

GA 11/02/09



BARGE "1B 1321"

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	-00-1/8	00-1/8	-00-3/8	00-3/8	-00-1/2	00-1/2	-00-3/4	00-3/4	-00-7/8	00-7/8	-01-1/8	01-1/8
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:

$$\begin{aligned} \text{FWD. DRAFT} &= 2'-00'' \\ \text{AFT DRAFT} &= \frac{4'-00''}{2'-00''} \\ \text{DIFF.} &= \text{(DOWN BY STERN)} \end{aligned}$$

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 7, 2020

PRECISION MEASUREMENT
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1 CENTER ULLAGE TABLE

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

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	0	170,760	0	161,439	0	151,241	0	141,043	0	130,845	0	120,644	0	108,127	0	96,205	0	84,282
1/4	1/4	1/4	170,693	1/4	161,226	1/4	151,028	1/4	140,830	1/4	130,632	1/4	119,796	1/4	107,879	1/4	95,956	1/4	84,034
1/2	1/2	1/2	170,626	1/2	161,014	1/2	150,816	1/2	140,618	1/2	130,420	1/2	119,584	1/2	107,630	1/2	95,708	1/2	83,785
3/4	3/4	3/4	170,558	3/4	160,802	3/4	150,604	3/4	140,406	3/4	130,208	3/4	119,300	3/4	107,382	3/4	95,459	3/4	83,537
1	1	1	170,491	1	160,589	1	150,391	1	140,193	1	129,995	1	119,052	1	107,134	1	95,211	1	83,288
1 1/4	1 1/4	1 1/4	170,346	1 1/4	160,377	1 1/4	150,179	1 1/4	139,981	1 1/4	129,783	1 1/4	118,804	1 1/4	106,885	1 1/4	94,963	1 1/4	83,040
1 1/2	1 1/2	1 1/2	170,201	1 1/2	160,164	1 1/2	149,966	1 1/2	139,768	1 1/2	129,570	1 1/2	118,556	1 1/2	106,637	1 1/2	94,714	1 1/2	82,792
1 3/4	1 3/4	1 3/4	170,055	1 3/4	159,952	1 3/4	149,754	1 3/4	139,556	1 3/4	129,358	1 3/4	118,308	1 3/4	106,388	1 3/4	94,466	1 3/4	82,543
2	2	2	169,910	2	159,739	2	149,541	2	139,343	2	129,145	2	118,060	2	106,140	2	94,218	2	82,295
2 1/4	2 1/4	2 1/4	169,705	2 1/4	159,527	2 1/4	149,329	2 1/4	139,131	2 1/4	128,933	2 1/4	117,811	2 1/4	105,892	2 1/4	93,969	2 1/4	82,047
2 1/2	2 1/2	2 1/2	169,499	2 1/2	159,314	2 1/2	149,116	2 1/2	138,918	2 1/2	128,720	2 1/2	117,563	2 1/2	105,643	2 1/2	93,721	2 1/2	81,800
2 3/4	2 3/4	2 3/4	169,294	2 3/4	159,102	2 3/4	148,904	2 3/4	138,706	2 3/4	128,508	2 3/4	117,315	2 3/4	105,395	2 3/4	93,472	2 3/4	81,552
3	3	3	169,088	3	158,889	3	148,691	3	138,493	3	128,295	3	117,067	3	105,147	3	93,224	3	81,305
3 1/4	3 1/4	3 1/4	168,875	3 1/4	158,677	3 1/4	148,479	3 1/4	138,281	3 1/4	128,083	3 1/4	116,819	3 1/4	104,898	3 1/4	92,976	3 1/4	81,057
3 1/2	3 1/2	3 1/2	168,662	3 1/2	158,465	3 1/2	148,267	3 1/2	138,069	3 1/2	127,870	3 1/2	116,571	3 1/2	104,650	3 1/2	92,727	3 1/2	80,810
3 3/4	3 3/4	3 3/4	168,448	3 3/4	158,252	3 3/4	148,054	3 3/4	137,856	3 3/4	127,658	3 3/4	116,323	3 3/4	104,401	3 3/4	92,479	3 3/4	80,563
4	4	4	168,235	4	158,040	4	147,842	4	137,644	4	127,446	4	116,075	4	104,153	4	92,230	4	80,315
4 1/4	4 1/4	4 1/4	168,023	4 1/4	157,827	4 1/4	147,629	4 1/4	137,431	4 1/4	127,233	4 1/4	115,827	4 1/4	103,905	4 1/4	91,982	4 1/4	80,068
4 1/2	4 1/2	4 1/2	167,811	4 1/2	157,615	4 1/2	147,417	4 1/2	137,219	4 1/2	127,021	4 1/2	115,579	4 1/2	103,656	4 1/2	91,734	4 1/2	79,821
4 3/4	4 3/4	4 3/4	167,599	4 3/4	157,402	4 3/4	147,204	4 3/4	137,006	4 3/4	126,808	4 3/4	115,330	4 3/4	103,408	4 3/4	91,485	4 3/4	79,573
5	5	5	167,387	5	157,190	5	146,992	5	136,794	5	126,596	5	115,082	5	103,159	5	91,237	5	79,326
5 1/4	5 1/4	5 1/4	167,175	5 1/4	156,977	5 1/4	146,779	5 1/4	136,581	5 1/4	126,383	5 1/4	114,834	5 1/4	102,911	5 1/4	90,988	5 1/4	79,079
