

GAL/1025



BARGE "IB 1316"

ULLAGE TRIM TABLE

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

(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 00-3/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 CENTER, THE TRIM CORRECTED ULLAGE IS 4'-00 3/8"

LENGTH BETWEEN DRAFT MARKS: 163'-03"

March 25, 2020

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

<http://www.pmacorp.net>



BARGE "IB 1316"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-02"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	170,413	0	161,111	0	150,934	0	140,756	0	130,579	0	119,800	0	107,907	0	95,009	0	84,111	
1/4		170,346	1/4	160,899	1/4	150,722	1/4	140,544	1/4	130,367	1/4	119,552	1/4	107,660	1/4	95,761	1/4	83,863	
1/2		170,279	1/2	160,687	1/2	150,510	1/2	140,332	1/2	130,155	1/2	119,305	1/2	107,412	1/2	95,513	1/2	83,615	
3/4		170,212	3/4	160,475	3/4	150,298	3/4	140,120	3/4	129,943	3/4	119,057	3/4	107,164	3/4	95,265	3/4	83,367	
1		170,144	1	160,283	1	150,085	1	139,908	1	129,731	1	118,810	1	106,916	1	95,017	1	83,119	
1 1/4		170,000	1 1/4	160,051	1 1/4	149,873	1 1/4	139,686	1 1/4	129,519	1 1/4	118,562	1 1/4	106,668	1 1/4	94,770	1 1/4	82,871	
1 1/2		169,856	1 1/2	159,839	1 1/2	149,661	1 1/2	139,484	1 1/2	129,307	1 1/2	118,315	1 1/2	106,420	1 1/2	94,522	1 1/2	82,623	
1 3/4		169,710	1 3/4	159,627	1 3/4	149,449	1 3/4	139,272	1 3/4	129,095	1 3/4	118,087	1 3/4	106,172	1 3/4	94,274	1 3/4	82,375	
2		169,565	2	159,415	2	149,237	2	139,060	2	128,883	2	117,820	2	105,924	2	94,026	2	82,128	
2 1/4		169,300	2 1/4	159,203	2 1/4	149,025	2 1/4	138,848	2 1/4	128,671	2 1/4	117,572	2 1/4	105,676	2 1/4	93,778	2 1/4	81,880	
2 1/2		169,155	2 1/2	158,991	2 1/2	148,813	2 1/2	138,636	2 1/2	128,459	2 1/2	117,325	2 1/2	105,429	2 1/2	93,530	2 1/2	81,633	
2 3/4		168,960	2 3/4	158,779	2 3/4	148,601	2 3/4	138,424	2 3/4	128,247	2 3/4	117,077	2 3/4	105,181	2 3/4	93,282	2 3/4	81,386	
3		168,744	3	158,567	3	148,389	3	138,212	3	128,035	3	116,829	3	104,933	3	93,034	3	81,139	
3 1/4		168,532	3 1/4	158,355	3 1/4	148,177	3 1/4	138,000	3 1/4	127,823	3 1/4	116,582	3 1/4	104,685	3 1/4	92,787	3 1/4	80,892	
3 1/2		168,319	3 1/2	158,143	3 1/2	147,965	3 1/2	137,788	3 1/2	127,611	3 1/2	116,334	3 1/2	104,437	3 1/2	92,539	3 1/2	80,646	
3 3/4		168,106	3 3/4	157,930	3 3/4	147,753	3 3/4	137,576	3 3/4	127,399	3 3/4	116,087	3 3/4	104,189	3 3/4	92,291	3 3/4	80,399	
4		167,893	4	157,718	4	147,541	4	137,384	4	127,187	4	115,839	4	103,941	4	92,043	4	80,152	
4 1/4		167,680	4 1/4	157,506	4 1/4	147,329	4 1/4	137,152	4 1/4	126,975	4 1/4	115,592	4 1/4	103,693	4 1/4	91,795	4 1/4	79,905	
4 1/2		167,472	4 1/2	157,294	4 1/2	147,117	4 1/2	136,940	4 1/2	126,763	4 1/2	115,344	4 1/2	103,446	4 1/2	91,547	4 1/2	79,658	
4 3/4		167,269	4 3/4	157,082	4 3/4	146,905	4 3/4	136,728	4 3/4	126,550	4 3/4	115,096	4 3/4	103,198	4 3/4	91,299	4 3/4	79,411	
5		167,047	5	156,870	5	146,693	5	136,516	5	126,338	5	114,848	5	102,950	5	91,051	5	79,165	
5 1/4		166,835	5 1/4	156,658	5 1/4	146,481	5 1/4	136,304	5 1/4	126,126	5 1/4	114,600	5 1/4	102,702	5 1/4	90,803	5 1/4	78,918	
5 1/2		166,623	5 1/2	156,446	5 1/2	146,269	5 1/2	136,092	5 1/2	125,914	5 1/2	114,352	5 1/2	102,454	5 1/2	90,555	5 1/2	78,671	
5 3/4		166,412	5 3/4	156,234	5 3/4	146,057	5 3/4	135,880	5 3/4	125,702	5 3/4	114,104	5 3/4	102,206	5 3/4	90,308	5 3/4	78,424	
6		166,200	6	156,022	6	145,845	6	135,668	6	125,490	6	113,857	6	101,958	6	90,060	6	78,177	
6 1/4		165,988	6 1/4	155,810	6 1/4	145,633	6 1/4	135,456	6 1/4	125,278	6 1/4	113,609	6 1/4	101,710	6 1/4	89,812	6 1/4	77,930	
6 1/2		165,776	6 1/2	155,598	6 1/2	145,421	6 1/2	135,244	6 1/2	125,066	6 1/2	113,361	6 1/2	101,462	6 1/2	89,564	6 1/2	77,684	
6 3/4		165,563	6 3/4	155,386	6 3/4	145,209	6 3/4	135,032	6 3/4	124,854	6 3/4	113,113	6 3/4	101,215	6 3/4	89,316	6 3/4	77,437	
7		165,351	7	155,174	7	144,997	7	134,820	7	124,642	7	112,865	7	100,967	7	89,068	7	77,190	
7 1/4		165,139	7 1/4	154,962	7 1/4	144,785	7 1/4	134,608	7 1/4	124,417	7 1/4	112,617	7 1/4	100,719	7 1/4	88,820	7 1/4	76,943	
7 1/2		164,927	7 1/2	154,750	7 1/2	144,573	7 1/2	134,396	7 1/2	124,192	7 1/2	112,369	7 1/2	100,471	7 1/2	88,573	7 1/2	76,696	
7 3/4		164,715	7 3/4	154,538	7 3/4	144,361	7 3/4	134,183	7 3/4	123,967	7 3/4	112,121	7 3/4	100,223	7 3/4	88,325	7 3/4	76,449	
8		164,503	8	154,326	8	144,149	8	133,971	8	123,742	8	111,874	8	99,975	8	88,077	8	76,203	
8 1/4		164,291	8 1/4	154,114	8 1/4	143,937	8 1/4	133,759	8 1/4	123,528	8 1/4	111,626	8 1/4	99,727	8 1/4	87,829	8 1/4	75,956	
8 1/2		164,079	8 1/2	153,902	8 1/2	143,725	8 1/2	133,547	8 1/2	123,258	8 1/2	111,378	8 1/2	99,479	8 1/2	87,581	8 1/2	75,709	
8 3/4		163,867	8 3/4	153,690	8 3/4	143,513	8 3/4	133,335	8 3/4	123,013	8 3/4	111,130	8 3/4	99,232	8 3/4	87,333	8 3/4	75,462	
9		163,655	9	153,478	9	143,301	9	133,123	9	122,770	9	110,882	9	98,984	9	87,085	9	75,215	
9 1/4		163,443	9 1/4	153,266	9 1/4	143,089	9 1/4	132,911	9 1/4	122,523	9 1/4	110,634	9 1/4	98,736	9 1/4	86,837	9 1/4	74,968	
9 1/2		163,231	9 1/2	153,054	9 1/2	142,877	9 1/2	132,699	9 1/2	122,275	9 1/2	110,386	9 1/2	98,488	9 1/2	86,589	9 1/2	74,722	
9 3/4		163,019	9 3/4	152,842	9 3/4	142,665	9 3/4	132,487	9 3/4	122,028	9 3/4	110,138	9 3/4	98,240	9 3/4	86,342	9 3/4	74,475	
10		162,807	10	152,630	10	142,453	10	132,275	10	121,780	10	109,890	10	97,992	10	86,094	10	74,228	
10 1/4		162,595	10 1/4	152,418	10 1/4	142,240	10 1/4	132,063	10 1/4	121,533	10 1/4	109,643	10 1/4	97,744	10 1/4	85,846	10 1/4	73,981	
10 1/2		162,383	10 1/2	152,206	10 1/2	142,028	10 1/2	131,851	10 1/2	121,285	10 1/2	109,395	10 1/2	97,496	10 1/2	85,598	10 1/2	73,734	
10 3/4		162,171	10 3/4	151,994	10 3/4	141,816	10 3/4	131,639	10 3/4	121,037	10 3/4	109,147	10 3/4	97,248	10 3/4	85,350	10 3/4	73,487	
11		161,959	11	151,782	11	141,604	11	131,427	11	120,790	11	108,899	11	97,001	11	85,102	11	73,241	
11 1/4		161,747	11 1/4	151,570	11 1/4	141,392	11 1/4	131,215	11 1/4	120,542	11 1/4	108,651	11 1/4	96,753	11 1/4	84,854	11 1/4	72,994	
11 1/2		161,535	11 1/2	151,358	11 1/2	141,180	11 1/2	131,003	11 1/2	120,295	11 1/2	108,403	11 1/2	96,505	11 1/2	84,606	11 1/2	72,747	
11 3/4		161,323	11 3/4	151,146	11 3/4	140,968	11 3/4	130,791	11 3/4	120,047	11 3/4	108,155	11 3/4	96,257	11 3/4	84,358	11 3/4	72,500	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE.
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 30'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "IB 1316"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-02"

