

6-11-05



### BARGE "IB 1324" 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	- 01-1/8	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 1 CENTER IS 00-1/8"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED ULLAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 163'-03"

April 21, 2020

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

<http://www.pmacorp.net>



# BARGE "IB 1324"

1 CENTER  
ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-01 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	0	169,872	0	160,303	0	150,160	0	139,997	0	129,844	0	119,020	0	107,155	0	95,285	0	83,415	0
1/4	1/4	169,805	1/4	160,091	1/4	149,938	1/4	139,786	1/4	129,633	1/4	118,773	1/4	106,808	1/4	95,038	1/4	83,168	1/4
1/2	1/2	169,738	1/2	159,880	1/2	149,727	1/2	139,574	1/2	129,421	1/2	118,526	1/2	106,661	1/2	94,791	1/2	82,921	1/2
3/4	3/4	169,594	3/4	159,668	3/4	149,516	3/4	139,362	3/4	129,210	3/4	118,279	3/4	106,413	3/4	94,543	3/4	82,673	3/4
1	1	169,449	1	159,457	1	149,304	1	139,151	1	128,998	1	118,032	1	106,166	1	94,296	1	82,428	1
1 1/4	1 1/4	169,304	1 1/4	159,245	1 1/4	149,092	1 1/4	139,939	1 1/4	128,786	1 1/4	117,795	1 1/4	105,819	1 1/4	94,049	1 1/4	82,179	1 1/4
1 1/2	1 1/2	169,160	1 1/2	159,034	1 1/2	148,881	1 1/2	138,728	1 1/2	128,575	1 1/2	117,538	1 1/2	105,671	1 1/2	93,801	1 1/2	81,931	1 1/2
3 1/4	3 1/4	168,955	3 1/4	158,822	3 1/4	148,669	3 1/4	138,516	3 1/4	128,363	3 1/4	117,291	3 1/4	105,424	3 1/4	93,554	3 1/4	81,665	3 1/4
2	2	168,751	2	158,611	2	148,458	2	138,305	2	128,152	2	117,044	2	105,177	2	93,307	2	81,438	2
1 1/4	1 1/4	168,546	1 1/4	158,399	1 1/4	148,246	1 1/4	138,093	1 1/4	127,940	1 1/4	116,797	1 1/4	104,930	1 1/4	93,060	1 1/4	81,192	1 1/4
1 1/2	1 1/2	168,341	1 1/2	158,188	1 1/2	148,035	1 1/2	137,882	1 1/2	127,729	1 1/2	116,550	1 1/2	104,682	1 1/2	92,812	1 1/2	80,945	1 1/2
3 1/4	3 1/4	168,129	3 1/4	157,976	3 1/4	147,823	3 1/4	137,670	3 1/4	127,517	3 1/4	116,303	3 1/4	104,435	3 1/4	92,565	3 1/4	80,699	3 1/4
3	3	167,917	3	157,765	3	147,612	3	137,459	3	127,306	3	116,097	3	104,188	3	92,318	3	80,453	3
1 1/4	1 1/4	167,705	1 1/4	157,553	1 1/4	147,400	1 1/4	137,247	1 1/4	127,094	1 1/4	115,810	1 1/4	103,940	1 1/4	92,070	1 1/4	80,207	1 1/4
1 1/2	1 1/2	167,492	1 1/2	157,342	1 1/2	147,189	1 1/2	137,036	1 1/2	126,883	1 1/2	115,563	1 1/2	103,693	1 1/2	91,823	1 1/2	79,961	1 1/2
3 1/4	3 1/4	167,281	3 1/4	157,130	3 1/4	146,977	3 1/4	136,824	3 1/4	126,671	3 1/4	115,315	3 1/4	103,446	3 1/4	91,576	3 1/4	79,714	3 1/4
4	4	167,070	4	156,919	4	146,766	4	136,613	4	126,460	4	115,068	4	103,198	4	91,329	4	79,468	4
1 1/4	1 1/4	166,859	1 1/4	156,707	1 1/4	146,554	1 1/4	136,401	1 1/4	126,248	1 1/4	114,821	1 1/4	102,951	1 1/4	91,081	1 1/4	79,222	1 1/4
1 1/2	1 1/2	166,648	1 1/2	156,496	1 1/2	146,343	1 1/2	136,190	1 1/2	126,037	1 1/2	114,574	1 1/2	102,704	1 1/2	90,834	1 1/2	78,976	1 1/2
3 1/4	3 1/4	166,437	3 1/4	156,284	3 1/4	146,131	3 1/4	136,978	3 1/4	125,825	3 1/4	114,327	3 1/4	102,457	3 1/4	90,587	3 1/4	78,729	3 1/4
5	5	166,225	5	156,073	5	145,920	5	135,767	5	125,614	5	114,079	5	102,209	5	90,339	5	78,483	5
1 1/4	1 1/4	166,014	1 1/4	155,861	1 1/4	145,708	1 1/4	135,555	1 1/4	125,402	1 1/4	113,832	1 1/4	101,962	1 1/4	90,092	1 1/4	78,237	1 1/4
