

6/11/09



BARGE "IB 1912" 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	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
2 CENTER	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2
3 CENTER	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8

(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 - 00-1/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 CENTER, THE TRIM CORRECTED ULLAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 176'-09"

June 8, 2019

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



BARGE IB 1912"

1 CENTL ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-02 1/2"

IN	0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.
0	0	160,880	153,098	144,731	136,363	127,996	117,161	104,230	91,301	78,368
1/4	1/4	160,790	152,924	144,556	136,189	127,822	116,891	103,960	91,031	78,098
1/2	1/2	160,700	152,749	144,382	136,015	127,648	116,622	103,691	90,762	77,829
3/4	3/4	160,610	152,575	144,208	135,840	127,473	116,352	103,422	90,492	77,560
1	1	160,531	152,401	144,033	135,666	127,299	116,083	103,153	90,223	77,290
1 1/4	1 1/4	160,447	152,226	143,859	135,492	127,125	115,813	102,883	89,954	77,021
1 1/2	1 1/2	160,362	152,052	143,685	135,318	126,950	115,544	102,614	89,684	76,751
3 1/4	3 1/4	160,201	151,878	143,510	135,143	126,776	115,274	102,345	89,415	76,482
1 3/4	1 3/4	160,039	151,703	143,336	134,969	126,602	115,005	102,076	89,145	76,212
2	2	159,878	151,529	143,162	134,795	126,427	114,736	101,806	88,876	75,943
1 1/4	1 1/4	159,716	151,355	142,987	134,620	126,253	114,466	101,537	88,606	75,674
3 1/4	3 1/4	159,543	151,180	142,813	134,446	126,079	114,197	101,268	88,337	75,404
3	3	159,370	151,006	142,639	134,272	125,904	113,927	100,999	88,068	75,135
1 1/4	1 1/4	159,197	150,832	142,465	134,097	125,730	113,658	100,729	87,798	74,865
1 1/2	1 1/2	159,024	150,657	142,290	133,923	125,556	113,388	100,460	87,529	74,596
3 1/4	3 1/4	158,850	150,483	142,116	133,749	125,382	113,119	100,191	87,259	74,326
4	4	158,676	150,309	141,942	133,574	125,208	112,850	99,922	86,990	74,057
1 1/4	1 1/4	158,502	150,135	141,767	133,400	125,035	112,580	99,652	86,720	73,787
1 1/2	1 1/2	158,327	149,960	141,593	133,226	124,861	112,311	99,383	86,451	73,518
3 1/4	3 1/4	158,153	149,786	141,419	133,051	124,687	112,041	99,114	86,182	73,249
5	5	157,979	149,612	141,244	132,877	124,513	111,772	98,845	85,912	72,980
1 1/4	1 1/4	157,805	149,437	141,070	132,703	124,340	111,502	98,575	85,643	72,712
1 1/2	1 1/2	157,630	149,263	140,896	132,528	124,166	111,233	98,306	85,373	72,443
3 1/4	3 1/4	157,456	149,089	140,721	132,354	123,992	110,964	98,037	85,104	72,174
6	6	157,282	148,914	140,547	132,180	123,818	110,694	97,767	84,834	71,905
1 1/4	1 1/4	157,107	148,740	140,373	132,005	123,644	110,425	97,498	84,565	71,636
1 1/2	1 1/2	156,933	148,566	140,200	131,831	123,470	110,155	97,228	84,295	71,367
3 1/4	3 1/4	156,759	148,391	140,024	131,657	123,296	109,886	96,959	84,026	71,099
7	7	156,584	148,217	139,850	131,483	123,122	109,616	96,689	83,757	70,830
1 1/4	1 1/4	156,410	148,043	139,675	131,308	122,948	109,347	96,420	83,487	70,561
1 1/2	1 1/2	156,236	147,868	139,501	131,134	122,774	109,077	96,151	83,218	70,292
3 1/4	3 1/4	156,061	147,694	139,327	130,960	122,600	108,808	95,881	82,948	70,023
8	8	155,887	147,520	139,152	130,785	122,426	108,539	95,612	82,679	69,754
1 1/4	1 1/4	155,713	147,345	138,978	130,611	122,252	108,269	95,342	82,409	69,485
1 1/2	1 1/2	155,538	147,171	138,804	130,437	122,078	108,000	95,073	82,140	69,217
3 1/4	3 1/4	155,364	146,997	138,630	130,262	121,904	107,730	94,803	81,871	68,948
9	9	155,190	146,822	138,455	130,088	121,730	107,461	94,534	81,601	68,679
1 1/4	1 1/4	155,015	146,648	138,281	129,914	121,556	107,191	94,265	81,332	68,410
1 1/2	1 1/2	154,841	146,474	138,107	129,739	121,382	106,922	93,995	81,062	68,141
3 1/4	3 1/4	154,667	146,300	137,932	129,565	121,208	106,653	93,726	80,793	67,873
10	10	154,492	146,125	137,758	129,391	121,034	106,383	93,456	80,524	67,604
1 1/4	1 1/4	154,318	145,951	137,584	129,216	120,860	106,114	93,187	80,254	67,335
1 1/2	1 1/2	154,144	145,777	137,409	129,042	120,686	105,845	92,917	79,984	67,066
3 1/4	3 1/4	153,970	145,602	137,235	128,868	120,512	105,576	92,648	79,715	66,797
11	11	153,795	145,428	137,061	128,693	120,338	105,306	92,379	79,446	66,528
1 1/4	1 1/4	153,621	145,254	136,886	128,519	120,164	105,037	92,109	79,176	66,260
1 1/2	1 1/2	153,447	145,079	136,712	128,345	120,000	104,768	91,840	78,907	65,991
3 1/4	3 1/4	153,272	144,905	136,538	128,170	119,826	104,499	91,570	78,637	65,722

