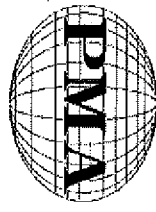


Full load



BARGE "IB 1303"

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:

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

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 19, 2019

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

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BARGE "IB 1303"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-01 3/4"

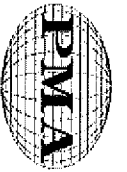
IN	0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.
0	170,548	161,090	150,901	140,711	130,522	119,694	107,787	95,875	83,962	
1/4	170,481	160,878	150,688	140,499	130,310	119,447	107,539	95,627	83,714	
1/2	170,414	160,665	150,476	140,287	130,097	119,199	107,291	95,379	83,486	
3/4	170,347	160,453	150,264	140,074	129,885	118,961	107,043	95,130	83,258	
1	170,280	160,241	150,052	139,862	129,673	118,703	106,795	94,882	82,970	
1 1/4	170,057	160,029	149,839	139,650	129,460	118,455	106,547	94,634	82,722	
1 1/2	169,914	159,816	149,627	139,438	129,248	118,207	106,298	94,386	82,473	
1 3/4	169,766	159,604	149,415	139,225	129,036	117,960	106,050	94,138	82,225	
2	169,561	159,392	149,202	139,013	128,824	117,712	105,802	93,890	81,978	
1/4	169,356	159,179	148,990	138,801	128,611	117,464	105,554	93,641	81,730	
1/2	169,150	158,967	148,778	138,588	128,399	117,216	105,306	93,393	81,483	
3/4	168,945	158,755	148,566	138,376	128,187	116,968	105,058	93,145	81,236	
3	168,732	158,543	148,353	138,164	127,975	116,720	104,809	92,897	80,989	
1/4	168,519	158,330	148,141	137,952	127,762	116,473	104,561	92,649	80,741	
1/2	168,306	158,118	147,929	137,739	127,550	116,225	104,313	92,400	80,494	
3/4	168,093	157,906	147,716	137,527	127,338	115,977	104,065	92,152	80,247	
4	167,881	157,694	147,504	137,315	127,125	115,729	103,817	91,904	80,000	
1/4	167,669	157,481	147,292	137,103	126,913	115,481	103,568	91,656	79,753	
1/2	167,458	157,269	147,080	136,890	126,701	115,233	103,320	91,408	79,506	
3/4	167,246	157,057	146,867	136,678	126,489	114,985	103,072	91,160	79,259	
5	167,034	156,844	146,655	136,466	126,276	114,738	102,824	90,911	79,012	
1/4	166,821	156,632	146,443	136,253	126,064	114,490	102,576	90,663	78,764	
1/2	166,609	156,420	146,230	136,041	125,852	114,242	102,328	90,415	78,517	
3/4	166,397	156,208	146,018	135,829	125,640	113,994	102,079	90,167	78,270	
7	166,185	155,995	145,806	135,617	125,427	113,746	101,831	89,919	78,023	
1/4	165,972	155,783	145,594	135,404	125,215	113,498	101,583	89,671	77,776	
1/2	165,760	155,571	145,381	135,192	125,003	113,250	101,335	89,422	77,529	
3/4	165,548	155,358	145,169	134,980	124,790	113,002	101,087	89,174	77,282	
7	165,336	155,146	144,957	134,767	124,578	112,751	100,839	88,926	77,035	
1/4	165,123	154,934	144,745	134,555	124,366	112,503	100,590	88,678	76,787	
1/2	164,911	154,722	144,532	134,343	124,154	112,255	100,342	88,430	76,540	
3/4	164,699	154,509	144,320	134,131	123,942	112,006	100,094	88,181	76,293	
8	164,486	154,297	144,108	133,918	123,730	111,758	99,846	87,933	76,046	
1/4	164,274	154,085	143,895	133,706	123,518	111,510	99,598	87,685	75,799	
1/2	164,062	153,873	143,683	133,494	123,306	111,262	99,349	87,437	75,552	
3/4	163,850	153,660	143,471	133,281	123,094	111,014	99,101	87,189	75,305	
9	163,637	153,448	143,259	133,069	122,882	110,766	98,853	86,941	75,058	
1/4	163,425	153,236	143,046	132,857	122,670	110,517	98,605	86,692	74,810	
1/2	163,213	153,023	142,834	132,645	122,458	110,269	98,357	86,444	74,563	
3/4	163,001	152,811	142,622	132,432	122,246	110,021	98,109	86,196	74,316	
10	162,788	152,599	142,409	132,220	122,034	109,773	97,860	85,948	74,069	
1/4	162,576	152,387	142,197	132,008	121,821	109,525	97,612	85,700	73,822	
1/2	162,364	152,174	141,985	131,796	121,609	109,277	97,364	85,452	73,575	
3/4	162,151	151,962	141,773	131,583	121,397	109,029	97,116	85,203	73,328	
11	161,939	151,750	141,560	131,371	121,184	108,780	96,868	84,955	73,081	
1/4	161,727	151,537	141,348	131,159	120,972	108,532	96,620	84,707	72,834	
1/2	161,515	151,325	141,136	130,946	120,760	108,284	96,371	84,459	72,586	
3/4	161,302	151,113	140,924	130,734	120,548	108,036	96,123	84,211	72,339	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH IAPMO 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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BARGE "IB 1303"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-01 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	72,091	0	60,184	0	48,277	0	36,437	0	24,780	0	12,854	0	1,041	0	0	0	0	0	0
