

BARGE "IB 1982"

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	00-0/8 - 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	00-1/4 - 00-1/4	00-3/8 - 00-3/8	00-1/2 - 00-1/2	00-5/8 - 00-5/8	00-5/8 - 00-5/8
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 - 00-1/4"
FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 CENTER, THE TRIM CORRECTED ULLAGE IS 3'-11 3/4"

LENGTH BETWEEN DRAFT MARKS: 182'-09"

October 20, 2017

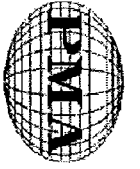
PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "IB 1982"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	152,728	0	146,042	0	138,273	0	130,505	0	121,055	0	109,054	0	97,062	0	85,071	0	73,078	
1/4	1/4	152,728	1/4	146,880	1/4	138,111	1/4	130,343	1/4	120,805	1/4	108,805	1/4	96,812	1/4	84,821	1/4	72,828	
1/2	1/2	152,665	1/2	145,718	1/2	137,950	1/2	130,181	1/2	120,555	1/2	108,555	1/2	96,563	1/2	84,571	1/2	72,578	
3/4	3/4	152,603	3/4	145,556	3/4	137,798	3/4	130,020	3/4	120,304	3/4	108,304	3/4	96,313	3/4	84,321	3/4	72,529	
1	1	152,540	1	145,394	1	137,626	1	129,858	1	120,054	1	108,055	1	96,063	1	84,071	1	72,079	
1/4	1/4	152,478	1/4	145,232	1/4	137,464	1/4	129,696	1/4	119,804	1/4	107,805	1/4	95,813	1/4	83,821	1/4	71,829	
1/2	1/2	152,420	1/2	145,071	1/2	137,302	1/2	129,534	1/2	119,553	1/2	107,555	1/2	95,563	1/2	83,572	1/2	71,579	
3/4	3/4	152,363	3/4	144,909	3/4	137,140	3/4	129,372	3/4	119,302	3/4	107,306	3/4	95,314	3/4	83,322	3/4	71,329	
2	2	152,305	2	144,747	2	136,979	2	129,210	2	119,053	2	107,056	2	95,064	2	83,072	2	71,079	
1/4	1/4	152,248	1/4	144,585	1/4	136,817	1/4	129,048	1/4	118,802	1/4	106,806	1/4	94,814	1/4	82,822	1/4	70,830	
1/2	1/2	152,110	1/2	144,423	1/2	136,655	1/2	128,887	1/2	118,552	1/2	106,556	1/2	94,564	1/2	82,572	1/2	70,580	
3/4	3/4	151,973	3/4	144,261	3/4	136,493	3/4	128,725	3/4	118,302	3/4	106,306	3/4	94,314	3/4	82,322	3/4	70,330	
3	3	151,835	3	144,100	3	136,331	3	128,563	3	118,051	3	106,056	3	94,064	3	82,072	3	70,080	
1/4	1/4	151,698	1/4	143,938	1/4	136,169	1/4	128,401	1/4	117,800	1/4	105,806	1/4	93,815	1/4	81,823	1/4	69,830	
1/2	1/2	151,537	1/2	143,776	1/2	136,008	1/2	128,239	1/2	117,550	1/2	105,557	1/2	93,565	1/2	81,573	1/2	69,580	
3/4	3/4	151,377	3/4	143,614	3/4	135,846	3/4	128,077	3/4	117,300	3/4	105,307	3/4	93,315	3/4	81,323	3/4	69,331	
4	4	151,217	4	143,452	4	135,684	4	127,916	4	117,050	4	105,057	4	93,065	4	81,073	4	69,081	
1/4	1/4	151,057	1/4	143,290	1/4	135,522	1/4	127,754	1/4	116,800	1/4	104,807	1/4	92,815	1/4	80,823	1/4	68,831	
1/2	1/2	150,895	1/2	143,128	1/2	135,360	1/2	127,592	1/2	116,550	1/2	104,557	1/2	92,565	1/2	80,573	1/2	68,581	