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH IMPMS 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 31'-03" FORWARD OF AFT BULKHEAD

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE IB 1912"

1 CENTL. ULLAGE TABLE

CAPACITIES GIVEN IN WHOI. GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	65,453	0	52,531	0	39,636	0	26,943	0	14,007	0	1,196	0	0	0	0	0	0	0	0
1/4	65,184	1/4	52,262	1/4	39,371	1/4	26,673	1/4	13,738	1/4	971	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	64,915	1/2	51,992	1/2	39,107	1/2	26,404	1/2	13,468	1/2	746	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	64,647	3/4	51,723	3/4	38,845	3/4	26,135	3/4	13,199	3/4	611	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	64,378	1	51,454	1	38,583	1	25,865	1	12,929	1	476	1	1	1	1	1	1	1	1
1/4	64,109	1/4	51,185	1/4	38,321	1/4	25,596	1/4	12,660	1/4	341	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	63,840	1/2	50,915	1/2	38,058	1/2	25,326	1/2	12,390	1/2	206	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	63,571	3/4	50,646	3/4	37,796	3/4	25,057	3/4	12,121	3/4	161	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	63,302	2	50,377	2	37,534	2	24,787	2	11,851	2	116	2	2	2	2	2	2	2	2
1/4	63,034	1/4	50,107	1/4	37,272	1/4	24,518	1/4	11,582	1/4	71	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	62,765	1/2	49,838	1/2	37,010	1/2	24,248	1/2	11,312	1/2	26	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	62,495	3/4	49,569	3/4	36,747	3/4	23,979	3/4	11,043	3/4	26	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	62,226	3	49,299	3	36,485	3	23,709	3	10,773	3	3	3	3	3	3	3	3	3	3
1/4	61,957	1/4	49,030	1/4	36,223	1/4	23,440	1/4	10,504	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	61,687	1/2	48,761	1/2	35,961	1/2	23,170	1/2	10,234	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	61,418	3/4	48,491	3/4	35,698	3/4	22,901	3/4	9,964	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	61,149	4	48,222	4	35,436	4	22,631	4	9,695	4	4	4	4	4	4	4	4	4	4
1/4	60,880	1/4	47,953	1/4	35,174	1/4	22,362	1/4	9,425	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	60,610	1/2	47,684	1/2	34,912	1/2	22,092	1/2	9,155	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	60,341	3/4	47,414	3/4	34,649	3/4	21,823	3/4	8,885	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	60,072	5	47,145	5	34,387	5	21,553	5	8,615	5	5	5	5	5	5	5	5	5	5
1/4	59,802	1/4	46,876	1/4	34,125	1/4	21,284	1/4	8,346	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	59,533	1/2	46,606	1/2	33,863	1/2	21,014	1/2	8,076	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	59,264	3/4	46,337	3/4	33,601	3/4	20,745	3/4	7,806	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	58,994	6	46,068	6	33,338	6	20,475	6	7,537	6	6	6	6	6	6	6	6	6	6
1/4	58,725	1/4	45,798	1/4	33,076	1/4	20,206	1/4	7,267	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	58,456	1/2	45,529	1/2	32,814	1/2	19,936	1/2	6,998	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	58,186	3/4	45,260	3/4	32,552	3/4	19,667	3/4	6,728	3/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
7	57,917	7	44,990	7	32,289	7	19,397	7	6,459	7	7	7	7	7	7	7	7	7	7
1/4	57,648	1/4	44,721	1/4	32,027	1/4	19,128	1/4	6,189	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	57,379	1/2	44,452	1/2	31,765	1/2	18,858	1/2	5,920	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	57,109	3/4	44,183	3/4	31,503	3/4	18,589	3/4	5,651	3/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
8	56,840	8	43,913	8	31,240	8	18,319	8	5,381	8	8	8	8	8	8	8	8	8	8
1/4	56,571	1/4	43,644	1/4	30,978	1/4	18,050	1/4	5,112	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	56,301	1/2	43,375	1/2	30,716	1/2	17,780	1/2	4,843	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	56,032	3/4	43,105	3/4	30,446	3/4	17,511	3/4	4,575	3/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
9	55,763	9	42,836	9	30,177	9	17,241	9	4,306	9	9	9	9	9	9	9	9	9	9
1/4	55,493	1/4	42,567	1/4	29,907	1/4	16,972	1/4	4,038	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	55,224	1/2	42,297	1/2	29,638	1/2	16,702	1/2	3,770	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	54,955	3/4	42,028	3/4	29,368	3/4	16,433	3/4	3,503	3/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
10	54,685	10	41,759	10	29,099	10	16,163	10	3,236	10	10	10	10	10	10	10	10	10	10
1/4	54,416	1/4	41,489	1/4	28,829	1/4	15,894	1/4	2,969	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	54,147	1/2	41,220	1/2	28,560	1/2	15,624	1/2	2,702	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	53,878	3/4	40,956	3/4	28,290	3/4	15,355	3/4	2,438	3/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
11	53,608	11	40,692	11	28,021	11	15,085	11	2,174	11	11	11	11	11	11	11	11	11	11
1/4	53,339	1/4	40,428	1/4	27,751	1/4	14,816	1/4	1,909	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	53,070	1/2	40,164	1/2	27,482	1/2	14,546	1/2	1,645	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	52,800	3/4	39,900	3/4	27,212	3/4	14,277	3/4	1,420	3/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/06/2019 JS
 CALCULATED: 06/07/2019 CL
 PRINTED: 06/08/2019 CL
 CANCELLED AND SUPERCEDES
 ALL PRIOR TO 06/2019