	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.
0	72,253	60,361	48,467	36,533	24,999	13,087	1,210			
1/4	72,008	60,113	48,219	36,383	24,751	12,830	1,039			
1/2	71,758	59,865	47,971	36,134	24,503	12,590	869			
3/4	71,511	59,617	47,724	35,915	24,285	12,342	698			
1	71,263	59,369	47,476	35,675	24,007	12,093	528			
1 1/4	71,015	59,122	47,228	35,436	23,769	11,845	454			
1 1/2	70,768	58,874	46,980	35,197	23,511	11,596	379			
1 3/4	70,520	58,626	46,732	34,957	23,263	11,348	304			
2	70,272	58,378	46,486	34,718	23,015	11,099	230			
2 1/4	70,024	58,131	46,237	34,479	22,767	10,851	155			
2 1/2	69,776	57,883	46,000	34,239	22,519	10,603	80			
2 3/4	69,529	57,635	45,741	34,000	22,271	10,354	5			
3	69,281	57,387	45,494	33,761	22,023	10,106				
3 1/4	69,033	57,139	45,246	33,521	21,775	9,857				
3 1/2	68,785	56,892	44,998	33,282	21,527	9,609				
3 3/4	68,538	56,644	44,750	33,043	21,279	9,360				
4	68,290	56,398	44,502	32,803	21,032	9,112				
4 1/4	68,042	56,148	44,255	32,564	20,784	8,863				
4 1/2	67,794	55,901	44,007	32,325	20,536	8,615				
4 3/4	67,546	55,653	43,759	32,085	20,288	8,367				
5	67,299	55,405	43,511	31,846	20,040	8,118				
5 1/4	67,051	55,157	43,263	31,607	19,792	7,870				
5 1/2	66,803	54,909	43,016	31,367	19,544	7,621				
5 3/4	66,556	54,662	42,768	31,128	19,296	7,373				
6	66,307	54,414	42,520	30,889	19,048	7,124				
6 1/4	66,060	54,166	42,272	30,648	18,800	6,876				
6 1/2	65,812	53,918	42,025	30,407	18,551	6,628				
6 3/4	65,564	53,670	41,777	30,166	18,303	6,379				
7	65,316	53,423	41,529	29,925	18,055	6,131				
7 1/4	65,069	53,175	41,281	29,683	17,806	5,882				
7 1/2	64,821	52,927	41,033	29,442	17,558	5,634				
7 3/4	64,573	52,679	40,786	29,200	17,310	5,385				
8	64,325	52,432	40,538	28,959	17,061	5,137				
8 1/4	64,077	52,184	40,290	28,713	16,813	4,889				
8 1/2	63,830	51,936	40,042	28,466	16,564	4,640				
8 3/4	63,582	51,688	39,795	28,220	16,316	4,392				
9	63,334	51,440	39,547	27,974	16,067	4,143				
9 1/4	63,086	51,193	39,299	27,726	15,819	3,895				
9 1/2	62,838	50,945	39,051	27,478	15,571	3,647				
9 3/4	62,591	50,697	38,803	27,230	15,322	3,399				
10	62,343	50,449	38,556	26,982	15,074	3,150				
10 1/4	62,095	50,201	38,314	26,734	14,826	2,903				
10 1/2	61,847	49,954	38,073	26,486	14,577	2,655				
10 3/4	61,600	49,706	37,831	26,238	14,329	2,408				
11	61,352	49,458	37,590	25,990	14,080	2,161				
11 1/4	61,104	49,210	37,350	25,742	13,832	1,923				
11 1/2	60,856	48,963	37,111	25,494	13,584	1,685				
11 3/4	60,608	48,715	36,872	25,246	13,335	1,447				