5 1/2	5 1/2	5 1/2	166,963	5 1/2	156,765	5 1/2	146,567	5 1/2	136,369	5 1/2	126,171	5 1/2	114,585	5 1/2	102,663	5 1/2	90,740	5 1/2	78,831
5 3/4	5 3/4	5 3/4	166,750	5 3/4	156,552	5 3/4	146,354	5 3/4	136,156	5 3/4	125,958	5 3/4	114,337	5 3/4	102,414	5 3/4	90,492	5 3/4	78,584
6	6	6	166,538	6	156,340	6	146,142	6	135,944	6	125,746	6	114,088	6	102,166	6	90,243	6	78,337
6 1/4	6 1/4	6 1/4	166,325	6 1/4	156,127	6 1/4	145,929	6 1/4	135,721	6 1/4	125,533	6 1/4	113,840	6 1/4	101,918	6 1/4	89,995	6 1/4	78,089
6 1/2	6 1/2	6 1/2	166,113	6 1/2	155,915	6 1/2	145,717	6 1/2	135,519	6 1/2	125,321	6 1/2	113,592	6 1/2	101,669	6 1/2	89,747	6 1/2	77,842
6 3/4	6 3/4	6 3/4	165,901	6 3/4	155,703	6 3/4	145,505	6 3/4	135,307	6 3/4	125,109	6 3/4	113,343	6 3/4	101,421	6 3/4	89,498	6 3/4	77,595
7	7	7	165,688	7	155,490	7	145,292	7	135,094	7	124,896	7	113,095	7	101,172	7	89,250	7	77,347
7 1/4	7 1/4	7 1/4	165,476	7 1/4	155,278	7 1/4	145,080	7 1/4	134,882	7 1/4	124,671	7 1/4	112,847	7 1/4	100,924	7 1/4	89,001	7 1/4	77,100
7 1/2	7 1/2	7 1/2	165,263	7 1/2	155,065	7 1/2	144,863	7 1/2	134,669	7 1/2	124,445	7 1/2	112,598	7 1/2	100,676	7 1/2	88,753	7 1/2	76,853
7 3/4	7 3/4	7 3/4	165,051	7 3/4	154,853	7 3/4	144,655	7 3/4	134,457	7 3/4	124,220	7 3/4	112,350	7 3/4	100,427	7 3/4	88,505	7 3/4	76,605
8	8	8	164,838	8	154,640	8	144,442	8	134,244	8	123,994	8	112,101	8	100,179	8	88,256	8	76,358
8 1/4	8 1/4	8 1/4	164,626	8 1/4	154,428	8 1/4	144,230	8 1/4	134,032	8 1/4	123,751	8 1/4	111,853	8 1/4	99,930	8 1/4	88,008	8 1/4	76,111
8 1/2	8 1/2	8 1/2	164,413	8 1/2	154,215	8 1/2	144,017	8 1/2	133,819	8 1/2	123,507	8 1/2	111,605	8 1/2	99,682	8 1/2	87,759	8 1/2	75,863
8 3/4	8 3/4	8 3/4	164,201	8 3/4	154,003	8 3/4	143,805	8 3/4	133,607	8 3/4	123,264	8 3/4	111,356	8 3/4	99,434	8 3/4	87,511	8 3/4	75,616
9	9	9	163,988	9	153,790	9	143,592	9	133,394	9	123,020	9	111,108	9	99,185	9	87,263	9	75,369
9 1/4	9 1/4	9 1/4	163,776	9 1/4	153,578	9 1/4	143,380	9 1/4	133,182	9 1/4	122,772	9 1/4	110,859	9 1/4	98,937	9 1/4	87,014	9 1/4	75,121
9 1/2	9 1/2	9 1/2	163,564	9 1/2	153,366	9 1/2	143,168	9 1/2	132,970	9 1/2	122,524	9 1/2	110,611	9 1/2	98,688	9 1/2	86,766	9 1/2	74,874
9 3/4	9 3/4	9 3/4	163,351	9 3/4	153,153	9 3/4	142,955	9 3/4	132,757	9 3/4	122,276	9 3/4	110,363	9 3/4	98,440	9 3/4	86,518	9 3/4	74,627
10	10	10	163,139	10	152,941	10	142,743	10	132,545	10	122,028	10	110,114	10	98,192	10	86,269	10	74,379
10 1/4	10 1/4	10 1/4	162,926	10 1/4	152,728	10 1/4	142,530	10 1/4	132,332	10 1/4	121,780	10 1/4	109,866	10 1/4	97,943	10 1/4	86,021	10 1/4	74,132
10 1/2	10 1/2	10 1/2	162,714	10 1/2	152,516	10 1/2	142,318	10 1/2	132,130	10 1/2	121,532	10 1/2	109,618	10 1/2	97,695	10 1/2	85,772	10 1/2	73,885
10 3/4	10 3/4	10 3/4	162,501	10 3/4	152,303	10 3/4	142,105	10 3/4	131,907	10 3/4	121,284	10 3/4	109,369	10 3/4	97,447	10 3/4	85,524	10 3/4	73,637
11	11	11	162,289	11	152,091	11	141,893	11	131,695	11	121,036	11	109,121	11	97,198	11	85,276	11	73,390
11 1/4	11 1/4	11 1/4	162,076	11 1/4	151,878	11 1/4	141,683	11 1/4	131,482	11 1/4	120,788	11 1/4	108,872	11 1/4	96,950	11 1/4	85,027	11 1/4	73,143
11 1/2	11 1/2	11 1/2	161,864	11 1/2	151,666	11 1/2	141,468	11 1/2	131,270	11 1/2	120,540	11 1/2	108,624	11 1/2	96,701	11 1/2	84,779	11 1/2	72,895
11 3/4	11 3/4	11 3/4	161,651	11 3/4	151,453	11 3/4	141,255	11 3/4	131,057	11 3/4	120,292	11 3/4	108,376	11 3/4	96,453	11 3/4	84,530	11 3/4	72,648

