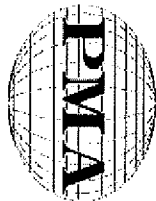


G Wilson



BARGE "IB 1302" 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	- 00-1/2	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"

August 11, 2019

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

<http://www.pmacorp.net>



BARGE "IB 1302"

1 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	0	170,597	0	160,987	0	150,790	0	140,594	0	130,398	0	119,527	0	107,612	0	95,692	0	83,771				
1/4	1/4	1/4	170,529	1/4	160,774	1/4	150,578	1/4	140,382	1/4	130,185	1/4	119,279	1/4	107,364	1/4	95,443	1/4	83,523				
1/2	1/2	1/2	170,462	1/2	160,549	1/2	150,356	1/2	140,160	1/2	129,973	1/2	119,031	1/2	107,115	1/2	95,195	1/2	83,274				
3/4	3/4	3/4	170,317	3/4	160,342	3/4	150,153	3/4	140,000	3/4	129,761	3/4	118,783	3/4	106,867	3/4	94,947	3/4	83,026				
1	1	1	170,172	1	160,137	1	149,941	1	139,744	1	129,548	1	118,535	1	106,519	1	94,658	1	82,778				
1 1/4	1 1/4	1 1/4	170,027	1 1/4	159,925	1 1/4	149,728	1 1/4	139,532	1 1/4	129,336	1 1/4	118,289	1 1/4	106,370	1 1/4	94,450	1 1/4	82,529				
1 1/2	1 1/2	1 1/2	169,881	1 1/2	159,712	1 1/2	149,516	1 1/2	139,320	1 1/2	129,123	1 1/2	118,039	1 1/2	106,122	1 1/2	94,202	1 1/2	82,281				
1 3/4	1 3/4	1 3/4	169,676	1 3/4	159,500	1 3/4	149,303	1 3/4	139,107	1 3/4	128,911	1 3/4	117,791	1 3/4	105,874	1 3/4	93,953	1 3/4	82,033				
2	2	2	169,470	2	159,287	2	149,091	2	138,895	2	128,698	2	117,543	2	105,625	2	93,705	2	81,786				
2 1/4	2 1/4	2 1/4	169,265	2 1/4	159,075	2 1/4	148,879	2 1/4	138,682	2 1/4	128,486	2 1/4	117,296	2 1/4	105,377	2 1/4	93,456	2 1/4	81,538				
2 1/2	2 1/2	2 1/2	169,059	2 1/2	158,862	2 1/2	148,666	2 1/2	138,470	2 1/2	128,274	2 1/2	117,048	2 1/2	105,129	2 1/2	93,208	2 1/2	81,291				
2 3/4	2 3/4	2 3/4	168,846	2 3/4	158,650	2 3/4	148,454	2 3/4	138,258	2 3/4	128,061	2 3/4	116,800	2 3/4	104,880	2 3/4	92,960	2 3/4	81,043				
3	3	3	168,633	3	158,438	3	148,241	3	138,045	3	127,849	3	116,552	3	104,632	3	92,711	3	80,796				
3 1/4	3 1/4	3 1/4	168,420	3 1/4	158,225	3 1/4	148,029	3 1/4	137,833	3 1/4	127,636	3 1/4	116,304	3 1/4	104,384	3 1/4	92,463	3 1/4	80,549				
3 1/2	3 1/2	3 1/2	168,207	3 1/2	158,013	3 1/2	147,817	3 1/2	137,620	3 1/2	127,424	3 1/2	116,056	3 1/2	104,135	3 1/2	92,215	3 1/2	80,302				
3 3/4	3 3/4	3 3/4	167,995	3 3/4	157,800	3 3/4	147,604	3 3/4	137,408	3 3/4	127,212	3 3/4	115,807	3 3/4	103,887	3 3/4	91,966	3 3/4	80,054				
4	4	4	167,783	4	157,588	4	147,392	4	137,195	4	126,999	4	115,559	4	103,639	4	91,718	4	79,807				
4 1/4	4 1/4	4 1/4	167,571	4 1/4	157,376	4 1/4	147,179	4 1/4	136,983	4 1/4	126,787	4 1/4	115,311	4 1/4	103,390	4 1/4	91,470	4 1/4	79,560				
4 1/2	4 1/2	4 1/2	167,359	4 1/2	157,163	4 1/2	146,967	4 1/2	136,771	4 1/2	126,574	4 1/2	115,063	4 1/2	103,142	4 1/2	91,221	4 1/2	79,313				
4 3/4	4 3/4	4 3/4	167,147	4 3/4	156,951	4 3/4	146,754	4 3/4	136,558	4 3/4	126,362	4 3/4	114,814	4 3/4	102,894	4 3/4	90,973	4 3/4	79,065				
5	5	5	166,934	5	156,738	5	146,542	5	136,346	5	126,149	5	114,566	5	102,645	5	90,725	5	78,818				
5 1/4	5 1/4	5 1/4	166,722	5 1/4	156,526	5 1/4	146,330	5 1/4	136,133	5 1/4	125,937	5 1/4	114,317	5 1/4	102,397	5 1/4	90,476	5 1/4	78,571				
5 1/2	5 1/2	5 1/2	166,510	5 1/2	156,313	5 1/2	146,117	5 1/2	135,921	5 1/2	125,725	5 1/2	114,069	5 1/2	102,149	5 1/2	90,228	5 1/2	78,323				