1 1/2	1 1/2	165,803	1 1/2	155,650	1 1/2	145,497	1 1/2	135,344	1 1/2	125,191	1 1/2	113,585	1 1/2	101,715	1 1/2	89,845	1 1/2	77,991	1 1/2
3 1/4	3 1/4	165,591	3 1/4	155,438	3 1/4	145,285	3 1/4	135,132	3 1/4	124,979	3 1/4	113,337	3 1/4	101,467	3 1/4	89,597	3 1/4	77,744	3 1/4
6	6	165,379	6	155,226	6	145,074	6	134,921	6	124,768	6	113,090	6	101,220	6	89,350	6	77,498	6
1 1/4	1 1/4	165,188	1 1/4	155,015	1 1/4	144,862	1 1/4	134,709	1 1/4	124,568	1 1/4	112,843	1 1/4	100,973	1 1/4	89,103	1 1/4	77,252	1 1/4
1 1/2	1 1/2	164,956	1 1/2	154,803	1 1/2	144,650	1 1/2	134,498	1 1/2	124,345	1 1/2	112,596	1 1/2	100,726	1 1/2	88,856	1 1/2	77,006	1 1/2
3 1/4	3 1/4	164,745	3 1/4	154,592	3 1/4	144,439	3 1/4	134,286	3 1/4	124,120	3 1/4	112,348	3 1/4	100,478	3 1/4	88,608	3 1/4	76,759	3 1/4
7	7	164,533	7	154,380	7	144,227	7	134,074	7	123,966	7	112,101	7	100,231	7	88,361	7	76,513	7
1 1/4	1 1/4	164,322	1 1/4	154,169	1 1/4	144,016	1 1/4	133,883	1 1/4	123,671	1 1/4	111,854	1 1/4	99,984	1 1/4	88,114	1 1/4	76,267	1 1/4
1 1/2	1 1/2	164,110	1 1/2	153,957	1 1/2	143,804	1 1/2	133,651	1 1/2	123,447	1 1/2	111,606	1 1/2	99,736	1 1/2	87,866	1 1/2	76,021	1 1/2
3 1/4	3 1/4	163,899	3 1/4	153,746	3 1/4	143,593	3 1/4	133,440	3 1/4	123,204	3 1/4	111,359	3 1/4	99,489	3 1/4	87,619	3 1/4	75,774	3 1/4
8	8	163,687	8	153,534	8	143,381	8	133,228	8	122,992	8	111,112	8	99,242	8	87,372	8	75,528	8
1 1/4	1 1/4	163,476	1 1/4	153,323	1 1/4	143,170	1 1/4	133,017	1 1/4	122,719	1 1/4	110,864	1 1/4	98,995	1 1/4	87,125	1 1/4	75,282	1 1/4
1 1/2	1 1/2	163,264	1 1/2	153,111	1 1/2	142,958	1 1/2	132,805	1 1/2	122,477	1 1/2	110,617	1 1/2	98,747	1 1/2	86,877	1 1/2	75,036	1 1/2
3 1/4	3 1/4	163,053	3 1/4	152,900	3 1/4	142,747	3 1/4	132,594	3 1/4	122,230	3 1/4	110,370	3 1/4	98,500	3 1/4	86,630	3 1/4	74,789	3 1/4
9	9	162,841	9	152,688	9	142,535	9	132,382	9	121,983	9	110,123	9	98,253	9	86,383	9	74,543	9
1 1/4	1 1/4	162,630	1 1/4	152,477	1 1/4	142,324	1 1/4	132,171	1 1/4	121,736	1 1/4	109,875	1 1/4	98,005	1 1/4	86,135	1 1/4	74,297	1 1/4
1 1/2	1 1/2	162,418	1 1/2	152,265	1 1/2	142,112	1 1/2	131,959	1 1/2	121,489	1 1/2	109,628	1 1/2	97,758	1 1/2	85,888	1 1/2	74,051	1 1/2
3 1/4	3 1/4	162,207	3 1/4	152,054	3 1/4	141,901	3 1/4	131,748	3 1/4	121,242	3 1/4	109,381	3 1/4	97,511	3 1/4	85,641	3 1/4	73,805	3 1/4
10	10	161,995	10	151,842	10	141,689	10	131,536	10	120,995	10	109,133	10	97,263	10	85,394	10	73,559	10
1 1/4	1 1/4	161,784	1 1/4	151,631	1 1/4	141,478	1 1/4	131,325	1 1/4	120,748	1 1/4	108,888	1 1/4	97,016	1 1/4	85,146	1 1/4	73,312	1 1/4
1 1/2	1 1/2	161,572	1 1/2	151,419	1 1/2	141,266	1 1/2	131,113	1 1/2	120,501	1 1/2	108,630	1 1/2	96,769	1 1/2	84,899	1 1/2	73,066	1 1/2
3 1/4	3 1/4	161,361	3 1/4	151,208	3 1/4	141,055	3 1/4	130,902	3 1/4	120,255	3 1/4	108,382	3 1/4	96,522	3 1/4	84,652	3 1/4	72,820	3 1/4
11	11	161,149	11	150,996	11	140,843	11	130,690	11	120,008	11	108,144	11	96,274	11	84,404	11	72,573	11
1 1/4	1 1/4	170,027	1 1/4	160,938	1 1/4	150,785	1 1/4	140,632	1 1/4	119,761	1 1/4	107,897	1 1/4	96,027	1 1/4	84,157	1 1/4	72,327	1 1/4
1 1/2	1 1/2	170,006	1 1/2	160,726	1 1/2	150,573	1 1/2	140,420	1 1/2	119,514	1 1/2	107,650	1 1/2	95,780	1 1/2	83,910	1 1/2	72,081	1 1/2
3 1/4	3 1/4	169,939	3 1/4	160,515	3 1/4	150,362	3 1/4	140,209	3 1/4	119,267	3 1/4	107,402	3 1/4	95,532	3 1/4	83,663	3 1/4	71,834	3 1/4

