31,340	1/4	21,250	1/4	10,957	1/4	772	1/4		1/4			
1/2	61,956	1/2	51,662	1/2	41,369	1/2	31,132	1/2	21,035	1/2	10,742	1/2	625	1/2		1/2			
3/4	61,742	3/4	51,448	3/4	41,154	3/4	30,924	3/4	20,821	3/4	10,528	3/4	478	3/4		3/4			
1	61,527	1	51,234	1	40,940	1	30,715	1	20,606	1	10,313	1	331	1		1			
1/4	61,313	1/4	51,019	1/4	40,726	1/4	30,507	1/4	20,392	1/4	10,099	1/4	266	1/4		1/4			
1/2	61,098	1/2	50,805	1/2	40,511	1/2	30,299	1/2	20,178	1/2	9,884	1/2	202	1/2		1/2			
3/4	60,884	3/4	50,590	3/4	40,297	3/4	30,091	3/4	19,963	3/4	9,670	3/4	138	3/4		3/4			
2	60,669	2	50,376	2	40,082	2	29,883	2	19,749	2	9,456	2	74	2		2			
1/4	60,455	1/4	50,161	1/4	39,868	1/4	29,675	1/4	19,534	1/4	9,241	1/4		1/4		1/4			
1/2	60,240	1/2	49,947	1/2	39,653	1/2	29,466	1/2	19,320	1/2	9,027	1/2		1/2		1/2			
3/4	60,026	3/4	49,732	3/4	39,439	3/4	29,258	3/4	19,105	3/4	8,812	3/4		3/4		3/4			
3	59,812	3	49,518	3	39,224	3	29,050	3	18,891	3	8,598	3		3		3			
1/4	59,597	1/4	49,304	1/4	39,010	1/4	28,842	1/4	18,676	1/4	8,383	1/4		1/4		1/4			
1/2	59,383	1/2	49,089	1/2	38,795	1/2	28,634	1/2	18,462	1/2	8,169	1/2		1/2		1/2			
3/4	59,168	3/4	48,875	3/4	38,581	3/4	28,426	3/4	18,248	3/4	7,954	3/4		3/4		3/4			
4	58,954	4	48,660	4	38,367	4	28,217	4	18,033	4	7,740	4		4		4			
1/4	58,739	1/4	48,446	1/4	38,152	1/4	28,009	1/4	17,819	1/4	7,526	1/4		1/4		1/4			
1/2	58,525	1/2	48,231	1/2	37,938	1/2	27,801	1/2	17,604	1/2	7,311	1/2		1/2		1/2			
3/4	58,310	3/4	48,017	3/4	37,723	3/4	27,593	3/4	17,390	3/4	7,097	3/4		3/4		3/4			
5	58,096	5	47,802	5	37,509	5	27,385	5	17,175	5	6,882	5		5		5			
1/4	57,882	1/4	47,588	1/4	37,294	1/4	27,177	1/4	16,961	1/4	6,668	1/4		1/4		1/4			
1/2	57,667	1/2	47,373	1/2	37,080	1/2	26,969	1/2	16,747	1/2	6,453	1/2		1/2		1/2			
3/4	57,453	3/4	47,159	3/4	36,866	3/4	26,760	3/4	16,532	3/4	6,239	3/4		3/4		3/4			
6	57,238	6	46,945	6	36,651	6	26,552	6	16,318	6	6,024	6		6		6			
1/4	57,024	1/4	46,730	1/4	36,437	1/4	26,344	1/4	16,103	1/4	5,810	1/4		1/4		1/4			
1/2	56,809	1/2	46,516	1/2	36,222	1/2	26,136	1/2	15,889	1/2	5,596	1/2		1/2		1/2			
3/4	56,595	3/4	46,301	3/4	36,008	3/4	25,928	3/4	15,674	3/4	5,381	3/4		3/4		3/4			
7	56,380	7	46,087	7	35,793	7	25,720	7	15,460	7	5,167	7		7		7			
1/4	56,166	1/4	45,872	1/4	35,579	1/4	25,512	1/4	15,245	1/4	4,952	1/4		1/4		1/4			
1/2	55,951	1/2	45,658	1/2	35,364	1/2	25,305	1/2	15,031	1/2	4,738	1/2		1/2		1/2			