5 3/4	5 3/4	5 3/4	166,297	5 3/4	156,101	5 3/4	145,905	5 3/4	135,708	5 3/4	125,512	5 3/4	113,821	5 3/4	101,900	5 3/4	89,980	5 3/4	78,076				
6	6	6	166,085	6	155,889	6	145,692	6	135,496	6	125,300	6	113,572	6	101,652	6	89,731	6	77,829				
6 1/4	6 1/4	6 1/4	165,872	6 1/4	155,676	6 1/4	145,480	6 1/4	135,284	6 1/4	125,087	6 1/4	113,324	6 1/4	101,404	6 1/4	89,483	6 1/4	77,581				
6 1/2	6 1/2	6 1/2	165,660	6 1/2	155,464	6 1/2	145,267	6 1/2	135,071	6 1/2	124,875	6 1/2	113,076	6 1/2	101,155	6 1/2	89,235	6 1/2	77,334				
6 3/4	6 3/4	6 3/4	165,448	6 3/4	155,251	6 3/4	145,055	6 3/4	134,859	6 3/4	124,649	6 3/4	112,827	6 3/4	100,907	6 3/4	88,986	6 3/4	77,087				
7	7	7	165,235	7	155,039	7	144,843	7	134,646	7	124,424	7	112,579	7	100,658	7	88,738	7	76,839				
7 1/4	7 1/4	7 1/4	165,023	7 1/4	154,826	7 1/4	144,630	7 1/4	134,434	7 1/4	124,199	7 1/4	112,331	7 1/4	100,410	7 1/4	88,490	7 1/4	76,592				
7 1/2	7 1/2	7 1/2	164,810	7 1/2	154,614	7 1/2	144,417	7 1/2	134,221	7 1/2	123,973	7 1/2	112,082	7 1/2	100,162	7 1/2	88,241	7 1/2	76,345				
7 3/4	7 3/4	7 3/4	164,598	7 3/4	154,402	7 3/4	144,205	7 3/4	134,009	7 3/4	123,730	7 3/4	111,834	7 3/4	99,913	7 3/4	87,993	7 3/4	76,098				
8	8	8	164,385	8	154,189	8	143,993	8	133,797	8	123,486	8	111,586	8	99,665	8	87,745	8	75,850				
8 1/4	8 1/4	8 1/4	164,173	8 1/4	153,977	8 1/4	143,780	8 1/4	133,584	8 1/4	123,243	8 1/4	111,337	8 1/4	99,417	8 1/4	87,496	8 1/4	75,603				
8 1/2	8 1/2	8 1/2	163,961	8 1/2	153,764	8 1/2	143,568	8 1/2	133,372	8 1/2	122,999	8 1/2	111,089	8 1/2	99,168	8 1/2	87,248	8 1/2	75,356				
8 3/4	8 3/4	8 3/4	163,748	8 3/4	153,552	8 3/4	143,356	8 3/4	133,159	8 3/4	122,751	8 3/4	110,841	8 3/4	98,920	8 3/4	86,999	8 3/4	75,108				
9	9	9	163,536	9	153,339	9	143,143	9	132,947	9	122,503	9	110,592	9	98,672	9	86,751	9	74,861				
9 1/4	9 1/4	9 1/4	163,323	9 1/4	153,127	9 1/4	142,931	9 1/4	132,735	9 1/4	122,255	9 1/4	110,344	9 1/4	98,423	9 1/4	86,503	9 1/4	74,614				
9 1/2	9 1/2	9 1/2	163,111	9 1/2	152,915	9 1/2	142,718	9 1/2	132,522	9 1/2	122,007	9 1/2	110,096	9 1/2	98,175	9 1/2	86,256	9 1/2	74,367				
9 3/4	9 3/4	9 3/4	162,899	9 3/4	152,702	9 3/4	142,506	9 3/4	132,310	9 3/4	121,759	9 3/4	109,847	9 3/4	97,927	9 3/4	86,006	9 3/4	74,119				
10	10	10	162,686	10	152,490	10	142,294	10	132,097	10	121,511	10	109,599	10	97,678	10	85,758	10	73,872				
10 1/4	10 1/4	10 1/4	162,474	10 1/4	152,277	10 1/4	142,081	10 1/4	131,885	10 1/4	121,263	10 1/4	109,351	10 1/4	97,430	10 1/4	85,509	10 1/4	73,625				
10 1/2	10 1/2	10 1/2	162,261	10 1/2	152,065	10 1/2	141,869	10 1/2	131,672	10 1/2	121,015	10 1/2	109,102	10 1/2	97,182	10 1/2	85,261	10 1/2	73,377				
10 3/4	10 3/4	10 3/4	162,049	10 3/4	151,853	10 3/4	141,656	10 3/4	131,460	10 3/4	120,767	10 3/4	108,854	10 3/4	96,933	10 3/4	85,013	10 3/4	73,130				
11	11	11	161,836	11	151,640	11	141,444	11	131,248	11	120,519	11	108,606	11	96,685	11	84,764	11	72,883				
11 1/4	11 1/4	11 1/4	161,624	11 1/4	151,428	11 1/4	141,231	11 1/4	131,035	11 1/4	120,271	11 1/4	108,357	11 1/4	96,437	11 1/4	84,516	11 1/4	72,636				
11 1/2	11 1/2	11 1/2	161,412	11 1/2	151,215	11 1/2	141,019	11 1/2	130,823	11 1/2	120,023	11 1/2	108,109	11 1/2	96,188	11 1/2	84,268	11 1/2	72,388				
11 3/4	11 3/4	11 3/4	161,199	11 3/4	151,003	11 3/4	140,807	11 3/4	130,610	11 3/4	119,775	11 3/4	107,860	11 3/4	95,940	11 3/4	84,019	11 3/4	72,140				