PRECISION MEASUREMENT
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BARGE IB 1912"

2 CENT. ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-02 1/2"

IN	0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.
0	0	173,935	162,255	149,830	137,405	124,980	112,555	100,130	87,705	75,281
1/4	1/4	173,848	161,996	149,571	137,146	124,721	112,296	99,872	87,447	75,022
1/2	1/2	173,762	161,737	149,312	136,887	124,462	112,038	99,613	87,188	74,763
3/4	3/4	173,589	161,478	148,953	136,628	124,204	111,779	99,354	86,929	74,504
1	1	173,417	161,219	148,794	136,469	123,945	111,520	99,095	86,770	74,245
1 1/4	1 1/4	173,244	160,960	148,535	136,311	123,686	111,261	98,836	86,611	73,987
1 1/2	1 1/2	173,072	160,701	148,277	136,152	123,427	111,002	98,577	86,453	73,728
3/4	3/4	172,825	160,443	148,018	135,993	123,168	110,743	98,319	86,294	73,469
2	2	172,578	160,184	147,759	135,834	122,909	110,484	98,060	86,135	73,210
1 1/4	1 1/4	172,332	159,925	147,500	135,675	122,650	110,225	97,801	85,976	72,951
1 1/2	1 1/2	172,085	159,666	147,241	135,516	122,392	109,967	97,542	85,817	72,692
3/4	3/4	171,827	159,407	146,982	135,357	122,133	109,708	97,283	85,658	72,434
3	3	171,570	159,148	146,723	135,198	121,874	109,449	97,024	85,499	72,175
1 1/4	1 1/4	171,312	158,889	146,465	135,039	121,615	109,190	96,765	85,341	71,916
1 1/2	1 1/2	171,054	158,631	146,206	134,880	121,356	108,931	96,507	85,182	71,657
3/4	3/4	170,796	158,372	145,947	134,721	121,097	108,673	96,248	85,023	71,398
4	4	170,537	158,113	145,688	134,562	120,838	108,414	95,989	84,864	71,139
1 1/4	1 1/4	170,279	157,854	145,429	134,403	120,579	108,155	95,730	84,705	70,880
1 1/2	1 1/2	170,020	157,595	145,170	134,244	120,320	107,896	95,471	84,546	70,621
3/4	3/4	169,761	157,336	144,912	134,085	120,062	107,637	95,212	84,387	70,362
5	5	169,502	157,078	144,653	133,926	119,803	107,378	94,953	84,228	70,104
1 1/4	1 1/4	169,243	156,819	144,394	133,767	119,544	107,119	94,695	84,069	69,845
1 1/2	1 1/2	168,985	156,560	144,135	133,608	119,285	106,861	94,436	83,910	69,586
3/4	3/4	168,726	156,301	143,876	133,449	119,026	106,602	94,177	83,751	69,327
6	6	168,467	156,042	143,617	133,290	118,768	106,343	93,918	83,592	69,068
1 1/4	1 1/4	168,208	155,783	143,358	133,131	118,509	106,084	93,659	83,433	68,809
1 1/2	1 1/2	167,949	155,524	143,100	132,972	118,250	105,825	93,400	83,274	68,551
3/4	3/4	167,690	155,265	142,841	132,813	117,991	105,566	93,142	83,115	68,292
7	7	167,432	155,007	142,582	132,654	117,732	105,307	92,883	82,956	68,033
1 1/4	1 1/4	167,173	154,748	142,323	132,495	117,473	105,049	92,624	82,797	67,774
1 1/2	1 1/2	166,914	154,489	142,064	132,336	117,214	104,790	92,365	82,638	67,515
3/4	3/4	166,655	154,230	141,805	132,177	116,956	104,531	92,106	82,479	67,257
8	8	166,396	153,971	141,546	132,018	116,697	104,272	91,847	82,320	67,000
1 1/4	1 1/4	166,137	153,712	141,288	131,859	116,438	104,013	91,588	82,161	66,741
1 1/2	1 1/2	165,878	153,454	141,029	131,700	116,179	103,754	91,330	82,002	66,482
3/4	3/4	165,620	153,195	140,770	131,541	115,920	103,496	91,071	81,843	66,223
9	9	165,361	152,936	140,511	131,382	115,661	103,237	90,812	81,684	65,964
1 1/4	1 1/4	165,102	152,677	140,252	131,223	115,403	102,978	90,553	81,525	65,705
1 1/2	1 1/2	164,843	152,418	139,993	131,064	115,144	102,719	90,294	81,366	65,446
3/4	3/4	164,584	152,159	139,735	130,905	114,885	102,460	90,035	81,207	65,187
10	10	164,325	151,901	139,476	130,746	114,626	102,201	89,776	81,048	64,928
1 1/4	1 1/4	164,066	151,642	139,217	130,587	114,367	101,942	89,518	80,889	64,669
1 1/2	1 1/2	163,808	151,383	138,958	130,428	114,108	101,683	89,259	80,730	64,410
3/4	3/4	163,549	151,124	138,699	130,269	113,849	101,424	89,000	80,571	64,151
11	11	163,290	150,865	138,440	130,110	113,590	101,165	88,741	80,412	63,892
1 1/4	1 1/4	163,031	150,606	138,181	129,951	113,332	100,907	88,482	80,253	63,633
1 1/2	1 1/2	162,772	150,347	137,923	129,792	113,073	100,648	88,223	80,094	63,374
3/4	3/4	162,513	150,089	137,664	129,633	112,814	100,389	87,965	79,935	63,115