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.  
P.O. Box 2082  
Pearland, Texas 77688  
<http://www.pmacorp.net>



# BARGE "IB 1324"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 18'-01 1/2"

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	71,587	0	59,722	0	47,857	0	36,068	0	24,444	0	12,560	0	867	0		0		0	
1/4	71,340	1/4	59,475	1/4	47,610	1/4	35,829	1/4	24,197	1/4	12,312	1/4	697	1/4				1/4	
1/2	71,093	1/2	59,228	1/2	47,363	1/2	35,590	1/2	23,950	1/2	12,064	1/2	527	1/2				1/2	
3/4	70,846	3/4	58,981	3/4	47,115	3/4	35,351	3/4	23,702	3/4	11,817	3/4	453	3/4				3/4	
1	70,599	1	58,733	1	46,868	1	35,113	1	23,455	1	11,569	1	378	1				1	
1 1/4	70,351	1 1/4	58,486	1 1/4	46,621	1 1/4	34,874	1 1/4	23,208	1 1/4	11,321	1 1/4	304	1 1/4				1 1/4	
1 1/2	70,104	1 1/2	58,239	1 1/2	46,374	1 1/2	34,635	1 1/2	22,960	1 1/2	11,073	1 1/2	230	1 1/2				1 1/2	
1 3/4	69,857	1 3/4	57,992	1 3/4	46,127	1 3/4	34,396	1 3/4	22,713	1 3/4	10,825	1 3/4		1 3/4				1 3/4	
2	69,610	2	57,745	2	45,879	2	34,158	2	22,465	2	10,577	2		2				2	
2 1/4	69,363	2 1/4	57,497	2 1/4	45,632	2 1/4	33,919	2 1/4	22,218	2 1/4	10,330	2 1/4		2 1/4				2 1/4	
2 1/2	69,115	2 1/2	57,250	2 1/2	45,385	2 1/2	33,680	2 1/2	21,971	2 1/2	10,082	2 1/2		2 1/2				2 1/2	
2 3/4	68,868	2 3/4	57,003	2 3/4	45,138	2 3/4	33,441	2 3/4	21,723	2 3/4	9,834	2 3/4		2 3/4				2 3/4	
3	68,621	3	56,756	3	44,891	3	33,203	3	21,475	3	9,586	3		3				3	
3 1/4	68,374	3 1/4	56,509	3 1/4	44,644	3 1/4	32,964	3 1/4	21,228	3 1/4	9,338	3 1/4		3 1/4				3 1/4	
3 1/2	68,127	3 1/2	56,261	3 1/2	44,396	3 1/2	32,725	3 1/2	20,981	3 1/2	9,090	3 1/2		3 1/2				3 1/2	
3 3/4	67,880	3 3/4	56,014	3 3/4	44,149	3 3/4	32,486	3 3/4	20,734	3 3/4	8,842	3 3/4		3 3/4				3 3/4	
4	67,632	4	55,767	4	43,902	4	32,248	4	20,487	4	8,595	4		4				4	
4 1/4	67,385	4 1/4	55,520	4 1/4	43,655	4 1/4	32,009	4 1/4	20,239	4 1/4	8,347	4 1/4		4 1/4				4 1/4	
4 1/2	67,138	4 1/2	55,273	4 1/2	43,407	4 1/2	31,770	4 1/2	19,992	4 1/2	8,099	4 1/2		4 1/2				4 1/2	
4 3/4	66,891	4 3/4	55,026	4 3/4	43,160	4 3/4	31,531	4 3/4	19,745	4 3/4	7,851	4 3/4		4 3/4				4 3/4	
5	66,644	5	54,778	5	42,913	5	31,292	5	19,497	5	7,603	5		5				5	
5 1/4	66,396	5 1/4	54,531	5 1/4	42,666	5 1/4	31,054	5 1/4	19,250	5 1/4	7,355	5 1/4		5 1/4				5 1/4	
5 1/2	66,149	5 1/2	54,284	5 1/2	42,419	5 1/2	30,815	5 1/2	19,003	5 1/2	7,108	5 1/2		5 1/2				5 1/2	
5 3/4	65,902	5 3/4	54,037	5 3/4	42,172	5 3/4	30,575	5 3/4	18,755	5 3/4	6,860	5 3/4		5 3/4				5 3/4	
6	65,655	6	53,790	6	41,924	6	30,334	6	18,507	6	6,612	6		6				6	
6 1/4	65,408	6 1/4	53,542	6 1/4	41,677	6 1/4	30,094	6 1/4	18,260	6 1/4	6,364	6 1/4		6 1/4				6 1/4	
6 1/2	65,160	6 1/2	53,295	6 1/2	41,430	6 1/2	29,854	6 1/2	18,012	6 1/2	6,116	6 1/2		6 1/2				6 1/2	
6 3/4	64,913	6 3/4	53,048	6 3/4	41,183	6 3/4	29,613	6 3/4	17,764	6 3/4	5,868	6 3/4		6 3/4				6 3/4	
7	64,666	7	52,801	7	40,936	7	29,372	7	17,517	7	5,621	7		7				7	
7 1/4	64,419	7 1/4	52,554	7 1/4	40,688	7 1/4	29,131	7 1/4	17,268	7 1/4	5,373	7 1/4		7 1/4				7 1/4	
7 1/2	64,172	7 1/2	52,306	7 1/2	40,441	7 1/2	28,890	7 1/2	17,020	7 1/2	5,125	7 1/2		7 1/2				7 1/2	
7 3/4	63,924	7 3/4	52,059	7 3/4	40,194	7 3/4	28,644	7 3/4	16,773	7 3/4	4,877	7 3/4		7 3/4				7 3/4	
8	63,677	8	51,812	8	39,947	8	28,399	8	16,525	8	4,629	8		8				8	
8 1/4	63,430	8 1/4	51,565	8 1/4	39,700	8 1/4	28,153	8 1/4	16,277	8 1/4	4,381	8 1/4		8 1/4				8 1/4	
8 1/2	63,183	8 1/2	51,318	8 1/2	39,452	8 1/2	27,907	8 1/2	16,029	8 1/2	4,134	8 1/2		8 1/2				8 1/2	
8 3/4	62,936	8 3/4	51,070	8 3/4	39,205	8 3/4	27,660	8 3/4	15,781	8 3/4	3,886	8 3/4		8 3/4				8 3/4	
9	62,688	9	50,823	9	38,958	9	27,412	9	15,534	9	3,638	9		9				9	
9 1/4	62,441	9 1/4	50,576	9 1/4	38,711	9 1/4	27,165	9 1/4	15,286	9 1/4	3,391	9 1/4		9 1/4				9 1/4	
9 1/2	62,194	9 1/2	50,329	9 1/2	38,464	9 1/2	26,918	9 1/2	15,038	9 1/2	3,143	9 1/2		9 1/2				9 1/2	
9 3/4	61,947	9 3/4	50,082	9 3/4	38,223	9 3/4	26,670	9 3/4	14,790	9 3/4	2,895	9 3/4		9 3/4				9 3/4	
10	61,700	10	49,834	10	37,982	10	26,423	10	14,543	10	2,649	10		10				10	
10 1/4	61,453	10 1/4	49,587	10 1/4	37,741	10 1/4	26,176	10 1/4	14,295	10 1/4	2,402	10 1/4		10 1/4				10 1/4	
10 1/2	61,205	10 1/2	49,340	10 1/2	37,500	10 1/2	25,928	10 1/2	14,047	10 1/2	2,156	10 1/2		10 1/2				10 1/2	
10 3/4	60,958	10 3/4	49,093	10 3/4	37,261	10 3/4	25,681	10 3/4	13,799	10 3/4	1,918	10 3/4		10 3/4				10 3/4	
11	60,711	11	48,846	11	37,023	11	25,434	11	13,551	11	1,681	11		11				11	
11 1/4	60,464	11 1/4	48,599	11 1/4	36,784	11 1/4	25,186	11 1/4	13,304	11 1/4	1,444	11 1/4		11 1/4				11 1/4	
11 1/2	60,217	11 1/2	48,351	11 1/2	36,545	11 1/2	24,939	11 1/2	13,056	11 1/2	1,207	11 1/2		11 1/2				11 1/2	
11 3/4	59,969	11 3/4	48,104	11 3/4	36,308	11 3/4	24,692	11 3/4	12,808	11 3/4	1,037	11 3/4		11 3/4				11 3/4	

STRAPPED: 04/21/2020 JS  
CALCULATED: 04/21/2020 CL  
PRINTED: 04/21/2020 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/20/20

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
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# BARGE "IB 1324"