STRAPPED: 03/23/2020 CL
CALCULATED: 03/24/2020 CL
PRINTED: 03/24/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2020

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "IB 1316"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-01 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	153,415	0	143,934	0	133,867	0	123,400	0	113,133	0	102,866	0	92,598	0	82,331	0	72,064	
1/4	1/4	153,367	1/4	143,720	1/4	133,453	1/4	123,186	1/4	112,919	1/4	102,652	1/4	92,385	1/4	82,117	1/4	71,850	
1/2	1/2	153,299	1/2	143,506	1/2	133,239	1/2	122,972	1/2	112,705	1/2	102,438	1/2	92,171	1/2	81,904	1/2	71,637	
3/4	3/4	153,175	3/4	143,292	3/4	133,025	3/4	122,758	3/4	112,491	3/4	102,224	3/4	91,957	3/4	81,690	3/4	71,423	
1	1	153,060	1	143,078	1	132,811	1	122,544	1	112,277	1	102,010	1	91,743	1	81,476	1	71,209	
1 1/4	1 1/4	152,925	1 1/4	142,964	1 1/4	132,597	1 1/4	122,330	1 1/4	112,063	1 1/4	101,796	1 1/4	91,529	1 1/4	81,262	1 1/4	70,995	
1 1/2	1 1/2	152,800	1 1/2	142,850	1 1/2	132,383	1 1/2	122,116	1 1/2	111,849	1 1/2	101,582	1 1/2	91,315	1 1/2	81,048	1 1/2	70,781	
1 3/4	1 3/4	152,612	1 3/4	142,437	1 3/4	132,169	1 3/4	121,902	1 3/4	111,635	1 3/4	101,388	1 3/4	91,101	1 3/4	80,834	1 3/4	70,587	
2	2	152,424	2	142,223	2	131,956	2	121,888	2	111,421	2	101,154	2	90,887	2	80,620	2	70,353	
2 1/4	2 1/4	152,236	2 1/4	142,009	2 1/4	131,742	2 1/4	121,475	2 1/4	111,208	2 1/4	100,940	2 1/4	90,673	2 1/4	80,406	2 1/4	70,139	
2 1/2	2 1/2	152,047	2 1/2	141,795	2 1/2	131,528	2 1/2	121,261	2 1/2	110,994	2 1/2	100,727	2 1/2	90,459	2 1/2	80,192	2 1/2	69,925	
2 3/4	2 3/4	151,838	2 3/4	141,581	2 3/4	131,314	2 3/4	121,047	2 3/4	110,780	2 3/4	100,513	2 3/4	90,246	2 3/4	79,979	2 3/4	69,711	
3	3	151,626	3	141,367	3	131,100	3	120,833	3	110,566	3	100,299	3	90,032	3	79,765	3	69,498	
3 1/4	3 1/4	151,415	3 1/4	141,153	3 1/4	130,886	3 1/4	120,619	3 1/4	110,352	3 1/4	100,065	3 1/4	89,818	3 1/4	79,551	3 1/4	69,284	
3 1/2	3 1/2	151,204	3 1/2	140,939	3 1/2	130,672	3 1/2	120,405	3 1/2	110,138	3 1/2	99,871	3 1/2	89,604	3 1/2	79,337	3 1/2	69,070	
3 3/4	3 3/4	150,991	3 3/4	140,725	3 3/4	130,458	3 3/4	120,191	3 3/4	109,924	3 3/4	99,657	3 3/4	89,380	3 3/4	79,123	3 3/4	68,856	
4	4	150,777	4	140,511	4	130,244	4	119,977	4	109,710	4	99,443	4	89,176	4	78,909	4	68,642	
4 1/4	4 1/4	150,564	4 1/4	140,298	4 1/4	130,030	4 1/4	119,763	4 1/4	109,496	4 1/4	99,229	4 1/4	88,982	4 1/4	78,695	4 1/4	68,428	
4 1/2	4 1/2	150,350	4 1/2	140,084	4 1/2	129,817	4 1/2	119,550	4 1/2	109,282	4 1/2	99,015	4 1/2	88,748	4 1/2	78,481	4 1/2	68,214	
4 3/4	4 3/4	150,137	4 3/4	139,870	4 3/4	129,603	4 3/4	119,336	4 3/4	109,069	4 3/4	98,801	4 3/4	88,534	4 3/4	78,267	4 3/4	68,000	
5	5	149,923	5	139,656	5	129,389	5	119,122	5	108,855	5	98,588	5	88,320	5	78,053	5	67,786	
5 1/4	5 1/4	149,709	5 1/4	139,442	5 1/4	129,175	5 1/4	118,908	5 1/4	108,641	5 1/4	98,374	5 1/4	88,107	5 1/4	77,840	5 1/4	67,572	
5 1/2	5 1/2	149,495	5 1/2	139,228	5 1/2	128,961	5 1/2	118,694	5 1/2	108,427	5 1/2	98,180	5 1/2	87,893	5 1/2	77,628	5 1/2	67,359	
5 3/4	5 3/4	149,281	5 3/4	139,014	5 3/4	128,747	5 3/4	118,480	5 3/4	108,213	5 3/4	97,946	5 3/4	87,679	5 3/4	77,412	5 3/4	67,145	
6	6	149,067	6	138,800	6	128,533	6	118,266	6	107,999	6	97,732	6	87,465	6	77,198	6	66,931	