3/4	3/4	150,734	3/4	142,967	3/4	135,198	3/4	127,430	3/4	116,300	3/4	104,307	3/4	92,315	3/4	80,324	3/4	68,331	
5	5	150,573	5	142,805	5	135,037	5	127,268	5	116,050	5	104,058	5	92,066	5	80,074	5	68,081	
1/4	1/4	150,411	1/4	142,643	1/4	134,875	1/4	127,106	1/4	115,800	1/4	103,808	1/4	91,816	1/4	79,824	1/4	67,832	
1/2	1/2	150,249	1/2	142,481	1/2	134,713	1/2	126,945	1/2	115,550	1/2	103,558	1/2	91,566	1/2	79,574	1/2	67,582	
3/4	3/4	150,088	3/4	142,319	3/4	134,551	3/4	126,783	3/4	115,300	3/4	103,308	3/4	91,317	3/4	79,324	3/4	67,333	
6	6	149,926	6	142,157	6	134,389	6	126,621	6	115,051	6	103,058	6	91,067	6	79,074	6	67,084	
1/4	1/4	149,764	1/4	141,996	1/4	134,227	1/4	126,459	1/4	114,801	1/4	102,808	1/4	90,817	1/4	78,825	1/4	66,835	
1/2	1/2	149,602	1/2	141,834	1/2	134,065	1/2	126,297	1/2	114,551	1/2	102,559	1/2	90,567	1/2	78,575	1/2	66,585	
3/4	3/4	149,440	3/4	141,672	3/4	133,904	3/4	126,135	3/4	114,301	3/4	102,309	3/4	90,317	3/4	78,325	3/4	66,336	
7	7	149,278	7	141,510	7	133,742	7	125,974	7	114,051	7	102,059	7	90,067	7	78,075	7	66,087	
1/4	1/4	149,117	1/4	141,348	1/4	133,580	1/4	125,812	1/4	113,801	1/4	101,809	1/4	89,818	1/4	77,825	1/4	65,838	
1/2	1/2	148,955	1/2	141,186	1/2	133,418	1/2	125,651	1/2	113,552	1/2	101,559	1/2	89,568	1/2	77,575	1/2	65,588	
3/4	3/4	148,793	3/4	141,025	3/4	133,256	3/4	125,490	3/4	113,302	3/4	101,309	3/4	89,318	3/4	77,325	3/4	65,339	
8	8	148,631	8	140,863	8	133,094	8	125,328	8	113,052	8	101,060	8	89,068	8	77,076	8	65,090	
1/4	1/4	148,469	1/4	140,701	1/4	132,933	1/4	125,166	1/4	112,802	1/4	100,810	1/4	88,818	1/4	76,826	1/4	64,841	
1/2	1/2	148,307	1/2	140,539	1/2	132,771	1/2	125,004	1/2	112,552	1/2	100,560	1/2	88,568	1/2	76,576	1/2	64,591	
3/4	3/4	148,146	3/4	140,377	3/4	132,609	3/4	124,842	3/4	112,302	3/4	100,310	3/4	88,318	3/4	76,326	3/4	64,342	
9	9	147,984	9	140,215	9	132,447	9	124,680	9	112,053	9	100,060	9	88,069	9	76,076	9	64,093	
1/4	1/4	147,822	1/4	140,054	1/4	132,285	1/4	124,518	1/4	111,803	1/4	99,810	1/4	87,819	1/4	75,826	1/4	63,844	
1/2	1/2	147,660	1/2	139,892	1/2	132,123	1/2	124,356	1/2	111,553	1/2	99,560	1/2	87,569	1/2	75,576	1/2	63,594	
3/4	3/4	147,498	3/4	139,730	3/4	131,962	3/4	124,194	3/4	111,303	3/4	99,311	3/4	87,319	3/4	75,327	3/4	63,345	
10	10	147,336	10	139,568	10	131,800	10	124,032	10	111,053	10	99,061	10	87,069	10	75,077	10	63,096	
1/4	1/4	147,174	1/4	139,406	1/4	131,638	1/4	123,870	1/4	110,803	1/4	98,811	1/4	86,819	1/4	74,827	1/4	62,847	
1/2	1/2	147,013	1/2	139,244	1/2	131,476	1/2	123,708	1/2	110,553	1/2	98,561	1/2	86,570	1/2	74,577	1/2	62,597	
3/4	3/4	146,851	3/4	139,083	3/4	131,314	3/4	123,546	3/4	110,304	3/4	98,311	3/4	86,320	3/4	74,327	3/4	62,348	