1/4	71,844	1/4	59,936	1/4	48,029	1/4	36,197	1/4	24,532	1/4	12,605	1/4	870	1/4	0	1/4	1/4	1/4	1/4
1/2	71,596	1/2	59,688	1/2	47,780	1/2	35,957	1/2	24,284	1/2	12,356	1/2	700	1/2	0	1/2	1/2	1/2	1/2
3/4	71,348	3/4	59,440	3/4	47,532	3/4	35,718	3/4	24,035	3/4	12,108	3/4	529	3/4	0	3/4	3/4	3/4	3/4
1	71,100	1	59,192	1	47,284	1	35,478	1	23,787	1	11,859	1	454	1	0	1	1	1	1
1/4	70,852	1/4	58,944	1/4	47,036	1/4	35,228	1/4	23,539	1/4	11,610	1/4	380	1/4	0	1/4	1/4	1/4	1/4
1/2	70,604	1/2	58,696	1/2	46,788	1/2	34,999	1/2	23,291	1/2	11,361	1/2	305	1/2	0	1/2	1/2	1/2	1/2
3/4	70,356	3/4	58,448	3/4	46,540	3/4	34,759	3/4	23,043	3/4	11,113	3/4	230	3/4	0	3/4	3/4	3/4	3/4
2	70,108	2	58,200	2	46,292	2	34,520	2	22,794	2	10,864	2	155	2	0	2	2	2	2
1/4	69,859	1/4	57,952	1/4	46,044	1/4	34,280	1/4	22,546	1/4	10,615	1/4	80	1/4	0	1/4	1/4	1/4	1/4
1/2	69,611	1/2	57,704	1/2	45,796	1/2	34,040	1/2	22,298	1/2	10,367	1/2	5	1/2	0	1/2	1/2	1/2	1/2
3/4	69,363	3/4	57,456	3/4	45,548	3/4	33,801	3/4	22,050	3/4	10,118	3/4	0	3/4	0	3/4	3/4	3/4	3/4
3	69,115	3	57,207	3	45,300	3	33,561	3	21,801	3	9,869	3	0	3	0	3	3	3	3
1/4	68,867	1/4	56,959	1/4	45,052	1/4	33,322	1/4	21,553	1/4	9,620	1/4	0	1/4	0	1/4	1/4	1/4	1/4
1/2	68,619	1/2	56,711	1/2	44,803	1/2	33,082	1/2	21,305	1/2	9,372	1/2	0	1/2	0	1/2	1/2	1/2	1/2
3/4	68,371	3/4	56,463	3/4	44,555	3/4	32,842	3/4	21,057	3/4	9,123	3/4	0	3/4	0	3/4	3/4	3/4	3/4
4	68,123	4	56,215	4	44,307	4	32,603	4	20,808	4	8,874	4	0	4	0	4	4	4	4
1/4	67,875	1/4	55,967	1/4	44,059	1/4	32,363	1/4	20,560	1/4	8,625	1/4	0	1/4	0	1/4	1/4	1/4	1/4
1/2	67,627	1/2	55,719	1/2	43,811	1/2	32,124	1/2	20,312	1/2	8,377	1/2	0	1/2	0	1/2	1/2	1/2	1/2
3/4	67,379	3/4	55,471	3/4	43,563	3/4	31,884	3/4	20,064	3/4	8,128	3/4	0	3/4	0	3/4	3/4	3/4	3/4
5	67,131	5	55,223	5	43,315	5	31,644	5	19,815	5	7,879	5	0	5	0	5	5	5	5
1/4	66,882	1/4	54,975	1/4	43,067	1/4	31,405	1/4	19,567	1/4	7,631	1/4	0	1/4	0	1/4	1/4	1/4	1/4
1/2	66,634	1/2	54,727	1/2	42,819	1/2	31,165	1/2	19,319	1/2	7,382	1/2	0	1/2	0	1/2	1/2	1/2	1/2
3/4	66,386	3/4	54,479	3/4	42,571	3/4	30,925	3/4	19,071	3/4	7,133	3/4	0	3/4	0	3/4	3/4	3/4	3/4
6	66,138	6	54,230	6	42,323	6	30,684	6	18,822	6	6,884	6	0	6	0	6	6	6	6
1/4	65,890	1/4	53,982	1/4	42,075	1/4	30,443	1/4	18,574	1/4	6,636	1/4	0	1/4	0	1/4	1/4	1/4	1/4
1/2	65,642	1/2	53,734	1/2	41,827	1/2	30,202	1/2	18,325	1/2	6,387	1/2	0	1/2	0	1/2	1/2	1/2	1/2
3/4	65,394	3/4	53,486	3/4	41,578	3/4	29,961	3/4	18,076	3/4	6,138	3/4	0	3/4	0	3/4	3/4	3/4	3/4
7	65,146	7	53,238	7	41,330	7	29,719	7	17,828	7	5,889	7	0	7	0	7	7	7	7
1/4	64,898	1/4	52,990	1/4	41,082	1/4	29,477	1/4	17,579	1/4	5,641	1/4	0	1/4	0	1/4	1/4	1/4	1/4
1/2	64,650	1/2	52,742	1/2	40,834	1/2	29,235	1/2	17,330	1/2	5,392	1/2	0	1/2	0	1/2	1/2	1/2	1/2
3/4	64,402	3/4	52,494	3/4	40,586	3/4	28,994	3/4	17,082	3/4	5,143	3/4	0	3/4	0	3/4	3/4	3/4	3/4
8	64,154	8	52,246	8	40,338	8	28,747	8	16,833	8	4,895	8	0	8	0	8	8	8	8
1/4	63,906	1/4	51,998	1/4	40,090	1/4	28,500	1/4	16,584	1/4	4,646	1/4	0	1/4	0	1/4	1/4	1/4	1/4
1/2	63,657	1/2	51,750	1/2	39,842	1/2	28,254	1/2	16,335	1/2	4,397	1/2	0	1/2	0	1/2	1/2	1/2	1/2
3/4	63,409	3/4	51,502	3/4	39,594	3/4	28,007	3/4	16,087	3/4	4,148	3/4	0	3/4	0	3/4	3/4	3/4	3/4
9	63,161	9	51,254	9	39,346	9	27,759	9	15,838	9	3,900	9	0	9	0	9	9	9	9
1/4	62,913	1/4	51,005	1/4	39,098	1/4	27,511	1/4	15,589	1/4	3,651	1/4	0	1/4	0	1/4	1/4	1/4	1/4
1/2	62,665	1/2	50,757	1/2	38,850	1/2	27,262	1/2	15,341	1/2	3,403	1/2	0	1/2	0	1/2	1/2	1/2	1/2
3/4	62,417	3/4	50,509	3/4	38,602	3/4	27,014	3/4	15,092	3/4	3,154	3/4	0	3/4	0	3/4	3/4	3/4	3/4
10	62,169	10	50,261	10	38,354	10	26,766	10	14,843	10	2,905	10	0	10	0	10	10	10	10
1/4	61,921	1/4	50,013	1/4	38,106	1/4	26,518	1/4	14,595	1/4	2,659	1/4	0	1/4	0	1/4	1/4	1/4	1/4
1/2	61,673	1/2	49,765	1/2	37,858	1/2	26,270	1/2	14,346	1/2	2,411	1/2	0	1/2	0	1/2	1/2	1/2	1/2
3/4	61,425	3/4	49,517	3/4	37,610	3/4	26,021	3/4	14,097	3/4	2,163	3/4	0	3/4	0	3/4	3/4	3/4	3/4
11	61,177	11	49,269	11	37,362	11	25,773	11	13,849	11	1,925	11	0	11	0	11	11	11	11
1/4	60,929	1/4	49,021	1/4	37,114	1/4	25,525	1/4	13,600	1/4	1,687	1/4	0	1/4	0	1/4	1/4	1/4	1/4
1/2	60,681	1/2	48,773	1/2	36,866	1/2	25,277	1/2	13,351	1/2	1,449	1/2	0	1/2	0	1/2	1/2	1/2	1/2
3/4	60,432	3/4	48,525	3/4	36,618	3/4	25,028	3/4	13,103	3/4	1,211	3/4	0	3/4	0	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/19/2019 JS
 CALCULATED: 08/19/2019 CL
 PRINTED: 08/19/2019 CL
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 08/20/19