3/4	55,737	3/4	45,443	3/4	35,150	3/4	25,097	3/4	14,817	3/4	4,523	3/4		3/4		3/4			
8	55,523	8	45,229	8	34,935	8	24,889	8	14,602	8	4,309	8		8		8			
1/4	55,308	1/4	45,015	1/4	34,721	1/4	24,676	1/4	14,388	1/4	4,095	1/4		1/4		1/4			
1/2	55,094	1/2	44,800	1/2	34,506	1/2	24,463	1/2	14,173	1/2	3,880	1/2		1/2		1/2			
3/4	54,879	3/4	44,586	3/4	34,292	3/4	24,250	3/4	13,959	3/4	3,666	3/4		3/4		3/4			
9	54,665	9	44,371	9	34,078	9	24,038	9	13,744	9	3,451	9		9		9			
1/4	54,450	1/4	44,157	1/4	33,863	1/4	23,823	1/4	13,530	1/4	3,237	1/4		1/4		1/4			
1/2	54,236	1/2	43,942	1/2	33,649	1/2	23,609	1/2	13,315	1/2	3,023	1/2		1/2		1/2			
3/4	54,021	3/4	43,728	3/4	33,434	3/4	23,394	3/4	13,101	3/4	2,808	3/4		3/4		3/4			
10	53,807	10	43,513	10	33,220	10	23,180	10	12,887	10	2,594	10		10		10			
1/4	53,593	1/4	43,299	1/4	33,010	1/4	22,965	1/4	12,672	1/4	2,381	1/4		1/4		1/4			
1/2	53,378	1/2	43,084	1/2	32,800	1/2	22,751	1/2	12,458	1/2	2,167	1/2		1/2		1/2			
3/4	53,164	3/4	42,870	3/4	32,591	3/4	22,536	3/4	12,243	3/4	1,953	3/4		3/4		3/4			
11	52,949	11	42,656	11	32,381	11	22,322	11	12,029	11	1,740	11		11		11			
1/4	52,735	1/4	42,441	1/4	32,173	1/4	22,108	1/4	11,814	1/4	1,535	1/4		1/4		1/4			
1/2	52,520	1/2	42,227	1/2	31,964	1/2	21,893	1/2	11,600	1/2	1,329	1/2		1/2		1/2			
3/4	52,306	3/4	42,012	3/4	31,756	3/4	21,679	3/4	11,385	3/4	1,124	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/30/2020 CL  
 CALCULATED: 03/31/2020 CL  
 PRINTED: 03/31/2020 SW  
 CANCELS AND SUPERCEDES  
 ALL PRIOR TO 03/2020

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



# BARGE "IB 1319"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-01 1/2"

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	155,148	0	145,573	0	135,204	0	124,836	0	114,467	0	104,099	0	93,731	0	83,362	0	72,994	
1/4	1/4	155,089	1/2	145,514	3/4	134,988	1/4	124,620	1/2	114,251	3/4	103,883	1/4	93,515	1/2	83,146	3/4	72,778	
1/2	1/2	155,031	1/2	145,471	1/2	134,941	1/2	124,580	1/2	114,210	1/2	103,842	1/2	93,476	1/2	83,107	1/2	72,739	
3/4	3/4	154,905	3/4	144,925	3/4	134,556	3/4	124,188	3/4	113,819	3/4	103,451	3/4	93,083	3/4	82,714	3/4	72,346	
1	1	154,779	1	144,709	1	134,409	1	123,972	1	113,603	1	103,235	1	92,867	1	82,498	1	71,910	
1/4	1/4	154,653	1/4	144,493	1/4	134,124	1/4	123,546	1/4	113,387	1/4	103,019	1/4	92,651	1/4	82,282	1/4	71,644	