11	11	146,689	11	138,921	11	131,152	11	123,384	11	110,054	11	98,062	11	86,070	11	74,078	11	62,099	
1/4	1/4	146,527	1/4	138,759	1/4	130,991	1/4	123,222	1/4	109,804	1/4	97,812	1/4	85,820	1/4	73,828	1/4	61,850	
1/2	1/2	146,365	1/2	138,597	1/2	130,829	1/2	123,060	1/2	109,554	1/2	97,562	1/2	85,570	1/2	73,578	1/2	61,600	
3/4	3/4	146,203	3/4	138,435	3/4	130,667	3/4	122,898	3/4	109,304	3/4	97,312	3/4	85,320	3/4	73,328	3/4	61,351	

GAUGE HEIGHT 15'-03 1/4"

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 31'-03" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
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BARGE "IB 1982"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-03 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	61,102	0	49,122	0	37,155	0	25,409	0	13,416	0	1,455	0		0		0		0	
1/4	60,853	1/4	48,872	1/4	36,912	1/4	25,159	1/4	13,166	1/4	1,218	1/4		1/4		1/4		1/4	
1/2	60,604	1/2	48,623	1/2	36,669	1/2	24,912	1/2	12,917	1/2	1,053	1/2		1/2		1/2		1/2	
3/4	60,354	3/4	48,373	3/4	36,426	3/4	24,659	3/4	12,667	3/4	889	3/4		3/4		3/4		3/4	
1	60,105	1	48,123	1	36,182	1	24,410	1	12,417	1	725	1		1		1		1	
1/4	59,856	1/4	47,873	1/4	35,939	1/4	24,160	1/4	12,167	1/4	561	1/4		1/4		1/4		1/4	
1/2	59,607	1/2	47,624	1/2	35,696	1/2	23,910	1/2	11,917	1/2	469	1/2		1/2		1/2		1/2	
3/4	59,357	3/4	47,374	3/4	35,453	3/4	23,660	3/4	11,667	3/4	377	3/4		3/4		3/4		3/4	
2	59,108	2	47,124	2	35,210	2	23,410	2	11,417	2	285	2		2		2		2	
1/4	58,859	1/4	46,875	1/4	34,966	1/4	23,160	1/4	11,168	1/4	193	1/4		1/4		1/4		1/4	
1/2	58,610	1/2	46,625	1/2	34,723	1/2	22,911	1/2	10,918	1/2	152	1/2		1/2		1/2		1/2	
3/4	58,360	3/4	46,375	3/4	34,480	3/4	22,661	3/4	10,668	3/4	110	3/4		3/4		3/4		3/4	
3	58,111	3	46,125	3	34,237	3	22,411	3	10,418	3	68	3		3		3		3	
1/4	57,862	1/4	45,876	1/4	33,994	1/4	22,161	1/4	10,168	1/4	26	1/4		1/4		1/4		1/4	
1/2	57,612	1/2	45,626	1/2	33,751	1/2	21,911	1/2	9,918	1/2		1/2		1/2		1/2		1/2	
3/4	57,362	3/4	45,376	3/4	33,507	3/4	21,661	3/4	9,668	3/4		3/4		3/4		3/4		3/4	
4	57,113	4	45,127	4	33,264	4	21,411	4	9,418	4		4		4		4		4	
1/4	56,863	1/4	44,877	1/4	33,021	1/4	21,162	1/4	9,169	1/4		1/4		1/4		1/4		1/4	
1/2	56,613	1/2	44,627	1/2	32,778	1/2	20,912	1/2	8,919	1/2		1/2		1/2		1/2		1/2	
3/4	56,364	3/4	44,377	3/4	32,535	3/4	20,662	3/4	8,668	3/4		3/4		3/4		3/4		3/4	
5	56,114	5	44,128	5	32,291	5	20,412	5	8,418	5		5		5		5		5	
1/4	55,864	1/4	43,878	1/4	32,048	1/4	20,162	1/4	8,168	1/4		1/4		1/4		1/4		1/4	
1/2	55,614	1/2	43,628	1/2	31,805	1/2	19,912	1/2	7,918	1/2		1/2		1/2		1/2		1/2	