# 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-01 3/4"

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	153,884	0	144,346	0	134,085	0	123,783	0	113,502	0	103,221	0	92,940	0	82,659	0	72,377	
1/4	1/4	153,826	1/4	144,132	1/4	133,850	1/4	123,569	1/4	113,288	1/4	103,007	1/4	92,726	1/4	82,444	1/4	72,163	
1/2	1/2	153,568	1/2	143,917	1/2	133,636	1/2	123,385	1/2	113,074	1/2	102,793	1/2	92,511	1/2	82,230	1/2	71,949	
3/4	3/4	153,510	3/4	143,703	3/4	133,422	3/4	123,141	3/4	112,860	3/4	102,578	3/4	92,297	3/4	82,018	3/4	71,735	
1	1	153,385	1	143,489	1	133,208	1	122,927	1	112,645	1	102,364	1	92,083	1	81,802	1	71,521	
1 1/4	1 1/4	153,280	1 1/4	143,275	1 1/4	132,994	1 1/4	122,712	1 1/4	112,431	1 1/4	102,150	1 1/4	91,869	1 1/4	81,588	1 1/4	71,308	
1 1/2	1 1/2	153,135	1 1/2	143,081	1 1/2	132,780	1 1/2	122,498	1 1/2	112,217	1 1/2	101,836	1 1/2	91,555	1 1/2	81,273	1 1/2	71,022	
1 3/4	1 3/4	153,010	1 3/4	142,847	1 3/4	132,565	1 3/4	122,284	1 3/4	112,003	1 3/4	101,722	1 3/4	91,440	1 3/4	81,159	1 3/4	70,878	
2	2	152,822	2	142,632	2	132,351	2	122,070	2	111,789	2	101,507	2	91,226	2	80,945	2	70,654	
2 1/4	2 1/4	152,633	2 1/4	142,418	2 1/4	132,137	2 1/4	121,856	2 1/4	111,575	2 1/4	101,283	2 1/4	91,012	2 1/4	80,731	2 1/4	70,460	
2 1/2	2 1/2	152,444	2 1/2	142,204	2 1/2	131,923	2 1/2	121,642	2 1/2	111,380	2 1/2	101,079	2 1/2	90,798	2 1/2	80,517	2 1/2	70,235	
2 3/4	2 3/4	152,266	2 3/4	141,990	2 3/4	131,709	2 3/4	121,427	2 3/4	111,146	2 3/4	100,865	2 3/4	90,584	2 3/4	80,302	2 3/4	70,021	
3	3	152,045	3	141,776	3	131,494	3	121,213	3	110,932	3	100,651	3	90,370	3	80,088	3	69,807	
3 1/4	3 1/4	151,834	3 1/4	141,561	3 1/4	131,280	3 1/4	120,989	3 1/4	110,718	3 1/4	100,437	3 1/4	90,155	3 1/4	79,874	3 1/4	69,593	
3 1/2	3 1/2	151,623	3 1/2	141,347	3 1/2	131,066	3 1/2	120,785	3 1/2	110,504	3 1/2	100,222	3 1/2	89,941	3 1/2	79,660	3 1/2	69,379	
3 3/4	3 3/4	151,412	3 3/4	141,133	3 3/4	130,852	3 3/4	120,571	3 3/4	110,289	3 3/4	100,008	3 3/4	89,727	3 3/4	79,448	3 3/4	69,155	
4	4	151,198	4	140,919	4	130,638	4	120,356	4	110,075	4	99,794	4	89,513	4	79,232	4	68,950	
4 1/4	4 1/4	150,985	4 1/4	140,705	4 1/4	130,423	4 1/4	120,142	4 1/4	109,881	4 1/4	99,580	4 1/4	89,299	4 1/4	79,017	4 1/4	68,736	
4 1/2	4 1/2	150,771	4 1/2	140,490	4 1/2	130,209	4 1/2	119,928	4 1/2	109,647	4 1/2	99,386	4 1/2	89,084	4 1/2	78,803	4 1/2	68,522	
4 3/4	4 3/4	150,557	4 3/4	140,276	4 3/4	129,995	4 3/4	119,714	4 3/4	109,433	4 3/4	99,151	4 3/4	88,870	4 3/4	78,589	4 3/4	68,308	
5	5	150,343	5	140,082	5	129,781	5	119,500	5	109,218	5	98,937	5	88,658	5	78,375	5	68,094	
5 1/4	5 1/4	150,129	5 1/4	139,848	5 1/4	129,567	5 1/4	119,285	5 1/4	109,004	5 1/4	98,723	5 1/4	88,442	5 1/4	78,181	5 1/4	67,879	
5 1/2	5 1/2	149,915	5 1/2	139,634	5 1/2	129,352	5 1/2	119,071	5 1/2	108,790	5 1/2	98,509	5 1/2	88,228	5 1/2	77,946	5 1/2	67,685	
5 3/4	5 3/4	149,701	5 3/4	139,419	5 3/4	129,138	5 3/4	118,857	5 3/4	108,576	5 3/4	98,295	5 3/4	88,013	5 3/4	77,732	5 3/4	67,451	