1/2	1/2	154,527	1/2	144,277	1/2	133,908	1/2	123,508	1/2	113,171	1/2	102,803	1/2	92,435	1/2	82,066	1/2	71,598	
3/4	3/4	154,337	3/4	144,061	3/4	133,692	3/4	123,324	3/4	112,955	3/4	102,587	3/4	92,219	3/4	81,850	3/4	71,482	
2	2	154,146	2	143,845	2	133,476	2	123,108	2	112,739	2	102,371	2	92,003	2	81,634	2	71,266	
1/4	1/4	153,956	1/4	143,629	1/4	133,260	1/4	122,892	1/4	112,523	1/4	102,155	1/4	91,786	1/4	81,418	1/4	71,050	
1/2	1/2	153,766	1/2	143,413	1/2	133,044	1/2	122,676	1/2	112,307	1/2	101,939	1/2	91,570	1/2	81,202	1/2	70,834	
3/4	3/4	153,553	3/4	143,197	3/4	132,828	3/4	122,460	3/4	112,091	3/4	101,723	3/4	91,354	3/4	80,966	3/4	70,618	
3	3	153,340	3	142,981	3	132,612	3	122,244	3	111,875	3	101,507	3	91,138	3	80,770	3	70,402	
1/4	1/4	153,128	1/4	142,765	1/4	132,396	1/4	122,028	1/4	111,659	1/4	101,291	1/4	90,922	1/4	80,554	1/4	70,186	
1/2	1/2	152,915	1/2	142,549	1/2	132,180	1/2	121,812	1/2	111,443	1/2	101,075	1/2	90,706	1/2	80,338	1/2	69,970	
3/4	3/4	152,700	3/4	142,333	3/4	131,964	3/4	121,596	3/4	111,227	3/4	100,859	3/4	90,490	3/4	80,122	3/4	69,754	
4	4	152,484	4	142,117	4	131,748	4	121,380	4	111,011	4	100,643	4	90,274	4	80,000	4	69,538	
1/4	1/4	152,268	1/4	141,901	1/4	131,532	1/4	121,164	1/4	110,795	1/4	100,427	1/4	90,058	1/4	79,906	1/4	69,322	
1/2	1/2	152,053	1/2	141,685	1/2	131,316	1/2	120,948	1/2	110,579	1/2	100,211	1/2	89,842	1/2	79,690	1/2	69,106	
3/4	3/4	151,837	3/4	141,469	3/4	131,100	3/4	120,732	3/4	110,363	3/4	99,995	3/4	89,626	3/4	79,528	3/4	68,900	
5	5	151,621	5	141,253	5	130,884	5	120,516	5	110,147	5	99,779	5	89,410	5	79,360	5	68,674	
1/4	1/4	151,405	1/4	141,037	1/4	130,668	1/4	120,300	1/4	109,931	1/4	99,563	1/4	89,194	1/4	79,206	1/4	68,448	
1/2	1/2	151,189	1/2	140,821	1/2	130,452	1/2	120,084	1/2	109,715	1/2	99,347	1/2	88,978	1/2	79,030	1/2	68,241	
3/4	3/4	150,973	3/4	140,605	3/4	130,236	3/4	119,868	3/4	109,499	3/4	99,131	3/4	88,762	3/4	78,834	3/4	68,025	
6	6	150,757	6	140,389	6	130,020	6	119,652	6	109,283	6	98,915	6	88,546	6	78,618	6	67,809	
1/4	1/4	150,541	1/4	140,173	1/4	129,804	1/4	119,436	1/4	109,067	1/4	98,699	1/4	88,330	1/4	78,402	1/4	67,593	
1/2	1/2	150,325	1/2	139,957	1/2	129,588	1/2	119,220	1/2	108,851	1/2	98,483	1/2	88,114	1/2	78,186	1/2	67,377	
3/4	3/4	150,109	3/4	139,741	3/4	129,372	3/4	119,004	3/4	108,635	3/4	98,267	3/4	87,898	3/4	77,970	3/4	67,161	