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 30'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT & ANALYSIS, INC.

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BARGE "IB 1321"

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	72,401	0	60,464	0	48,566	0	36,707	0	25,050	0	13,114	0	1,212	0	0	0	0	0	0
1/4	72,163	1/4	60,235	1/4	48,318	1/4	36,457	1/4	24,801	1/4	12,865	1/4	1,042	1/4	0	0	0	0	0
1/2	71,904	1/2	59,987	1/2	48,069	1/2	36,228	1/2	24,553	1/2	12,616	1/2	871	1/2	0	0	0	0	0
3/4	71,656	3/4	59,739	3/4	47,821	3/4	35,988	3/4	24,304	3/4	12,367	3/4	700	3/4	0	0	0	0	0
1	71,408	1	59,491	1	47,573	1	35,748	1	24,056	1	12,118	1	529	1	0	0	0	0	0
1 1/4	71,160	1 1/4	59,242	1 1/4	47,324	1 1/4	35,508	1 1/4	23,807	1 1/4	11,869	1 1/4	455	1 1/4	0	0	0	0	0
1 1/2	70,912	1 1/2	58,994	1 1/2	47,076	1 1/2	35,268	1 1/2	23,559	1 1/2	11,620	1 1/2	380	1 1/2	0	0	0	0	0
1 3/4	70,664	1 3/4	58,746	1 3/4	46,828	1 3/4	35,029	1 3/4	23,311	1 3/4	11,371	1 3/4	305	1 3/4	0	0	0	0	0
2	70,415	2	58,497	2	46,580	2	34,789	2	23,062	2	11,122	2	231	2	0	0	0	0	0
2 1/4	70,167	2 1/4	58,249	2 1/4	46,331	2 1/4	34,548	2 1/4	22,814	2 1/4	10,873	2 1/4	0	2 1/4	0	0	0	0	0
2 1/2	69,919	2 1/2	58,001	2 1/2	46,083	2 1/2	34,309	2 1/2	22,565	2 1/2	10,624	2 1/2	0	0	0	0	0	0	0
2 3/4	69,670	2 3/4	57,753	2 3/4	45,835	2 3/4	34,069	2 3/4	22,317	2 3/4	10,375	2 3/4	0	0	0	0	0	0	0
3	69,422	3	57,504	3	45,586	3	33,830	3	22,068	3	10,126	3	0	0	0	0	0	0	0
3 1/4	69,174	3 1/4	57,256	3 1/4	45,338	3 1/4	33,590	3 1/4	21,820	3 1/4	9,878	3 1/4	0	0	0	0	0	0	0
3 1/2	68,925	3 1/2	57,008	3 1/2	45,090	3 1/2	33,350	3 1/2	21,571	3 1/2	9,629	3 1/2	0	0	0	0	0	0	0
3 3/4	68,677	3 3/4	56,759	3 3/4	44,842	3 3/4	33,110	3 3/4	21,323	3 3/4	9,380	3 3/4	0	0	0	0	0	0	0
4	68,429	4	56,511	4	44,593	4	32,870	4	21,075	4	9,131	4	0	0	0	0	0	0	0
4 1/4	68,181	4 1/4	56,263	4 1/4	44,345	4 1/4	32,630	4 1/4	20,826	4 1/4	8,882	4 1/4	0	0	0	0	0	0	0
4 1/2	67,932	4 1/2	56,014	4 1/2	44,097	4 1/2	32,391	4 1/2	20,578	4 1/2	8,633	4 1/2	0	0	0	0	0	0	0
4 3/4	67,684	4 3/4	55,766	4 3/4	43,848	4 3/4	32,151	4 3/4	20,329	4 3/4	8,384	4 3/4	0	0	0	0	0	0	0
5	67,436	5	55,518	5	43,600	5	31,911	5	20,081	5	8,135	5	0	0	0	0	0	0	0
5 1/4	67,187	5 1/4	55,270	5 1/4	43,352	5 1/4	31,671	5 1/4	19,832	5 1/4	7,886	5 1/4	0	0	0	0	0	0	0
5 1/2	66,939	5 1/2	55,021	5 1/2	43,103	5 1/2	31,431	5 1/2	19,584	5 1/2	7,637	5 1/2	0	0	0	0	0	0	0
5 3/4	66,691	5 3/4	54,773	5 3/4	42,855	5 3/4	31,192	5 3/4	19,335	5 3/4	7,388	5 3/4	0	0	0	0	0	0	0
6	66,443	6	54,525	6	42,607	6	30,952	6	19,087	6	7,139	6	0	0	0	0	0	0	0
6 1/4	66,194	6 1/4	54,276	6 1/4	42,359	6 1/4	30,710	6 1/4	18,838	6 1/4	6,890	6 1/4	0	0	0	0	0	0	0
6 1/2	65,946	6 1/2	54,028	6 1/2	42,110	6 1/2	30,469	6 1/2	18,589	6 1/2	6,641	6 1/2	0	0	0	0	0	0	0
6 3/4	65,698	6 3/4	53,780	6 3/4	41,862	6 3/4	30,227	6 3/4	18,341	6 3/4	6,392	6 3/4	0	0	0	0	0	0	0
7	65,449	7	53,532	7	41,614	7	29,986	7	18,092	7	6,143	7	0	0	0	0	0	0	0
7 1/4	65,201	7 1/4	53,283	7 1/4	41,365	7 1/4	29,744	7 1/4	17,843	7 1/4	5,895	7 1/4	0	0	0	0	0	0	0
7 1/2	64,953	7 1/2	53,035	7 1/2	41,117	7 1/2	29,502	7 1/2	17,594	7 1/2	5,646	7 1/2	0	0	0	0	0	0	0
7 3/4	64,705	7 3/4	52,787	7 3/4	40,869	7 3/4	29,260	7 3/4	17,345	7 3/4	5,397	7 3/4	0	0	0	0	0	0	0
8	64,456	8	52,538	8	40,621	8	29,018	8	17,096	8	5,148	8	0	0	0	0	0	0	0
8 1/4	64,208	8 1/4	52,290	8 1/4	40,372	8 1/4	28,771	8 1/4	16,847	8 1/4	4,899	8 1/4	0	0	0	0	0	0	0
8 1/2	63,960	8 1/2	52,042	8 1/2	40,124	8 1/2	28,525	8 1/2	16,598	8 1/2	4,650	8 1/2	0	0	0	0	0	0	0
8 3/4	63,711	8 3/4	51,794	8 3/4	39,876	8 3/4	28,278	8 3/4	16,349	8 3/4	4,401	8 3/4	0	0	0	0	0	0	0
9	63,463	9	51,545	9	39,627	9	28,031	9	16,100	9	4,152	9	0	0	0	0	0	0	0
9 1/4	63,215	9 1/4	51,297	9 1/4	39,379	9 1/4	27,782	9 1/4	15,851	9 1/4	3,903	9 1/4	0	0	0	0	0	0	0
9 1/2	62,967	9 1/2	51,049	9 1/2	39,131	9 1/2	27,534	9 1/2	15,603	9 1/2	3,655	9 1/2	0	0	0	0	0	0	0
9 3/4	62,718	9 3/4	50,800	9 3/4	38,883	9 3/4	27,286	9 3/4	15,354	9 3/4	3,406	9 3/4	0	0	0	0	0	0	0
10	62,470	10	50,552	10	38,634	10	27,037	10	15,105	10	3,157	10	0	0	0	0	0	0	0
10 1/4	62,222	10 1/4	50,304	10 1/4	38,386	10 1/4	26,789	10 1/4	14,856	10 1/4	2,909	10 1/4	0	0	0	0	0	0	0
10 1/2	61,973	10 1/2	50,056	10 1/2	38,137	10 1/2	26,540	10 1/2	14,607	10 1/2	2,661	10 1/2	0	0	0	0	0	0	0
10 3/4	61,725	10 3/4	49,807	10 3/4	37,908	10 3/4	26,292	10 3/4	14,358	10 3/4	2,413	10 3/4	0	0	0	0	0	0	0
11	61,477	11	49,559	11	37,667	11	26,043	11	14,109	11	2,165	11	0	0	0	0	0	0	0
11 1/4	61,229	11 1/4	49,311	11 1/4	37,427	11 1/4	25,795	11 1/4	13,860	11 1/4	1,927	11 1/4	0	0	0	0	0	0	0
11 1/2	60,980	11 1/2	49,062	11 1/2	37,187	11 1/2	25,547	11 1/2	13,612	11 1/2	1,689	11 1/2	0	0	0	0	0	0	0
11 3/4	60,732	11 3/4	48,814	11 3/4	36,947	11 3/4	25,298	11 3/4	13,363	11 3/4	1,451	11 3/4	0	0	0	0	0	0	0

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/07/2020 CL
CALCULATED: 04/08/2020 CL
PRINTED: 04/08/2020 SW