6	6	149,486	6	139,205	6	128,924	6	118,643	6	108,352	6	98,080	6	87,799	6	77,518	6	67,237	
6 1/4	6 1/4	149,272	6 1/4	138,991	6 1/4	128,710	6 1/4	118,429	6 1/4	108,147	6 1/4	97,866	6 1/4	87,585	6 1/4	77,304	6 1/4	67,023	
6 1/2	6 1/2	149,058	6 1/2	138,777	6 1/2	128,496	6 1/2	118,214	6 1/2	107,933	6 1/2	97,682	6 1/2	87,371	6 1/2	77,090	6 1/2	66,808	
6 3/4	6 3/4	148,844	6 3/4	138,563	6 3/4	128,281	6 3/4	118,000	6 3/4	107,719	6 3/4	97,438	6 3/4	87,157	6 3/4	76,875	6 3/4	66,594	
7	7	148,630	7	138,348	7	128,067	7	117,786	7	107,505	7	97,224	7	86,942	7	76,681	7	66,380	
7 1/4	7 1/4	148,416	7 1/4	138,134	7 1/4	127,853	7 1/4	117,572	7 1/4	107,291	7 1/4	97,009	7 1/4	86,728	7 1/4	76,447	7 1/4	66,166	
7 1/2	7 1/2	148,201	7 1/2	137,920	7 1/2	127,639	7 1/2	117,358	7 1/2	107,076	7 1/2	96,795	7 1/2	86,514	7 1/2	76,233	7 1/2	65,952	
7 3/4	7 3/4	147,987	7 3/4	137,706	7 3/4	127,425	7 3/4	117,143	7 3/4	106,862	7 3/4	96,581	7 3/4	86,300	7 3/4	76,019	7 3/4	65,737	
8	8	147,773	8	137,492	8	127,211	8	116,929	8	106,648	8	96,367	8	86,086	8	75,804	8	65,523	
8 1/4	8 1/4	147,559	8 1/4	137,278	8 1/4	126,996	8 1/4	116,715	8 1/4	106,434	8 1/4	96,153	8 1/4	85,871	8 1/4	75,590	8 1/4	65,309	
8 1/2	8 1/2	147,345	8 1/2	137,063	8 1/2	126,782	8 1/2	116,501	8 1/2	106,220	8 1/2	95,939	8 1/2	85,657	8 1/2	75,376	8 1/2	65,095	
8 3/4	8 3/4	147,130	8 3/4	136,849	8 3/4	126,568	8 3/4	116,287	8 3/4	106,008	8 3/4	95,724	8 3/4	85,443	8 3/4	75,162	8 3/4	64,881	
9	9	146,916	9	136,635	9	126,354	9	116,073	9	105,791	9	95,510	9	85,229	9	74,948	9	64,666	
9 1/4	9 1/4	146,702	9 1/4	136,421	9 1/4	126,140	9 1/4	115,858	9 1/4	105,577	9 1/4	95,296	9 1/4	85,015	9 1/4	74,734	9 1/4	64,452	
9 1/2	9 1/2	146,488	9 1/2	136,207	9 1/2	125,925	9 1/2	115,644	9 1/2	105,363	9 1/2	95,082	9 1/2	84,801	9 1/2	74,519	9 1/2	64,238	
9 3/4	9 3/4	146,274	9 3/4	135,992	9 3/4	125,711	9 3/4	115,430	9 3/4	105,149	9 3/4	94,868	9 3/4	84,588	9 3/4	74,305	9 3/4	64,024	
10	10	146,059	10	135,778	10	125,497	10	115,216	10	104,935	10	94,653	10	84,372	10	74,091	10	63,810	
10 1/4	10 1/4	145,845	10 1/4	135,564	10 1/4	125,283	10 1/4	115,002	10 1/4	104,720	10 1/4	94,439	10 1/4	84,158	10 1/4	73,877	10 1/4	63,596	
10 1/2	10 1/2	145,631	10 1/2	135,350	10 1/2	125,069	10 1/2	114,787	10 1/2	104,506	10 1/2	94,226	10 1/2	83,944	10 1/2	73,663	10 1/2	63,381	
10 3/4	10 3/4	145,417	10 3/4	135,136	10 3/4	124,854	10 3/4	114,573	10 3/4	104,292	10 3/4	94,011	10 3/4	83,730	10 3/4	73,448	10 3/4	63,167	
11	11	145,203	11	134,921	11	124,640	11	114,359	11	104,078	11	93,787	11	83,518	11	73,234	11	62,953	
11 1/4	11 1/4	144,988	11 1/4	134,707	11 1/4	124,428	11 1/4	114,145	11 1/4	103,864	11 1/4	93,582	11 1/4	83,301	11 1/4	73,020	11 1/4	62,739	
11 1/2	11 1/2	144,774	11 1/2	134,493	11 1/2	124,212	11 1/2	113,931	11 1/2	103,649	11 1/2	93,368	11 1/2	83,087	11 1/2	72,806	11 1/2	62,525	
11 3/4	11 3/4	144,560	11 3/4	134,279	11 3/4	123,998	11 3/4	113,716	11 3/4	103,435	11 3/4	93,154	11 3/4	82,873	11 3/4	72,592	11 3/4	62,310	