6 1/4	6 1/4	148,853	6 1/4	138,586	6 1/4	128,319	6 1/4	118,052	6 1/4	107,785	6 1/4	97,518	6 1/4	87,251	6 1/4	76,984	6 1/4	66,717	
6 1/2	6 1/2	148,640	6 1/2	138,372	6 1/2	128,105	6 1/2	117,838	6 1/2	107,571	6 1/2	97,304	6 1/2	87,037	6 1/2	76,770	6 1/2	66,503	
6 3/4	6 3/4	148,428	6 3/4	138,159	6 3/4	127,891	6 3/4	117,624	6 3/4	107,357	6 3/4	97,090	6 3/4	86,823	6 3/4	76,556	6 3/4	66,289	
7	7	148,212	7	137,945	7	127,678	7	117,411	7	107,143	7	96,876	7	86,609	7	76,342	7	66,075	
7 1/4	7 1/4	147,998	7 1/4	137,731	7 1/4	127,464	7 1/4	117,197	7 1/4	106,930	7 1/4	96,682	7 1/4	86,395	7 1/4	76,128	7 1/4	65,861	
7 1/2	7 1/2	147,784	7 1/2	137,517	7 1/2	127,250	7 1/2	116,983	7 1/2	106,716	7 1/2	96,449	7 1/2	86,182	7 1/2	75,914	7 1/2	65,647	
7 3/4	7 3/4	147,570	7 3/4	137,303	7 3/4	127,036	7 3/4	116,789	7 3/4	106,502	7 3/4	96,235	7 3/4	85,968	7 3/4	75,701	7 3/4	65,433	
8	8	147,356	8	137,089	8	126,822	8	116,558	8	106,288	8	96,021	8	85,754	8	75,487	8	65,220	
8 1/4	8 1/4	147,142	8 1/4	136,875	8 1/4	126,608	8 1/4	116,341	8 1/4	106,074	8 1/4	95,807	8 1/4	85,540	8 1/4	75,273	8 1/4	65,008	
8 1/2	8 1/2	146,928	8 1/2	136,661	8 1/2	126,394	8 1/2	116,127	8 1/2	105,860	8 1/2	95,593	8 1/2	85,326	8 1/2	75,059	8 1/2	64,792	
8 3/4	8 3/4	146,714	8 3/4	136,447	8 3/4	126,180	8 3/4	115,913	8 3/4	105,646	8 3/4	95,379	8 3/4	85,112	8 3/4	74,845	8 3/4	64,578	
9	9	146,501	9	136,233	9	125,968	9	115,699	9	105,432	9	95,165	9	84,900	9	74,631	9	64,364	
9 1/4	9 1/4	146,287	9 1/4	136,020	9 1/4	125,753	9 1/4	115,485	9 1/4	105,218	9 1/4	94,951	9 1/4	84,684	9 1/4	74,417	9 1/4	64,150	
9 1/2	9 1/2	146,073	9 1/2	135,806	9 1/2	125,539	9 1/2	115,272	9 1/2	105,004	9 1/2	94,737	9 1/2	84,470	9 1/2	74,203	9 1/2	63,936	
9 3/4	9 3/4	145,859	9 3/4	135,592	9 3/4	125,325	9 3/4	115,058	9 3/4	104,791	9 3/4	94,524	9 3/4	84,256	9 3/4	73,989	9 3/4	63,722	
10	10	145,645	10	135,378	10	125,111	10	114,844	10	104,577	10	94,310	10	84,043	10	73,775	10	63,508	
10 1/4	10 1/4	145,431	10 1/4	135,164	10 1/4	124,897	10 1/4	114,630	10 1/4	104,363	10 1/4	94,096	10 1/4	83,829	10 1/4	73,562	10 1/4	63,295	
10 1/2	10 1/2	145,217	10 1/2	134,950	10 1/2	124,683	10 1/2	114,416	10 1/2	104,149	10 1/2	93,882	10 1/2	83,615	10 1/2	73,348	10 1/2	63,081	
10 3/4	10 3/4	145,003	10 3/4	134,738	10 3/4	124,469	10 3/4	114,202	10 3/4	103,935	10 3/4	93,668	10 3/4	83,401	10 3/4	73,134	10 3/4	62,867	
11	11	144,789	11	134,522	11	124,255	11	113,988	11	103,721	11	93,454	11	83,187	11	72,920	11	62,653	
11 1/4	11 1/4	144,575	11 1/4	134,308	11 1/4	124,041	11 1/4	113,774	11 1/4	103,507	11 1/4	93,240	11 1/4	82,973	11 1/4	72,706	11 1/4	62,439	
11 1/2	11 1/2	144,362	11 1/2	134,095	11 1/2	123,827	11 1/2	113,580	11 1/2	103,293	11 1/2	93,028	11 1/2	82,759	11 1/2	72,492	11 1/2	62,225	
11 3/4	11 3/4	144,148	11 3/4	133,881	11 3/4	123,614	11 3/4	113,348	11 3/4	103,079	11 3/4	92,812	11 3/4	82,546	11 3/4	72,278	11 3/4	62,011	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE.
GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 23'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2082
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "IB 1316"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-01 1/2"