7	7	149,893	7	139,525	7	129,156	7	118,788	7	108,419	7	98,051	7	87,682	7	77,754	7	66,945	
1/4	1/4	149,677	1/4	139,309	1/4	128,940	1/4	118,572	1/4	108,203	1/4	97,835	1/4	87,466	1/4	77,538	1/4	66,729	
1/2	1/2	149,461	1/2	139,093	1/2	128,724	1/2	118,356	1/2	107,987	1/2	97,619	1/2	87,250	1/2	77,322	1/2	66,513	
3/4	3/4	149,245	3/4	138,877	3/4	128,508	3/4	118,140	3/4	107,771	3/4	97,403	3/4	87,034	3/4	77,106	3/4	66,297	
8	8	149,029	8	138,660	8	128,292	8	117,924	8	107,555	8	97,187	8	86,818	8	76,890	8	66,081	
1/4	1/4	148,813	1/4	138,444	1/4	128,076	1/4	117,708	1/4	107,339	1/4	96,971	1/4	86,602	1/4	76,674	1/4	65,865	
1/2	1/2	148,597	1/2	138,228	1/2	127,860	1/2	117,492	1/2	107,123	1/2	96,755	1/2	86,386	1/2	76,458	1/2	65,649	
3/4	3/4	148,381	3/4	138,012	3/4	127,644	3/4	117,276	3/4	106,907	3/4	96,539	3/4	86,170	3/4	76,242	3/4	65,433	
9	9	148,165	9	137,796	9	127,428	9	117,060	9	106,691	9	96,323	9	85,954	9	76,026	9	65,217	
1/4	1/4	147,949	1/4	137,580	1/4	127,212	1/4	116,844	1/4	106,475	1/4	96,107	1/4	85,738	1/4	75,810	1/4	65,001	
1/2	1/2	147,733	1/2	137,364	1/2	126,996	1/2	116,628	1/2	106,259	1/2	95,891	1/2	85,522	1/2	75,594	1/2	64,785	
3/4	3/4	147,517	3/4	137,148	3/4	126,780	3/4	116,412	3/4	106,043	3/4	95,675	3/4	85,306	3/4	75,378	3/4	64,569	
10	10	147,301	10	136,932	10	126,564	10	116,196	10	105,827	10	95,459	10	85,090	10	75,162	10	64,353	
1/4	1/4	147,085	1/4	136,716	1/4	126,348	1/4	115,980	1/4	105,611	1/4	95,243	1/4	84,874	1/4	74,946	1/4	64,137	
1/2	1/2	146,869	1/2	136,500	1/2	126,132	1/2	115,764	1/2	105,395	1/2	95,027	1/2	84,658	1/2	74,730	1/2	63,921	
3/4	3/4	146,653	3/4	136,284	3/4	125,916	3/4	115,548	3/4	105,179	3/4	94,811	3/4	84,442	3/4	74,514	3/4	63,705	
11	11	146,437	11	136,068	11	125,700	11	115,331	11	104,963	11	94,595	11	84,226	11	74,298	11	63,489	
1/4	1/4	146,221	1/4	135,852	1/4	125,484	1/4	115,115	1/4	104,747	1/4	94,379	1/4	84,010	1/4	74,082	1/4	63,273	
1/2	1/2	146,005	1/2	135,636	1/2	125,268	1/2	114,899	1/2	104,531	1/2	94,163	1/2	83,794	1/2	73,866	1/2	63,057	
3/4	3/4	145,789	3/4	135,420	3/4	125,052	3/4	114,683	3/4	104,315	3/4	93,947	3/4	83,578	3/4	73,650	3/4	62,841	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH NFPA CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO 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  
 http://www.pmaacorp.net