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 2'-06" FORWARD OF AFT BULKHEAD

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
 Pearland, Texas 77688  
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# BARGE "IB 1324"

## 2 CENTER ULLAGE TABLE

DAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 18'-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
0	62,096	0	51,815	0	41,534	0	31,303	0	21,225	0	10,944	0	771	0		0		0		0
1/4	61,882	1/4	51,601	1/4	41,320	1/4	31,095	1/4	21,010	1/4	10,730	1/4	625	1/4						1/4
1/2	61,668	1/2	51,387	1/2	41,105	1/2	30,887	1/2	20,796	1/2	10,516	1/2	478	1/2						1/2
3/4	61,454	3/4	51,172	3/4	40,891	3/4	30,679	3/4	20,582	3/4	10,301	3/4	331	3/4						3/4
1	61,239	1	50,958	1	40,677	1	30,471	1	20,368	1	10,087	1	266	1						1
1 1/4	61,025	1 1/4	50,744	1 1/4	40,463	1 1/4	30,263	1 1/4	20,154	1 1/4	9,873	1 1/4	202	1 1/4						1 1/4
1 1/2	60,811	1 1/2	50,530	1 1/2	40,249	1 1/2	30,055	1 1/2	19,940	1 1/2	9,658	1 1/2	138	1 1/2						1 1/2
3/2	60,597	3/2	50,316	3/2	40,034	3/2	29,847	3/2	19,725	3/2	9,445	3/2	74	3/2						3/2
2	60,383	2	50,101	2	39,820	2	29,639	2	19,511	2	9,230	2		2						2
2 1/4	60,168	2 1/4	49,887	2 1/4	39,608	2 1/4	29,431	2 1/4	19,297	2 1/4	9,016	2 1/4								2 1/4
2 1/2	59,954	2 1/2	49,673	2 1/2	39,392	2 1/2	29,224	2 1/2	19,083	2 1/2	8,802	2 1/2								2 1/2
3 1/4	59,740	3 1/4	49,459	3 1/4	39,178	3 1/4	29,015	3 1/4	18,869	3 1/4	8,588	3 1/4								3 1/4
3	59,526	3	49,245	3	38,963	3	28,808	3	18,654	3	8,374	3								3
3 1/4	59,312	3 1/4	49,030	3 1/4	38,749	3 1/4	28,600	3 1/4	18,440	3 1/4	8,160	3 1/4								3 1/4
3 1/2	59,097	3 1/2	48,816	3 1/2	38,535	3 1/2	28,392	3 1/2	18,226	3 1/2	7,946	3 1/2								3 1/2
3 3/4	58,883	3 3/4	48,602	3 3/4	38,321	3 3/4	28,184	3 3/4	18,012	3 3/4	7,731	3 3/4								3 3/4
4	58,669	4	48,388	4	38,107	4	27,976	4	17,798	4	7,517	4								4
4 1/4	58,455	4 1/4	48,174	4 1/4	37,892	4 1/4	27,768	4 1/4	17,584	4 1/4	7,303	4 1/4								4 1/4
4 1/2	58,241	4 1/2	47,960	4 1/2	37,678	4 1/2	27,560	4 1/2	17,369	4 1/2	7,089	4 1/2								4 1/2
4 3/4	58,027	4 3/4	47,745	4 3/4	37,464	4 3/4	27,352	4 3/4	17,155	4 3/4	6,874	4 3/4								4 3/4
5	57,812	5	47,531	5	37,250	5	27,145	5	16,941	5	6,660	5								5
5 1/4	57,598	5 1/4	47,317	5 1/4	37,038	5 1/4	26,937	5 1/4	16,727	5 1/4	6,446	5 1/4								5 1/4
5 1/2	57,384	5 1/2	47,103	5 1/2	36,822	5 1/2	26,729	5 1/2	16,513	5 1/2	6,232	5 1/2								5 1/2
5 3/4	57,170	5 3/4	46,889	5 3/4	36,607	5 3/4	26,521	5 3/4	16,298	5 3/4	6,018	5 3/4								5 3/4
6	56,956	6	46,674	6	36,393	6	26,313	6	16,084	6	5,804	6								6
6 1/4	56,741	6 1/4	46,460	6 1/4	36,179	6 1/4	26,105	6 1/4	15,870	6 1/4	5,589	6 1/4								6 1/4
6 1/2	56,527	6 1/2	46,246	6 1/2	35,965	6 1/2	25,898	6 1/2	15,656	6 1/2	5,375	6 1/2								6 1/2
6 3/4	56,313	6 3/4	46,032	6 3/4	35,751	6 3/4	25,690	6 3/4	15,442	6 3/4	5,161	6 3/4								6 3/4
7	56,099	7	45,818	7	35,536	7	25,482	7	15,228	7	4,947	7								7
7 1/4	55,885	7 1/4	45,603	7 1/4	35,322	7 1/4	25,275	7 1/4	15,013	7 1/4	4,733	7 1/4								7 1/4
7 1/2	55,670	7 1/2	45,389	7 1/2	35,108	7 1/2	25,067	7 1/2	14,799	7 1/2	4,518	7 1/2								7 1/2
7 3/4	55,456	7 3/4	45,175	7 3/4	34,894	7 3/4	24,859	7 3/4	14,585	7 3/4	4,304	7 3/4								7 3/4
8	55,242	8	44,961	8	34,680	8	24,647	8	14,371	8	4,090	8								8
8 1/4	55,028	8 1/4	44,747	8 1/4	34,465	8 1/4	24,434	8 1/4	14,157	8 1/4	3,876	8 1/4								8 1/4
8 1/2	54,814	8 1/2	44,532	8 1/2	34,251	8 1/2	24,222	8 1/2	13,942	8 1/2	3,662	8 1/2								8 1/2
8 3/4	54,599	8 3/4	44,318	8 3/4	34,037	8 3/4	24,009	8 3/4	13,728	8 3/4	3,448	8 3/4								8 3/4
9	54,385	9	44,104	9	33,823	9	23,795	9	13,514	9	3,234	9								9
9 1/4	54,171	9 1/4	43,890	9 1/4	33,609	9 1/4	23,581	9 1/4	13,300	9 1/4	3,020	9 1/4								9 1/4
9 1/2	53,957	9 1/2	43,676	9 1/2	33,394	9 1/2	23,367	9 1/2	13,086	9 1/2	2,806	9 1/2								9 1/2
9 3/4	53,743	9 3/4	43,461	9 3/4	33,180	9 3/4	23,152	9 3/4	12,872	9 3/4	2,592	9 3/4								9 3/4
10	53,529	10	43,247	10	32,971	10	22,938	10	12,657	10	2,378	10								10
10 1/4	53,314	10 1/4	43,033	10 1/4	32,761	10 1/4	22,724	10 1/4	12,443	10 1/4	2,165	10 1/4								10 1/4
10 1/2	53,100	10 1/2	42,819	10 1/2	32,552	10 1/2	22,510	10 1/2	12,229	10 1/2	1,951	10 1/2								10 1/2
10 3/4	52,886	10 3/4	42,605	10 3/4	32,342	10 3/4	22,296	10 3/4	12,015	10 3/4	1,736	10 3/4								10 3/4
11	52,672	11	42,391	11	32,134	11	22,081	11	11,801	11	1,533	11								11
11 1/4	52,458	11 1/4	42,176	11 1/4	31,926	11 1/4	21,867	11 1/4	11,586	11 1/4	1,328	11 1/4								11 1/4
11 1/2	52,243	11 1/2	41,962	11 1/2	31,718	11 1/2	21,653	11 1/2	11,372	11 1/2	1,123	11 1/2								11 1/2
11 3/4	52,029	11 3/4	41,748	11 3/4	31,511	11 3/4	21,439	11 3/4	11,156	11 3/4	918	11 3/4								11 3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/21/2020 JS  
CALCULATED: 04/21/2020 CL  
PRINTED: 04/21/2020 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2020

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2082  
Pearland, Texas 77586  
<http://www.pmacorp.net>