	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.
0	61,797	51,530	41,263	31,052	20,982	10,715	624			
1/4	61,583	51,316	41,049	30,845	20,768	10,501	477			
1/2	61,369	51,102	40,835	30,637	20,554	10,288	331			
3/4	61,156	50,888	40,621	30,429	20,340	10,074	266			
1	60,942	50,675	40,408	30,222	20,126	9,860	202			
1 1/4	60,728	50,461	40,194	30,014	19,913	9,646	138			
1 1/2	60,514	50,247	39,980	29,807	19,699	9,432	74			
1 3/4	60,300	50,033	39,766	29,599	19,485	9,218				
2	60,086	49,819	39,552	29,391	19,271	9,004				
1 1/4	59,872	49,605	39,338	29,184	19,057	8,790				
1 1/2	59,658	49,391	39,124	28,978	18,843	8,576				
1 3/4	59,444	49,177	38,910	28,768	18,629	8,363				
3	59,230	48,963	38,696	28,561	18,415	8,149				
1 1/4	59,017	48,749	38,482	28,353	18,201	7,936				
1 1/2	58,803	48,535	38,269	28,148	17,988	7,721				
1 3/4	58,589	48,322	38,055	27,938	17,774	7,507				
4	58,375	48,108	37,841	27,730	17,560	7,293				
1 1/4	58,161	47,894	37,627	27,523	17,346	7,079				
1 1/2	57,947	47,680	37,413	27,316	17,132	6,866				
1 3/4	57,733	47,466	37,199	27,108	16,918	6,651				
5	57,519	47,252	36,985	26,900	16,704	6,438				
1 1/4	57,305	47,038	36,771	26,692	16,490	6,224				
1 1/2	57,091	46,824	36,557	26,485	16,276	6,010				
1 3/4	56,878	46,611	36,343	26,277	16,063	5,796				
6	56,664	46,397	36,130	26,070	15,849	5,582				
1 1/4	56,450	46,183	35,916	25,862	15,635	5,368				
1 1/2	56,236	45,969	35,702	25,655	15,421	5,154				
1 3/4	56,022	45,755	35,488	25,448	15,207	4,940				
7	55,808	45,541	35,274	25,240	14,993	4,726				
1 1/4	55,594	45,327	35,060	25,033	14,779	4,513				
1 1/2	55,380	45,113	34,846	24,825	14,565	4,299				
1 3/4	55,166	44,899	34,632	24,613	14,351	4,085				
8	54,953	44,685	34,418	24,401	14,138	3,871				
1 1/4	54,739	44,472	34,204	24,188	13,924	3,657				
1 1/2	54,525	44,258	33,991	23,978	13,710	3,443				
1 3/4	54,311	44,044	33,777	23,763	13,496	3,229				
9	54,097	43,830	33,563	23,549	13,282	3,018				
1 1/4	53,883	43,616	33,349	23,335	13,068	2,802				
1 1/2	53,669	43,402	33,135	23,121	12,854	2,588				
1 3/4	53,455	43,188	32,922	22,907	12,640	2,375				
10	53,241	42,974	32,717	22,693	12,426	2,162				
1 1/4	53,027	42,760	32,507	22,479	12,213	1,949				
1 1/2	52,814	42,546	32,298	22,265	11,999	1,736				
1 3/4	52,600	42,333	32,080	22,051	11,785	1,521				
11	52,386	42,119	31,863	21,838	11,571	1,327				
1 1/4	52,172	41,905	31,675	21,624	11,357	1,122				
1 1/2	51,958	41,691	31,468	21,410	11,143	918				
1 3/4	51,744	41,477	31,260	21,196	10,929	714				

