

Gallog



BARGE "IB 1313"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN
1 CENTER	-00-0/8	00-0/8	-00-1/8	00-1/8	-00-1/8	00-1/8	-00-1/4	00-1/4	-00-1/4	00-1/4	-00-3/8	00-3/8
2 CENTER	-00-1/4	00-1/4	-00-1/2	00-1/2	-00-5/8	00-5/8	-00-7/8	00-7/8	-01-1/8	01-1/8	-01-3/8	01-3/8
3 CENTER	-00-1/4	00-1/4	-00-3/8	00-3/8	-00-5/8	00-5/8	-00-3/4	00-3/4	-01-0/8	01-0/8	-01-1/8	01-1/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 4'-00"
 DIFF. = 2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 2 CENTER IS 00-1/2"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 CENTER, THE TRIM CORRECTED ULLAGE IS 4'-00 1/2"

LENGTH BETWEEN DRAFT MARKS: 163'-03"

September 20, 2019

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

<http://www.pmacorp.net>



BARGE "IB 1313"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-01 1/2"

IN	0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.
0	170,636	161,024	150,825	140,627	130,428	119,555	107,637	95,714	83,790	
1/4	170,569	160,812	150,613	140,414	130,216	119,307	107,389	95,465	83,542	
1/2	170,502	160,599	150,400	140,202	130,003	119,059	107,140	95,217	83,294	
3/4	170,356	160,387	150,188	140,000	129,791	118,811	106,892	94,969	83,045	
1	170,211	160,174	149,976	139,778	129,578	118,563	106,644	94,720	82,797	
1/4	170,066	159,962	149,763	139,564	129,366	118,315	106,395	94,472	82,548	
1/2	169,921	159,749	149,551	139,352	129,153	118,067	106,147	94,223	82,300	
3/4	169,775	159,537	149,338	139,139	128,941	117,819	105,975	93,972	82,052	
2	169,510	159,324	149,126	138,927	128,728	117,571	105,650	93,727	81,805	
1/4	169,304	159,112	148,913	138,715	128,516	117,323	105,401	93,478	81,557	
1/2	169,098	158,899	148,701	138,502	128,303	117,075	105,153	93,230	81,310	
3/4	168,885	158,687	148,488	138,290	128,091	116,827	104,905	92,981	81,062	
3	168,672	158,474	148,276	138,077	127,878	116,579	104,656	92,733	80,815	
1/4	168,459	158,262	148,063	137,865	127,666	116,331	104,408	92,485	80,568	
1/2	168,246	158,049	147,851	137,652	127,454	116,082	104,159	92,236	80,320	
3/4	168,034	157,837	147,638	137,440	127,241	115,834	103,911	91,988	80,073	
4	167,822	157,625	147,426	137,227	127,029	115,586	103,663	91,739	79,825	
1/4	167,610	157,412	147,213	137,015	126,816	115,338	103,414	91,491	79,578	
1/2	167,398	157,200	147,001	136,802	126,604	115,089	103,166	91,243	79,331	
3/4	167,186	156,987	146,788	136,590	126,391	114,841	102,917	90,994	79,083	
5	166,973	156,775	146,576	136,377	126,179	114,592	102,669	90,746	78,836	
1/4	166,761	156,562	146,364	136,165	125,966	114,344	102,421	90,497	78,589	
1/2	166,548	156,350	146,151	135,952	125,754	114,096	102,172	90,249	78,341	
3/4	166,336	156,137	145,939	135,740	125,542	113,847	101,924	90,001	78,094	
6	166,123	155,925	145,726	135,527	125,329	113,599	101,675	89,752	77,847	
1/4	165,911	155,712	145,514	135,315	125,116	113,350	101,427	89,504	77,599	
1/2	165,698	155,500	145,301	135,103	124,904	113,102	101,179	89,256	77,352	
3/4	165,486	155,287	145,089	134,890	124,692	112,854	100,930	89,007	77,105	
7	165,274	155,075	144,876	134,678	124,483	112,605	100,682	88,759	76,857	
1/4	165,061	154,862	144,664	134,465	124,271	112,357	100,433	88,510	76,610	
1/2	164,849	154,650	144,451	134,253	124,062	112,108	100,185	88,262	76,363	
3/4	164,636	154,437	144,239	134,040	123,850	111,860	99,937	88,013	76,115	
8	164,424	154,225	144,026	133,828	123,638	111,612	99,688	87,765	75,868	
1/4	164,211	154,012	143,814	133,615	123,427	111,363	99,440	87,516	75,621	
1/2	163,999	153,800	143,601	133,403	123,216	111,115	99,191	87,268	75,373	
3/4	163,786	153,588	143,389	133,190	122,980	110,866	98,943	87,020	75,126	
9	163,574	153,375	143,176	132,978	122,768	110,618	98,695	86,771	74,879	
1/4	163,361	153,163	142,964	132,765	122,552	110,370	98,446	86,523	74,631	
1/2	163,149	152,950	142,751	132,553	122,336	110,121	98,198	86,274	74,384	
3/4	162,936	152,738	142,539	132,340	122,120	109,873	97,949	86,026	74,137	
10	162,724	152,525	142,327	132,128	121,904	109,624	97,701	85,778	73,889	
1/4	162,511	152,313	142,114	131,915	121,692	109,376	97,453	85,529	73,642	
1/2	162,299	152,100	141,902	131,703	121,480	109,128	97,204	85,281	73,394	
3/4	162,086	151,888	141,689	131,490	121,268	108,879	96,956	85,032	73,147	
11	161,874	151,675	141,477	131,278	121,054	108,631	96,707	84,784	72,900	
1/4	161,661	151,463	141,264	131,066	120,841	108,382	96,459	84,536	72,652	
1/2	161,449	151,250	141,052	130,853	120,629	108,134	96,211	84,287	72,405	
3/4	161,237	151,038	140,839	130,641	120,416	107,886	95,962	84,039	72,157	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH IAPWS CHAPTER 2.7
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE
GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 30'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT