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMMS 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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http://www.pmaacorp.net



BARGE "IB 1302"

1 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	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	71,892	0	59,977	0	48,061	0	36,221	0	24,549	0	12,614	0	871	0	0	0	0	0	0
1/4	71,644	1/4	59,729	1/4	47,813	1/4	35,982	1/4	24,300	1/4	12,365	1/4	700	1/4	1/2	1/2	1/2	1/2	1/2
1/2	71,396	1/2	59,480	1/2	47,565	1/2	35,742	1/2	24,052	1/2	12,116	1/2	529	1/2	1/2	1/2	1/2	1/2	1/2
3/4	71,148	3/4	59,232	3/4	47,316	3/4	35,502	3/4	23,803	3/4	11,867	3/4	455	3/4	3/4	3/4	3/4	3/4	3/4
1	70,900	1	58,984	1	47,068	1	35,262	1	23,555	1	11,618	1	380	1	1	1	1	1	1
1 1/4	70,651	1 1/4	58,736	1 1/4	46,820	1 1/4	35,023	1 1/4	23,307	1 1/4	11,369	1 1/4	305	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	70,403	1 1/2	58,487	1 1/2	46,572	1 1/2	34,783	1 1/2	23,058	1 1/2	11,120	1 1/2	231	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
1 3/4	69,155	1 3/4	58,239	1 3/4	46,323	1 3/4	34,543	1 3/4	22,810	1 3/4	10,871	1 3/4	155	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4
2	69,907	2	57,991	2	46,075	2	34,303	2	22,561	2	10,622	2	100	2	2	2	2	2	2
1/4	69,659	1/4	57,743	1/4	45,827	1/4	34,063	1/4	22,313	1/4	10,374	1/4	100	1/4	1/4	1/4	1/4	1/4	1/4
1/2	69,410	1/2	57,494	1/2	45,579	1/2	33,824	1/2	22,065	1/2	10,125	1/2	100	1/2	1/2	1/2	1/2	1/2	1/2
3/4	69,162	3/4	57,246	3/4	45,330	3/4	33,584	3/4	21,816	3/4	9,876	3/4	100	3/4	3/4	3/4	3/4	3/4	3/4
1	68,914	1	56,998	1	45,082	1	33,344	1	21,568	1	9,627	1	100	1	1	1	1	1	1
1 1/4	68,666	1 1/4	56,750	1 1/4	44,834	1 1/4	33,104	1 1/4	21,319	1 1/4	9,378	1 1/4	100	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	68,417	1 1/2	56,501	1 1/2	44,586	1 1/2	32,865	1 1/2	21,071	1 1/2	9,129	1 1/2	100	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
1 3/4	68,169	1 3/4	56,253	1 3/4	44,337	1 3/4	32,625	1 3/4	20,823	1 3/4	8,880	1 3/4	100	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4
2	67,921	2	56,005	2	44,089	2	32,385	2	20,574	2	8,631	2	100	2	2	2	2	2	2
1/4	67,673	1/4	55,757	1/4	43,841	1/4	32,145	1/4	20,326	1/4	8,382	1/4	100	1/4	1/4	1/4	1/4	1/4	1/4
1/2	67,424	1/2	55,508	1/2	43,593	1/2	31,906	1/2	20,077	1/2	8,134	1/2	100	1/2	1/2	1/2	1/2	1/2	1/2
3/4	67,176	3/4	55,260	3/4	43,344	3/4	31,666	3/4	19,829	3/4	7,885	3/4	100	3/4	3/4	3/4	3/4	3/4	3/4
1	66,928	1	55,012	1	43,096	1	31,426	1	19,581	1	7,636	1	100	1	1	1	1	1	1
1 1/4	66,680	1 1/4	54,764	1 1/4	42,848	1 1/4	31,186	1 1/4	19,332	1 1/4	7,387	1 1/4	100	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	66,431	1 1/2	54,515	1 1/2	42,600	1 1/2	30,946	1 1/2	19,084	1 1/2	7,138	1 1/2	100	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
1 3/4	66,183	1 3/4	54,267	1 3/4	42,351	1 3/4	30,705	1 3/4	18,835	1 3/4	6,889	1 3/4	100	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4
2	65,935	2	54,019	2	42,103	2	30,464	2	18,586	2	6,640	2	100	2	2	2	2	2	2
1/4	65,687	1/4	53,771	1/4	41,855	1/4	30,222	1/4	18,337	1/4	6,391	1/4	100	1/4	1/4	1/4	1/4	1/4	1/4
1/2	65,438	1/2	53,522	1/2	41,607	1/2	29,981	1/2	18,089	1/2	6,142	1/2	100	1/2	1/2	1/2	1/2	1/2	1/2
3/4	65,190	3/4	53,274	3/4	41,358	3/4	29,739	3/4	17,840	3/4	5,893	3/4	100	3/4	3/4	3/4	3/4	3/4	3/4
1	64,942	1	53,026	1	41,110	1	29,497	1	17,591	1	5,645	1	100	1	1	1	1	1	1
1 1/4	64,694	1 1/4	52,778	1 1/4	40,862	1 1/4	29,255	1 1/4	17,342	1 1/4	5,396	1 1/4	100	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	64,445	1 1/2	52,529	1 1/2	40,614	1 1/2	29,013	1 1/2	17,093	1 1/2	5,147	1 1/2	100	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
1 3/4	64,197	1 3/4	52,281	1 3/4	40,365	1 3/4	28,766	1 3/4	16,844	1 3/4	4,898	1 3/4	100	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4
2	63,949	2	52,033	2	40,117	2	28,520	2	16,595	2	4,649	2	100	2	2	2	2	2	2
1/4	63,701	1/4	51,785	1/4	39,869	1/4	28,273	1/4	16,346	1/4	4,400	1/4	100	1/4	1/4	1/4	1/4	1/4	1/4
1/2	63,452	1/2	51,537	1/2	39,621	1/2	28,026	1/2	16,098	1/2	4,151	1/2	100	1/2	1/2	1/2	1/2	1/2	1/2
3/4	63,204	3/4	51,288	3/4	39,372	3/4	27,778	3/4	15,849	3/4	3,903	3/4	100	3/4	3/4	3/4	3/4	3/4	3/4
1	62,956	1	51,040	1	39,124	1	27,529	1	15,600	1	3,654	1	100	1	1	1	1	1	1
1 1/4	62,708	1 1/4	50,792	1 1/4	38,876	1 1/4	27,281	1 1/4	15,351	1 1/4	3,405	1 1/4	100	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	62,459	1 1/2	50,544	1 1/2	38,628	1 1/2	27,033	1 1/2	15,102	1 1/2	3,156	1 1/2	100	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
1 3/4	62,211	1 3/4	50,295	1 3/4	38,386	1 3/4	26,784	1 3/4	14,853	1 3/4	2,909	1 3/4	100	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4
2	61,963	2	50,047	2	38,144	2	26,536	2	14,605	2	2,661	2	100	2	2	2	2	2	2
1/4	61,715	1/4	49,799	1/4	37,902	1/4	26,287	1/4	14,356	1/4	2,413	1/4	100	1/4	1/4	1/4	1/4	1/4	1/4
1/2	61,466	1/2	49,551	1/2	37,650	1/2	26,039	1/2	14,107	1/2	2,165	1/2	100	1/2	1/2	1/2	1/2	1/2	1/2
3/4	61,218	3/4	49,302	3/4	37,420	3/4	25,791	3/4	13,858	3/4	1,927	3/4	100	3/4	3/4	3/4	3/4	3/4	3/4
1	60,970	1	49,054	1	37,181	1	25,542	1	13,609	1	1,688	1	100	1	1	1	1	1	1
1 1/4	60,722	1 1/4	48,806	1 1/4	36,941	1 1/4	25,294	1 1/4	13,360	1 1/4	1,450	1 1/4	100	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	60,473	1 1/2	48,558	1 1/2	36,701	1 1/2	25,045	1 1/2	13,111	1 1/2	1,212	1 1/2	100	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
1 3/4	60,225	1 3/4	48,309	1 3/4	36,461	1 3/4	24,797	1 3/4	12,863	1 3/4	1,041	1 3/4	100	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/09/2019 JS
 CALCULATED: 08/10/2019 CL
 PRINTED: 08/11/2019 CL
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 08/2019

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



BARGE "IB 1302"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-02 1/4"