3/4	55,365	3/4	43,379	3/4	31,562	3/4	19,662	3/4	7,668	3/4		3/4		3/4		3/4		3/4	
6	55,115	6	43,129	6	31,319	6	19,413	6	7,418	6		6		6		6		6	
1/4	54,865	1/4	42,879	1/4	31,076	1/4	19,163	1/4	7,168	1/4		1/4		1/4		1/4		1/4	
1/2	54,616	1/2	42,629	1/2	30,832	1/2	18,913	1/2	6,918	1/2		1/2		1/2		1/2		1/2	
3/4	54,366	3/4	42,380	3/4	30,589	3/4	18,663	3/4	6,668	3/4		3/4		3/4		3/4		3/4	
7	54,116	7	42,130	7	30,346	7	18,413	7	6,418	7		7		7		7		7	
1/4	53,866	1/4	41,880	1/4	30,103	1/4	18,163	1/4	6,168	1/4		1/4		1/4		1/4		1/4	
1/2	53,617	1/2	41,631	1/2	29,860	1/2	17,914	1/2	5,918	1/2		1/2		1/2		1/2		1/2	
3/4	53,367	3/4	41,381	3/4	29,616	3/4	17,664	3/4	5,668	3/4		3/4		3/4		3/4		3/4	
8	53,117	8	41,131	8	29,373	8	17,414	8	5,417	8		8		8		8		8	
1/4	52,868	1/4	40,881	1/4	29,130	1/4	17,164	1/4	5,167	1/4		1/4		1/4		1/4		1/4	
1/2	52,618	1/2	40,632	1/2	28,887	1/2	16,914	1/2	4,917	1/2		1/2		1/2		1/2		1/2	
3/4	52,368	3/4	40,382	3/4	28,644	3/4	16,664	3/4	4,667	3/4		3/4		3/4		3/4		3/4	
9	52,118	9	40,132	9	28,401	9	16,414	9	4,416	9		9		9		9		9	
1/4	51,869	1/4	39,883	1/4	28,157	1/4	16,165	1/4	4,166	1/4		1/4		1/4		1/4		1/4	
1/2	51,619	1/2	39,633	1/2	27,908	1/2	15,915	1/2	3,916	1/2		1/2		1/2		1/2		1/2	
3/4	51,369	3/4	39,383	3/4	27,658	3/4	15,665	3/4	3,665	3/4		3/4		3/4		3/4		3/4	
10	51,120	10	39,133	10	27,408	10	15,415	10	3,415	10		10		10		10		10	
1/4	50,870	1/4	38,884	1/4	27,158	1/4	15,165	1/4	3,165	1/4		1/4		1/4		1/4		1/4	
1/2	50,620	1/2	38,634	1/2	26,908	1/2	14,915	1/2	2,915	1/2		1/2		1/2		1/2		1/2	
3/4	50,370	3/4	38,384	3/4	26,658	3/4	14,665	3/4	2,665	3/4		3/4		3/4		3/4		3/4	
11	50,121	11	38,135	11	26,408	11	14,416	11	2,416	11		11		11		11		11	
1/4	49,871	1/4	37,885	1/4	26,159	1/4	14,166	1/4	2,166	1/4		1/4		1/4		1/4		1/4	
1/2	49,621	1/2	37,634	1/2	25,909	1/2	13,916	1/2	1,929	1/2		1/2		1/2		1/2		1/2	
3/4	49,372	3/4	37,384	3/4	25,659	3/4	13,666	3/4	1,692	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/19/2017 CL
 CALCULATED: 10/20/2017 CL
 PRINTED: 10/20/2017 CL
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 10/20/17

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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BARGE "IB 1982"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-03"

IN	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	0	161,418	0	151,107	0	139,574	0	128,041	0	116,507	0	104,974	0	93,440	0	81,907	0	70,373	0
1/4	1/4	1/4	161,358	1/4	150,867	1/4	139,334	1/4	127,800	1/4	116,267	1/4	104,733	1/4	93,200	1/4	81,667	1/4	70,133	1/4
1/2	1/2	1/2	161,298	1/2	150,627	1/2	139,093	1/2	127,560	1/2	116,027	1/2	104,493	1/2	92,960	1/2	81,426	1/2	69,893	1/2