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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BARGE "IB 1303"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-01 3/4"

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	153,842	0	144,494	0	134,202	0	123,910	0	113,619	0	103,327	0	93,035	0	82,743	0	72,452	0
1/4	1/4	153,784	1/4	144,219	1/4	133,985	1/4	123,696	1/4	113,404	1/4	103,112	1/4	92,821	1/4	82,529	1/4	72,237	1/4
1/2	1/2	153,726	1/2	144,055	1/2	133,773	1/2	123,481	1/2	113,190	1/2	102,898	1/2	92,606	1/2	82,314	1/2	71,908	1/2
3/4	3/4	153,668	3/4	143,851	3/4	133,559	3/4	123,267	3/4	112,975	3/4	102,684	3/4	92,392	3/4	82,000	3/4	71,808	3/4
1	1	153,542	1	143,656	1	133,344	1	123,053	1	112,761	1	102,469	1	92,177	1	81,886	1	71,594	1
1/4	1/4	153,417	1/4	143,422	1/4	133,130	1/4	122,838	1/4	112,546	1/4	102,255	1/4	91,963	1/4	81,671	1/4	71,379	1/4
1/2	1/2	153,292	1/2	143,207	1/2	132,916	1/2	122,624	1/2	112,332	1/2	102,026	1/2	91,749	1/2	81,457	1/2	71,165	1/2
3/4	3/4	153,167	3/4	142,993	3/4	132,701	3/4	122,409	3/4	112,118	3/4	101,826	3/4	91,534	3/4	81,228	3/4	70,951	3/4
2	2	152,978	2	142,778	2	132,487	2	122,195	2	111,903	2	101,611	2	91,320	2	81,028	2	70,736	2
1/4	1/4	152,789	1/4	142,584	1/4	132,272	1/4	121,981	1/4	111,689	1/4	101,397	1/4	91,034	1/4	80,814	1/4	70,522	1/4
1/2	1/2	152,601	1/2	142,380	1/2	132,058	1/2	121,766	1/2	111,474	1/2	101,183	1/2	90,891	1/2	80,599	1/2	70,307	1/2
3/4	3/4	152,412	3/4	142,185	3/4	131,843	3/4	121,552	3/4	111,260	3/4	100,968	3/4	90,677	3/4	80,385	3/4	70,093	3/4
3	3	152,201	3	141,921	3	131,629	3	121,337	3	111,046	3	100,754	3	90,462	3	80,170	3	69,879	3
1/4	1/4	151,990	1/4	141,706	1/4	131,415	1/4	121,123	1/4	110,831	1/4	100,539	1/4	90,248	1/4	80,033	1/4	69,664	1/4
1/2	1/2	151,778	1/2	141,492	1/2	131,200	1/2	120,908	1/2	110,617	1/2	100,325	1/2	90,033	1/2	79,742	1/2	69,450	1/2
3/4	3/4	151,567	3/4	141,278	3/4	130,986	3/4	120,694	3/4	110,402	3/4	100,111	3/4	89,819	3/4	79,527	3/4	69,235	3/4
4	4	151,353	4	141,063	4	130,771	4	120,480	4	110,186	4	99,896	4	89,604	4	79,313	4	69,021	4
1/4	1/4	151,139	1/4	140,849	1/4	130,557	1/4	120,265	1/4	109,974	1/4	99,682	1/4	89,390	1/4	79,098	1/4	68,802	1/4
1/2	1/2	150,925	1/2	140,634	1/2	130,343	1/2	120,051	1/2	109,759	1/2	99,467	1/2	89,176	1/2	78,884	1/2	68,592	1/2
3/4	3/4	150,711	3/4	140,420	3/4	130,128	3/4	119,836	3/4	109,545	3/4	99,253	3/4	88,961	3/4	78,669	3/4	68,378	3/4
5	5	150,497	5	140,206	5	129,914	5	119,622	5	109,330	5	98,924	5	88,747	5	78,445	5	68,163	5
1/4	1/4	150,283	1/4	139,991	1/4	129,699	1/4	119,408	1/4	109,136	1/4	98,824	1/4	88,532	1/4	78,221	1/4	67,949	1/4
1/2	1/2	150,068	1/2	139,777	1/2	129,485	1/2	119,193	1/2	108,901	1/2	98,610	1/2	88,318	1/2	78,026	1/2	67,734	1/2