PRECISION MEASUREMENT
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CANCELS AND SUPERCEDES
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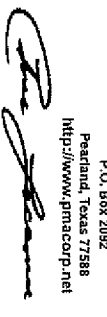
BARGE "B 1321"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS												GAUGE HEIGHT 16'-02"											
0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.					
IN	0	IN	1	IN	2	IN	3	IN	4	IN	5	IN	6	IN	7	IN	8	IN	9				
1/4	154,020	1/4	153,962	1/4	144,821	1/4	134,522	1/4	124,222	1/4	113,922	1/4	103,622	1/4	93,323	1/4	83,023	1/4	72,723				
1/2	153,904	1/2	144,332	1/2	144,607	1/2	134,307	1/2	124,007	1/2	113,707	1/2	103,408	1/2	93,108	1/2	82,808	1/2	72,508				
3/4	153,846	3/4	144,178	3/4	144,378	3/4	133,878	3/4	123,793	3/4	113,493	3/4	103,193	3/4	92,893	3/4	82,594	3/4	72,294				
1	153,788	1	143,963	1	143,963	1	133,663	1	123,363	1	113,064	1	102,764	1	92,464	1	82,164	1	71,865				
1 1/4	153,662	1 1/4	143,748	1 1/4	143,534	1 1/4	133,444	1 1/4	123,149	1 1/4	112,849	1 1/4	102,549	1 1/4	92,250	1 1/4	81,950	1 1/4	71,650				
1 1/2	153,537	1 1/2	143,512	1 1/2	143,319	1 1/2	133,220	1 1/2	122,924	1 1/2	112,635	1 1/2	102,335	1 1/2	92,035	1 1/2	81,735	1 1/2	71,436				
2	153,287	2	143,105	2	143,105	2	132,805	2	122,505	2	112,205	2	101,906	2	91,606	2	81,306	2	71,006				
2 1/4	153,098	2 1/4	142,890	2 1/4	142,676	2 1/4	132,590	2 1/4	122,291	2 1/4	111,991	2 1/4	101,691	2 1/4	91,391	2 1/4	81,092	2 1/4	70,792				
2 1/2	152,909	2 1/2	142,676	2 1/2	142,461	2 1/2	132,376	2 1/2	122,076	2 1/2	111,776	2 1/2	101,477	2 1/2	91,177	2 1/2	80,877	2 1/2	70,577				
3	152,720	3	142,461	3	142,246	3	132,161	3	121,861	3	111,562	3	101,262	3	90,962	3	80,662	3	70,363				
3 1/4	152,531	3 1/4	142,246	3 1/4	142,032	3 1/4	131,947	3 1/4	121,647	3 1/4	111,347	3 1/4	101,047	3 1/4	90,748	3 1/4	80,448	3 1/4	70,148				
3 1/2	152,320	3 1/2	142,032	3 1/2	141,817	3 1/2	131,732	3 1/2	121,432	3 1/2	111,133	3 1/2	100,833	3 1/2	90,533	3 1/2	80,233	3 1/2	70,033				
3 3/4	152,108	3 3/4	141,817	3 3/4	141,603	3 3/4	131,517	3 3/4	121,218	3 3/4	110,918	3 3/4	100,618	3 3/4	90,318	3 3/4	80,018	3 3/4	69,719				
4	151,897	4	141,603	4	141,388	4	131,303	4	121,003	4	110,703	4	100,404	4	90,104	4	79,804	4	69,504				
4 1/4	151,686	4 1/4	141,388	4 1/4	141,173	4 1/4	131,088	4 1/4	120,789	4 1/4	110,489	4 1/4	100,189	4 1/4	89,889	4 1/4	79,590	4 1/4	69,290				
4 1/2	151,472	4 1/2	141,173	4 1/2	140,959	4 1/2	130,874	4 1/2	120,574	4 1/2	110,274	4 1/2	100,074	4 1/2	89,774	4 1/2	79,474	4 1/2	69,075				
4 3/4	151,258	4 3/4	140,959	4 3/4	140,744	4 3/4	130,659	4 3/4	120,359	4 3/4	110,060	4 3/4	99,760	4 3/4	89,460	4 3/4	79,160	4 3/4	68,861				
5	151,043	5	140,744	5	140,530	5	130,445	5	120,145	5	109,845	5	99,545	5	89,246	5	78,946	5	68,646				
5 1/4	150,829	5 1/4	140,530	5 1/4	140,315	5 1/4	130,230	5 1/4	119,930	5 1/4	109,630	5 1/4	99,331	5 1/4	89,031	5 1/4	78,731	5 1/4	68,431				
5 1/2	150,615	5 1/2	140,315	5 1/2	140,101	5 1/2	129,945	5 1/2	119,746	5 1/2	109,446	5 1/2	99,146	5 1/2	88,846	5 1/2	78,546	5 1/2	68,246				
5 3/4	150,400	5 3/4	140,101	5 3/4	139,886	5 3/4	129,801	5 3/4	119,501	5 3/4	109,201	5 3/4	98,902	5 3/4	88,602	5 3/4	78,302	5 3/4	68,002				
6	149,186	6	139,886	6	139,671	6	129,586	6	119,287	6	108,987	6	98,687	6	88,387	6	78,087	6	67,788				
6 1/4	148,971	6 1/4	139,671	6 1/4	139,457	6 1/4	129,372	6 1/4	119,072	6 1/4	108,772	6 1/4	98,472	6 1/4	88,172	6 1/4	77,872	6 1/4	67,573				
6 1/2	148,757	6 1/2	139,457	6 1/2	139,242	6 1/2	129,157	6 1/2	118,857	6 1/2	108,558	6 1/2	98,258	6 1/2	87,958	6 1/2	77,658	6 1/2	67,359				
6 3/4	148,542	6 3/4	139,242	6 3/4	139,028	6 3/4	128,943	6 3/4	118,643	6 3/4	108,343	6 3/4	98,043	6 3/4	87,743	6 3/4	77,444	6 3/4	67,144				
7	148,327	7	138,813	7	138,603	7	128,728	7	118,428	7	108,128	7	97,829	7	87,529	7	77,229	7	66,929				
7 1/4	148,113	7 1/4	138,603	7 1/4	138,393	7 1/4	128,513	7 1/4	118,214	7 1/4	107,914	7 1/4	97,614	7 1/4	87,314	7 1/4	77,014	7 1/4	66,715				
7 1/2	147,898	7 1/2	138,393	7 1/2	138,183	7 1/2	128,299	7 1/2	117,999	7 1/2	107,699	7 1/2	97,400	7 1/2	87,100	7 1/2	76,800	7 1/2	66,500				
7 3/4	147,684	7 3/4	138,183	7 3/4	137,973	7 3/4	128,114	7 3/4	117,814	7 3/4	107,514	7 3/4	97,214	7 3/4	86,914	7 3/4	76,614	7 3/4	66,314				
8	147,469	8	137,968	8	137,758	8	127,870	8	117,570	8	107,270	8	96,970	8	86,670	8	76,370	8	66,071				
8 1/4	147,255	8 1/4	137,758	8 1/4	137,548	8 1/4	127,655	8 1/4	117,355	8 1/4	107,055	8 1/4	96,755	8 1/4	86,455	8 1/4	76,155	8 1/4	65,871				
8 1/2	147,040	8 1/2	137,548	8 1/2	137,338	8 1/2	127,440	8 1/2	117,141	8 1/2	106,841	8 1/2	96,541	8 1/2	86,241	8 1/2	75,941	8 1/2	65,642				
8 3/4	146,825	8 3/4	137,338	8 3/4	137,128	8 3/4	127,226	8 3/4	116,926	8 3/4	106,626	8 3/4	96,326	8 3/4	86,026	8 3/4	75,726	8 3/4	65,427				
9	146,611	9	137,128	9	136,918	9	127,011	9	116,712	9	106,412	9	96,112	9	85,812	9	75,513	9	65,213				
9 1/4	146,396	9 1/4	136,918	9 1/4	136,708	9 1/4	126,897	9 1/4	116,497	9 1/4	106,197	9 1/4	95,897	9 1/4	85,597	9 1/4	75,298	9 1/4	64,998				
9 1/2	146,182	9 1/2	136,708	9 1/2	136,498	9 1/2	126,682	9 1/2	116,282	9 1/2	105,983	9 1/2	95,683	9 1/2	85,383	9 1/2	75,083	9 1/2	64,794				
9 3/4	145,967	9 3/4	136,498	9 3/4	136,288	9 3/4	126,468	9 3/4	116,068	9 3/4	105,768	9 3/4	95,468	9 3/4	85,168	9 3/4	74,884	9 3/4	64,594				
10	145,753	10	136,288	10	136,078	10	126,258	10	115,858	10	105,558	10	95,258	10	84,958	10	74,654	10	64,394				
10 1/4	145,538	10 1/4	136,078	10 1/4	135,868	10 1/4	126,048	10 1/4	115,648	10 1/4	105,348	10 1/4	95,048	10 1/4	84,748	10 1/4	74,444	10 1/4	64,140				
10 1/2	145,323	10 1/2	135,868	10 1/2	135,658	10 1/2	125,828	10 1/2	115,438	10 1/2	105,148	10 1/2	94,848	10 1/2	84,548	10 1/2	74,225	10 1/2	63,925				
10 3/4	145,109	10 3/4	135,658	10 3/4	135,448	10 3/4	125,609	10 3/4	115,228	10 3/4	104,959	10 3/4	94,659	10 3/4	84,359	10 3/4	74,010	10 3/4	63,710				
11	144,894	11	135,448	11	135,238	11	125,395	11	115,015	11	104,715	11	94,415	11	84,115	11	73,796	11	63,496				
11 1/4	144,680	11 1/4	135,238	11 1/4	135,028	11 1/4	125,180	11 1/4	114,800	11 1/4	104,500	11 1/4	94,200	11 1/4	83,900	11 1/4	73,581	11 1/4	63,282				
11 1/2	144,465	11 1/2	135,028	11 1/2	134,818	11 1/2	124,966	11 1/2	114,586	11 1/2	104,286	11 1/2	93,986	11 1/2	83,686	11 1/2	73,367	11 1/2	63,067				
11 3/4	144,250	11 3/4	134,818	11 3/4	134,608	11 3/4	124,814	11 3/4	114,366	11 3/4	104,066	11 3/4	93,766	11 3/4	83,466	11 3/4	73,152	11 3/4	62,852				
12	144,036	12	134,608	12	134,398	12	124,606	12	114,147	12	103,847	12	93,547	12	83,247	12	72,938	12	62,638				