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH I.M.P.M.S. 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 31'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
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BARGE 'IB 1912"

2 CENTRAL ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS			GAUGE HEIGHT 15'-02 1/2"																
IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	62,956	0	50,431	0	38,049	0	25,864	0	13,440	0	1,147	0							
1/4	62,597	1/4	50,172	1/4	37,797	1/4	25,696	1/4	13,181	1/4	932	1/4							
1/2	62,338	1/2	49,914	1/2	37,545	1/2	25,347	1/2	12,922	1/2	717	1/2							
3/4	62,080	3/4	49,655	3/4	37,293	3/4	25,088	3/4	12,664	3/4	587	3/4							
1	61,821	1	49,396	1	37,041	1	24,839	1	12,405	1	458	1							
1 1/4	61,562	1 1/4	49,137	1 1/4	36,790	1 1/4	24,570	1 1/4	12,146	1 1/4	328	1 1/4							
1 1/2	61,303	1 1/2	48,878	1 1/2	36,538	1 1/2	24,311	1 1/2	11,887	1 1/2	199	1 1/2							
1 3/4	61,044	1 3/4	48,619	1 3/4	36,286	1 3/4	24,053	1 3/4	11,628	1 3/4	156	1 3/4							
2	60,785	2	48,360	2	36,034	2	23,794	2	11,369	2	113	2							
1/4	60,526	1/4	48,102	1/4	35,782	1/4	23,535	1/4	11,110	1/4	69	1/4							
1/2	60,268	1/2	47,843	1/2	35,531	1/2	23,276	1/2	10,852	1/2	26	1/2							
3/4	60,009	3/4	47,584	3/4	35,279	3/4	23,017	3/4	10,593	3/4		3/4							
1	59,750	1	47,325	1	35,027	1	22,758	1	10,334	1		1							
1 1/4	59,491	1 1/4	47,066	1 1/4	34,775	1 1/4	22,499	1 1/4	10,075	1 1/4		1 1/4							
1 1/2	59,232	1 1/2	46,807	1 1/2	34,524	1 1/2	22,241	1 1/2	9,816	1 1/2		1 1/2							
1 3/4	58,973	1 3/4	46,548	1 3/4	34,272	1 3/4	21,982	1 3/4	9,557	1 3/4		1 3/4							
2	58,714	2	46,289	2	34,020	2	21,723	2	9,299	2		2							
1/4	58,456	1/4	46,031	1/4	33,768	1/4	21,464	1/4	9,040	1/4		1/4							
1/2	58,197	1/2	45,772	1/2	33,517	1/2	21,205	1/2	8,781	1/2		1/2							
3/4	57,938	3/4	45,513	3/4	33,265	3/4	20,946	3/4	8,522	3/4		3/4							
1	57,679	1	45,254	1	33,013	1	20,688	1	8,263	1		1							
1 1/4	57,420	1 1/4	44,995	1 1/4	32,761	1 1/4	20,429	1 1/4	8,004	1 1/4		1 1/4							
1 1/2	57,161	1 1/2	44,737	1 1/2	32,509	1 1/2	20,170	1 1/2	7,746	1 1/2		1 1/2							
1 3/4	56,903	1 3/4	44,478	1 3/4	32,258	1 3/4	19,911	1 3/4	7,487	1 3/4		1 3/4							
2	56,644	2	44,219	2	32,006	2	19,652	2	7,228	2		2							
1/4	56,385	1/4	43,960	1/4	31,754	1/4	19,393	1/4	6,969	1/4		1/4							
1/2	56,126	1/2	43,701	1/2	31,502	1/2	19,135	1/2	6,710	1/2		1/2							
3/4	55,867	3/4	43,442	3/4	31,251	3/4	18,876	3/4	6,452	3/4		3/4							
1	55,608	1	43,183	1	30,999	1	18,617	1	6,193	1		1							
1 1/4	55,349	1 1/4	42,925	1 1/4	30,747	1 1/4	18,358	1 1/4	5,935	1 1/4		1 1/4							
1 1/2	55,091	1 1/2	42,666	1 1/2	30,495	1 1/2	18,099	1 1/2	5,676	1 1/2		1 1/2							
1 3/4	54,832	1 3/4	42,407	1 3/4	30,243	1 3/4	17,840	1 3/4	5,418	1 3/4		1 3/4							
2	54,573	2	42,148	2	29,992	2	17,581	2	5,160	2		2							
1/4	54,314	1/4	41,889	1/4	29,740	1/4	17,323	1/4	4,902	1/4		1/4							
1/2	54,055	1/2	41,630	1/2	29,488	1/2	17,064	1/2	4,644	1/2		1/2							
3/4	53,796	3/4	41,372	3/4	29,229	3/4	16,805	3/4	4,387	3/4		3/4							
1	53,537	1	41,113	1	28,970	1	16,546	1	4,130	1		1							
1 1/4	53,279	1 1/4	40,854	1 1/4	28,712	1 1/4	16,287	1 1/4	3,872	1 1/4		1 1/4							
1 1/2	53,020	1 1/2	40,595	1 1/2	28,453	1 1/2	16,028	1 1/2	3,615	1 1/2		1 1/2							
1 3/4	52,761	1 3/4	40,336	1 3/4	28,194	1 3/4	15,770	1 3/4	3,359	1 3/4		1 3/4							
2	52,502	2	40,077	2	27,935	2	15,511	2	3,103	2		2							
1/4	52,243	1/4	39,818	1/4	27,676	1/4	15,252	1/4	2,848	1/4		1/4							
1/2	51,984	1/2	39,560	1/2	27,417	1/2	14,993	1/2	2,592	1/2		1/2							
3/4	51,726	3/4	39,308	3/4	27,159	3/4	14,734	3/4	2,338	3/4		3/4							
1	51,467	1	39,056	1	26,900	1	14,475	1	2,085	1		1							
1 1/4	51,208	1 1/4	38,804	1 1/4	26,641	1 1/4	14,217	1 1/4	1,831	1 1/4		1 1/4							
1 1/2	50,949	1 1/2	38,552	1 1/2	26,382	1 1/2	13,958	1 1/2	1,578	1 1/2		1 1/2							
1 3/4	50,690	1 3/4	38,300	1 3/4	26,123	1 3/4	13,699	1 3/4	1,363	1 3/4		1 3/4							