& ANALYSIS, INC.

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1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

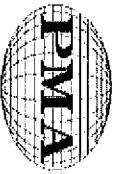
GAUGE HEIGHT 16'-0 1/2"

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	71,909	0	59,991	0	48,072	0	36,230	0	24,554	0	12,617	0	871	0	0	0	0	0	0
1/4	71,661	1/4	59,743	1/4	47,824	1/4	35,990	1/4	24,306	1/4	12,368	1/4	700	1/4	1/4	1/4	1/4	1/4	1/4
1/2	71,413	1/2	59,494	1/2	47,576	1/2	35,750	1/2	24,057	1/2	12,119	1/2	529	1/2	1/2	1/2	1/2	1/2	1/2
3/4	71,164	3/4	59,246	3/4	47,327	3/4	35,510	3/4	23,809	3/4	11,870	3/4	455	3/4	3/4	3/4	3/4	3/4	3/4
1	70,916	1	58,998	1	47,079	1	35,271	1	23,560	1	11,621	1	380	1	1	1	1	1	1
1/4	70,668	1/4	58,749	1/4	46,831	1/4	35,021	1/4	23,312	1/4	11,372	1/4	305	1/4	1/4	1/4	1/4	1/4	1/4
1/2	70,420	1/2	58,501	1/2	46,582	1/2	34,771	1/2	23,063	1/2	11,123	1/2	231	1/2	1/2	1/2	1/2	1/2	1/2
3/4	70,171	3/4	58,253	3/4	46,334	3/4	34,531	3/4	22,815	3/4	10,874	3/4	156	3/4	3/4	3/4	3/4	3/4	3/4
2	69,923	2	58,004	2	46,086	2	34,291	2	22,567	2	10,625	2	91	2	2	2	2	2	2
1/4	69,675	1/4	57,756	1/4	45,837	1/4	34,051	1/4	22,318	1/4	10,376	1/4	16	1/4	1/4	1/4	1/4	1/4	1/4
1/2	69,426	1/2	57,508	1/2	45,589	1/2	33,812	1/2	22,070	1/2	10,127	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2
3/4	69,178	3/4	57,259	3/4	45,341	3/4	33,562	3/4	21,821	3/4	9,878	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4
3	68,930	3	57,011	3	45,093	3	33,312	3	21,573	3	9,629	3	3	3	3	3	3	3	3
1/4	68,681	1/4	56,763	1/4	44,844	1/4	33,112	1/4	21,324	1/4	9,380	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4
1/2	68,433	1/2	56,515	1/2	44,596	1/2	32,872	1/2	21,076	1/2	9,131	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2
3/4	68,185	3/4	56,266	3/4	44,348	3/4	32,632	3/4	20,827	3/4	8,882	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4
4	67,937	4	56,018	4	44,099	4	32,383	4	20,579	4	8,633	4	4	4	4	4	4	4	4
1/4	67,688	1/4	55,770	1/4	43,851	1/4	32,153	1/4	20,330	1/4	8,384	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4
1/2	67,440	1/2	55,521	1/2	43,603	1/2	31,913	1/2	20,082	1/2	8,135	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2
3/4	67,192	3/4	55,273	3/4	43,354	3/4	31,673	3/4	19,834	3/4	7,886	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4
5	66,943	5	55,025	5	43,106	5	31,433	5	19,585	5	7,637	5	5	5	5	5	5	5	5
1/4	66,695	1/4	54,776	1/4	42,858	1/4	31,193	1/4	19,337	1/4	7,389	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4
1/2	66,447	1/2	54,528	1/2	42,610	1/2	30,954	1/2	19,088	1/2	7,140	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2
3/4	66,198	3/4	54,280	3/4	42,361	3/4	30,712	3/4	18,839	3/4	6,891	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4
6	65,950	6	54,032	6	42,113	6	30,471	6	18,590	6	6,642	6	5	6	6	6	6	6	6
1/4	65,702	1/4	53,783	1/4	41,865	1/4	30,229	1/4	18,342	1/4	6,393	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4
1/2	65,453	1/2	53,535	1/2	41,616	1/2	29,988	1/2	18,093	1/2	6,144	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2
3/4	65,205	3/4	53,287	3/4	41,368	3/4	29,746	3/4	17,844	3/4	5,895	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4
7	64,957	7	53,038	7	41,120	7	29,504	7	17,595	7	5,646	7	7	7	7	7	7	7	7
1/4	64,709	1/4	52,790	1/4	40,871	1/4	29,262	1/4	17,346	1/4	5,397	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4
1/2	64,460	1/2	52,542	1/2	40,623	1/2	29,020	1/2	17,097	1/2	5,148	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2
3/4	64,212	3/4	52,293	3/4	40,375	3/4	28,773	3/4	16,848	3/4	4,899	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4
8	63,964	8	52,045	8	40,126	8	28,526	8	16,599	8	4,650	8	8	8	8	8	8	8	8
1/4	63,715	1/4	51,797	1/4	39,878	1/4	28,279	1/4	16,350	1/4	4,401	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4
1/2	63,467	1/2	51,548	1/2	39,630	1/2	28,033	1/2	16,101	1/2	4,152	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2
3/4	63,219	3/4	51,300	3/4	39,382	3/4	27,784	3/4	15,852	3/4	3,903	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4
9	62,970	9	51,052	9	39,133	9	27,536	9	15,603	9	3,655	9	9	9	9	9	9	9	9
1/4	62,722	1/4	50,804	1/4	38,885	1/4	27,287	1/4	15,355	1/4	3,406	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4
1/2	62,474	1/2	50,555	1/2	38,637	1/2	27,039	1/2	15,106	1/2	3,157	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2
3/4	62,226	3/4	50,307	3/4	38,389	3/4	26,790	3/4	14,857	3/4	2,909	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4
10	61,977	10	50,059	10	38,141	10	26,542	10	14,608	10	2,661	10	10	10	10	10	10	10	10
1/4	61,729	1/4	49,810	1/4	37,891	1/4	26,293	1/4	14,359	1/4	2,413	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4
1/2	61,481	1/2	49,562	1/2	37,642	1/2	26,045	1/2	14,110	1/2	2,165	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2
3/4	61,232	3/4	49,314	3/4	37,393	3/4	25,796	3/4	13,861	3/4	1,927	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4
11	60,984	11	49,065	11	37,144	11	25,548	11	13,612	11	1,689	11	11	11	11	11	11	11	11
1/4	60,736	1/4	48,817	1/4	36,895	1/4	25,300	1/4	13,363	1/4	1,451	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4
1/2	60,487	1/2	48,569	1/2	36,647	1/2	25,051	1/2	13,114	1/2	1,212	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2
3/4	60,239	3/4	48,321	3/4	36,400	3/4	24,803	3/4	12,866	3/4	1,042	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/19/2019 CL
CALCULATED: 09/20/2019 CL
PRINTED: 09/20/2019 CL

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BARGE "IB 1313"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-02 3/4"