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	153,793	0	144,805	0	134,522	0	124,238	0	113,955	0	103,672	0	93,388	0	83,105	0	72,821	0
1/4	1/4	153,775	1/4	144,591	1/4	134,308	1/4	124,024	1/4	113,741	1/4	103,457	1/4	93,174	1/4	82,890	1/4	72,607	1/4
1/2	1/2	153,717	1/2	144,377	1/2	134,093	1/2	123,810	1/2	113,526	1/2	103,242	1/2	92,960	1/2	82,676	1/2	72,393	1/2
3/4	3/4	153,659	3/4	144,162	3/4	133,879	3/4	123,596	3/4	113,312	3/4	103,029	3/4	92,745	3/4	82,462	3/4	72,179	3/4
1	1	153,601	1	143,948	1	133,665	1	123,381	1	113,098	1	102,815	1	92,531	1	82,248	1	71,964	1
1/4	1/4	153,543	1/4	143,734	1/4	133,451	1/4	123,167	1/4	112,884	1/4	102,600	1/4	92,317	1/4	82,034	1/4	71,750	1/4
1/2	1/2	153,485	1/2	143,520	1/2	133,236	1/2	122,953	1/2	112,670	1/2	102,386	1/2	92,103	1/2	81,819	1/2	71,536	1/2
3/4	3/4	153,293	3/4	143,305	3/4	133,022	3/4	122,739	3/4	112,455	3/4	102,172	3/4	91,888	3/4	81,605	3/4	71,322	3/4
2	2	153,168	2	143,091	2	132,808	2	122,524	2	112,241	2	101,958	2	91,674	2	81,391	2	71,107	2
1/4	1/4	153,043	1/4	142,877	1/4	132,594	1/4	122,310	1/4	112,027	1/4	101,743	1/4	91,460	1/4	81,177	1/4	70,893	1/4
1/2	1/2	152,854	1/2	142,663	1/2	132,379	1/2	122,096	1/2	111,813	1/2	101,529	1/2	91,246	1/2	80,962	1/2	70,679	1/2
3/4	3/4	152,666	3/4	142,449	3/4	132,165	3/4	121,882	3/4	111,598	3/4	101,315	3/4	91,032	3/4	80,748	3/4	70,465	3/4
3	3	152,477	3	142,234	3	131,951	3	121,667	3	111,384	3	101,101	3	90,817	3	80,534	3	70,250	3
1/4	1/4	152,288	1/4	142,020	1/4	131,737	1/4	121,453	1/4	111,170	1/4	100,886	1/4	90,603	1/4	80,320	1/4	70,036	1/4
1/2	1/2	152,077	1/2	141,806	1/2	131,522	1/2	121,239	1/2	110,956	1/2	100,672	1/2	90,389	1/2	80,105	1/2	69,822	1/2
3/4	3/4	151,866	3/4	141,592	3/4	131,308	3/4	121,025	3/4	110,741	3/4	100,458	3/4	90,175	3/4	79,891	3/4	69,608	3/4
4	4	151,655	4	141,377	4	131,094	4	120,811	4	110,527	4	100,244	4	89,960	4	79,677	4	69,394	4
1/4	1/4	151,445	1/4	141,163	1/4	130,880	1/4	120,596	1/4	110,313	1/4	100,029	1/4	89,746	1/4	79,463	1/4	69,179	1/4
1/2	1/2	151,231	1/2	140,949	1/2	130,665	1/2	120,382	1/2	110,099	1/2	99,815	1/2	89,532	1/2	79,248	1/2	68,965	1/2
3/4	3/4	151,017	3/4	140,735	3/4	130,451	3/4	120,168	3/4	109,884	3/4	99,601	3/4	89,318	3/4	79,034	3/4	68,751	3/4
5	5	150,803	5	140,520	5	130,237	5	119,954	5	109,670	5	99,387	5	89,103	5	78,820	5	68,537	5
1/4	1/4	150,589	1/4	140,306	1/4	130,023	1/4	119,739	1/4	109,456	1/4	99,173	1/4	88,889	1/4	78,606	1/4	68,322	1/4
1/2	1/2	150,375	1/2	140,092	1/2	129,809	1/2	119,525	1/2	109,242	1/2	98,958	1/2	88,675	1/2	78,391	1/2	68,108	1/2
3/4	3/4	150,161	3/4	139,878	3/4	129,594	3/4	119,311	3/4	109,027	3/4	98,744	3/4	88,461	3/4	78,177	3/4	67,894	3/4
6	6	149,947	6	139,663	6	129,380	6	119,097	6	108,813	6	98,530	6	88,246	6	77,963	6	67,680	6
1/4	1/4	149,733	1/4	139,449	1/4	129,166	1/4	118,882	1/4	108,599	1/4	98,316	1/4	88,032	1/4	77,749	1/4	67,465	1/4
1/2	1/2	149,518	1/2	139,235	1/2	128,952	1/2	118,668	1/2	108,385	1/2	98,101	1/2	87,818	1/2	77,535	1/2	67,251	1/2
3/4	3/4	149,304	3/4	139,021	3/4	128,737	3/4	118,454	3/4	108,171	3/4	97,887	3/4	87,604	3/4	77,320	3/4	67,037	3/4
7	7	149,090	7	138,806	7	128,523	7	118,240	7	107,956	7	97,673	7	87,389	7	77,106	7	66,823	7
1/4	1/4	148,876	1/4	138,592	1/4	128,309	1/4	118,025	1/4	107,742	1/4	97,459	1/4	87,175	1/4	76,892	1/4	66,608	1/4
1/2	1/2	148,661	1/2	138,378	1/2	128,095	1/2	117,811	1/2	107,528	1/2	97,244	1/2	86,961	1/2	76,678	1/2	66,394	1/2
3/4	3/4	148,447	3/4	138,164	3/4	127,880	3/4	117,597	3/4	107,314	3/4	97,030	3/4	86,747	3/4	76,463	3/4	66,180	3/4
8	8	148,233	8	137,950	8	127,666	8	117,383	8	107,099	8	96,816	8	86,533	8	76,249	8	65,966	8
1/4	1/4	148,019	1/4	137,735	1/4	127,452	1/4	117,169	1/4	106,885	1/4	96,602	1/4	86,318	1/4	76,035	1/4	65,751	1/4
1/2	1/2	147,804	1/2	137,521	1/2	127,238	1/2	116,954	1/2	106,671	1/2	96,387	1/2	86,104	1/2	75,821	1/2	65,537	1/2
3/4	3/4	147,590	3/4	137,307	3/4	127,023	3/4	116,740	3/4	106,457	3/4	96,173	3/4	85,890	3/4	75,606	3/4	65,323	3/4
9	9	147,376	9	137,093	9	126,809	9	116,526	9	106,242	9	95,959	9	85,676	9	75,392	9	65,109	9
1/4	1/4	147,162	1/4	136,878	1/4	126,595	1/4	116,312	1/4	106,028	1/4	95,745	1/4	85,461	1/4	75,178	1/4	64,895	1/4
1/2	1/2	146,948	1/2	136,664	1/2	126,381	1/2	116,097	1/2	105,814	1/2	95,531	1/2	85,247	1/2	74,964	1/2	64,680	1/2
3/4	3/4	146,733	3/4	136,450	3/4	126,166	3/4	115,883	3/4	105,600	3/4	95,316	3/4	85,033	3/4	74,749	3/4	64,466	3/4
10	10	146,519	10	136,236	10	125,952	10	115,669	10	105,385	10	95,102	10	84,819	10	74,535	10	64,252	10
1/4	1/4	146,305	1/4	136,021	1/4	125,738	1/4	115,455	1/4	105,171	1/4	94,888	1/4	84,604	1/4	74,321	1/4	64,038	1/4
1/2	1/2	146,091	1/2	135,807	1/2	125,524	1/2	115,240	1/2	104,957	1/2	94,674	1/2	84,390	1/2	74,107	1/2	63,823	1/2
3/4	3/4	145,876	3/4	135,593	3/4	125,310	3/4	115,026	3/4	104,743	3/4	94,459	3/4	84,176	3/4	73,893	3/4	63,609	3/4
11	11	145,662	11	135,379	11	125,095	11	114,812	11	104,528	11	94,245	11	83,962	11	73,678	11	63,395	11
1/4	1/4	145,448	1/4	135,164	1/4	124,881	1/4	114,598	1/4	104,314	1/4	94,031	1/4	83,747	1/4	73,464	1/4	63,181	1/4
1/2	1/2	145,234	1/2	134,950	1/2	124,667	1/2	114,383	1/2	104,100	1/2	93,817	1/2	83,533	1/2	73,250	1/2	62,966	1/2
3/4	3/4	145,019	3/4	134,736	3/4	124,453	3/4	114,169	3/4	103,886	3/4	93,602	3/4	83,319	3/4	73,036	3/4	62,752	3/4