3/4	3/4	149,854	3/4	139,562	3/4	129,271	3/4	118,979	3/4	108,687	3/4	98,395	3/4	88,104	3/4	77,812	3/4	67,520	3/4
6	6	149,640	6	139,348	6	129,056	6	118,764	6	108,473	6	98,181	6	87,889	6	77,597	6	67,306	6
1/4	1/4	149,425	1/4	139,133	1/4	128,842	1/4	118,550	1/4	108,258	1/4	97,966	1/4	87,675	1/4	77,383	1/4	67,091	1/4
1/2	1/2	149,211	1/2	138,919	1/2	128,627	1/2	118,336	1/2	108,044	1/2	97,752	1/2	87,460	1/2	77,169	1/2	66,877	1/2
3/4	3/4	148,996	3/4	138,705	3/4	128,413	3/4	118,121	3/4	107,829	3/4	97,538	3/4	87,246	3/4	76,954	3/4	66,662	3/4
7	7	148,782	7	138,490	7	128,198	7	117,907	7	107,615	7	97,323	7	87,032	7	76,740	7	66,448	7
1/4	1/4	148,568	1/4	138,276	1/4	127,984	1/4	117,692	1/4	107,401	1/4	97,109	1/4	86,817	1/4	76,526	1/4	66,234	1/4
1/2	1/2	148,353	1/2	138,062	1/2	127,770	1/2	117,478	1/2	107,186	1/2	96,894	1/2	86,603	1/2	76,311	1/2	66,019	1/2
3/4	3/4	148,139	3/4	137,847	3/4	127,555	3/4	117,264	3/4	106,972	3/4	96,680	3/4	86,388	3/4	76,097	3/4	65,805	3/4
8	8	147,924	8	137,633	8	127,341	8	117,049	8	106,757	8	96,466	8	86,174	8	75,882	8	65,590	8
1/4	1/4	147,710	1/4	137,418	1/4	127,126	1/4	116,835	1/4	106,545	1/4	96,251	1/4	85,959	1/4	75,668	1/4	65,376	1/4
1/2	1/2	147,495	1/2	137,204	1/2	126,912	1/2	116,620	1/2	106,329	1/2	96,037	1/2	85,745	1/2	75,453	1/2	65,162	1/2
3/4	3/4	147,281	3/4	136,989	3/4	126,698	3/4	116,406	3/4	106,114	3/4	95,822	3/4	85,531	3/4	75,239	3/4	64,947	3/4
9	9	147,067	9	136,775	9	126,483	9	116,191	9	105,900	9	95,608	9	85,316	9	75,024	9	64,733	9
1/4	1/4	146,852	1/4	136,561	1/4	126,269	1/4	115,977	1/4	105,685	1/4	95,394	1/4	85,102	1/4	74,810	1/4	64,518	1/4
1/2	1/2	146,638	1/2	136,346	1/2	126,054	1/2	115,763	1/2	105,471	1/2	95,179	1/2	84,887	1/2	74,596	1/2	64,304	1/2
3/4	3/4	146,423	3/4	136,132	3/4	125,840	3/4	115,548	3/4	105,256	3/4	94,965	3/4	84,673	3/4	74,381	3/4	64,089	3/4
10	10	146,209	10	135,917	10	125,626	10	115,334	10	105,042	10	94,750	10	84,459	10	74,167	10	63,875	10
1/4	1/4	145,995	1/4	135,703	1/4	125,411	1/4	115,119	1/4	104,828	1/4	94,536	1/4	84,244	1/4	73,952	1/4	63,661	1/4
1/2	1/2	145,780	1/2	135,488	1/2	125,197	1/2	114,905	1/2	104,613	1/2	94,321	1/2	84,030	1/2	73,738	1/2	63,446	1/2
3/4	3/4	145,566	3/4	135,274	3/4	124,982	3/4	114,691	3/4	104,399	3/4	94,107	3/4	83,815	3/4	73,524	3/4	63,232	3/4
11	11	145,351	11	135,060	11	124,768	11	114,476	11	104,184	11	93,893	11	83,601	11	73,309	11	63,017	11
1/4	1/4	145,137	1/4	134,845	1/4	124,553	1/4	114,262	1/4	103,970	1/4	93,678	1/4	83,387	1/4	73,095	1/4	62,803	1/4
1/2	1/2	144,923	1/2	134,631	1/2	124,339	1/2	114,047	1/2	103,756	1/2	93,464	1/2	83,174	1/2	72,880	1/2	62,589	1/2
3/4	3/4	144,708	3/4	134,416	3/4	124,125	3/4	113,833	3/4	103,541	3/4	93,249	3/4	82,958	3/4	72,666	3/4	62,374	3/4