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	63,029	0	52,735	0	42,442	0	32,173	0	22,108	0	11,815	0	1,535	0		0			
1/4	62,814	1/4	52,521	1/4	42,227	1/4	31,965	1/4	21,894	1/4	11,600	1/4	1,330	1/4		1/4			
1/2	62,600	1/2	52,306	1/2	42,013	1/2	31,757	1/2	21,679	1/2	11,386	1/2	1,125	1/2		1/2			
3/4	62,385	3/4	52,092	3/4	41,798	3/4	31,549	3/4	21,465	3/4	11,172	3/4	920	3/4		3/4			
1	62,171	1	51,877	1	41,584	1	31,340	1	21,250	1	10,957	1	712	1		1			
1/4	61,957	1/4	51,663	1/4	41,369	1/4	31,132	1/4	21,036	1/4	10,743	1/4	625	1/4		1/4			
1/2	61,742	1/2	51,448	1/2	41,155	1/2	30,924	1/2	20,821	1/2	10,528	1/2	478	1/2		1/2			
3/4	61,528	3/4	51,234	3/4	40,940	3/4	30,716	3/4	20,607	3/4	10,314	3/4	331	3/4		3/4			
2	61,313	2	51,020	2	40,726	2	30,508	2	20,392	2	10,099	2	267	2		2			
1/4	61,099	1/4	50,805	1/4	40,512	1/4	30,300	1/4	20,178	1/4	9,885	1/4	202	1/4		1/4			
1/2	60,884	1/2	50,591	1/2	40,297	1/2	30,091	1/2	19,964	1/2	9,670	1/2	138	1/2		1/2			
3/4	60,670	3/4	50,376	3/4	40,083	3/4	29,883	3/4	19,749	3/4	9,456	3/4	74	3/4		3/4			
3	60,455	3	50,162	3	39,868	3	29,675	3	19,535	3	9,242	3		3		3			
1/4	60,241	1/4	49,947	1/4	39,654	1/4	29,467	1/4	19,320	1/4	9,027	1/4		1/4		1/4			
1/2	60,027	1/2	49,733	1/2	39,439	1/2	29,259	1/2	19,106	1/2	8,813	1/2		1/2		1/2			
3/4	59,812	3/4	49,518	3/4	39,225	3/4	29,051	3/4	18,891	3/4	8,598	3/4		3/4		3/4			
4	59,598	4	49,304	4	39,010	4	28,842	4	18,677	4	8,384	4		4		4			
1/4	59,383	1/4	49,090	1/4	38,796	1/4	28,634	1/4	18,463	1/4	8,169	1/4		1/4		1/4			
1/2	59,169	1/2	48,875	1/2	38,582	1/2	28,426	1/2	18,248	1/2	7,955	1/2		1/2		1/2			
3/4	58,954	3/4	48,661	3/4	38,367	3/4	28,218	3/4	18,034	3/4	7,740	3/4		3/4		3/4			
5	58,740	5	48,446	5	38,153	5	28,010	5	17,819	5	7,526	5		5		5			
1/4	58,525	1/4	48,232	1/4	37,938	1/4	27,802	1/4	17,605	1/4	7,312	1/4		1/4		1/4			
1/2	58,311	1/2	48,017	1/2	37,724	1/2	27,594	1/2	17,390	1/2	7,097	1/2		1/2		1/2			
3/4	58,096	3/4	47,803	3/4	37,509	3/4	27,385	3/4	17,176	3/4	6,883	3/4		3/4		3/4			
6	57,882	6	47,588	6	37,295	6	27,177	6	16,961	6	6,668	6		6		6			