STRAPPED: 03/23/2020 CL
CALCULATED: 03/24/2020 CL
PRINTED: 03/24/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2020

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77688
<http://www.pmacorp.net>



BARGE "IB 1316"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 18'-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	165,048	0	145,801	0	135,447	0	125,093	0	114,739	0	104,385	0	94,031	0	83,677	0	73,323	
1/4	1/4	154,990	1/4	145,585	1/4	135,231	1/4	124,877	1/4	114,523	1/4	104,169	1/4	93,815	1/4	83,461	1/4	73,108	
1/2	1/2	154,931	1/2	145,569	1/2	135,015	1/2	124,662	1/2	114,308	1/2	103,954	1/2	93,600	1/2	83,246	1/2	72,892	
3/4	3/4	154,873	3/4	145,154	3/4	134,800	3/4	124,446	3/4	114,092	3/4	103,738	3/4	93,384	3/4	83,030	3/4	72,538	
1	1	154,814	1	144,938	1	134,584	1	124,230	1	113,876	1	103,522	1	93,168	1	82,814	1	72,480	
1 1/4	1 1/4	154,889	1 1/4	144,722	1 1/4	134,388	1 1/4	124,014	1 1/4	113,660	1 1/4	103,307	1 1/4	92,953	1 1/4	82,599	1 1/4	72,245	
1 1/2	1 1/2	154,563	1 1/2	144,607	1 1/2	134,163	1 1/2	123,799	1 1/2	113,445	1 1/2	103,091	1 1/2	92,737	1 1/2	82,383	1 1/2	72,029	
1 3/4	1 3/4	154,437	1 3/4	144,281	1 3/4	133,937	1 3/4	123,583	1 3/4	113,229	1 3/4	102,875	1 3/4	92,521	1 3/4	82,167	1 3/4	71,813	
2	2	154,311	2	144,075	2	133,721	2	123,387	2	113,013	2	102,669	2	92,305	2	81,952	2	71,589	
2 1/4	2 1/4	154,121	2 1/4	143,859	2 1/4	133,506	2 1/4	123,162	2 1/4	112,798	2 1/4	102,444	2 1/4	92,090	2 1/4	81,738	2 1/4	71,382	
2 1/2	2 1/2	153,931	2 1/2	143,644	2 1/2	133,290	2 1/2	122,936	2 1/2	112,582	2 1/2	102,228	2 1/2	91,874	2 1/2	81,520	2 1/2	71,166	
2 3/4	2 3/4	153,741	2 3/4	143,428	2 3/4	133,074	2 3/4	122,720	2 3/4	112,368	2 3/4	102,012	2 3/4	91,650	2 3/4	81,304	2 3/4	70,930	
3	3	153,551	3	143,212	3	132,858	3	122,504	3	112,161	3	101,797	3	91,443	3	81,088	3	70,735	
3 1/4	3 1/4	153,339	3 1/4	142,997	3 1/4	132,643	3 1/4	122,289	3 1/4	111,935	3 1/4	101,581	3 1/4	91,227	3 1/4	80,873	3 1/4	70,519	
3 1/2	3 1/2	153,126	3 1/2	142,781	3 1/2	132,427	3 1/2	122,073	3 1/2	111,719	3 1/2	101,385	3 1/2	91,011	3 1/2	80,657	3 1/2	70,303	
3 3/4	3 3/4	152,914	3 3/4	142,565	3 3/4	132,211	3 3/4	121,857	3 3/4	111,503	3 3/4	101,149	3 3/4	90,798	3 3/4	80,442	3 3/4	70,088	
4	4	152,701	4	142,350	4	131,996	4	121,642	4	111,288	4	100,934	4	90,580	4	80,226	4	69,872	
4 1/4	4 1/4	152,486	4 1/4	142,134	4 1/4	131,780	4 1/4	121,426	4 1/4	111,072	4 1/4	100,718	4 1/4	90,364	4 1/4	80,010	4 1/4	69,656	
4 1/2	4 1/2	152,271	4 1/2	141,918	4 1/2	131,564	4 1/2	121,210	4 1/2	110,856	4 1/2	100,502	4 1/2	90,148	4 1/2	79,794	4 1/2	69,441	
4 3/4	4 3/4	152,058	4 3/4	141,702	4 3/4	131,348	4 3/4	120,994	4 3/4	110,641	4 3/4	100,287	4 3/4	89,933	4 3/4	79,579	4 3/4	69,226	
5	5	151,840	5	141,487	5	131,133	5	120,778	5	110,426	5	100,071	5	89,717	5	79,363	5	69,009	
5 1/4	5 1/4	151,625	5 1/4	141,271	5 1/4	130,917	5 1/4	120,583	5 1/4	110,209	5 1/4	99,855	5 1/4	89,501	5 1/4	79,147	5 1/4	68,793	
5 1/2	5 1/2	151,409	5 1/2	141,055	5 1/2	130,701	5 1/2	120,347	5 1/2	109,993	5 1/2	99,639	5 1/2	89,288	5 1/2	78,932	5 1/2	68,578	