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/06/2019 JS
 CALCULATED: 06/07/2019 CL
 PRINTED: 06/08/2019 CL
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 06/2019

PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588
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BARGE IB 1912"

3 CENT. ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-02 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	D	IN	D	IN	D	IN	D	IN	D	IN	D	IN	D	IN	D	IN	D	IN	D
0	0	172,828	0	161,240	0	148,913	0	136,586	0	124,259	0	111,932	0	99,605	0	87,278	0	74,951	0
1/4	1/4	172,743	1/4	160,983	1/4	148,656	1/4	136,329	1/4	124,002	1/4	111,675	1/4	99,348	1/4	87,021	1/4	74,694	1/4
1/2	1/2	172,657	1/2	160,726	1/2	148,399	1/2	136,072	1/2	123,745	1/2	111,418	1/2	99,092	1/2	86,765	1/2	74,438	1/2
3/4	3/4	172,486	3/4	160,470	3/4	148,143	3/4	135,816	3/4	123,489	3/4	111,162	3/4	98,835	3/4	86,508	3/4	74,181	3/4
1	1	172,315	1	160,213	1	147,866	1	135,559	1	123,232	1	110,905	1	98,578	1	86,251	1	73,924	1
1 1/4	1 1/4	172,143	1 1/4	159,956	1 1/4	147,629	1 1/4	135,302	1 1/4	122,975	1 1/4	110,648	1 1/4	98,321	1 1/4	85,994	1 1/4	73,667	1 1/4
1 1/2	1 1/2	171,972	1 1/2	159,699	1 1/2	147,372	1 1/2	135,045	1 1/2	122,718	1 1/2	110,391	1 1/2	98,064	1 1/2	85,737	1 1/2	73,410	1 1/2
1 3/4	1 3/4	171,727	1 3/4	159,442	1 3/4	147,115	1 3/4	134,788	1 3/4	122,461	1 3/4	110,134	1 3/4	97,807	1 3/4	85,480	1 3/4	73,153	1 3/4
2	2	171,483	2	159,186	2	146,859	2	134,532	2	122,205	2	109,878	2	97,551	2	85,224	2	72,897	2
1 1/4	1 1/4	171,238	1 1/4	158,929	1 1/4	146,602	1 1/4	134,275	1 1/4	121,948	1 1/4	109,621	1 1/4	97,294	1 1/4	84,967	1 1/4	72,640	1 1/4
1 1/2	1 1/2	170,993	1 1/2	158,672	1 1/2	146,345	1 1/2	134,018	1 1/2	121,691	1 1/2	109,364	1 1/2	97,037	1 1/2	84,710	1 1/2	72,383	1 1/2
1 3/4	1 3/4	170,738	1 3/4	158,415	1 3/4	146,088	1 3/4	133,761	1 3/4	121,434	1 3/4	109,107	1 3/4	96,780	1 3/4	84,453	1 3/4	72,126	1 3/4
3	3	170,482	3	158,158	3	145,831	3	133,504	3	121,177	3	108,850	3	96,523	3	84,196	3	71,869	3
1 1/4	1 1/4	170,226	1 1/4	157,902	1 1/4	145,575	1 1/4	133,248	1 1/4	120,921	1 1/4	108,594	1 1/4	96,267	1 1/4	83,940	1 1/4	71,613	1 1/4
1 1/2	1 1/2	169,971	1 1/2	157,645	1 1/2	145,318	1 1/2	132,991	1 1/2	120,664	1 1/2	108,337	1 1/2	96,010	1 1/2	83,683	1 1/2	71,356	1 1/2
1 3/4	1 3/4	169,714	1 3/4	157,388	1 3/4	145,061	1 3/4	132,734	1 3/4	120,407	1 3/4	108,080	1 3/4	95,753	1 3/4	83,426	1 3/4	71,099	1 3/4
4	4	169,458	4	157,131	4	144,804	4	132,477	4	120,150	4	107,823	4	95,496	4	83,169	4	70,842	4
1 1/4	1 1/4	169,201	1 1/4	156,874	1 1/4	144,547	1 1/4	132,220	1 1/4	119,893	1 1/4	107,566	1 1/4	95,239	1 1/4	82,912	1 1/4	70,585	1 1/4
1 1/2	1 1/2	168,944	1 1/2	156,617	1 1/2	144,290	1 1/2	131,963	1 1/2	119,636	1 1/2	107,309	1 1/2	94,983	1 1/2	82,656	1 1/2	70,329	1 1/2
1 3/4	1 3/4	168,688	1 3/4	156,361	1 3/4	144,034	1 3/4	131,707	1 3/4	119,380	1 3/4	107,053	1 3/4	94,726	1 3/4	82,399	1 3/4	70,072	1 3/4
5	5	168,431	5	156,104	5	143,777	5	131,450	5	119,123	5	106,796	5	94,469	5	82,142	5	69,815	5
1 1/4	1 1/4	168,174	1 1/4	155,847	1 1/4	143,520	1 1/4	131,193	1 1/4	118,866	1 1/4	106,539	1 1/4	94,212	1 1/4	81,885	1 1/4	69,558	1 1/4
1 1/2	1 1/2	167,917	1 1/2	155,590	1 1/2	143,263	1 1/2	130,936	1 1/2	118,609	1 1/2	106,282	1 1/2	93,955	1 1/2	81,628	1 1/2	69,301	1 1/2