1/4	57,668	1/4	47,374	1/4	37,080	1/4	26,969	1/4	16,747	1/4	6,454	1/4		1/4		1/4			
1/2	57,453	1/2	47,160	1/2	36,866	1/2	26,761	1/2	16,533	1/2	6,239	1/2		1/2		1/2			
3/4	57,239	3/4	46,945	3/4	36,651	3/4	26,553	3/4	16,318	3/4	6,025	3/4		3/4		3/4			
7	57,024	7	46,731	7	36,437	7	26,345	7	16,104	7	5,811	7		7		7			
1/4	56,810	1/4	46,516	1/4	36,223	1/4	26,137	1/4	15,889	1/4	5,596	1/4		1/4		1/4			
1/2	56,595	1/2	46,302	1/2	36,008	1/2	25,929	1/2	15,675	1/2	5,382	1/2		1/2		1/2			
3/4	56,381	3/4	46,087	3/4	35,794	3/4	25,721	3/4	15,460	3/4	5,167	3/4		3/4		3/4			
8	56,166	8	45,873	8	35,579	8	25,513	8	15,246	8	4,953	8		8		8			
1/4	55,952	1/4	45,658	1/4	35,365	1/4	25,305	1/4	15,031	1/4	4,738	1/4		1/4		1/4			
1/2	55,738	1/2	45,444	1/2	35,150	1/2	25,097	1/2	14,817	1/2	4,524	1/2		1/2		1/2			
3/4	55,523	3/4	45,229	3/4	34,936	3/4	24,889	3/4	14,603	3/4	4,309	3/4		3/4		3/4			
9	55,309	9	45,015	9	34,721	9	24,676	9	14,388	9	4,095	9		9		9			
1/4	55,094	1/4	44,801	1/4	34,507	1/4	24,464	1/4	14,174	1/4	3,881	1/4		1/4		1/4			
1/2	54,880	1/2	44,586	1/2	34,293	1/2	24,251	1/2	13,959	1/2	3,666	1/2		1/2		1/2			
3/4	54,665	3/4	44,372	3/4	34,078	3/4	24,038	3/4	13,745	3/4	3,452	3/4		3/4		3/4			
10	54,451	10	44,157	10	33,864	10	23,824	10	13,530	10	3,237	10		10		10			
1/4	54,236	1/4	43,943	1/4	33,649	1/4	23,609	1/4	13,316	1/4	3,023	1/4		1/4		1/4			
1/2	54,022	1/2	43,728	1/2	33,435	1/2	23,395	1/2	13,102	1/2	2,809	1/2		1/2		1/2			
3/4	53,807	3/4	43,514	3/4	33,220	3/4	23,180	3/4	12,887	3/4	2,595	3/4		3/4		3/4			
11	53,593	11	43,299	11	33,011	11	22,966	11	12,673	11	2,381	11		11		11			
1/4	53,379	1/4	43,085	1/4	32,801	1/4	22,751	1/4	12,458	1/4	2,167	1/4		1/4		1/4			
1/2	53,164	1/2	42,871	1/2	32,591	1/2	22,537	1/2	12,244	1/2	1,954	1/2		1/2		1/2			
3/4	52,950	3/4	42,656	3/4	32,381	3/4	22,322	3/4	12,029	3/4	1,740	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/19/2019 CL
 CALCULATED: 09/20/2019 CL
 PRINTED: 09/20/2019 CL
 CANCELLED AND SUPERCEDES
 ALL PRIOR TO 09/20/2019