# BARGE "IB 1319"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	62,625	0	52,257	0	41,888	0	31,527	0	21,188	0	10,820	0	629	0	0	0	0	0	0
1/4	62,409	1/4	52,041	1/4	41,672	1/4	31,312	1/4	20,972	1/4	10,604	1/4	481	1/4	1/4	1/4	1/4	1/4	1/4
1/2	62,193	1/2	51,825	1/2	41,456	1/2	31,096	1/2	20,756	1/2	10,388	1/2	333	1/2	1/2	1/2	1/2	1/2	1/2
3/4	61,977	3/4	51,609	3/4	41,240	3/4	30,881	3/4	20,540	3/4	10,172	3/4	268	3/4	3/4	3/4	3/4	3/4	3/4
1	61,761	1	51,393	1	41,024	1	30,666	1	20,324	1	9,956	1	204	1	1	1	1	1	1
1/4	61,545	1/4	51,177	1/4	40,808	1/4	30,451	1/4	20,108	1/4	9,740	1/4	139	1/4	1/4	1/4	1/4	1/4	1/4
1/2	61,329	1/2	50,961	1/2	40,592	1/2	30,236	1/2	19,892	1/2	9,524	1/2	74	1/2	1/2	1/2	1/2	1/2	1/2
3/4	61,113	3/4	50,745	3/4	40,376	3/4	30,021	3/4	19,676	3/4	9,308	3/4	74	3/4	3/4	3/4	3/4	3/4	3/4
2	60,897	2	50,529	2	40,160	2	29,806	2	19,460	2	9,092	2	2	2	2	2	2	2	2
1/4	60,681	1/4	50,313	1/4	39,944	1/4	29,591	1/4	19,244	1/4	8,876	1/4	74	1/4	1/4	1/4	1/4	1/4	1/4
1/2	60,465	1/2	50,097	1/2	39,728	1/2	29,376	1/2	19,028	1/2	8,660	1/2	74	1/2	1/2	1/2	1/2	1/2	1/2
3/4	60,249	3/4	49,881	3/4	39,512	3/4	29,161	3/4	18,812	3/4	8,444	3/4	74	3/4	3/4	3/4	3/4	3/4	3/4
3	60,033	3	49,665	3	39,296	3	28,946	3	18,596	3	8,228	3	3	3	3	3	3	3	3
1/4	59,817	1/4	49,449	1/4	39,080	1/4	28,731	1/4	18,380	1/4	8,012	1/4	74	1/4	1/4	1/4	1/4	1/4	1/4
1/2	59,601	1/2	49,233	1/2	38,864	1/2	28,516	1/2	18,164	1/2	7,796	1/2	74	1/2	1/2	1/2	1/2	1/2	1/2
3/4	59,385	3/4	49,017	3/4	38,648	3/4	28,301	3/4	17,948	3/4	7,580	3/4	74	3/4	3/4	3/4	3/4	3/4	3/4
4	59,169	4	48,801	4	38,432	4	28,086	4	17,732	4	7,364	4	4	4	4	4	4	4	4
1/4	58,953	1/4	48,585	1/4	38,216	1/4	27,871	1/4	17,516	1/4	7,148	1/4	74	1/4	1/4	1/4	1/4	1/4	1/4
1/2	58,737	1/2	48,369	1/2	38,000	1/2	27,656	1/2	17,300	1/2	6,932	1/2	74	1/2	1/2	1/2	1/2	1/2	1/2
3/4	58,521	3/4	48,153	3/4	37,784	3/4	27,441	3/4	17,084	3/4	6,716	3/4	74	3/4	3/4	3/4	3/4	3/4	3/4
5	58,305	5	47,937	5	37,568	5	27,226	5	16,868	5	6,500	5	5	5	5	5	5	5	5
1/4	58,089	1/4	47,721	1/4	37,352	1/4	27,011	1/4	16,652	1/4	6,284	1/4	74	1/4	1/4	1/4	1/4	1/4	1/4
1/2	57,873	1/2	47,505	1/2	37,136	1/2	26,796	1/2	16,436	1/2	6,068	1/2	74	1/2	1/2	1/2	1/2	1/2	1/2
3/4	57,657	3/4	47,289	3/4	36,920	3/4	26,581	3/4	16,220	3/4	5,852	3/4	74	3/4	3/4	3/4	3/4	3/4	3/4
6	57,441	6	47,073	6	36,704	6	26,366	6	16,004	6	5,636	6	6	6	6	6	6	6	6