1 3/4	1 3/4	167,660	1 3/4	155,333	1 3/4	143,006	1 3/4	130,679	1 3/4	118,352	1 3/4	106,025	1 3/4	93,698	1 3/4	81,371	1 3/4	69,044	1 3/4
6	6	167,404	6	155,077	6	142,749	6	130,423	6	118,096	6	105,769	6	93,442	6	81,115	6	68,788	6
1 1/4	1 1/4	167,147	1 1/4	154,820	1 1/4	142,493	1 1/4	130,166	1 1/4	117,839	1 1/4	105,512	1 1/4	93,185	1 1/4	80,858	1 1/4	68,531	1 1/4
1 1/2	1 1/2	166,890	1 1/2	154,563	1 1/2	142,236	1 1/2	129,909	1 1/2	117,582	1 1/2	105,255	1 1/2	92,928	1 1/2	80,601	1 1/2	68,274	1 1/2
1 3/4	1 3/4	166,633	1 3/4	154,306	1 3/4	141,979	1 3/4	129,652	1 3/4	117,325	1 3/4	104,988	1 3/4	92,671	1 3/4	80,344	1 3/4	68,017	1 3/4
7	7	166,376	7	154,049	7	141,722	7	129,395	7	117,068	7	104,741	7	92,414	7	80,087	7	67,760	7
1 1/4	1 1/4	166,120	1 1/4	153,793	1 1/4	141,466	1 1/4	129,139	1 1/4	116,812	1 1/4	104,485	1 1/4	92,158	1 1/4	79,831	1 1/4	67,504	1 1/4
1 1/2	1 1/2	165,863	1 1/2	153,536	1 1/2	141,209	1 1/2	128,882	1 1/2	116,555	1 1/2	104,228	1 1/2	91,901	1 1/2	79,574	1 1/2	67,247	1 1/2
1 3/4	1 3/4	165,606	1 3/4	153,279	1 3/4	140,952	1 3/4	128,625	1 3/4	116,298	1 3/4	103,971	1 3/4	91,644	1 3/4	79,317	1 3/4	66,990	1 3/4
8	8	165,349	8	153,022	8	140,695	8	128,368	8	116,041	8	103,714	8	91,387	8	79,060	8	66,733	8
1 1/4	1 1/4	165,092	1 1/4	152,765	1 1/4	140,438	1 1/4	128,111	1 1/4	115,784	1 1/4	103,457	1 1/4	91,130	1 1/4	78,803	1 1/4	66,476	1 1/4
1 1/2	1 1/2	164,835	1 1/2	152,508	1 1/2	140,181	1 1/2	127,854	1 1/2	115,527	1 1/2	103,200	1 1/2	90,874	1 1/2	78,547	1 1/2	66,220	1 1/2
1 3/4	1 3/4	164,579	1 3/4	152,252	1 3/4	139,925	1 3/4	127,596	1 3/4	115,271	1 3/4	102,944	1 3/4	90,617	1 3/4	78,290	1 3/4	65,963	1 3/4
9	9	164,322	9	151,995	9	139,668	9	127,341	9	115,014	9	102,687	9	90,360	9	78,033	9	65,706	9
1 1/4	1 1/4	164,065	1 1/4	151,738	1 1/4	139,411	1 1/4	127,084	1 1/4	114,757	1 1/4	102,430	1 1/4	90,103	1 1/4	77,776	1 1/4	65,449	1 1/4
1 1/2	1 1/2	163,808	1 1/2	151,481	1 1/2	139,154	1 1/2	126,827	1 1/2	114,500	1 1/2	102,173	1 1/2	89,846	1 1/2	77,519	1 1/2	65,192	1 1/2
1 3/4	1 3/4	163,551	1 3/4	151,224	1 3/4	138,897	1 3/4	126,570	1 3/4	114,243	1 3/4	101,916	1 3/4	89,589	1 3/4	77,262	1 3/4	64,935	1 3/4
10	10	163,295	10	150,968	10	138,641	10	126,314	10	113,987	10	101,660	10	89,333	10	77,006	10	64,679	10
1 1/4	1 1/4	163,038	1 1/4	150,711	1 1/4	138,384	1 1/4	126,057	1 1/4	113,730	1 1/4	101,403	1 1/4	89,076	1 1/4	76,749	1 1/4	64,422	1 1/4
1 1/2	1 1/2	162,781	1 1/2	150,454	1 1/2	138,127	1 1/2	125,800	1 1/2	113,473	1 1/2	101,146	1 1/2	88,819	1 1/2	76,492	1 1/2	64,165	1 1/2
1 3/4	1 3/4	162,524	1 3/4	150,197	1 3/4	137,870	1 3/4	125,543	1 3/4	113,216	1 3/4	100,889	1 3/4	88,562	1 3/4	76,235	1 3/4	63,908	1 3/4
11	11	162,267	11	149,940	11	137,613	11	125,286	11	112,959	11	100,632	11	88,305	11	75,978	11	63,651	11
1 1/4	1 1/4	162,011	1 1/4	149,684	1 1/4	137,357	1 1/4	125,030	1 1/4	112,703	1 1/4	100,376	1 1/4	88,049	1 1/4	75,722	1 1/4	63,395	1 1/4
1 1/2	1 1/2	161,754	1 1/2	149,427	1 1/2	137,100	1 1/2	124,773	1 1/2	112,446	1 1/2	100,119	1 1/2	87,792	1 1/2	75,465	1 1/2	63,138	1 1/2
1 3/4	1 3/4	161,497	1 3/4	148,917	1 3/4	136,843	1 3/4	124,516	1 3/4	112,189	1 3/4	99,862	1 3/4	87,535	1 3/4	75,208	1 3/4	62,881	1 3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT & ANALYSIS, INC.