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



BARGE "IB 1313"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	154,542	0	144,844	0	134,512	0	124,180	0	113,848	0	103,516	0	93,184	0	82,852	0	72,521	0
1/4	1/4	154,484	1/4	144,638	1/4	134,297	1/4	123,965	1/4	113,633	1/4	103,301	1/4	92,969	1/4	82,637	1/4	72,306	1/4
1/2	1/2	154,358	1/2	144,413	1/2	134,081	1/2	123,749	1/2	113,417	1/2	103,086	1/2	92,754	1/2	82,422	1/2	72,090	1/2
3/4	3/4	154,232	3/4	144,188	3/4	133,866	3/4	123,534	3/4	113,202	3/4	102,871	3/4	92,539	3/4	82,207	3/4	71,875	3/4
1	1	154,107	1	143,983	1	133,851	1	123,519	1	112,987	1	102,855	1	92,523	1	81,992	1	71,660	1
1/4	1/4	153,981	1/4	143,757	1/4	133,436	1/4	123,104	1/4	112,772	1/4	102,440	1/4	92,108	1/4	81,776	1/4	71,445	1/4
1/2	1/2	153,792	1/2	143,582	1/2	133,220	1/2	122,888	1/2	112,557	1/2	102,225	1/2	91,893	1/2	81,561	1/2	71,229	1/2
3/4	3/4	153,602	3/4	143,337	3/4	133,005	3/4	122,673	3/4	112,341	3/4	102,010	3/4	91,678	3/4	81,346	3/4	71,014	3/4
2	2	153,413	2	143,122	2	132,790	2	122,458	2	112,126	2	101,794	2	91,462	2	81,131	2	70,799	2
1/4	1/4	153,223	1/4	142,906	1/4	132,575	1/4	122,243	1/4	111,911	1/4	101,579	1/4	91,247	1/4	80,915	1/4	70,584	1/4
1/2	1/2	153,011	1/2	142,691	1/2	132,359	1/2	122,027	1/2	111,696	1/2	101,364	1/2	90,932	1/2	80,700	1/2	70,368	1/2
3/4	3/4	152,799	3/4	142,476	3/4	132,144	3/4	121,812	3/4	111,480	3/4	101,149	3/4	90,817	3/4	80,485	3/4	70,153	3/4
3	3	152,587	3	142,261	3	131,929	3	121,597	3	111,265	3	100,933	3	90,601	3	80,270	3	69,938	3
1/4	1/4	152,375	1/4	142,045	1/4	131,714	1/4	121,382	1/4	111,050	1/4	100,718	1/4	90,386	1/4	80,054	1/4	69,723	1/4
1/2	1/2	152,160	1/2	141,830	1/2	131,498	1/2	121,166	1/2	110,835	1/2	100,503	1/2	90,171	1/2	79,839	1/2	69,507	1/2
3/4	3/4	151,946	3/4	141,615	3/4	131,283	3/4	120,951	3/4	110,619	3/4	100,288	3/4	89,956	3/4	79,624	3/4	69,292	3/4
4	4	151,731	4	141,400	4	131,068	4	120,736	4	110,404	4	100,072	4	89,741	4	79,409	4	69,077	4
1/4	1/4	151,516	1/4	141,184	1/4	130,853	1/4	120,521	1/4	110,189	1/4	99,857	1/4	89,525	1/4	79,193	1/4	68,862	1/4
1/2	1/2	151,301	1/2	140,969	1/2	130,637	1/2	120,305	1/2	109,974	1/2	99,642	1/2	89,310	1/2	78,978	1/2	68,646	1/2
3/4	3/4	151,086	3/4	140,754	3/4	130,422	3/4	120,090	3/4	109,758	3/4	99,427	3/4	89,095	3/4	78,763	3/4	68,431	3/4
5	5	150,870	5	140,539	5	130,207	5	119,875	5	109,543	5	99,211	5	88,880	5	78,548	5	68,216	5
1/4	1/4	150,655	1/4	140,323	1/4	129,992	1/4	119,660	1/4	109,328	1/4	98,996	1/4	88,664	1/4	78,332	1/4	68,001	1/4
1/2	1/2	150,440	1/2	140,108	1/2	129,776	1/2	119,445	1/2	109,113	1/2	98,781	1/2	88,449	1/2	78,117	1/2	67,785	1/2