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 2092
Pearland, Texas 77588
http://www.pmaacorp.net



BARGE "IB 1302"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-02 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	62,538	0	52,255	0	41,971	0	31,725	0	21,658	0	11,375	0	1,124	0		0			
1/4	62,324	1/4	52,040	1/4	41,757	1/4	31,517	1/4	21,443	1/4	11,160	1/4	919	1/4		1/4			
1/2	61,895	1/2	51,826	1/2	41,543	1/2	31,309	1/2	21,229	1/2	10,946	1/2	772	1/2		1/2			
3/4	61,681	3/4	51,612	3/4	41,328	3/4	31,101	3/4	21,015	3/4	10,732	3/4	625	3/4		3/4			
1	61,467	1	51,398	1	41,114	1	30,893	1	20,801	1	10,518	1	478	1		1			
1 1/4	61,252	1 1/4	51,183	1 1/4	40,900	1 1/4	30,678	1 1/4	20,587	1 1/4	10,304	1 1/4	331	1 1/4		1 1/4			
1 1/2	61,038	1 1/2	50,969	1 1/2	40,686	1 1/2	30,471	1 1/2	20,372	1 1/2	10,089	1 1/2	267	1 1/2		1 1/2			
1 3/4	60,824	1 3/4	50,755	1 3/4	40,471	1 3/4	30,270	1 3/4	20,158	1 3/4	9,875	1 3/4	202	1 3/4		1 3/4			
2	60,610	2	50,541	2	40,257	2	30,062	2	19,944	2	9,661	2	138	2		2			
2 1/4	60,396	2 1/4	50,326	2 1/4	40,043	2 1/4	29,854	2 1/4	19,730	2 1/4	9,447	2 1/4	74	2 1/4		2 1/4			
2 1/2	60,181	2 1/2	50,112	2 1/2	39,829	2 1/2	29,646	2 1/2	19,515	2 1/2	9,232	2 1/2		2 1/2		2 1/2			
2 3/4	59,967	2 3/4	49,898	2 3/4	39,614	2 3/4	29,438	2 3/4	19,301	2 3/4	9,018	2 3/4		2 3/4		2 3/4			
3	59,753	3	49,684	3	39,400	3	29,230	3	19,087	3	8,804	3		3		3			
3 1/4	59,539	3 1/4	49,469	3 1/4	39,186	3 1/4	29,022	3 1/4	18,873	3 1/4	8,590	3 1/4		3 1/4		3 1/4			
3 1/2	59,324	3 1/2	49,255	3 1/2	38,972	3 1/2	28,814	3 1/2	18,658	3 1/2	8,376	3 1/2		3 1/2		3 1/2			
3 3/4	59,110	3 3/4	49,041	3 3/4	38,758	3 3/4	28,606	3 3/4	18,444	3 3/4	8,161	3 3/4		3 3/4		3 3/4			
4	58,896	4	48,827	4	38,543	4	28,398	4	18,230	4	7,947	4		4		4			
4 1/4	58,682	4 1/4	48,612	4 1/4	38,329	4 1/4	28,190	4 1/4	18,016	4 1/4	7,733	4 1/4		4 1/4		4 1/4			
4 1/2	58,467	4 1/2	48,398	4 1/2	38,115	4 1/2	27,982	4 1/2	17,802	4 1/2	7,519	4 1/2		4 1/2		4 1/2			
4 3/4	58,253	4 3/4	48,184	4 3/4	37,901	4 3/4	27,774	4 3/4	17,587	4 3/4	7,304	4 3/4		4 3/4		4 3/4			
5	58,039	5	47,970	5	37,686	5	27,566	5	17,373	5	7,090	5		5		5			
5 1/4	57,825	5 1/4	47,756	5 1/4	37,472	5 1/4	27,358	5 1/4	17,159	5 1/4	6,876	5 1/4		5 1/4		5 1/4			
5 1/2	57,610	5 1/2	47,541	5 1/2	37,258	5 1/2	27,150	5 1/2	16,945	5 1/2	6,662	5 1/2		5 1/2		5 1/2			
5 3/4	57,396	5 3/4	47,327	5 3/4	37,044	5 3/4	26,942	5 3/4	16,730	5 3/4	6,447	5 3/4		5 3/4		5 3/4			
6	57,182	6	47,113	6	36,829	6	26,734	6	16,516	6	6,233	6		6		6			
6 1/4	56,968	6 1/4	46,899	6 1/4	36,615	6 1/4	26,526	6 1/4	16,302	6 1/4	6,019	6 1/4		6 1/4		6 1/4			
6 1/2	56,753	6 1/2	46,684	6 1/2	36,401	6 1/2	26,319	6 1/2	16,088	6 1/2	5,805	6 1/2		6 1/2		6 1/2			
6 3/4	56,539	6 3/4	46,470	6 3/4	36,187	6 3/4	26,111	6 3/4	15,874	6 3/4	5,591	6 3/4		6 3/4		6 3/4			
7	56,325	7	46,256	7	35,972	7	25,903	7	15,659	7	5,376	7		7		7			
7 1/4	56,111	7 1/4	46,042	7 1/4	35,758	7 1/4	25,695	7 1/4	15,445	7 1/4	5,162	7 1/4		7 1/4		7 1/4			
7 1/2	55,897	7 1/2	45,827	7 1/2	35,544	7 1/2	25,488	7 1/2	15,231	7 1/2	4,948	7 1/2		7 1/2		7 1/2			
7 3/4	55,682	7 3/4	45,613	7 3/4	35,330	7 3/4	25,280	7 3/4	15,017	7 3/4	4,734	7 3/4		7 3/4		7 3/4			
8	55,468	8	45,399	8	35,116	8	25,072	8	14,802	8	4,519	8		8		8			
8 1/4	55,254	8 1/4	45,185	8 1/4	34,901	8 1/4	24,865	8 1/4	14,588	8 1/4	4,305	8 1/4		8 1/4		8 1/4			
8 1/2	55,040	8 1/2	44,970	8 1/2	34,687	8 1/2	24,652	8 1/2	14,374	8 1/2	4,091	8 1/2		8 1/2		8 1/2			
8 3/4	54,825	8 3/4	44,756	8 3/4	34,473	8 3/4	24,439	8 3/4	14,160	8 3/4	3,877	8 3/4		8 3/4		8 3/4			
9	54,611	9	44,542	9	34,259	9	24,227	9	13,945	9	3,662	9		9		9			
9 1/4	54,397	9 1/4	44,328	9 1/4	34,044	9 1/4	24,014	9 1/4	13,731	9 1/4	3,448	9 1/4		9 1/4		9 1/4			
9 1/2	54,183	9 1/2	44,113	9 1/2	33,830	9 1/2	23,800	9 1/2	13,517	9 1/2	3,234	9 1/2		9 1/2		9 1/2			
9 3/4	53,968	9 3/4	43,899	9 3/4	33,616	9 3/4	23,586	9 3/4	13,303	9 3/4	3,020	9 3/4		9 3/4		9 3/4			
10	53,754	10	43,685	10	33,402	10	23,371	10	13,089	10	2,806	10		10		10			
10 1/4	53,540	10 1/4	43,471	10 1/4	33,187	10 1/4	23,157	10 1/4	12,874	10 1/4	2,592	10 1/4		10 1/4		10 1/4			
10 1/2	53,326	10 1/2	43,257	10 1/2	32,978	10 1/2	22,943	10 1/2	12,660	10 1/2	2,379	10 1/2		10 1/2		10 1/2			
10 3/4	53,111	10 3/4	43,042	10 3/4	32,768	10 3/4	22,729	10 3/4	12,446	10 3/4	2,165	10 3/4		10 3/4		10 3/4			
11	52,897	11	42,828	11	32,559	11	22,515	11	12,232	11	1,952	11		11		11			
11 1/4	52,683	11 1/4	42,614	11 1/4	32,349	11 1/4	22,300	11 1/4	12,017	11 1/4	1,739	11 1/4		11 1/4		11 1/4			
11 1/2	52,469	11 1/2	42,400	11 1/2	32,141	11 1/2	22,086	11 1/2	11,803	11 1/2	1,534	11 1/2		11 1/2		11 1/2			
11 3/4	52,255	11 3/4	42,185	11 3/4	31,933	11 3/4	21,872	11 3/4	11,589	11 3/4	1,329	11 3/4		11 3/4		11 3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 CALCULATED: 08/10/2019 CL
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 CANCELS AND SUPERCEDES
 ALL PRIOR TO 08/2019