3/4	3/4	3/4	161,238	3/4	150,387	3/4	138,853	3/4	127,320	3/4	115,786	3/4	104,253	3/4	92,720	3/4	81,186	3/4	69,653	3/4
1	1	1	161,178	1	150,146	1	138,613	1	127,079	1	115,546	1	104,013	1	92,479	1	80,946	1	69,412	1
1/4	1/4	1/4	161,038	1/4	149,906	1/4	138,373	1/4	126,839	1/4	115,306	1/4	103,772	1/4	92,239	1/4	80,706	1/4	69,172	1/4
1/2	1/2	1/2	160,897	1/2	149,666	1/2	138,132	1/2	126,599	1/2	115,065	1/2	103,532	1/2	91,999	1/2	80,465	1/2	68,932	1/2
3/4	3/4	3/4	160,757	3/4	149,425	3/4	137,892	3/4	126,359	3/4	114,825	3/4	103,292	3/4	91,758	3/4	80,225	3/4	68,692	3/4
2	2	2	160,617	2	149,185	2	137,652	2	126,118	2	114,585	2	103,052	2	91,518	2	79,985	2	68,451	2
1/4	1/4	1/4	160,400	1/4	148,945	1/4	137,411	1/4	125,878	1/4	114,345	1/4	102,811	1/4	91,278	1/4	79,744	1/4	68,211	1/4
1/2	1/2	1/2	160,183	1/2	148,705	1/2	137,171	1/2	125,638	1/2	114,104	1/2	102,571	1/2	91,038	1/2	79,504	1/2	67,971	1/2
3/4	3/4	3/4	159,966	3/4	148,464	3/4	136,931	3/4	125,397	3/4	113,864	3/4	102,331	3/4	90,797	3/4	79,264	3/4	67,730	3/4
3	3	3	159,760	3	148,224	3	136,691	3	125,157	3	113,624	3	102,090	3	90,557	3	79,024	3	67,490	3
1/4	1/4	1/4	159,511	1/4	147,984	1/4	136,450	1/4	124,917	1/4	113,384	1/4	101,850	1/4	90,317	1/4	78,783	1/4	67,250	1/4
1/2	1/2	1/2	159,272	1/2	147,743	1/2	136,210	1/2	124,677	1/2	113,143	1/2	101,610	1/2	90,076	1/2	78,543	1/2	67,010	1/2
3/4	3/4	3/4	159,033	3/4	147,503	3/4	135,970	3/4	124,436	3/4	112,903	3/4	101,370	3/4	89,836	3/4	78,303	3/4	66,769	3/4
4	4	4	158,795	4	147,263	4	135,729	4	124,196	4	112,653	4	101,129	4	89,596	4	78,062	4	66,529	4
1/4	1/4	1/4	158,555	1/4	147,023	1/4	135,489	1/4	123,956	1/4	112,422	1/4	100,889	1/4	89,356	1/4	77,822	1/4	66,289	1/4
1/2	1/2	1/2	158,315	1/2	146,782	1/2	135,249	1/2	123,716	1/2	112,182	1/2	100,649	1/2	89,115	1/2	77,582	1/2	66,049	1/2
3/4	3/4	3/4	158,075	3/4	146,542	3/4	135,009	3/4	123,475	3/4	111,942	3/4	100,408	3/4	88,875	3/4	77,342	3/4	65,808	3/4
5	5	5	157,835	5	146,302	5	134,768	5	123,235	5	111,702	5	100,168	5	88,635	5	77,101	5	65,568	5
1/4	1/4	1/4	157,595	1/4	146,062	1/4	134,528	1/4	122,995	1/4	111,461	1/4	99,928	1/4	88,394	1/4	76,861	1/4	65,328	1/4
1/2	1/2	1/2	157,355	1/2	145,821	1/2	134,288	1/2	122,754	1/2	111,221	1/2	99,688	1/2	88,154	1/2	76,621	1/2	65,087	1/2
3/4	3/4	3/4	157,114	3/4	145,581	3/4	134,048	3/4	122,514	3/4	110,981	3/4	99,447	3/4	87,914	3/4	76,381	3/4	64,847	3/4
6	6	6	156,874	6	145,341	6	133,807	6	122,274	6	110,740	6	99,207	6	87,674	6	76,140	6	64,607	6
1/4	1/4	1/4	156,634	1/4	145,100	1/4	133,567	1/4	122,034	1/4	110,500	1/4	98,967	1/4	87,433	1/4	75,900	1/4	64,367	1/4
1/2	1/2	1/2	156,394	1/2	144,860	1/2	133,327	1/2	121,793	1/2	110,260	1/2	98,726	1/2	87,193	1/2	75,660	1/2	64,126	1/2