3/4	3/4	150,225	3/4	139,893	3/4	129,561	3/4	119,229	3/4	108,897	3/4	98,566	3/4	88,234	3/4	77,902	3/4	67,570	3/4
6	6	150,010	6	139,678	6	129,346	6	119,014	6	108,682	6	98,350	6	88,019	6	77,687	6	67,355	6
1/4	1/4	149,794	1/4	139,462	1/4	129,131	1/4	118,799	1/4	108,467	1/4	98,135	1/4	87,803	1/4	77,471	1/4	67,140	1/4
1/2	1/2	149,579	1/2	139,247	1/2	128,915	1/2	118,584	1/2	108,252	1/2	97,920	1/2	87,588	1/2	77,256	1/2	66,924	1/2
3/4	3/4	149,364	3/4	139,032	3/4	128,700	3/4	118,368	3/4	108,036	3/4	97,705	3/4	87,373	3/4	77,041	3/4	66,709	3/4
7	7	149,149	7	138,817	7	128,485	7	118,153	7	107,821	7	97,489	7	87,158	7	76,828	7	66,494	7
1/4	1/4	148,933	1/4	138,601	1/4	128,270	1/4	117,938	1/4	107,606	1/4	97,274	1/4	86,942	1/4	76,610	1/4	66,279	1/4
1/2	1/2	148,718	1/2	138,386	1/2	128,054	1/2	117,723	1/2	107,391	1/2	97,059	1/2	86,727	1/2	76,395	1/2	66,063	1/2
3/4	3/4	148,503	3/4	138,171	3/4	127,839	3/4	117,507	3/4	107,175	3/4	96,844	3/4	86,512	3/4	76,180	3/4	65,848	3/4
8	8	148,288	8	137,956	8	127,624	8	117,292	8	106,960	8	96,628	8	86,297	8	75,965	8	65,633	8
1/4	1/4	148,072	1/4	137,740	1/4	127,409	1/4	117,077	1/4	106,745	1/4	96,413	1/4	86,081	1/4	75,749	1/4	65,418	1/4
1/2	1/2	147,857	1/2	137,525	1/2	127,193	1/2	116,862	1/2	106,530	1/2	96,198	1/2	85,866	1/2	75,534	1/2	65,202	1/2
3/4	3/4	147,642	3/4	137,310	3/4	126,978	3/4	116,646	3/4	106,314	3/4	95,983	3/4	85,681	3/4	75,319	3/4	64,987	3/4
9	9	147,427	9	137,095	9	126,763	9	116,431	9	106,099	9	95,767	9	85,436	9	75,104	9	64,772	9
1/4	1/4	147,211	1/4	136,879	1/4	126,548	1/4	116,216	1/4	105,884	1/4	95,552	1/4	85,220	1/4	74,889	1/4	64,557	1/4
1/2	1/2	146,996	1/2	136,664	1/2	126,332	1/2	116,001	1/2	105,669	1/2	95,337	1/2	85,005	1/2	74,673	1/2	64,341	1/2
3/4	3/4	146,781	3/4	136,449	3/4	126,117	3/4	115,785	3/4	105,453	3/4	95,122	3/4	84,790	3/4	74,458	3/4	64,126	3/4
10	10	146,566	10	136,234	10	125,902	10	115,570	10	105,238	10	94,906	10	84,575	10	74,243	10	63,911	10
1/4	1/4	146,350	1/4	136,018	1/4	125,687	1/4	115,354	1/4	105,023	1/4	94,691	1/4	84,359	1/4	74,028	1/4	63,696	1/4
1/2	1/2	146,135	1/2	135,803	1/2	125,471	1/2	115,140	1/2	104,808	1/2	94,476	1/2	84,144	1/2	73,812	1/2	63,480	1/2
3/4	3/4	145,920	3/4	135,588	3/4	125,256	3/4	114,924	3/4	104,593	3/4	94,261	3/4	83,929	3/4	73,597	3/4	63,265	3/4
11	11	145,705	11	135,373	11	125,041	11	114,709	11	104,377	11	94,045	11	83,714	11	73,382	11	63,050	11
1/4	1/4	145,489	1/4	135,158	1/4	124,826	1/4	114,494	1/4	104,162	1/4	93,830	1/4	83,488	1/4	73,167	1/4	62,835	1/4
1/2	1/2	145,274	1/2	134,942	1/2	124,610	1/2	114,279	1/2	103,947	1/2	93,615	1/2	83,283	1/2	72,951	1/2	62,619	1/2
3/4	3/4	145,059	3/4	134,727	3/4	124,395	3/4	114,063	3/4	103,732	3/4	93,400	3/4	83,068	3/4	72,736	3/4	62,404	3/4