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



BARGE "IB 1302"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-01 5/8"

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	154,814	0	146,337	0	134,993	0	124,649	0	114,305	0	103,961	0	93,617	0	83,273	0	72,929	0
1/4	1/4	154,752	1/4	146,121	1/4	134,777	1/4	124,433	1/4	114,089	1/4	103,746	1/4	93,402	1/4	83,058	1/4	72,714	1/4
1/2	1/2	154,690	1/2	144,906	1/2	134,562	1/2	124,218	1/2	113,874	1/2	103,530	1/2	93,186	1/2	82,842	1/2	72,498	1/2
3/4	3/4	154,602	3/4	144,906	3/4	134,346	3/4	124,002	3/4	113,658	3/4	103,315	3/4	92,971	3/4	82,627	3/4	72,283	3/4
1	1	154,476	1	144,475	1	134,131	1	123,787	1	113,443	1	103,099	1	92,755	1	82,411	1	72,067	1
1/4	1/4	154,351	1/4	144,259	1/4	133,915	1/4	123,571	1/4	113,227	1/4	102,883	1/4	92,540	1/4	82,196	1/4	71,852	1/4
1/2	1/2	154,225	1/2	144,044	1/2	133,700	1/2	123,356	1/2	113,012	1/2	102,688	1/2	92,324	1/2	81,980	1/2	71,636	1/2
3/4	3/4	154,057	3/4	143,828	3/4	133,484	3/4	123,140	3/4	112,796	3/4	102,453	3/4	92,109	3/4	81,765	3/4	71,421	3/4
2	2	153,877	2	143,613	2	133,269	2	122,925	2	112,581	2	102,237	2	91,893	2	81,549	2	71,205	2
1/4	1/4	153,687	1/4	143,397	1/4	133,053	1/4	122,709	1/4	112,365	1/4	102,022	1/4	91,678	1/4	81,334	1/4	70,990	1/4
1/2	1/2	153,498	1/2	143,182	1/2	132,838	1/2	122,494	1/2	112,150	1/2	101,806	1/2	91,462	1/2	81,118	1/2	70,774	1/2
3/4	3/4	153,297	3/4	142,966	3/4	132,622	3/4	122,278	3/4	111,934	3/4	101,591	3/4	91,247	3/4	80,903	3/4	70,559	3/4
3	3	153,084	3	142,751	3	132,407	3	122,063	3	111,719	3	101,375	3	91,031	3	80,687	3	70,343	3
1/4	1/4	152,872	1/4	142,535	1/4	132,191	1/4	121,847	1/4	111,503	1/4	101,160	1/4	90,816	1/4	80,472	1/4	70,128	1/4
1/2	1/2	152,660	1/2	142,320	1/2	131,976	1/2	121,632	1/2	111,288	1/2	100,944	1/2	90,600	1/2	80,256	1/2	69,912	1/2
3/4	3/4	152,447	3/4	142,104	3/4	131,760	3/4	121,416	3/4	111,072	3/4	100,729	3/4	90,385	3/4	80,041	3/4	69,697	3/4
4	4	152,231	4	141,889	4	131,545	4	121,201	4	110,857	4	100,513	4	90,169	4	79,825	4	69,469	4
1/4	1/4	152,016	1/4	141,673	1/4	131,329	1/4	120,985	1/4	110,641	1/4	100,298	1/4	89,954	1/4	79,680	1/4	69,266	1/4
1/2	1/2	151,801	1/2	141,458	1/2	131,114	1/2	120,770	1/2	110,426	1/2	100,082	1/2	89,738	1/2	79,534	1/2	69,050	1/2
3/4	3/4	151,586	3/4	141,242	3/4	130,898	3/4	120,554	3/4	110,210	3/4	99,867	3/4	89,523	3/4	79,179	3/4	68,835	3/4
5	5	151,371	5	141,027	5	130,683	5	120,339	5	109,995	5	99,651	5	89,307	5	78,983	5	68,619	5
1/4	1/4	151,155	1/4	140,811	1/4	130,467	1/4	120,123	1/4	109,779	1/4	99,436	1/4	89,092	1/4	78,748	1/4	68,404	1/4
1/2	1/2	150,940	1/2	140,596	1/2	130,252	1/2	119,908	1/2	109,564	1/2	99,220	1/2	88,876	1/2	78,532	1/2	68,188	1/2
3/4	3/4	150,724	3/4	140,380	3/4	130,036	3/4	119,692	3/4	109,348	3/4	99,005	3/4	88,661	3/4	78,317	3/4	67,973	3/4