5 3/4	5 3/4	151,193	5 3/4	140,840	5 3/4	130,486	5 3/4	120,132	5 3/4	109,778	5 3/4	99,424	5 3/4	89,070	5 3/4	78,716	5 3/4	68,382	
6	6	150,978	6	140,624	6	130,270	6	119,918	6	109,562	6	99,208	6	88,854	6	78,500	6	68,148	
6 1/4	6 1/4	150,762	6 1/4	140,408	6 1/4	130,054	6 1/4	119,700	6 1/4	109,346	6 1/4	98,992	6 1/4	88,638	6 1/4	78,284	6 1/4	67,931	
6 1/2	6 1/2	150,546	6 1/2	140,192	6 1/2	129,838	6 1/2	119,485	6 1/2	109,131	6 1/2	98,777	6 1/2	88,423	6 1/2	78,069	6 1/2	67,715	
6 3/4	6 3/4	150,331	6 3/4	139,977	6 3/4	129,623	6 3/4	119,268	6 3/4	108,916	6 3/4	98,561	6 3/4	88,207	6 3/4	77,853	6 3/4	67,499	
7	7	150,115	7	139,761	7	129,407	7	119,053	7	108,699	7	98,345	7	87,991	7	77,637	7	67,283	
7 1/4	7 1/4	149,899	7 1/4	139,545	7 1/4	129,191	7 1/4	118,837	7 1/4	108,483	7 1/4	98,130	7 1/4	87,776	7 1/4	77,422	7 1/4	67,088	
7 1/2	7 1/2	149,684	7 1/2	139,330	7 1/2	128,976	7 1/2	118,622	7 1/2	108,268	7 1/2	97,914	7 1/2	87,580	7 1/2	77,208	7 1/2	66,852	
7 3/4	7 3/4	149,468	7 3/4	139,114	7 3/4	128,760	7 3/4	118,406	7 3/4	108,052	7 3/4	97,698	7 3/4	87,344	7 3/4	76,990	7 3/4	66,638	
8	8	149,252	8	138,898	8	128,544	8	118,190	8	107,838	8	97,482	8	87,128	8	76,775	8	66,421	
8 1/4	8 1/4	149,036	8 1/4	138,682	8 1/4	128,329	8 1/4	117,975	8 1/4	107,621	8 1/4	97,267	8 1/4	86,913	8 1/4	76,559	8 1/4	66,205	
8 1/2	8 1/2	148,821	8 1/2	138,467	8 1/2	128,113	8 1/2	117,759	8 1/2	107,405	8 1/2	97,051	8 1/2	86,697	8 1/2	76,343	8 1/2	65,989	
8 3/4	8 3/4	148,605	8 3/4	138,251	8 3/4	127,897	8 3/4	117,543	8 3/4	107,189	8 3/4	96,835	8 3/4	86,481	8 3/4	76,127	8 3/4	65,773	
9	9	148,389	9	138,035	9	127,681	9	117,327	9	106,974	9	96,620	9	86,266	9	75,912	9	65,558	
9 1/4	9 1/4	148,174	9 1/4	137,820	9 1/4	127,466	9 1/4	117,112	9 1/4	106,758	9 1/4	96,404	9 1/4	86,050	9 1/4	75,698	9 1/4	65,342	
9 1/2	9 1/2	147,958	9 1/2	137,604	9 1/2	127,250	9 1/2	116,896	9 1/2	106,542	9 1/2	96,188	9 1/2	85,834	9 1/2	75,480	9 1/2	65,128	
9 3/4	9 3/4	147,742	9 3/4	137,388	9 3/4	127,034	9 3/4	116,680	9 3/4	106,326	9 3/4	95,972	9 3/4	85,619	9 3/4	75,265	9 3/4	64,911	
10	10	147,526	10	137,173	10	126,819	10	116,465	10	106,111	10	95,757	10	85,403	10	75,049	10	64,695	
10 1/4	10 1/4	147,311	10 1/4	136,957	10 1/4	126,603	10 1/4	116,249	10 1/4	105,895	10 1/4	95,541	10 1/4	85,187	10 1/4	74,833	10 1/4	64,479	
10 1/2	10 1/2	147,095	10 1/2	136,741	10 1/2	126,387	10 1/2	116,033	10 1/2	105,679	10 1/2	95,325	10 1/2	84,971	10 1/2	74,617	10 1/2	64,264	
10 3/4	10 3/4	146,879	10 3/4	136,525	10 3/4	126,171	10 3/4	115,816	10 3/4	105,464	10 3/4	95,110	10 3/4	84,756	10 3/4	74,402	10 3/4	64,048	
11	11	146,664	11	136,310	11	125,958	11	115,602	11	105,248	11	94,894	11	84,540	11	74,186	11	63,832	
11 1/4	11 1/4	146,448	11 1/4	136,094	11 1/4	125,740	11 1/4	115,386	11 1/4	105,032	11 1/4	94,678	11 1/4	84,324	11 1/4	73,970	11 1/4	63,616	
11 1/2	11 1/2	146,232	11 1/2	135,878	11 1/2	125,524	11 1/2	115,170	11 1/2	104,816	11 1/2	94,463	11 1/2	84,109	11 1/2	73,756	11 1/2	63,401	
11 3/4	11 3/4	155,066	11 3/4	146,017	11 3/4	135,663	11 3/4	125,309	11 3/4	114,955	11 3/4	104,601	11 3/4	94,247	11 3/4	83,993	11 3/4	73,539	