GAUGE HEIGHT 16'-01 1/4"

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH IMPMS CHAPTER 2.7

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL

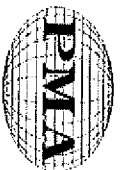
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 24'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT

8 ANNA LYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
http://www.pmacorp.net



BARGE "IB 1313"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-01 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	62,189	0	51,857	0	41,525	0	31,201	0	20,898	0	10,567	0	480	0	0	0	0	0	0
1/4	61,974	1/4	51,642	1/4	41,310	1/4	30,987	1/4	20,683	1/4	10,352	1/4	332	1/4	0	1/4	1/4	1/4	1/4
1/2	61,758	1/2	51,427	1/2	41,095	1/2	30,772	1/2	20,468	1/2	10,137	1/2	268	1/2	1/2	1/2	1/2	1/2	1/2
3/4	61,543	3/4	51,211	3/4	40,880	3/4	30,558	3/4	20,253	3/4	9,921	3/4	203	3/4	3/4	3/4	3/4	3/4	3/4
1	61,328	1	50,996	1	40,664	1	30,344	1	20,037	1	9,706	1	138	1	1	1	1	1	1
1/4	61,113	1/4	50,781	1/4	40,449	1/4	30,130	1/4	19,822	1/4	9,491	1/4	74	1/4	1/4	1/4	1/4	1/4	1/4
1/2	60,897	1/2	50,566	1/2	40,234	1/2	29,915	1/2	19,607	1/2	9,276	1/2	74	1/2	1/2	1/2	1/2	1/2	1/2
3/4	60,682	3/4	50,350	3/4	40,019	3/4	29,701	3/4	19,392	3/4	9,060	3/4	74	3/4	3/4	3/4	3/4	3/4	3/4
2	60,467	2	50,135	2	39,803	2	29,487	2	19,177	2	8,845	2	74	2	2	2	2	2	2
1/4	60,252	1/4	49,920	1/4	39,588	1/4	29,273	1/4	18,961	1/4	8,630	1/4	74	1/4	1/4	1/4	1/4	1/4	1/4
1/2	60,037	1/2	49,705	1/2	39,373	1/2	29,058	1/2	18,746	1/2	8,415	1/2	74	1/2	1/2	1/2	1/2	1/2	1/2
3/4	59,821	3/4	49,489	3/4	39,158	3/4	28,844	3/4	18,531	3/4	8,199	3/4	74	3/4	3/4	3/4	3/4	3/4	3/4
3	59,606	3	49,274	3	38,942	3	28,630	3	18,316	3	7,984	3	74	3	3	3	3	3	3
1/4	59,391	1/4	49,059	1/4	38,727	1/4	28,415	1/4	18,100	1/4	7,769	1/4	74	1/4	1/4	1/4	1/4	1/4	1/4
1/2	59,176	1/2	48,844	1/2	38,512	1/2	28,201	1/2	17,885	1/2	7,554	1/2	74	1/2	1/2	1/2	1/2	1/2	1/2
3/4	58,960	3/4	48,628	3/4	38,297	3/4	27,987	3/4	17,670	3/4	7,338	3/4	74	3/4	3/4	3/4	3/4	3/4	3/4
4	58,745	4	48,413	4	38,081	4	27,773	4	17,455	4	7,123	4	74	4	4	4	4	4	4
1/4	58,530	1/4	48,198	1/4	37,866	1/4	27,558	1/4	17,239	1/4	6,908	1/4	74	1/4	1/4	1/4	1/4	1/4	1/4
1/2	58,315	1/2	47,983	1/2	37,651	1/2	27,344	1/2	17,024	1/2	6,693	1/2	74	1/2	1/2	1/2	1/2	1/2	1/2
3/4	58,099	3/4	47,767	3/4	37,436	3/4	27,130	3/4	16,809	3/4	6,478	3/4	74	3/4	3/4	3/4	3/4	3/4	3/4
5	57,884	5	47,552	5	37,220	5	26,915	5	16,594	5	6,262	5	74	5	5	5	5	5	5
1/4	57,669	1/4	47,337	1/4	37,005	1/4	26,701	1/4	16,378	1/4	6,047	1/4	74	1/4	1/4	1/4	1/4	1/4	1/4