3/4	3/4	3/4	156,153	3/4	144,620	3/4	133,086	3/4	121,553	3/4	110,020	3/4	98,486	3/4	86,953	3/4	75,419	3/4	63,886	3/4
7	7	7	155,913	7	144,380	7	132,846	7	121,313	7	109,779	7	98,246	7	86,713	7	75,179	7	63,646	7
1/4	1/4	1/4	155,673	1/4	144,139	1/4	132,606	1/4	121,072	1/4	109,539	1/4	98,006	1/4	86,472	1/4	74,939	1/4	63,405	1/4
1/2	1/2	1/2	155,432	1/2	143,899	1/2	132,366	1/2	120,832	1/2	109,299	1/2	97,765	1/2	86,232	1/2	74,699	1/2	63,165	1/2
3/4	3/4	3/4	155,192	3/4	143,659	3/4	132,125	3/4	120,592	3/4	109,058	3/4	97,525	3/4	86,000	3/4	74,458	3/4	62,925	3/4
8	8	8	154,952	8	143,418	8	131,885	8	120,352	8	108,818	8	97,285	8	85,751	8	74,218	8	62,685	8
1/4	1/4	1/4	154,712	1/4	143,178	1/4	131,645	1/4	120,111	1/4	108,578	1/4	97,045	1/4	85,511	1/4	73,978	1/4	62,444	1/4
1/2	1/2	1/2	154,471	1/2	142,938	1/2	131,404	1/2	119,871	1/2	108,338	1/2	96,804	1/2	85,271	1/2	73,737	1/2	62,204	1/2
3/4	3/4	3/4	154,231	3/4	142,698	3/4	131,164	3/4	119,631	3/4	108,097	3/4	96,564	3/4	85,031	3/4	73,497	3/4	61,964	3/4
9	9	9	153,991	9	142,457	9	130,924	9	119,391	9	107,857	9	96,324	9	84,790	9	73,257	9	61,723	9
1/4	1/4	1/4	153,750	1/4	142,217	1/4	130,684	1/4	119,150	1/4	107,617	1/4	96,083	1/4	84,550	1/4	73,017	1/4	61,483	1/4
1/2	1/2	1/2	153,510	1/2	141,977	1/2	130,443	1/2	118,910	1/2	107,377	1/2	95,843	1/2	84,310	1/2	72,776	1/2	61,243	1/2
3/4	3/4	3/4	153,270	3/4	141,736	3/4	130,203	3/4	118,670	3/4	107,136	3/4	95,603	3/4	84,069	3/4	72,536	3/4	61,003	3/4
10	10	10	153,030	10	141,496	10	129,963	10	118,429	10	106,896	10	95,363	10	83,829	10	72,296	10	60,762	10
1/4	1/4	1/4	152,789	1/4	141,256	1/4	129,723	1/4	118,189	1/4	106,656	1/4	95,122	1/4	83,589	1/4	72,055	1/4	60,522	1/4
1/2	1/2	1/2	152,549	1/2	141,016	1/2	129,482	1/2	117,949	1/2	106,415	1/2	94,882	1/2	83,349	1/2	71,815	1/2	60,282	1/2
3/4	3/4	3/4	152,309	3/4	140,775	3/4	129,242	3/4	117,709	3/4	106,175	3/4	94,642	3/4	83,108	3/4	71,575	3/4	60,042	3/4
11	11	11	152,068	11	140,535	11	129,002	11	117,468	11	105,935	11	94,401	11	82,868	11	71,335	11	59,801	11
1/4	1/4	1/4	151,828	1/4	140,295	1/4	128,761	1/4	117,228	1/4	105,695	1/4	94,161	1/4	82,628	1/4	71,094	1/4	59,561	1/4
1/2	1/2	1/2	151,588	1/2	140,055	1/2	128,521	1/2	116,988	1/2	105,454	1/2	93,921	1/2	82,387	1/2	70,854	1/2	59,321	1/2
3/4	3/4	3/4	151,348	3/4	139,814	3/4	128,281	3/4	116,747	3/4	105,214	3/4	93,681	3/4	82,147	3/4	70,614	3/4	59,080	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STAPPED 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'-06" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
 & ANALYSIS, INC.