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.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.
 PRECISION MEASUREMENT & ANALYSIS, INC.
 P. O. Box 2082
 Pearland, Texas 77588
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BARGE "B 1321"

2 CENTER ULLAGE TABLE

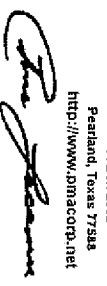
CAPACITIES GIVEN IN WHOLE GALLONS

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	62,423	0	52,124	0	41,824	0	31,524	0	21,478	0	11,179	0	921	0		0			
1/4	62,209	1/4	51,909	1/4	41,609	1/4	31,360	1/4	21,263	1/4	10,964	1/4	773	1/4		1/4			
1/2	61,994	1/2	51,395	1/2	41,395	1/2	31,151	1/2	21,049	1/2	10,750	1/2	626	1/2		1/2			
3/4	61,780	3/4	51,480	3/4	41,180	3/4	30,943	3/4	20,834	3/4	10,535	3/4	479	3/4		3/4			
1	61,565	1	51,265	1	40,965	1	30,735	1	20,620	1	10,320	1	332	1		1			
1/4	61,350	1/4	51,051	1/4	40,751	1/4	30,526	1/4	20,405	1/4	10,106	1/4	267	1/4		1/4			
1/2	61,136	1/2	50,836	1/2	40,536	1/2	30,318	1/2	20,191	1/2	9,891	1/2	203	1/2		1/2			
3/4	60,921	3/4	50,621	3/4	40,322	3/4	30,110	3/4	19,976	3/4	9,677	3/4	139	3/4		3/4			
2	60,707	2	50,407	2	40,107	2	29,902	2	19,761	2	9,462	2	74	2		2			
1/4	60,492	1/4	50,192	1/4	39,893	1/4	29,688	1/4	19,547	1/4	9,248	1/4		1/4		1/4			
1/2	60,277	1/2	49,978	1/2	39,678	1/2	29,485	1/2	19,332	1/2	9,033	1/2		1/2		1/2			
3/4	60,063	3/4	49,763	3/4	39,463	3/4	29,277	3/4	19,118	3/4	8,818	3/4		3/4		3/4			
3	59,848	3	49,549	3	39,249	3	29,068	3	18,903	3	8,604	3		3		3			
1/4	59,634	1/4	49,334	1/4	39,034	1/4	28,860	1/4	18,689	1/4	8,389	1/4		1/4		1/4			
1/2	59,419	1/2	49,119	1/2	38,820	1/2	28,652	1/2	18,474	1/2	8,175	1/2		1/2		1/2			
3/4	59,205	3/4	48,905	3/4	38,605	3/4	28,444	3/4	18,259	3/4	7,960	3/4		3/4		3/4			
4	58,990	4	48,690	4	38,390	4	28,235	4	18,045	4	7,746	4		4		4			
1/4	58,775	1/4	48,476	1/4	38,176	1/4	28,027	1/4	17,830	1/4	7,531	1/4		1/4		1/4			
1/2	58,561	1/2	48,261	1/2	37,961	1/2	27,819	1/2	17,616	1/2	7,316	1/2		1/2		1/2			
3/4	58,346	3/4	48,047	3/4	37,747	3/4	27,611	3/4	17,401	3/4	7,102	3/4		3/4		3/4			
5	58,132	5	47,832	5	37,532	5	27,402	5	17,187	5	6,887	5		5		5			
1/4	57,917	1/4	47,617	1/4	37,318	1/4	27,194	1/4	16,972	1/4	6,673	1/4		1/4		1/4			
1/2	57,703	1/2	47,403	1/2	37,103	1/2	26,977	1/2	16,757	1/2	6,458	1/2		1/2		1/2			
3/4	57,488	3/4	47,188	3/4	36,888	3/4	26,777	3/4	16,543	3/4	6,244	3/4		3/4		3/4			
6	57,273	6	46,974	6	36,674	6	26,569	6	16,328	6	6,029	6		6		6			
1/4	57,059	1/4	46,759	1/4	36,459	1/4	26,361	1/4	16,114	1/4	5,814	1/4		1/4		1/4			
1/2	56,844	1/2	46,544	1/2	36,245	1/2	26,153	1/2	15,899	1/2	5,600	1/2		1/2		1/2			
3/4	56,630	3/4	46,330	3/4	36,030	3/4	25,945	3/4	15,685	3/4	5,385	3/4		3/4		3/4			
7	56,415	7	46,115	7	35,816	7	25,737	7	15,470	7	5,171	7		7		7			
1/4	56,200	1/4	45,901	1/4	35,601	1/4	25,529	1/4	15,256	1/4	4,956	1/4		1/4		1/4			
1/2	55,986	1/2	45,686	1/2	35,386	1/2	25,321	1/2	15,041	1/2	4,742	1/2		1/2		1/2			
3/4	55,771	3/4	45,472	3/4	35,172	3/4	25,113	3/4	14,826	3/4	4,527	3/4		3/4		3/4			
8	55,557	8	45,257	8	34,957	8	24,905	8	14,612	8	4,312	8		8		8			
1/4	55,342	1/4	45,042	1/4	34,743	1/4	24,692	1/4	14,397	1/4	4,098	1/4		1/4		1/4			
1/2	55,128	1/2	44,828	1/2	34,528	1/2	24,479	1/2	14,183	1/2	3,883	1/2		1/2		1/2			
3/4	54,913	3/4	44,613	3/4	34,314	3/4	24,266	3/4	13,968	3/4	3,669	3/4		3/4		3/4			
9	54,698	9	44,399	9	34,099	9	24,053	9	13,754	9	3,454	9		9		9			
1/4	54,484	1/4	44,184	1/4	33,884	1/4	23,838	1/4	13,539	1/4	3,240	1/4		1/4		1/4			
1/2	54,269	1/2	43,970	1/2	33,670	1/2	23,624	1/2	13,324	1/2	3,025	1/2		1/2		1/2			
3/4	54,055	3/4	43,755	3/4	33,455	3/4	23,409	3/4	13,110	3/4	2,811	3/4		3/4		3/4			
10	53,840	10	43,540	10	33,241	10	23,195	10	12,895	10	2,597	10		10		10			
1/4	53,626	1/4	43,326	1/4	33,031	1/4	22,980	1/4	12,681	1/4	2,383	1/4		1/4		1/4			
1/2	53,411	1/2	43,111	1/2	32,821	1/2	22,765	1/2	12,466	1/2	2,169	1/2		1/2		1/2			
3/4	53,196	3/4	42,897	3/4	32,611	3/4	22,551	3/4	12,252	3/4	1,955	3/4		3/4		3/4			
11	52,982	11	42,682	11	32,401	11	22,336	11	12,037	11	1,742	11		11		11			
1/4	52,767	1/4	42,467	1/4	32,193	1/4	22,122	1/4	11,822	1/4	1,536	1/4		1/4		1/4			
1/2	52,553	1/2	42,253	1/2	31,984	1/2	21,907	1/2	11,608	1/2	1,331	1/2		1/2		1/2			
3/4	52,338	3/4	42,038	3/4	31,776	3/4	21,693	3/4	11,393	3/4	1,126	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 ALL PRIOR TO 04/2020