1/2	57,454	1/2	47,122	1/2	36,790	1/2	26,487	1/2	16,163	1/2	5,832	1/2	74	1/2	1/2	1/2	1/2	1/2	1/2
3/4	57,238	3/4	46,906	3/4	36,575	3/4	26,273	3/4	15,948	3/4	5,617	3/4	74	3/4	3/4	3/4	3/4	3/4	3/4
6	57,023	6	46,691	6	36,359	6	26,058	6	15,733	6	5,401	6	74	6	6	6	6	6	6
1/4	56,808	1/4	46,476	1/4	36,144	1/4	25,844	1/4	15,518	1/4	5,186	1/4	74	1/4	1/4	1/4	1/4	1/4	1/4
1/2	56,593	1/2	46,261	1/2	35,929	1/2	25,630	1/2	15,302	1/2	4,971	1/2	74	1/2	1/2	1/2	1/2	1/2	1/2
3/4	56,377	3/4	46,046	3/4	35,714	3/4	25,416	3/4	15,087	3/4	4,756	3/4	74	3/4	3/4	3/4	3/4	3/4	3/4
7	56,162	7	45,830	7	35,498	7	25,201	7	14,872	7	4,540	7	74	7	7	7	7	7	7
1/4	55,947	1/4	45,615	1/4	35,283	1/4	24,987	1/4	14,657	1/4	4,325	1/4	74	1/4	1/4	1/4	1/4	1/4	1/4
1/2	55,732	1/2	45,400	1/2	35,068	1/2	24,772	1/2	14,441	1/2	4,110	1/2	74	1/2	1/2	1/2	1/2	1/2	1/2
3/4	55,516	3/4	45,185	3/4	34,853	3/4	24,557	3/4	14,226	3/4	3,895	3/4	74	3/4	3/4	3/4	3/4	3/4	3/4
8	55,301	8	44,969	8	34,637	8	24,342	8	14,011	8	3,679	8	74	8	8	8	8	8	8
1/4	55,086	1/4	44,754	1/4	34,422	1/4	24,127	1/4	13,796	1/4	3,464	1/4	74	1/4	1/4	1/4	1/4	1/4	1/4
1/2	54,871	1/2	44,539	1/2	34,207	1/2	23,912	1/2	13,580	1/2	3,249	1/2	74	1/2	1/2	1/2	1/2	1/2	1/2
3/4	54,655	3/4	44,324	3/4	33,992	3/4	23,697	3/4	13,365	3/4	3,034	3/4	74	3/4	3/4	3/4	3/4	3/4	3/4
9	54,440	9	44,108	9	33,776	9	23,481	9	13,150	9	2,819	9	74	9	9	9	9	9	9
1/4	54,225	1/4	43,893	1/4	33,561	1/4	23,266	1/4	12,935	1/4	2,604	1/4	74	1/4	1/4	1/4	1/4	1/4	1/4
1/2	54,010	1/2	43,678	1/2	33,346	1/2	23,051	1/2	12,719	1/2	2,390	1/2	74	1/2	1/2	1/2	1/2	1/2	1/2
3/4	53,794	3/4	43,463	3/4	33,132	3/4	22,836	3/4	12,504	3/4	2,175	3/4	74	3/4	3/4	3/4	3/4	3/4	3/4
10	53,579	10	43,247	10	32,917	10	22,620	10	12,289	10	1,961	10	74	10	10	10	10	10	10
1/4	53,364	1/4	43,032	1/4	32,702	1/4	22,405	1/4	12,074	1/4	1,746	1/4	74	1/4	1/4	1/4	1/4	1/4	1/4
1/2	53,149	1/2	42,817	1/2	32,488	1/2	22,190	1/2	11,858	1/2	1,541	1/2	74	1/2	1/2	1/2	1/2	1/2	1/2
3/4	52,933	3/4	42,602	3/4	32,273	3/4	21,975	3/4	11,643	3/4	1,335	3/4	74	3/4	3/4	3/4	3/4	3/4	3/4
11	52,718	11	42,386	11	32,059	11	21,759	11	11,428	11	1,129	11	74	11	11	11	11	11	11
1/4	52,503	1/4	42,171	1/4	31,844	1/4	21,544	1/4	11,213	1/4	923	1/4	74	1/4	1/4	1/4	1/4	1/4	1/4
1/2	52,288	1/2	41,956	1/2	31,630	1/2	21,329	1/2	10,998	1/2	775	1/2	74	1/2	1/2	1/2	1/2	1/2	1/2
3/4	52,072	3/4	41,741	3/4	31,415	3/4	21,114	3/4	10,782	3/4	627	3/4	74	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/19/2019 CL
 CALCULATED: 09/20/2019 CL
 PRINTED: 09/20/2019 CL
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 09/20/19

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