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

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 31'-00" FORWARD OF AFT BULKHEAD



BARGL 'IB 1912"

**3 CENT L.V.
ULLAGE TABLE**

CAPACITIES GIVEN IN WHOLE GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	62,624	0	50,297	0	37,973	0	25,661	0	13,334	0	1,138	0	0	0	0	0	0	0	0
1/4	62,367	1/4	50,040	1/4	37,716	1/4	25,404	1/4	13,078	1/4	926	1/4	0	1/4	0	1/4	0	1/4	0
1/2	62,111	1/2	49,784	1/2	37,460	1/2	25,147	1/2	12,821	1/2	711	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	61,854	3/4	49,527	3/4	37,203	3/4	24,891	3/4	12,564	3/4	583	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	61,597	1	49,270	1	36,947	1	24,634	1	12,307	1	454	1	1	1	1	1	1	1	1
1 1/4	61,340	1 1/4	49,013	1 1/4	36,691	1 1/4	24,377	1 1/4	12,050	1 1/4	326	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	61,083	1 1/2	48,756	1 1/2	36,434	1 1/2	24,120	1 1/2	11,794	1 1/2	197	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
2	60,826	2	48,499	2	36,178	2	23,863	2	11,537	2	165	2	2	2	2	2	2	2	2
2 1/2	60,570	2 1/2	48,243	2 1/2	35,922	2 1/2	23,607	2 1/2	11,280	2 1/2	112	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2
3	60,313	3	47,986	3	35,665	3	23,350	3	11,023	3	69	3	3	3	3	3	3	3	3
3 1/4	60,056	3 1/4	47,729	3 1/4	35,409	3 1/4	23,093	3 1/4	10,766	3 1/4	26	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4
3 1/2	59,799	3 1/2	47,472	3 1/2	35,152	3 1/2	22,836	3 1/2	10,510	3 1/2	0	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
4	59,542	4	47,215	4	34,896	4	22,579	4	10,253	4	0	4	4	4	4	4	4	4	4
4 1/4	59,286	4 1/4	46,959	4 1/4	34,640	4 1/4	22,322	4 1/4	9,996	4 1/4	0	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4
4 1/2	59,029	4 1/2	46,702	4 1/2	34,383	4 1/2	22,066	4 1/2	9,739	4 1/2	0	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2
5	58,772	5	46,445	5	34,127	5	21,809	5	9,482	5	0	5	5	5	5	5	5	5	5
5 1/4	58,515	5 1/4	46,188	5 1/4	33,871	5 1/4	21,552	5 1/4	9,226	5 1/4	0	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4
5 1/2	58,258	5 1/2	45,931	5 1/2	33,614	5 1/2	21,295	5 1/2	8,969	5 1/2	0	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2
6	58,002	6	45,675	6	33,358	6	21,038	6	8,712	6	0	6	6	6	6	6	6	6	6
6 1/4	57,745	6 1/4	45,418	6 1/4	33,102	6 1/4	20,782	6 1/4	8,455	6 1/4	0	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4
6 1/2	57,488	6 1/2	45,161	6 1/2	32,845	6 1/2	20,525	6 1/2	8,198	6 1/2	0	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2
7	57,231	7	44,904	7	32,589	7	20,268	7	7,942	7	0	7	7	7	7	7	7	7	7
7 1/4	56,974	7 1/4	44,647	7 1/4	32,332	7 1/4	20,011	7 1/4	7,685	7 1/4	0	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4
7 1/2	56,717	7 1/2	44,390	7 1/2	32,076	7 1/2	19,754	7 1/2	7,428	7 1/2	0	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2
8	56,461	8	44,134	8	31,820	8	19,498	8	7,171	8	0	8	8	8	8	8	8	8	8