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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 Pearland, Texas 77584
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BARGE "IB 1321"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS												GAUGE HEIGHT 16'-01 1/4"											
IN	0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.	IN	0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.		
0	154,848	0	145,130	0	134,778	0	124,426	0	114,074	0	103,721	0	93,369	0	83,017	0	72,664	0	62,312	0	51,960		
1/4	154,789	1/4	144,915	1/4	134,562	1/4	124,210	1/4	113,858	1/4	103,506	1/4	93,153	1/4	82,801	1/4	72,449	1/4	62,097	1/4	51,745		
1/2	154,664	1/2	144,699	1/2	134,347	1/2	123,994	1/2	113,642	1/2	103,289	1/2	92,936	1/2	82,585	1/2	72,233	1/2	61,881	1/2	51,529		
3/4	154,538	3/4	144,483	3/4	134,131	3/4	123,779	3/4	113,426	3/4	103,074	3/4	92,722	3/4	82,372	3/4	72,020	3/4	61,668	3/4	51,317		
1	154,412	1	144,268	1	133,915	1	123,563	1	113,211	1	102,859	1	92,506	1	82,154	1	71,802	1	61,450	1	51,098		
1 1/4	154,286	1 1/4	144,052	1 1/4	133,700	1 1/4	123,347	1 1/4	112,995	1 1/4	102,643	1 1/4	92,291	1 1/4	81,938	1 1/4	71,586	1 1/4	61,234	1 1/4	50,886		
1 1/2	154,096	1 1/2	143,836	1 1/2	133,484	1 1/2	123,132	1 1/2	112,779	1 1/2	102,412	1 1/2	92,075	1 1/2	81,723	1 1/2	71,370	1 1/2	60,980	1 1/2	50,634		
3/4	153,906	3/4	143,621	3/4	133,268	3/4	122,916	3/4	112,564	3/4	102,212	3/4	91,859	3/4	81,507	3/4	71,155	3/4	60,779	3/4	50,482		
2	153,716	2	143,405	2	133,053	2	122,700	2	112,348	2	101,996	2	91,644	2	81,291	2	70,939	2	60,526	2	50,230		
2 1/4	153,526	2 1/4	143,189	2 1/4	132,837	2 1/4	122,485	2 1/4	112,132	2 1/4	101,780	2 1/4	91,432	2 1/4	81,076	2 1/4	70,723	2 1/4	60,370	2 1/4	49,978		
1/2	153,314	1/2	142,974	1/2	132,621	1/2	122,269	1/2	111,917	1/2	101,565	1/2	91,212	1/2	80,860	1/2	70,508	1/2	60,156	1/2	49,806		
3/4	153,102	3/4	142,758	3/4	132,406	3/4	122,053	3/4	111,701	3/4	101,349	3/4	90,997	3/4	80,644	3/4	70,292	3/4	60,000	3/4	49,630		
3	152,889	3	142,542	3	132,190	3	121,838	3	111,485	3	101,133	3	90,781	3	80,429	3	70,076	3	59,724	3	49,454		
1 1/4	152,677	1 1/4	142,327	1 1/4	131,974	1 1/4	121,622	1 1/4	111,270	1 1/4	100,918	1 1/4	90,565	1 1/4	80,213	1 1/4	69,861	1 1/4	59,508	1 1/4	49,278		
1 1/2	152,462	1 1/2	142,111	1 1/2	131,759	1 1/2	121,406	1 1/2	111,054	1 1/2	100,702	1 1/2	90,350	1 1/2	79,997	1 1/2	69,645	1 1/2	59,292	1 1/2	49,102		
3/4	152,246	3/4	141,895	3/4	131,543	3/4	121,191	3/4	110,838	3/4	100,486	3/4	90,134	3/4	79,782	3/4	69,429	3/4	59,076	3/4	48,926		
4	152,031	4	141,680	4	131,327	4	120,975	4	110,623	4	100,270	4	89,918	4	79,566	4	69,214	4	58,864	4	48,750		
1 1/4	151,816	1 1/4	141,464	1 1/4	131,112	1 1/4	120,759	1 1/4	110,407	1 1/4	100,055	1 1/4	89,703	1 1/4	79,350	1 1/4	69,000	1 1/4	58,648	1 1/4	48,534		
1 1/2	151,600	1 1/2	141,248	1 1/2	130,896	1 1/2	120,544	1 1/2	110,191	1 1/2	99,839	1 1/2	89,487	1 1/2	79,135	1 1/2	68,782	1 1/2	58,430	1 1/2	48,360		
3/4	151,385	3/4	141,033	3/4	130,680	3/4	120,328	3/4	109,976	3/4	99,623	3/4	89,271	3/4	78,979	3/4	68,626	3/4	58,274	3/4	48,190		
5	151,169	5	140,817	5	130,465	5	120,112	5	109,760	5	99,408	5	89,112	5	78,703	5	68,351	5	58,099	5	48,014		
1 1/4	150,953	1 1/4	140,601	1 1/4	130,249	1 1/4	119,897	1 1/4	109,544	1 1/4	99,192	1 1/4	88,840	1 1/4	78,488	1 1/4	68,135	1 1/4	57,882	1 1/4	47,848		
1 1/2	150,738	1 1/2	140,386	1 1/2	130,033	1 1/2	119,681	1 1/2	109,329	1 1/2	98,976	1 1/2	88,624	1 1/2	78,272	1 1/2	67,920	1 1/2	57,670	1 1/2	47,694		