1/4	57,225	1/4	46,857	1/4	36,488	1/4	26,151	1/4	15,788	1/4	5,420	1/4	74	1/4	1/4	1/4	1/4	1/4	1/4
1/2	57,009	1/2	46,641	1/2	36,272	1/2	25,936	1/2	15,572	1/2	5,204	1/2	74	1/2	1/2	1/2	1/2	1/2	1/2
3/4	56,793	3/4	46,425	3/4	36,056	3/4	25,721	3/4	15,356	3/4	4,988	3/4	74	3/4	3/4	3/4	3/4	3/4	3/4
7	56,577	7	46,209	7	35,840	7	25,505	7	15,140	7	4,772	7	7	7	7	7	7	7	7
1/4	56,361	1/4	45,993	1/4	35,624	1/4	25,290	1/4	14,924	1/4	4,556	1/4	74	1/4	1/4	1/4	1/4	1/4	1/4
1/2	56,145	1/2	45,777	1/2	35,408	1/2	25,075	1/2	14,708	1/2	4,340	1/2	74	1/2	1/2	1/2	1/2	1/2	1/2
3/4	55,929	3/4	45,561	3/4	35,192	3/4	24,860	3/4	14,492	3/4	4,124	3/4	74	3/4	3/4	3/4	3/4	3/4	3/4
8	55,713	8	45,345	8	34,976	8	24,644	8	14,276	8	3,908	8	8	8	8	8	8	8	8
1/4	55,497	1/4	45,129	1/4	34,760	1/4	24,428	1/4	14,060	1/4	3,692	1/4	74	1/4	1/4	1/4	1/4	1/4	1/4
1/2	55,281	1/2	44,912	1/2	34,544	1/2	24,212	1/2	13,844	1/2	3,476	1/2	74	1/2	1/2	1/2	1/2	1/2	1/2
3/4	55,065	3/4	44,696	3/4	34,328	3/4	23,996	3/4	13,628	3/4	3,261	3/4	74	3/4	3/4	3/4	3/4	3/4	3/4
9	54,849	9	44,480	9	34,112	9	23,780	9	13,412	9	3,045	9	9	9	9	9	9	9	9
1/4	54,633	1/4	44,264	1/4	33,896	1/4	23,564	1/4	13,196	1/4	2,829	1/4	74	1/4	1/4	1/4	1/4	1/4	1/4
1/2	54,417	1/2	44,048	1/2	33,680	1/2	23,348	1/2	12,980	1/2	2,613	1/2	74	1/2	1/2	1/2	1/2	1/2	1/2
3/4	54,201	3/4	43,832	3/4	33,465	3/4	23,132	3/4	12,764	3/4	2,398	3/4	74	3/4	3/4	3/4	3/4	3/4	3/4
10	53,985	10	43,616	10	33,249	10	22,916	10	12,548	10	2,183	10	10	10	10	10	10	10	10
1/4	53,769	1/4	43,400	1/4	33,034	1/4	22,700	1/4	12,332	1/4	1,968	1/4	74	1/4	1/4	1/4	1/4	1/4	1/4
1/2	53,553	1/2	43,184	1/2	32,818	1/2	22,484	1/2	12,116	1/2	1,753	1/2	74	1/2	1/2	1/2	1/2	1/2	1/2
3/4	53,337	3/4	42,968	3/4	32,603	3/4	22,268	3/4	11,900	3/4	1,546	3/4	74	3/4	3/4	3/4	3/4	3/4	3/4
11	53,121	11	42,752	11	32,387	11	22,052	11	11,684	11	1,339	11	11	11	11	11	11	11	11
1/4	52,905	1/4	42,536	1/4	32,172	1/4	21,836	1/4	11,468	1/4	1,132	1/4	74	1/4	1/4	1/4	1/4	1/4	1/4
1/2	52,689	1/2	42,320	1/2	31,957	1/2	21,620	1/2	11,252	1/2	926	1/2	74	1/2	1/2	1/2	1/2	1/2	1/2
3/4	52,473	3/4	42,104	3/4	31,742	3/4	21,404	3/4	11,036	3/4	778	3/4	74	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/30/2020 CL  
 CALCULATED: 03/31/2020 CL  
 PRINTED: 03/31/2020 SW  
 CANCELS AND SUPERCEDES  
 ALL PRIOR TO 03/2020

PRECISION MEASUREMENT

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