# BARGE "IB 1324"

# 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-01 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	
0	0	154,840	0	145,284	0	134,936	0	124,588	0	114,241	0	103,893	0	93,545	0	83,197	0	72,849	0	
1/4	1/4	154,782	1/4	145,069	1/4	134,721	1/4	124,373	1/4	114,025	1/4	103,677	1/4	93,329	1/4	82,981	1/4	72,633	1/4	
1/2	1/2	154,724	1/2	144,853	1/2	134,505	1/2	124,157	1/2	113,809	1/2	103,462	1/2	93,114	1/2	82,766	1/2	72,418	1/2	
3/4	3/4	154,598	3/4	144,837	3/4	134,280	3/4	123,942	3/4	113,594	3/4	103,246	3/4	92,898	3/4	82,650	3/4	72,202	3/4	
1	1	154,472	1	144,422	1	134,074	1	123,728	1	113,378	1	103,000	1	92,682	1	82,335	1	71,987	1	
1/4	1/4	154,346	1/4	144,206	1/4	133,858	1/4	123,511	1/4	113,163	1/4	102,815	1/4	92,467	1/4	82,119	1/4	71,771	1/4	
1/2	1/2	154,221	1/2	143,991	1/2	133,643	1/2	123,265	1/2	112,947	1/2	102,599	1/2	92,251	1/2	81,903	1/2	71,556	1/2	
3/4	3/4	154,031	3/4	143,775	3/4	133,427	3/4	123,079	3/4	112,731	3/4	102,384	3/4	92,036	3/4	81,658	3/4	71,340	3/4	
2	2	153,841	2	143,560	2	133,212	2	122,864	2	112,516	2	102,168	2	91,820	2	81,472	2	71,124	2	
1/4	1/4	153,851	1/4	143,344	1/4	132,998	1/4	122,648	1/4	112,300	1/4	101,952	1/4	91,605	1/4	81,257	1/4	70,909	1/4	
1/2	1/2	153,461	1/2	143,128	1/2	132,781	1/2	122,433	1/2	112,085	1/2	101,737	1/2	91,389	1/2	81,041	1/2	70,663	1/2	
3/4	3/4	153,249	3/4	142,913	3/4	132,565	3/4	122,217	3/4	111,869	3/4	101,521	3/4	91,173	3/4	80,826	3/4	70,478	3/4	
3	3	153,036	3	142,697	3	132,349	3	122,001	3	111,654	3	101,306	3	90,958	3	80,610	3	70,262	3	
1/4	1/4	152,824	1/4	142,482	1/4	132,134	1/4	121,786	1/4	111,438	1/4	101,080	1/4	90,742	1/4	80,394	1/4	70,047	1/4	
1/2	1/2	152,612	1/2	142,268	1/2	131,918	1/2	121,570	1/2	111,222	1/2	100,875	1/2	90,527	1/2	80,179	1/2	69,831	1/2	
3/4	3/4	152,397	3/4	142,050	3/4	131,703	3/4	121,355	3/4	111,007	3/4	100,659	3/4	90,311	3/4	79,983	3/4	69,615	3/4	
4	4	152,182	4	141,835	4	131,487	4	121,139	4	110,791	4	100,443	4	90,096	4	79,748	4	69,400	4	
1/4	1/4	151,987	1/4	141,619	1/4	131,271	1/4	120,924	1/4	110,576	1/4	100,228	1/4	89,880	1/4	79,532	1/4	69,184	1/4	
1/2	1/2	151,751	1/2	141,404	1/2	131,058	1/2	120,708	1/2	110,360	1/2	100,012	1/2	89,684	1/2	79,316	1/2	68,986	1/2	
3/4	3/4	151,536	3/4	141,188	3/4	130,840	3/4	120,492	3/4	110,145	3/4	99,797	3/4	89,449	3/4	79,101	3/4	68,753	3/4	
5	5	151,320	5	140,973	5	130,625	5	120,277	5	109,929	5	99,581	5	89,233	5	78,885	5	68,537	5	
1/4	1/4	151,105	1/4	140,757	1/4	130,409	1/4	120,061	1/4	109,713	1/4	99,365	1/4	88,918	1/4	78,707	1/4	68,322	1/4	
1/2	1/2	150,889	1/2	140,541	1/2	130,194	1/2	119,846	1/2	109,498	1/2	99,160	1/2	88,802	1/2	78,454	1/2	68,106	1/2	
3/4	3/4	150,674	3/4	140,326	3/4	129,978	3/4	119,630	3/4	109,282	3/4	98,934	3/4	88,586	3/4	78,239	3/4	67,891	3/4	
6	6	150,458	6	140,110	6	129,762	6	119,416	6	109,067	6	98,719	6	88,371	6	78,023	6	67,675	6	
1/4	1/4	150,243	1/4	139,895	1/4	129,547	1/4	119,199	1/4	108,851	1/4	98,563	1/4	88,155	1/4	77,807	1/4	67,460	1/4	
1/2	1/2	150,027	1/2	139,679	1/2	129,331	1/2	118,983	1/2	108,635	1/2	98,288	1/2	87,940	1/2	77,592	1/2	67,244	1/2	
3/4	3/4	149,811	3/4	139,464	3/4	129,116	3/4	118,766	3/4	108,420	3/4	98,072	3/4	87,724	3/4	77,376	3/4	67,028	3/4	
7	7	149,596	7	139,248	7	128,900	7	118,552	7	108,204	7	97,856	7	87,509	7	77,161	7	66,813	7	
1/4	1/4	149,380	1/4	139,032	1/4	128,684	1/4	118,337	1/4	107,989	1/4	97,641	1/4	87,293	1/4	76,946	1/4	66,597	1/4	
1/2	1/2	149,165	1/2	138,817	1/2	128,469	1/2	118,121	1/2	107,773	1/2	97,425	1/2	87,077	1/2	76,730	1/2	66,382	1/2	
3/4	3/4	148,949	3/4	138,601	3/4	128,253	3/4	117,905	3/4	107,556	3/4	97,210	3/4	86,862	3/4	76,514	3/4	66,166	3/4	
8	8	148,733	8	138,386	8	128,038	8	117,690	8	107,342	8	96,994	8	86,646	8	76,298	8	65,950	8	
1/4	1/4	148,518	1/4	138,170	1/4	127,822	1/4	117,474	1/4	107,126	1/4	96,779	1/4	86,431	1/4	76,083	1/4	65,735	1/4	
1/2	1/2	148,302	1/2	137,954	1/2	127,607	1/2	117,259	1/2	106,911	1/2	96,563	1/2	86,215	1/2	75,867	1/2	65,519	1/2	
3/4	3/4	148,087	3/4	137,739	3/4	127,391	3/4	117,043	3/4	106,695	3/4	96,347	3/4	85,999	3/4	75,652	3/4	65,304	3/4	
9	9	147,871	9	137,523	9	127,175	9	116,826	9	106,480	9	96,132	9	85,784	9	75,436	9	65,088	9	
1/4	1/4	147,656	1/4	137,308	1/4	126,960	1/4	116,612	1/4	106,264	1/4	95,916	1/4	85,568	1/4	75,220	1/4	64,873	1/4	
1/2	1/2	147,440	1/2	137,092	1/2	126,744	1/2	116,396	1/2	106,046	1/2	95,701	1/2	85,353	1/2	75,005	1/2	64,657	1/2	
3/4	3/4	147,224	3/4	136,877	3/4	126,529	3/4	116,181	3/4	105,833	3/4	95,486	3/4	85,137	3/4	74,789	3/4	64,441	3/4	
10	10	147,009	10	136,661	10	126,313	10	115,965	10	105,617	10	95,269	10	84,922	10	74,574	10	64,226	10	
1/4	1/4	146,793	1/4	136,445	1/4	126,098	1/4	115,750	1/4	105,402	1/4	95,054	1/4	84,706	1/4	74,358	1/4	64,010	1/4	
1/2	1/2	146,578	1/2	136,230	1/2	125,882	1/2	115,534	1/2	105,186	1/2	94,838	1/2	84,490	1/2	74,143	1/2	63,795	1/2	
3/4	3/4	146,362	3/4	136,014	3/4	125,666	3/4	115,318	3/4	104,971	3/4	94,623	3/4	84,275	3/4	73,927	3/4	63,579	3/4	
11	11	146,147	11	135,799	11	125,451	11	115,103	11	104,755	11	94,407	11	84,059	11	73,711	11	63,363	11	
1/4	1/4	154,975	1/4	145,931	1/4	135,583	1/4	125,235	1/4	114,867	1/4	104,539	1/4	94,192	1/4	83,844	1/4	73,498	1/4	63,148
1/2	1/2	154,957	1/2	145,715	1/2	135,367	1/2	125,020	1/2	114,672	1/2	104,324	1/2	93,976	1/2	83,628	1/2	73,280	1/2	62,932
3/4	3/4	154,899	3/4	145,500	3/4	135,162	3/4	124,804	3/4	114,456	3/4	104,108	3/4	93,760	3/4	83,413	3/4	73,065	3/4	62,717