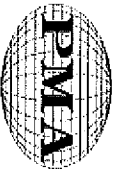
CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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
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BARGE "IB 1303"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-01 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	62,160	0	51,888	0	41,576	0	31,335	0	21,246	0	10,955	0	772	0	0	0	0	0	0
1/4	61,945	1/4	51,654	1/4	41,362	1/4	31,127	1/4	21,032	1/4	10,741	1/4	625	1/4	1/4	1/4	1/4	1/4	1/4
1/2	61,731	1/2	51,439	1/2	41,147	1/2	30,918	1/2	20,818	1/2	10,526	1/2	478	1/2	1/2	1/2	1/2	1/2	1/2
3/4	61,517	3/4	51,225	3/4	40,933	3/4	30,710	3/4	20,603	3/4	10,312	3/4	331	3/4	3/4	3/4	3/4	3/4	3/4
1	61,302	1	51,010	1	40,719	1	30,502	1	20,389	1	10,098	1	267	1	1	1	1	1	1
1/4	61,088	1/4	50,796	1/4	40,504	1/4	30,294	1/4	20,174	1/4	9,883	1/4	202	1/4	1/4	1/4	1/4	1/4	1/4
1/2	60,873	1/2	50,582	1/2	40,290	1/2	30,086	1/2	19,960	1/2	9,669	1/2	138	1/2	1/2	1/2	1/2	1/2	1/2
3/4	60,659	3/4	50,367	3/4	40,075	3/4	29,878	3/4	19,746	3/4	9,454	3/4	74	3/4	3/4	3/4	3/4	3/4	3/4
2	60,445	2	50,153	2	39,861	2	29,660	2	19,531	2	9,240	2	2	2	2	2	2	2	2
1/4	60,230	1/4	49,938	1/4	39,647	1/4	29,462	1/4	19,317	1/4	9,026	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	60,016	1/2	49,724	1/2	39,432	1/2	29,253	1/2	19,102	1/2	8,811	1/2	811	1/2	1/2	1/2	1/2	1/2	1/2
3/4	59,801	3/4	49,510	3/4	39,218	3/4	29,045	3/4	18,888	3/4	8,597	3/4	331	3/4	3/4	3/4	3/4	3/4	3/4
3	59,587	3	49,295	3	39,003	3	28,837	3	18,674	3	8,382	3	3	3	3	3	3	3	3
1/4	59,372	1/4	49,081	1/4	38,789	1/4	28,629	1/4	18,459	1/4	8,168	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	59,158	1/2	48,866	1/2	38,575	1/2	28,421	1/2	18,245	1/2	7,953	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	58,944	3/4	48,652	3/4	38,360	3/4	28,213	3/4	18,030	3/4	7,739	3/4	1/4	3/4	3/4	3/4	3/4	3/4	3/4
4	58,729	4	48,437	4	38,146	4	28,005	4	17,816	4	7,525	4	4	4	4	4	4	4	4
1/4	58,515	1/4	48,223	1/4	37,931	1/4	27,797	1/4	17,602	1/4	7,310	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	58,300	1/2	48,009	1/2	37,717	1/2	27,589	1/2	17,387	1/2	7,096	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	58,086	3/4	47,794	3/4	37,502	3/4	27,380	3/4	17,173	3/4	6,881	3/4	1/4	3/4	3/4	3/4	3/4	3/4	3/4
5	57,872	5	47,580	5	37,288	5	27,172	5	16,958	5	6,667	5	5	5	5	5	5	5	5
1/4	57,657	1/4	47,365	1/4	37,074	1/4	26,964	1/4	16,744	1/4	6,453	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	57,443	1/2	47,151	1/2	36,859	1/2	26,756	1/2	16,530	1/2	6,238	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	57,228	3/4	46,937	3/4	36,645	3/4	26,548	3/4	16,315	3/4	6,024	3/4	1/4	3/4	3/4	3/4	3/4	3/4	3/4
6	57,014	6	46,722	6	36,430	6	26,340	6	16,101	6	5,809	6	6	6	6	6	6	6	6
1/4	56,800	1/4	46,508	1/4	36,216	1/4	26,132	1/4	15,886	1/4	5,595	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	56,585	1/2	46,293	1/2	36,002	1/2	25,924	1/2	15,672	1/2	5,381	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	56,371	3/4	46,079	3/4	35,787	3/4	25,716	3/4	15,458	3/4	5,166	3/4	1/4	3/4	3/4	3/4	3/4	3/4	3/4
7	56,156	7	45,865	7	35,573	7	25,508	7	15,243	7	4,952	7	7	7	7	7	7	7	7
1/4	55,942	1/4	45,650	1/4	35,358	1/4	25,300	1/4	15,029	1/4	4,737	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	55,727	1/2	45,436	1/2	35,144	1/2	25,093	1/2	14,814	1/2	4,523	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	55,513	3/4	45,221	3/4	34,930	3/4	24,885	3/4	14,600	3/4	4,309	3/4	1/4	3/4	3/4	3/4	3/4	3/4	3/4
8	55,299	8	45,007	8	34,715	8	24,672	8	14,386	8	4,094	8	8	8	8	8	8	8	8
1/4	55,084	1/4	44,792	1/4	34,501	1/4	24,459	1/4	14,171	1/4	3,880	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	54,870	1/2	44,578	1/2	34,286	1/2	24,246	1/2	13,957	1/2	3,665	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	54,655	3/4	44,364	3/4	34,072	3/4	24,034	3/4	13,742	3/4	3,451	3/4	1/4	3/4	3/4	3/4	3/4	3/4	3/4
9	54,441	9	44,149	9	33,858	9	23,819	9	13,528	9	3,237	9	9	9	9	9	9	9	9
1/4	54,227	1/4	43,935	1/4	33,643	1/4	23,605	1/4	13,314	1/4	3,023	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	54,012	1/2	43,720	1/2	33,429	1/2	23,390	1/2	13,099	1/2	2,808	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	53,798	3/4	43,506	3/4	33,214	3/4	23,176	3/4	12,885	3/4	2,594	3/4	1/4	3/4	3/4	3/4	3/4	3/4	3/4
10	53,583	10	43,292	10	33,005	10	22,962	10	12,670	10	2,381	10	10	10	10	10	10	10	10
1/4	53,369	1/4	43,077	1/4	32,795	1/4	22,747	1/4	12,456	1/4	2,167	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	53,155	1/2	42,863	1/2	32,585	1/2	22,533	1/2	12,242	1/2	1,953	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	52,940	3/4	42,648	3/4	32,375	3/4	22,318	3/4	12,027	3/4	1,740	3/4	1/4	3/4	3/4	3/4	3/4	3/4	3/4
11	52,726	11	42,434	11	32,167	11	22,104	11	11,813	11	1,535	11	11	11	11	11	11	11	11
1/4	52,511	1/4	42,220	1/4	31,959	1/4	21,890	1/4	11,598	1/4	1,330	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	52,297	1/2	42,005	1/2	31,751	1/2	21,675	1/2	11,384	1/2	1,125	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	52,082	3/4	41,791	3/4	31,543	3/4	21,461	3/4	11,170	3/4	919	3/4	1/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/19/2019 JS
 CALCULATED: 08/19/2019 CL
 PRINTED: 08/19/2019 CL
 CANCELLED AND SUPERCEDES
 ALL PRIOR TO 08/20/19