6	6	150,509	6	140,165	6	129,821	6	119,477	6	109,133	6	98,787	6	88,445	6	78,101	6	67,757	6
1/4	1/4	150,293	1/4	139,949	1/4	129,605	1/4	119,261	1/4	108,917	1/4	98,574	1/4	88,230	1/4	77,886	1/4	67,542	1/4
1/2	1/2	150,078	1/2	139,734	1/2	129,390	1/2	119,046	1/2	108,702	1/2	98,358	1/2	88,014	1/2	77,670	1/2	67,326	1/2
3/4	3/4	149,862	3/4	139,518	3/4	129,174	3/4	118,830	3/4	108,486	3/4	98,143	3/4	87,799	3/4	77,455	3/4	67,111	3/4
7	7	149,647	7	139,303	7	128,959	7	118,615	7	108,271	7	97,927	7	87,583	7	77,239	7	66,895	7
1/4	1/4	149,431	1/4	139,087	1/4	128,743	1/4	118,399	1/4	108,055	1/4	97,712	1/4	87,368	1/4	77,024	1/4	66,680	1/4
1/2	1/2	149,216	1/2	138,872	1/2	128,528	1/2	118,184	1/2	107,840	1/2	97,496	1/2	87,152	1/2	76,808	1/2	66,464	1/2
3/4	3/4	149,000	3/4	138,656	3/4	128,312	3/4	117,968	3/4	107,624	3/4	97,281	3/4	86,937	3/4	76,593	3/4	66,249	3/4
8	8	148,785	8	138,441	8	128,097	8	117,753	8	107,409	8	97,065	8	86,721	8	76,377	8	66,033	8
1/4	1/4	148,569	1/4	138,225	1/4	127,881	1/4	117,537	1/4	107,193	1/4	96,850	1/4	86,506	1/4	76,162	1/4	65,818	1/4
1/2	1/2	148,354	1/2	138,010	1/2	127,666	1/2	117,322	1/2	106,978	1/2	96,634	1/2	86,290	1/2	75,946	1/2	65,602	1/2
3/4	3/4	148,138	3/4	137,794	3/4	127,450	3/4	117,106	3/4	106,762	3/4	96,419	3/4	86,075	3/4	75,731	3/4	65,387	3/4
9	9	147,923	9	137,579	9	127,235	9	116,891	9	106,547	9	96,203	9	85,859	9	75,515	9	65,171	9
1/4	1/4	147,707	1/4	137,363	1/4	127,019	1/4	116,675	1/4	106,331	1/4	95,988	1/4	85,644	1/4	75,300	1/4	64,956	1/4
1/2	1/2	147,492	1/2	137,148	1/2	126,804	1/2	116,460	1/2	106,116	1/2	95,772	1/2	85,428	1/2	75,084	1/2	64,740	1/2
3/4	3/4	147,276	3/4	136,932	3/4	126,588	3/4	116,244	3/4	105,900	3/4	95,557	3/4	85,213	3/4	74,869	3/4	64,524	3/4
10	10	147,061	10	136,717	10	126,373	10	116,029	10	105,685	10	95,341	10	84,997	10	74,653	10	64,309	10
1/4	1/4	146,845	1/4	136,501	1/4	126,157	1/4	115,813	1/4	105,470	1/4	95,126	1/4	84,782	1/4	74,438	1/4	64,094	1/4
1/2	1/2	146,630	1/2	136,286	1/2	125,942	1/2	115,598	1/2	105,254	1/2	94,910	1/2	84,566	1/2	74,222	1/2	63,878	1/2
3/4	3/4	146,414	3/4	136,070	3/4	125,726	3/4	115,382	3/4	105,039	3/4	94,695	3/4	84,351	3/4	74,007	3/4	63,663	3/4
11	11	146,199	11	135,855	11	125,511	11	115,167	11	104,823	11	94,479	11	84,135	11	73,791	11	63,447	11
1/4	1/4	145,983	1/4	135,639	1/4	125,295	1/4	114,951	1/4	104,608	1/4	94,264	1/4	83,920	1/4	73,576	1/4	63,232	1/4
1/2	1/2	145,768	1/2	135,424	1/2	125,080	1/2	114,736	1/2	104,392	1/2	94,048	1/2	83,704	1/2	73,360	1/2	63,016	1/2
3/4	3/4	145,552	3/4	135,208	3/4	124,864	3/4	114,520	3/4	104,177	3/4	93,833	3/4	83,489	3/4	73,145	3/4	62,801	3/4

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 24'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