8 1/4	56,204	8 1/4	43,877	8 1/4	31,563	8 1/4	19,241	8 1/4	6,915	8 1/4	0	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4
8 1/2	55,947	8 1/2	43,620	8 1/2	31,307	8 1/2	18,984	8 1/2	6,658	8 1/2	0	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2
9	55,690	9	43,363	9	31,051	9	18,727	9	6,401	9	0	9	9	9	9	9	9	9	9
9 1/4	55,433	9 1/4	43,106	9 1/4	30,794	9 1/4	18,470	9 1/4	6,145	9 1/4	0	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4
9 1/2	55,177	9 1/2	42,850	9 1/2	30,538	9 1/2	18,214	9 1/2	5,888	9 1/2	0	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2
10	54,920	10	42,593	10	30,282	10	17,957	10	5,632	10	0	10	10	10	10	10	10	10	10
10 1/4	54,663	10 1/4	42,336	10 1/4	30,026	10 1/4	17,700	10 1/4	5,376	10 1/4	0	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4
10 1/2	54,406	10 1/2	42,079	10 1/2	29,769	10 1/2	17,443	10 1/2	5,120	10 1/2	0	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2
11	54,149	11	41,822	11	29,513	11	17,186	11	4,864	11	0	11	11	11	11	11	11	11	11
11 1/4	53,893	11 1/4	41,566	11 1/4	29,256	11 1/4	16,930	11 1/4	4,608	11 1/4	0	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4
11 1/2	53,636	11 1/2	41,309	11 1/2	28,999	11 1/2	16,673	11 1/2	4,352	11 1/2	0	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2
12	53,379	12	41,052	12	28,743	12	16,416	12	4,097	12	0	12	12	12	12	12	12	12	12
12 1/4	53,122	12 1/4	40,795	12 1/4	28,486	12 1/4	16,159	12 1/4	3,842	12 1/4	0	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4
12 1/2	52,865	12 1/2	40,538	12 1/2	28,229	12 1/2	15,902	12 1/2	3,587	12 1/2	0	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2
13	52,608	13	40,281	13	27,972	13	15,646	13	3,333	13	0	13	13	13	13	13	13	13	13
13 1/4	52,352	13 1/4	40,025	13 1/4	27,715	13 1/4	15,389	13 1/4	3,079	13 1/4	0	13 1/4	13 1/4	13 1/4	13 1/4	13 1/4	13 1/4	13 1/4	13 1/4
13 1/2	52,095	13 1/2	39,768	13 1/2	27,459	13 1/2	15,132	13 1/2	2,825	13 1/2	0	13 1/2	13 1/2	13 1/2	13 1/2	13 1/2	13 1/2	13 1/2	13 1/2
14	51,838	14	39,511	14	27,202	14	14,875	14	2,571	14	0	14	14	14	14	14	14	14	14
14 1/4	51,581	14 1/4	39,255	14 1/4	26,945	14 1/4	14,618	14 1/4	2,320	14 1/4	0	14 1/4	14 1/4	14 1/4	14 1/4	14 1/4	14 1/4	14 1/4	14 1/4
14 1/2	51,324	14 1/2	38,998	14 1/2	26,688	14 1/2	14,362	14 1/2	2,068	14 1/2	0	14 1/2	14 1/2	14 1/2	14 1/2	14 1/2	14 1/2	14 1/2	14 1/2
15	51,068	15	38,742	15	26,431	15	14,105	15	1,817	15	0	15	15	15	15	15	15	15	15
15 1/4	50,811	15 1/4	38,485	15 1/4	26,175	15 1/4	13,848	15 1/4	1,566	15 1/4	0	15 1/4	15 1/4	15 1/4	15 1/4	15 1/4	15 1/4	15 1/4	15 1/4
15 1/2	50,554	15 1/2	38,229	15 1/2	25,918	15 1/2	13,591	15 1/2	1,352	15 1/2	0	15 1/2	15 1/2	15 1/2	15 1/2	15 1/2	15 1/2	15 1/2	15 1/2

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/06/2019 JS
CALCULATED: 06/07/2019 CL
PRINTED: 06/08/2019 CL
CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2019

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