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77586
 http://www.pmacorp.net



BARGE "IB 1303"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS												GAUGE HEIGHT 16'-01 3/4"																																																			
0 FT.				1 FT.				2 FT.				3 FT.				4 FT.				5 FT.				6 FT.				7 FT.				8 FT.				9 FT.																											
IN	0	1/4	1/2	IN	0	1/4	1/2	IN	0	1/4	1/2	IN	0	1/4	1/2	IN	0	1/4	1/2	IN	0	1/4	1/2	IN	0	1/4	1/2	IN	0	1/4	1/2	IN	0	1/4	1/2	IN	0	1/4	1/2	IN	0	1/4	1/2																				
0	155,146	155,088	155,029	0	145,732	145,516	145,300	0	135,368	135,152	134,936	0	125,003	124,787	124,571	0	114,639	114,423	114,207	0	104,274	104,059	103,843	0	93,910	93,694	93,478	0	83,546	83,330	83,114	0	73,181	72,965	72,749	0	62,817	62,601	62,385	0	52,452	52,236	52,020	0	42,087	41,871	41,655	0	31,722	31,506	31,290	0	21,357	21,141	20,925	0	10,992	10,776	10,560				
1/4	155,088	154,971	154,854	1/4	145,516	145,084	144,652	1/4	135,152	134,720	134,288	1/4	124,787	124,355	123,924	1/4	114,423	113,991	113,559	1/4	104,059	103,627	103,195	1/4	93,694	93,262	92,830	1/4	83,330	82,898	82,466	1/4	73,114	72,682	72,250	1/4	62,898	62,466	62,034	1/4	52,682	52,250	51,818	1/4	42,466	42,034	41,602	1/4	32,250	31,818	31,386	1/4	22,034	21,602	21,170	1/4	11,818	11,386	10,954	1/4	1,602	1,170	738
1/2	154,971	154,854	154,737	1/2	144,652	144,220	143,784	1/2	134,288	133,856	133,424	1/2	123,924	123,492	123,060	1/2	113,559	113,127	112,695	1/2	103,195	102,763	102,331	1/2	92,830	92,398	91,966	1/2	82,466	82,034	81,602	1/2	72,102	71,670	71,238	1/2	61,738	61,306	60,874	1/2	51,374	50,942	50,510	1/2	41,010	40,578	40,146	1/2	30,646	30,214	29,782	1/2	20,282	19,850	19,418	1/2	9,918	9,486	9,054				
3/4	154,854	154,737	154,620	3/4	144,220	143,784	143,348	3/4	133,856	133,420	132,984	3/4	123,492	123,056	122,620	3/4	113,127	112,691	112,255	3/4	102,763	102,327	101,891	3/4	92,398	91,962	91,526	3/4	82,034	81,598	81,162	3/4	71,670	71,234	70,798	3/4	61,306	60,870	60,434	3/4	50,942	50,506	50,070	3/4	40,578	40,142	39,706	3/4	30,214	29,778	29,342	3/4	19,850	19,414	18,978	3/4	9,500	9,064	8,628				
1	154,737	154,620	154,503	1	143,784	143,348	142,912	1	132,984	132,548	132,112	1	122,620	122,184	121,748	1	112,255	111,819	111,383	1	101,891	101,455	101,019	1	91,526	91,090	90,654	1	81,162	80,726	80,290	1	70,822	70,386	69,950	1	60,434	60,000	59,564	1	50,070	49,634	49,198	1	39,706	39,270	38,834	1	29,342	28,906	28,470	1	18,978	18,542	18,106								
1 1/4	154,620	154,503	154,386	1 1/4	142,912	142,476	142,040	1 1/4	132,112	131,676	131,240	1 1/4	121,748	121,312	120,876	1 1/4	111,383	110,947	110,511	1 1/4	101,019	100,583	100,147	1 1/4	90,654	90,218	89,782	1 1/4	80,290	79,854	79,418	1 1/4	69,854	69,418	68,982	1 1/4	59,418	58,982	58,546	1 1/4	48,982	48,546	48,110	1 1/4	38,546	38,110	37,674	1 1/4	28,110	27,674	27,238												
1 1/2	154,503	154,386	154,269	1 1/2	142,040	141,604	141,168	1 1/2	131,240	130,804	130,368	1 1/2	120,876	120,440	120,004	1 1/2	110,511	110,075	109,639	1 1/2	100,147	99,711	99,275	1 1/2	89,782	89,346	88,910	1 1/2	79,418	78,982	78,546	1 1/2	69,054	68,618	68,182	1 1/2	58,618	58,182	57,746	1 1/2	48,182	47,746	47,310	1 1/2	37,746	37,310	36,874																
1 3/4	154,386	154,269	154,152	1 3/4	141,168	140,732	140,296	1 3/4	130,368	129,932	129,496	1 3/4	120,004	119,568	119,132	1 3/4	109,639	109,203	108,767	1 3/4	99,275	98,839	98,403	1 3/4	88,910	88,474	88,038	1 3/4	78,546	78,110	77,674	1 3/4	68,182	67,746	67,310	1 3/4	57,746	57,310	56,874	1 3/4	47,310	46,874	46,438																				
2	154,269	154,152	154,035	2	140,296	139,860	139,424	2	129,496	129,060	128,624	2	119,132	118,696	118,260	2	108,767	108,331	107,895	2	98,403	97,967	97,531	2	88,038	87,602	87,166	2	77,674	77,238	76,802	2	67,310	66,874	66,438	2	56,874	56,438	56,002	2	46,438	46,002	45,566																				
2 1/4	154,152	154,035	153,918	2 1/4	139,424	138,988	138,552	2 1/4	128,624	128,188	127,752	2 1/4	118,260	117,824	117,388	2 1/4	107,895	107,459	107,023	2 1/4	97,531	97,095	96,659	2 1/4	87,166	86,730	86,294	2 1/4	76,802	76,366	75,930	2 1/4	66,438	66,002	65,566	2 1/4	56,002	55,566	55,130																								