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Pearland, Texas 77588

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BARGE "IB 1302"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-01 5/8"

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	62,585	0	52,241	0	41,897	0	31,560	0	21,246	0	10,903	0	702	0		0			
1/4	62,370	1/4	52,026	1/4	41,682	1/4	31,345	1/4	21,031	1/4	10,687	1/4	554	1/4					
1/2	61,939	1/2	51,595	1/2	41,251	1/2	30,916	1/2	20,600	1/2	10,256	1/2	300	1/2					
3/4	61,723	3/4	51,379	3/4	41,035	3/4	30,701	3/4	20,384	3/4	10,041	3/4	236	3/4					
1	61,508	1	51,164	1	40,820	1	30,487	1	20,169	1	9,825	1	171	1					
1 1/4	61,292	1 1/4	50,948	1 1/4	40,604	1 1/4	30,272	1 1/4	19,953	1 1/4	9,610	1 1/4	106	1 1/4					
1 1/2	61,077	1 1/2	50,733	1 1/2	40,389	1 1/2	30,058	1 1/2	19,738	1 1/2	9,394	1 1/2	74	1 1/2					
1 3/4	60,861	1 3/4	50,517	1 3/4	40,173	1 3/4	29,843	1 3/4	19,522	1 3/4	9,179	1 3/4		1 3/4					
2	60,646	2	50,302	2	39,958	2	29,629	2	19,307	2	8,963	2		2					
1/4	60,430	1/4	50,086	1/4	39,742	1/4	29,414	1/4	19,091	1/4	8,748	1/4							
1/2	60,215	1/2	49,871	1/2	39,527	1/2	29,200	1/2	18,876	1/2	8,532	1/2							
3/4	59,999	3/4	49,655	3/4	39,311	3/4	28,985	3/4	18,660	3/4	8,317	3/4							
1	59,784	1	49,440	1	39,096	1	28,771	1	18,445	1	8,101	1							
1 1/4	59,568	1 1/4	49,224	1 1/4	38,880	1 1/4	28,556	1 1/4	18,229	1 1/4	7,886	1 1/4							
1 1/2	59,353	1 1/2	49,009	1 1/2	38,665	1 1/2	28,341	1 1/2	18,014	1 1/2	7,670	1 1/2							
1 3/4	59,137	1 3/4	48,793	1 3/4	38,449	1 3/4	28,127	1 3/4	17,798	1 3/4	7,455	1 3/4							
2	58,922	2	48,578	2	38,234	2	27,912	2	17,583	2	7,239	2							
1/4	58,706	1/4	48,362	1/4	38,018	1/4	27,698	1/4	17,367	1/4	7,024	1/4							
1/2	58,491	1/2	48,147	1/2	37,803	1/2	27,483	1/2	17,152	1/2	6,808	1/2							
3/4	58,275	3/4	47,931	3/4	37,587	3/4	27,269	3/4	16,936	3/4	6,593	3/4							
1	58,060	1	47,716	1	37,372	1	27,054	1	16,721	1	6,377	1							
1 1/4	57,844	1 1/4	47,500	1 1/4	37,156	1 1/4	26,840	1 1/4	16,505	1 1/4	6,162	1 1/4							
1 1/2	57,629	1 1/2	47,285	1 1/2	36,941	1 1/2	26,625	1 1/2	16,289	1 1/2	5,946	1 1/2							
1 3/4	57,413	1 3/4	47,069	1 3/4	36,725	1 3/4	26,411	1 3/4	16,074	1 3/4	5,731	1 3/4							
2	57,198	2	46,854	2	36,510	2	26,196	2	15,859	2	5,515	2							
1/4	56,982	1/4	46,638	1/4	36,294	1/4	26,982	1/4	15,643	1/4	5,300	1/4							
1/2	56,767	1/2	46,423	1/2	36,079	1/2	26,767	1/2	15,428	1/2	5,084	1/2							
3/4	56,551	3/4	46,207	3/4	35,863	3/4	26,553	3/4	15,212	3/4	4,869	3/4							
1	56,336	1	45,992	1	35,648	1	26,338	1	14,997	1	4,653	1							
1 1/4	56,120	1 1/4	45,776	1 1/4	35,432	1 1/4	26,124	1 1/4	14,782	1 1/4	4,438	1 1/4							
1 1/2	55,905	1 1/2	45,561	1 1/2	35,217	1 1/2	25,909	1 1/2	14,566	1 1/2	4,223	1 1/2							
1 3/4	55,689	1 3/4	45,345	1 3/4	35,001	1 3/4	25,693	1 3/4	14,351	1 3/4	4,007	1 3/4							
2	55,474	2	45,130	2	34,786	2	25,478	2	14,135	2	3,792	2							
1/4	55,258	1/4	44,914	1/4	34,570	1/4	25,263	1/4	13,920	1/4	3,576	1/4							
1/2	55,043	1/2	44,699	1/2	34,355	1/2	25,048	1/2	13,704	1/2	3,361	1/2							
3/4	54,827	3/4	44,483	3/4	34,139	3/4	24,832	3/4	13,489	3/4	3,145	3/4							
1	54,612	1	44,268	1	33,924	1	23,617	1	13,273	1	2,930	1							
1 1/4	54,396	1 1/4	44,052	1 1/4	33,708	1 1/4	23,401	1 1/4	13,058	1 1/4	2,715	1 1/4							
1 1/2	54,181	1 1/2	43,837	1 1/2	33,493	1 1/2	23,186	1 1/2	12,842	1 1/2	2,500	1 1/2							
1 3/4	53,965	1 3/4	43,621	1 3/4	33,278	1 3/4	22,970	1 3/4	12,627	1 3/4	2,285	1 3/4							
2	53,750	2	43,406	2	33,063	2	22,755	2	12,411	2	2,070	2							
1/4	53,534	1/4	43,190	1/4	32,848	1/4	22,539	1/4	12,196	1/4	1,856	1/4							
1/2	53,319	1/2	42,975	1/2	32,633	1/2	22,324	1/2	11,980	1/2	1,645	1/2							
3/4	53,103	3/4	42,759	3/4	32,418	3/4	22,108	3/4	11,765	3/4	1,439	3/4							
1	52,888	1	42,544	1	32,204	1	21,893	1	11,549	1	1,233	1							
1 1/4	52,672	1 1/4	42,328	1 1/4	31,989	1 1/4	21,677	1 1/4	11,334	1 1/4	1,027	1 1/4							
1 1/2	52,457	1 1/2	42,113	1 1/2	31,774	1 1/2	21,462	1 1/2	11,118	1 1/2	850	1 1/2							

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