3/4	150,522	3/4	140,170	3/4	129,818	3/4	119,465	3/4	109,113	3/4	98,761	3/4	88,409	3/4	78,056	3/4	67,704	3/4	57,490	3/4	47,518		
6	150,306	6	139,954	6	129,602	6	119,250	6	108,897	6	98,545	6	88,193	6	77,841	6	67,548	6	57,296	6	47,342		
1 1/4	150,091	1 1/4	139,738	1 1/4	129,386	1 1/4	119,034	1 1/4	108,682	1 1/4	98,329	1 1/4	87,977	1 1/4	77,625	1 1/4	67,342	1 1/4	57,090	1 1/4	47,186		
1 1/2	149,876	1 1/2	139,523	1 1/2	129,171	1 1/2	118,818	1 1/2	108,466	1 1/2	98,114	1 1/2	87,762	1 1/2	77,409	1 1/2	67,057	1 1/2	56,932	1 1/2	47,030		
3/4	149,659	3/4	139,307	3/4	128,955	3/4	118,603	3/4	108,250	3/4	97,898	3/4	87,546	3/4	77,194	3/4	66,841	3/4	56,778	3/4	46,874		
7	149,444	7	139,091	7	128,739	7	118,387	7	108,035	7	97,682	7	87,330	7	76,978	7	66,626	7	56,620	7	46,710		
1 1/4	149,228	1 1/4	138,876	1 1/4	128,524	1 1/4	118,171	1 1/4	107,819	1 1/4	97,467	1 1/4	87,114	1 1/4	76,762	1 1/4	66,410	1 1/4	56,454	1 1/4	46,554		
1 1/2	149,012	1 1/2	138,660	1 1/2	128,308	1 1/2	117,956	1 1/2	107,603	1 1/2	97,251	1 1/2	86,999	1 1/2	76,547	1 1/2	66,194	1 1/2	56,298	1 1/2	46,400		
3/4	148,797	3/4	138,444	3/4	128,092	3/4	117,740	3/4	107,388	3/4	97,035	3/4	86,783	3/4	76,331	3/4	66,032	3/4	56,146	3/4	46,244		
8	148,581	8	138,229	8	127,877	8	117,524	8	107,172	8	96,820	8	86,567	8	76,116	8	65,873	8	55,999	8	46,090		
1 1/4	148,365	1 1/4	138,013	1 1/4	127,661	1 1/4	117,309	1 1/4	106,956	1 1/4	96,604	1 1/4	86,352	1 1/4	75,900	1 1/4	65,647	1 1/4	55,844	1 1/4	45,936		
1 1/2	148,150	1 1/2	137,797	1 1/2	127,446	1 1/2	117,093	1 1/2	106,741	1 1/2	96,388	1 1/2	86,136	1 1/2	75,684	1 1/2	65,432	1 1/2	55,690	1 1/2	45,782		
3/4	147,934	3/4	137,582	3/4	127,230	3/4	116,877	3/4	106,525	3/4	96,173	3/4	85,920	3/4	75,468	3/4	65,278	3/4	55,546	3/4	45,630		
9	147,718	9	137,366	9	127,014	9	116,662	9	106,309	9	95,957	9	85,705	9	75,253	9	65,070	9	55,394	9	45,474		
1 1/4	147,503	1 1/4	137,150	1 1/4	126,798	1 1/4	116,446	1 1/4	106,094	1 1/4	95,741	1 1/4	85,489	1 1/4	75,037	1 1/4	64,858	1 1/4	55,240	1 1/4	45,318		
1 1/2	147,287	1 1/2	136,935	1 1/2	126,582	1 1/2	116,230	1 1/2	105,878	1 1/2	95,526	1 1/2	85,273	1 1/2	74,821	1 1/2	64,699	1 1/2	55,094	1 1/2	45,162		
3/4	147,071	3/4	136,719	3/4	126,367	3/4	116,015	3/4	105,662	3/4	95,310	3/4	85,058	3/4	74,606	3/4	64,533	3/4	54,940	3/4	45,006		
10	146,856	10	136,503	10	126,151	10	115,799	10	105,447	10	95,094	10	84,842	10	74,390	10	64,378	10	54,786	10	44,850		
1 1/4	146,640	1 1/4	136,288	1 1/4	125,935	1 1/4	115,583	1 1/4	105,231	1 1/4	94,879	1 1/4	84,626	1 1/4	74,174	1 1/4	64,222	1 1/4	54,634	1 1/4	44,694		
1 1/2	146,424	1 1/2	136,072	1 1/2	125,720	1 1/2	115,368	1 1/2	105,015	1 1/2	94,663	1 1/2	84,411	1 1/2	73,958	1 1/2	64,066	1 1/2	54,480	1 1/2	44,540		
3/4	146,209	3/4	135,856	3/4	125,504	3/4	115,152	3/4	104,800	3/4	94,447	3/4	84,195	3/4	73,743	3/4	63,891	3/4	54,326	3/4	44,386		
11	155,041	11	145,993	11	135,641	11	125,288	11	114,936	11	104,584	11	94,232	11	83,879	11	73,527	11	63,175	11	53,823		
1 1/4	155,023	1 1/4	145,777	1 1/4	135,425	1 1/4	125,073	1 1/4	114,721	1 1/4	104,368	1 1/4	94,016	1 1/4	83,664	1 1/4	73,311	1 1/4	62,959	1 1/4	53,607		
1 1/2	154,965	1 1/2	145,562	1 1/2	135,209	1 1/2	124,857	1 1/2	114,509	1 1/2	104,153	1 1/2	93,800	1 1/2	83,448	1 1/2	73,096	1 1/2	62,744	1 1/2	53,452		
3/4	154,906	3/4	145,346	3/4	134,994	3/4	124,641	3/4	114,289	3/4	103,937	3/4	93,585	3/4	83,232	3/4	72,880	3/4	62,528	3/4	53,226		