2 1/2	154,035	153,918	153,801	2 1/2	138,552	138,116	137,680	2 1/2	127,752	127,316	126,880	2 1/2	117,388	116,952	116,516	2 1/2	107,023	106,587	106,151	2 1/2	96,659	96,223	95,787	2 1/2	86,294	85,858	85,422	2 1/2	75,930	75,494	75,058	2 1/2	65,566	65,130	64,694	2 1/2	55,130	54,694	54,258																								
2 3/4	153,918	153,801	153,684	2 3/4	137,680	137,244	136,808	2 3/4	126,880	126,444	126,008	2 3/4	116,516	116,080	115,644	2 3/4	106,151	105,715	105,279	2 3/4	95,787	95,351	94,915	2 3/4	85,422	84,986	84,550	2 3/4	75,058	74,622	74,186	2 3/4	64,694	64,258	63,822	2 3/4	54,258	53,822	53,386																								
3	153,801	153,684	153,567	3	136,808	136,372	135,936	3	126,008	125,572	125,136	3	115,644	115,208	114,772	3	105,279	104,843	104,407	3	94,915	94,479	94,043	3	84,550	84,114	83,678	3	74,186	73,750	73,314	3	63,822	63,386	62,950	3	53,386	52,950	52,514																								
3 1/4	153,684	153,567	153,450	3 1/4	135,936	135,500	135,064	3 1/4	125,136	124,700	124,264	3 1/4	114,772	114,336	113,900	3 1/4	104,407	103,971	103,535	3 1/4	94,043	93,607	93,171	3 1/4	83,678	83,242	82,806	3 1/4	73,314	72,878	72,442	3 1/4	62,950	62,514	62,078	3 1/4	52,514	52,078	51,642																								
3 1/2	153,567	153,450	153,333	3 1/2	135,064	134,628	134,192	3 1/2	124,264	123,828	123,392	3 1/2	113,900	113,464	113,028	3 1/2	103,535	103,100	102,664	3 1/2	93,171	92,735	92,299	3 1/2	82,806	82,370	81,934	3 1/2	72,442	72,006	71,570	3 1/2	62,078	61,642	61,206	3 1/2	51,642	51,206	50,770																								
3 3/4	153,450	153,333	153,216	3 3/4	134,192	133,756	133,320	3 3/4	123,392	122,956	122,520	3 3/4	113,028	112,592	112,156	3 3/4	102,664	102,228	101,792	3 3/4	92,299	91,863	91,427	3 3/4	81,934	81,498	81,062	3 3/4	71,570	71,134	70,698	3 3/4	61,206	60,770	60,334	3 3/4	50,770	50,334	49,898																								
4	153,333	153,216	153,100	4	133,320	132,884	132,448	4	122,520	122,084	121,648	4	112,156	111,720	111,284	4	101,792	101,356	100,920	4	91,427	90,991	90,555	4	81,062	80,626	80,190	4	70,698	70,262	69,826	4	60,334	59,898	59,462	4	49,898	49,462	49,026																								
4 1/4	153,216	153,100	152,983	4 1/4	132,448	132,012	131,576	4 1/4	121,648	121,212	120,776	4 1/4	111,284	110,848	110,412	4 1/4	100,920	100,484	100,048	4 1/4	90,555	90,119	89,683	4 1/4	80,190	79,754	79,318	4 1/4	69,826	69,390	68,954	4 1/4	59,462	59,026	58,590																												
4 1/2	153,100	152,983	152,866	4 1/2	131,576	131,140	130,704	4 1/2	120,776	120,340	119,904	4 1/2	110,412	109,976	109,540	4 1/2	100,048	99,612	99,176	4 1/2	89,683	89,247	88,811	4 1/2	79,318	78,882	78,446	4 1/2	68,954	68,518	68,082	4 1/2	58,590	58,154	57,718																												
4 3/4	152,983	152,866	152,750	4 3/4	130,704	130,268	129,832	4 3/4	119,904	119,468	119,032	4 3/4	109,540	109,104	108,668	4 3/4	99,176	98,740	98,304	4 3/4	88,811	88,375	87,939	4 3/4	78,446	78,010	77,574	4 3/4	68,082	67,646	67,210	4 3/4	57,718	57,282	56,846																												
5	152,866	152,750	152,633	5	129,832	129,396	128,960	5	119,032	118,596	118,160	5	108,668	108,232	107,796	5	98,304	97,868	97,432	5	87,939	87,503	87,067	5	77,574	77,138	76,702	5	67,210	66,774	66,338	5	56,846	56,410	55,974																												
5 1/4	152,750	152,633	152,516	5 1/4	128,960	128,524	128,088	5 1/4	118,160	117,724	117,288	5 1/4	107,796	107,360	106,924	5 1/4	97,432	96,996	96,560	5 1/4	87,067	86,631	86,195	5 1/4	76,702	76,266	75,830	5 1/4	66,338	65,902	65,466	5 1/4	55,974	55,538	55,102																												
5 1/2	152,633	152,516	152,400	5 1/2	128,088	127,652	127,216	5 1/2	117,288	116,852	116,416	5 1/2	106,924	106,488	106,052	5 1/2	96,560	96,124	95,688	5 1/2	86,195	85,759	85,323	5 1/2	75,830	75,394	74,958	5 1/2	65,466	65,030	64,594	5 1/2	55,102	54,666	54,230																												
5 3/4	152,516	152,400	152,283	5 3/4	127,216	126,780	126,344	5 3/4	116,416	115,980	115,544	5 3/4	106,052	105,616	105,180	5 3/4	95,688	95,252	94,816	5 3/4	85,323	84,887	84,451	5 3/4	74,958	74,522	74																																				