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 24'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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BARGE "IB 1316"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-02"

	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.
0	82,969	52,815	42,281	31,912	21,590	11,237	0	0	0	0
1/4	82,764	52,400	42,046	31,698	21,375	11,021	777			
1/2	82,538	52,184	41,830	31,483	21,159	10,805	629			
3/4	82,322	51,968	41,614	31,268	20,943	10,590	481			
1	82,106	51,753	41,399	31,053	20,728	10,374	333			
1 1/4	81,891	51,537	41,183	30,838	20,512	10,158	288			
1 1/2	81,675	51,321	40,967	30,624	20,296	9,943	203			
1 3/4	81,459	51,105	40,751	30,409	20,080	9,727	139			
2	81,244	50,890	40,536	30,194	19,865	9,511	74			
1 1/4	81,028	50,674	40,320	29,979	19,649	9,296				
1 1/2	80,812	50,458	40,104	29,765	19,433	9,080				
1 3/4	80,597	50,243	39,888	29,550	19,218	8,864				
3	80,381	50,027	39,673	29,335	19,002	8,648				
1 1/4	80,166	49,811	39,457	29,121	18,786	8,433				
1 1/2	79,949	49,595	39,242	28,905	18,571	8,217				
1 3/4	79,734	49,380	39,026	28,689	18,355	8,001				
4	79,518	49,164	38,810	28,476	18,139	7,786				
1 1/4	79,302	48,948	38,594	28,262	17,923	7,570				
1 1/2	79,087	48,733	38,379	28,047	17,708	7,354				
1 3/4	78,871	48,517	38,163	27,832	17,492	7,139				
6	78,655	48,301	37,947	27,617	17,276	6,923				
1 1/4	78,439	48,085	37,732	27,403	17,061	6,707				
1 1/2	78,224	47,870	37,516	27,188	16,845	6,492				
1 3/4	78,008	47,654	37,300	26,973	16,629	6,276				
8	77,792	47,438	37,084	26,758	16,414	6,060				
1 1/4	77,577	47,223	36,869	26,544	16,198	5,844				
1 1/2	77,361	47,007	36,653	26,329	15,982	5,629				
1 3/4	77,145	46,791	36,437	26,114	15,767	5,413				
7	76,929	46,576	36,222	25,900	15,551	5,197				
1 1/4	76,714	46,360	36,006	25,685	15,335	4,982				
1 1/2	76,498	46,144	35,790	25,470	15,119	4,766				
1 3/4	76,282	45,928	35,574	25,255	14,904	4,550				
8	76,067	45,713	35,359	25,041	14,688	4,335				
1 1/4	75,851	45,497	35,143	24,825	14,472	4,119				
1 1/2	75,635	45,281	34,927	24,610	14,257	3,903				
1 3/4	75,420	45,066	34,712	24,394	14,041	3,687				
9	75,204	44,850	34,496	24,179	13,825	3,472				
1 1/4	74,988	44,634	34,280	23,963	13,610	3,256				
1 1/2	74,772	44,418	34,065	23,747	13,394	3,041				
1 3/4	74,557	44,203	33,849	23,532	13,178	2,825				
10	74,341	43,987	33,633	23,316	12,962	2,610				
1 1/4	74,125	43,771	33,418	23,100	12,747	2,395				
1 1/2	73,910	43,555	33,203	22,885	12,531	2,180				
1 3/4	73,694	43,340	32,988	22,669	12,315	1,965				
11	73,478	43,124	32,772	22,453	12,100	1,750				
1 1/4	73,262	42,909	32,557	22,237	11,884	1,544				
1 1/2	73,047	42,693	32,342	22,022	11,668	1,338				
1 3/4	72,831	42,477	32,127	21,806	11,453	1,131				

STRAPPED: 03/23/2020 CL
CALCULATED: 03/24/2020 CL
PRINTED: 03/24/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2020

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