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH IHPMS 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.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.
PRECISION MEASUREMENT
B ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77688
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BARGE "IB 1321"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-01 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	62,312	0	51,960	0	41,608	0	31,256	0	20,904	0	10,552	0	481	0		0			
1/4	62,097	1/4	51,744	1/4	41,392	1/4	31,048	1/4	20,724	1/4	10,373	1/4	333	1/4		1/4			
1/2	61,881	1/2	51,528	1/2	41,176	1/2	30,834	1/2	20,509	1/2	10,157	1/2	268	1/2		1/2			
3/4	61,665	3/4	51,313	3/4	40,961	3/4	30,619	3/4	20,293	3/4	9,941	3/4	204	3/4		3/4			
1	61,450	1	51,097	1	40,745	1	30,404	1	20,077	1	9,726	1	139	1		1			
1/4	61,234	1/4	50,882	1/4	40,529	1/4	30,189	1/4	19,862	1/4	9,510	1/4	74	1/4		1/4			
1/2	61,018	1/2	50,666	1/2	40,314	1/2	29,975	1/2	19,646	1/2	9,294	1/2		1/2		1/2			
3/4	60,803	3/4	50,450	3/4	40,098	3/4	29,760	3/4	19,430	3/4	9,079	3/4		3/4		3/4			
2	60,587	2	50,235	2	39,882	2	29,545	2	19,215	2	8,863	2		2		2			
1/4	60,371	1/4	50,019	1/4	39,667	1/4	29,331	1/4	18,999	1/4	8,647	1/4		1/4		1/4			
1/2	60,155	1/2	49,803	1/2	39,451	1/2	29,116	1/2	18,783	1/2	8,432	1/2		1/2		1/2			
3/4	59,940	3/4	49,588	3/4	39,235	3/4	28,901	3/4	18,568	3/4	8,216	3/4		3/4		3/4			
3	59,724	3	49,372	3	39,020	3	28,687	3	18,352	3	8,000	3		3		3			
1/4	59,508	1/4	49,156	1/4	38,804	1/4	28,472	1/4	18,136	1/4	7,785	1/4		1/4		1/4			
1/2	59,293	1/2	48,941	1/2	38,588	1/2	28,257	1/2	17,921	1/2	7,569	1/2		1/2		1/2			
3/4	59,077	3/4	48,725	3/4	38,373	3/4	28,042	3/4	17,705	3/4	7,353	3/4		3/4		3/4			
4	58,861	4	48,509	4	38,157	4	27,828	4	17,489	4	7,138	4		4		4			
1/4	58,646	1/4	48,294	1/4	37,941	1/4	27,613	1/4	17,274	1/4	6,922	1/4		1/4		1/4			
1/2	58,430	1/2	48,078	1/2	37,726	1/2	27,398	1/2	17,058	1/2	6,706	1/2		1/2		1/2			
3/4	58,214	3/4	47,862	3/4	37,510	3/4	27,184	3/4	16,842	3/4	6,491	3/4		3/4		3/4			
5	57,999	5	47,647	5	37,294	5	26,969	5	16,627	5	6,275	5		5		5			
1/4	57,783	1/4	47,431	1/4	37,079	1/4	26,754	1/4	16,411	1/4	6,059	1/4		1/4		1/4			
1/2	57,567	1/2	47,215	1/2	36,863	1/2	26,540	1/2	16,195	1/2	5,844	1/2		1/2		1/2			
3/4	57,352	3/4	46,999	3/4	36,647	3/4	26,325	3/4	15,980	3/4	5,628	3/4		3/4		3/4			
6	57,136	6	46,784	6	36,432	6	26,110	6	15,764	6	5,412	6		6		6			
1/4	56,920	1/4	46,568	1/4	36,216	1/4	25,895	1/4	15,548	1/4	5,197	1/4		1/4		1/4			
1/2	56,705	1/2	46,352	1/2	36,000	1/2	25,681	1/2	15,333	1/2	4,981	1/2		1/2		1/2			
3/4	56,489	3/4	46,137	3/4	35,785	3/4	25,466	3/4	15,117	3/4	4,765	3/4		3/4		3/4			
7	56,273	7	45,921	7	35,569	7	25,251	7	14,901	7	4,550	7		7		7			
1/4	56,058	1/4	45,705	1/4	35,353	1/4	25,037	1/4	14,686	1/4	4,334	1/4		1/4		1/4			
1/2	55,842	1/2	45,490	1/2	35,138	1/2	24,821	1/2	14,470	1/2	4,118	1/2		1/2		1/2			
3/4	55,626	3/4	45,274	3/4	34,922	3/4	24,606	3/4	14,254	3/4	3,903	3/4		3/4		3/4			
8	55,411	8	45,058	8	34,706	8	24,390	8	14,039	8	3,687	8		8		8			
1/4	55,195	1/4	44,843	1/4	34,491	1/4	24,175	1/4	13,823	1/4	3,471	1/4		1/4		1/4			
1/2	54,979	1/2	44,627	1/2	34,275	1/2	23,959	1/2	13,607	1/2	3,256	1/2		1/2		1/2			
3/4	54,764	3/4	44,411	3/4	34,059	3/4	23,744	3/4	13,392	3/4	3,040	3/4		3/4		3/4			
9	54,548	9	44,196	9	33,843	9	23,528	9	13,176	9	2,825	9		9		9			
1/4	54,332	1/4	43,980	1/4	33,628	1/4	23,312	1/4	12,960	1/4	2,609	1/4		1/4		1/4			
1/2	54,117	1/2	43,764	1/2	33,413	1/2	23,097	1/2	12,745	1/2	2,395	1/2		1/2		1/2			
3/4	53,901	3/4	43,549	3/4	33,198	3/4	22,881	3/4	12,529	3/4	2,180	3/4		3/4		3/4			
10	53,685	10	43,333	10	32,982	10	22,665	10	12,314	10	1,965	10		10		10			
1/4	53,470	1/4	43,117	1/4	32,767	1/4	22,450	1/4	12,098	1/4	1,750	1/4		1/4		1/4			
1/2	53,254	1/2	42,902	1/2	32,552	1/2	22,234	1/2	11,882	1/2	1,534	1/2		1/2		1/2			
3/4	53,038	3/4	42,686	3/4	32,337	3/4	22,018	3/4	11,667	3/4	1,337	3/4		3/4		3/4			
11	52,823	11	42,470	11	32,122	11	21,803	11	11,451	11	1,131	11		11		11			
1/4	52,607	1/4	42,255	1/4	31,907	1/4	21,587	1/4	11,235	1/4	926	1/4		1/4		1/4			
1/2	52,391	1/2	42,039	1/2	31,693	1/2	21,371	1/2	11,020	1/2	777	1/2		1/2		1/2			
3/4	52,176	3/4	41,823	3/4	31,478	3/4	21,156	3/4	10,804	3/4	629	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/07/2020 CL
 CALCULATED: 04/09/2020 CL
 PRINTED: 04/08/2020 SW
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 04/2020

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