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 27  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE  
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 24'-00" FORWARD OF AFT BULKHEAD

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "IB 1324"

## 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.	
	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	62,501	0	52,163	0	41,805	0	31,464	0	21,146	0	10,799	0	628	0						
1/4	82,288	1/4	51,938	1/4	41,590	1/4	31,250	1/4	20,931	1/4	10,583	1/4	480	1/4						
1/2	82,070	1/2	51,722	1/2	41,374	1/2	31,035	1/2	20,715	1/2	10,368	1/2	333	1/2						
3/4	61,854	3/4	51,507	3/4	41,159	3/4	30,820	3/4	20,500	3/4	10,162	3/4	288	3/4						
1	61,638	1	51,291	1	40,943	1	30,606	1	20,284	1	9,937	1	203	1						
1/4	61,423	1/4	51,075	1/4	40,728	1/4	30,391	1/4	20,069	1/4	9,721	1/4	139	1/4						
1/2	61,208	1/2	50,860	1/2	40,512	1/2	30,176	1/2	19,853	1/2	9,506	1/2	74	1/2						
3/4	60,992	3/4	50,644	3/4	40,296	3/4	29,962	3/4	19,637	3/4	9,290	3/4		3/4						
2	60,777	2	50,429	2	40,081	2	29,747	2	19,422	2	9,074	2		2						
1/4	60,561	1/4	50,213	1/4	39,865	1/4	29,533	1/4	19,208	1/4	8,859	1/4		1/4						
1/2	60,345	1/2	49,997	1/2	39,650	1/2	29,318	1/2	19,991	1/2	8,643	1/2		1/2						
3/4	60,130	3/4	49,782	3/4	39,434	3/4	29,103	3/4	19,775	3/4	8,428	3/4		3/4						
3	59,914	3	49,568	3	39,218	3	28,889	3	18,560	3	8,212	3		3						
1/4	59,699	1/4	49,351	1/4	39,003	1/4	28,674	1/4	18,344	1/4	7,997	1/4		1/4						
1/2	59,483	1/2	49,135	1/2	38,787	1/2	28,460	1/2	18,128	1/2	7,781	1/2		1/2						
3/4	59,267	3/4	48,920	3/4	38,572	3/4	28,245	3/4	17,913	3/4	7,565	3/4		3/4						
4	59,052	4	48,704	4	38,356	4	28,030	4	17,697	4	7,350	4		4						
1/4	58,836	1/4	48,488	1/4	38,141	1/4	27,816	1/4	17,482	1/4	7,134	1/4		1/4						
1/2	58,621	1/2	48,273	1/2	37,925	1/2	27,601	1/2	17,266	1/2	6,919	1/2		1/2						
3/4	58,405	3/4	48,057	3/4	37,709	3/4	27,387	3/4	17,051	3/4	6,703	3/4		3/4						
5	58,190	5	47,842	5	37,494	5	27,172	5	16,835	5	6,488	5		5						
1/4	57,974	1/4	47,626	1/4	37,278	1/4	26,957	1/4	16,619	1/4	6,272	1/4		1/4						
1/2	57,758	1/2	47,411	1/2	37,063	1/2	26,743	1/2	16,404	1/2	6,056	1/2		1/2						
3/4	57,543	3/4	47,195	3/4	36,847	3/4	26,528	3/4	16,188	3/4	5,841	3/4		3/4						
6	57,327	6	46,979	6	36,631	6	26,313	6	15,973	6	5,625	6		6						
1/4	57,112	1/4	46,764	1/4	36,416	1/4	26,099	1/4	15,757	1/4	5,410	1/4		1/4						
1/2	56,896	1/2	46,548	1/2	36,200	1/2	25,884	1/2	15,542	1/2	5,194	1/2		1/2						
3/4	56,680	3/4	46,333	3/4	35,985	3/4	25,670	3/4	15,326	3/4	4,979	3/4		3/4						
7	56,465	7	46,117	7	35,769	7	25,455	7	15,110	7	4,763	7		7						
1/4	56,249	1/4	45,901	1/4	35,554	1/4	25,240	1/4	14,895	1/4	4,547	1/4		1/4						
1/2	56,034	1/2	45,686	1/2	35,338	1/2	25,026	1/2	14,679	1/2	4,332	1/2		1/2						
3/4	55,818	3/4	45,470	3/4	35,122	3/4	24,810	3/4	14,464	3/4	4,116	3/4		3/4						
8	55,603	8	45,255	8	34,907	8	24,595	8	14,248	8	3,901	8		8						
1/4	55,387	1/4	45,039	1/4	34,691	1/4	24,380	1/4	14,033	1/4	3,685	1/4		1/4						
1/2	55,171	1/2	44,824	1/2	34,476	1/2	24,164	1/2	13,817	1/2	3,470	1/2		1/2						
3/4	54,956	3/4	44,608	3/4	34,260	3/4	23,949	3/4	13,601	3/4	3,254	3/4		3/4						
9	54,740	9	44,392	9	34,045	9	23,733	9	13,386	9	3,039	9		9						
1/4	54,525	1/4	44,177	1/4	33,829	1/4	23,518	1/4	13,170	1/4	2,823	1/4		1/4						
1/2	54,309	1/2	43,961	1/2	33,613	1/2	23,302	1/2	12,955	1/2	2,608	1/2		1/2						
3/4	54,094	3/4	43,746	3/4	33,398	3/4	23,087	3/4	12,739	3/4	2,393	3/4		3/4						
10	53,878	10	43,530	10	33,183	10	22,871	10	12,524	10	2,179	10		10						
1/4	53,662	1/4	43,314	1/4	32,968	1/4	22,655	1/4	12,308	1/4	1,964	1/4		1/4						
1/2	53,447	1/2	43,099	1/2	32,753	1/2	22,440	1/2	12,092	1/2	1,749	1/2		1/2						
3/4	53,231	3/4	42,883	3/4	32,538	3/4	22,224	3/4	11,877	3/4	1,534	3/4		3/4						
11	53,016	11	42,668	11	32,323	11	22,009	11	11,661	11	1,337	11		11						
1/4	52,800	1/4	42,452	1/4	32,108	1/4	21,793	1/4	11,446	1/4	1,130	1/4		1/4						
1/2	52,584	1/2	42,237	1/2	31,894	1/2	21,578	1/2	11,230	1/2	924	1/2		1/2						
3/4	52,369	3/4	42,021	3/4	31,679	3/4	21,362	3/4	11,015	3/4	776	3/4		3/4						

STRAPPED: 04/21/2020 JS  
CALCULATED: 04/21/2020 CL  
PRINTED: 04/21/2020 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2020

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