BARGE "1B 1303"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-01 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	62,817	0	52,452	0	42,088	0	31,729	0	21,396	0	11,032	0	777	0		0			
1/4	62,601	1/4	52,237	1/4	41,872	1/4	31,514	1/4	21,180	1/4	10,816	1/4	629	1/4		1/4			
1/2	62,385	1/2	52,021	1/2	41,656	1/2	31,298	1/2	20,964	1/2	10,600	1/2	481	1/2		1/2			
3/4	62,169	3/4	51,805	3/4	41,440	3/4	31,084	3/4	20,748	3/4	10,384	3/4	333	3/4		3/4			
1	61,953	1	51,589	1	41,224	1	30,869	1	20,532	1	10,169	1	268	1		1			
1 1/4	61,737	1 1/4	51,373	1 1/4	41,008	1 1/4	30,655	1 1/4	20,317	1 1/4	9,953	1 1/4	204	1 1/4		1 1/4			
1 1/2	61,521	1 1/2	51,157	1 1/2	40,793	1 1/2	30,440	1 1/2	20,101	1 1/2	9,737	1 1/2	139	1 1/2		1 1/2			
1 3/4	61,305	1 3/4	50,941	1 3/4	40,577	1 3/4	30,225	1 3/4	19,885	1 3/4	9,521	1 3/4	74	1 3/4		1 3/4			
2	61,089	2	50,725	2	40,361	2	30,010	2	19,669	2	9,305	2		2		2			
1/4	60,874	1/4	50,509	1/4	40,145	1/4	29,795	1/4	19,453	1/4	9,089	1/4		1/4		1/4			
1/2	60,658	1/2	50,293	1/2	39,929	1/2	29,580	1/2	19,237	1/2	8,873	1/2		1/2		1/2			
3/4	60,442	3/4	50,077	3/4	39,713	3/4	29,365	3/4	19,021	3/4	8,657	3/4		3/4		3/4			
3	60,226	3	49,861	3	39,497	3	29,150	3	18,805	3	8,441	3		3		3			
1/4	60,010	1/4	49,645	1/4	39,281	1/4	28,935	1/4	18,589	1/4	8,225	1/4		1/4		1/4			
1/2	59,794	1/2	49,430	1/2	39,065	1/2	28,720	1/2	18,373	1/2	8,009	1/2		1/2		1/2			
3/4	59,578	3/4	49,214	3/4	38,849	3/4	28,505	3/4	18,157	3/4	7,793	3/4		3/4		3/4			
4	59,362	4	48,998	4	38,633	4	28,290	4	17,942	4	7,578	4		4		4			
1/4	59,146	1/4	48,782	1/4	38,417	1/4	28,075	1/4	17,726	1/4	7,362	1/4		1/4		1/4			
1/2	58,930	1/2	48,566	1/2	38,201	1/2	27,860	1/2	17,510	1/2	7,146	1/2		1/2		1/2			
3/4	58,714	3/4	48,350	3/4	37,985	3/4	27,645	3/4	17,294	3/4	6,930	3/4		3/4		3/4			
5	58,498	5	48,134	5	37,770	5	27,430	5	17,078	5	6,714	5		5		5			
1/4	58,282	1/4	47,918	1/4	37,554	1/4	27,215	1/4	16,862	1/4	6,498	1/4		1/4		1/4			
1/2	58,067	1/2	47,702	1/2	37,338	1/2	27,000	1/2	16,646	1/2	6,282	1/2		1/2		1/2			
3/4	57,851	3/4	47,486	3/4	37,122	3/4	26,785	3/4	16,430	3/4	6,066	3/4		3/4		3/4			
6	57,635	6	47,270	6	36,906	6	26,570	6	16,214	6	5,850	6		6		6			
1/4	57,419	1/4	47,054	1/4	36,690	1/4	26,355	1/4	15,998	1/4	5,634	1/4		1/4		1/4			
1/2	57,203	1/2	46,838	1/2	36,474	1/2	26,141	1/2	15,782	1/2	5,418	1/2		1/2		1/2			
3/4	56,987	3/4	46,622	3/4	36,258	3/4	25,926	3/4	15,566	3/4	5,202	3/4		3/4		3/4			
7	56,771	7	46,407	7	36,042	7	25,711	7	15,351	7	4,987	7		7		7			
1/4	56,555	1/4	46,191	1/4	35,826	1/4	25,496	1/4	15,135	1/4	4,771	1/4		1/4		1/4			
1/2	56,339	1/2	45,975	1/2	35,610	1/2	25,281	1/2	14,919	1/2	4,555	1/2		1/2		1/2			
3/4	56,123	3/4	45,759	3/4	35,394	3/4	25,066	3/4	14,703	3/4	4,339	3/4		3/4		3/4			
8	55,907	8	45,543	8	35,178	8	24,850	8	14,487	8	4,123	8		8		8			
1/4	55,691	1/4	45,327	1/4	34,963	1/4	24,634	1/4	14,271	1/4	3,907	1/4		1/4		1/4			
1/2	55,475	1/2	45,111	1/2	34,747	1/2	24,419	1/2	14,055	1/2	3,691	1/2		1/2		1/2			
3/4	55,259	3/4	44,895	3/4	34,531	3/4	24,203	3/4	13,839	3/4	3,475	3/4		3/4		3/4			
9	55,044	9	44,679	9	34,315	9	23,987	9	13,623	9	3,259	9		9		9			
1/4	54,828	1/4	44,463	1/4	34,099	1/4	23,771	1/4	13,407	1/4	3,044	1/4		1/4		1/4			
1/2	54,612	1/2	44,247	1/2	33,883	1/2	23,555	1/2	13,191	1/2	2,828	1/2		1/2		1/2			
3/4	54,396	3/4	44,031	3/4	33,667	3/4	23,339	3/4	12,975	3/4	2,612	3/4		3/4		3/4			
10	54,180	10	43,815	10	33,452	10	23,123	10	12,760	10	2,397	10		10		10			
1/4	53,964	1/4	43,600	1/4	33,236	1/4	22,908	1/4	12,544	1/4	2,182	1/4		1/4		1/4			
1/2	53,748	1/2	43,384	1/2	33,021	1/2	22,692	1/2	12,328	1/2	1,967	1/2		1/2		1/2			
3/4	53,532	3/4	43,168	3/4	32,805	3/4	22,476	3/4	12,112	3/4	1,752	3/4		3/4		3/4			
11	53,316	11	42,952	11	32,590	11	22,260	11	11,896	11	1,545	11		11		11			
1 1/4	53,100	1 1/4	42,736	1 1/4	32,375	1 1/4	22,044	1 1/4	11,680	1 1/4	1,339	1 1/4		1 1/4		1 1/4			
1 1/2	52,884	1 1/2	42,520	1 1/2	32,160	1 1/2	21,828	1 1/2	11,464	1 1/2	1,132	1 1/2		1 1/2		1 1/2			
3/4	52,668	3/4	42,304	3/4	31,944	3/4	21,612	3/4	11,248	3/4	926	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/19/2019 JS
 CALCULATED: 08/19/2019 CL
 PRINTED: 08/19/2019 CL
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 08/20/19

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