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



BARGE "IB 1982"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-03"

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	58,840	0	47,307	0	35,801	0	24,522	0	12,989	0	1,467	0		0					
1/4	58,600	1/4	47,066	1/4	35,566	1/4	24,282	1/4	12,749	1/4	1,267	1/4		1/4					
1/2	58,360	1/2	46,826	1/2	35,326	1/2	24,042	1/2	12,509	1/2	1,067	1/2		1/2					
3/4	58,119	3/4	46,586	3/4	35,102	3/4	23,801	3/4	12,268	3/4	867	3/4		3/4					
1	57,879	1	46,346	1	34,868	1	23,561	1	12,028	1	667	1		1					
1/4	57,639	1/4	46,105	1/4	34,635	1/4	23,321	1/4	11,788	1/4	647	1/4		1/4					
1/2	57,398	1/2	45,865	1/2	34,402	1/2	23,081	1/2	11,548	1/2	427	1/2		1/2					
3/4	57,158	3/4	45,625	3/4	34,169	3/4	22,840	3/4	11,307	3/4	307	3/4		3/4					
2	56,918	2	45,384	2	33,935	2	22,600	2	11,067	2	186	2		2					
1/4	56,678	1/4	45,144	1/4	33,702	1/4	22,360	1/4	10,827	1/4	146	1/4		1/4					
1/2	56,437	1/2	44,904	1/2	33,469	1/2	22,119	1/2	10,587	1/2	106	1/2		1/2					
3/4	56,197	3/4	44,664	3/4	33,236	3/4	21,879	3/4	10,346	3/4	66	3/4		3/4					
3	55,957	3	44,423	3	33,003	3	21,639	3	10,106	3	26	3		3					
1/4	55,716	1/4	44,183	1/4	32,769	1/4	21,399	1/4	9,866	1/4		1/4		1/4					
1/2	55,476	1/2	43,943	1/2	32,536	1/2	21,158	1/2	9,625	1/2		1/2		1/2					
3/4	55,236	3/4	43,703	3/4	32,303	3/4	20,918	3/4	9,385	3/4		3/4		3/4					
4	54,996	4	43,462	4	32,070	4	20,678	4	9,145	4		4		4					
1/4	54,755	1/4	43,222	1/4	31,836	1/4	20,438	1/4	8,905	1/4		1/4		1/4					
1/2	54,515	1/2	42,982	1/2	31,603	1/2	20,197	1/2	8,664	1/2		1/2		1/2					
3/4	54,275	3/4	42,741	3/4	31,370	3/4	19,957	3/4	8,424	3/4		3/4		3/4					
5	54,035	5	42,501	5	31,137	5	19,717	5	8,184	5		5		5					
1/4	53,794	1/4	42,261	1/4	30,904	1/4	19,477	1/4	7,944	1/4		1/4		1/4					
1/2	53,554	1/2	42,021	1/2	30,670	1/2	19,236	1/2	7,703	1/2		1/2		1/2					
3/4	53,314	3/4	41,780	3/4	30,437	3/4	18,996	3/4	7,463	3/4		3/4		3/4					
6	53,073	6	41,540	6	30,204	6	18,756	6	7,223	6		6		6					
1/4	52,833	1/4	41,300	1/4	29,971	1/4	18,515	1/4	6,983	1/4		1/4		1/4					
1/2	52,593	1/2	41,059	1/2	29,738	1/2	18,275	1/2	6,742	1/2		1/2		1/2					
3/4	52,353	3/4	40,819	3/4	29,504	3/4	18,035	3/4	6,502	3/4		3/4		3/4					
7	52,112	7	40,579	7	29,271	7	17,795	7	6,262	7		7		7					
1/4	51,872	1/4	40,339	1/4	29,038	1/4	17,554	1/4	6,022	1/4		1/4		1/4					
1/2	51,632	1/2	40,098	1/2	28,805	1/2	17,314	1/2	5,781	1/2		1/2		1/2					
3/4	51,391	3/4	39,858	3/4	28,572	3/4	17,074	3/4	5,541	3/4		3/4		3/4					
8	51,151	8	39,618	8	28,338	8	16,834	8	5,301	8		8		8					
1/4	50,911	1/4	39,377	1/4	28,105	1/4	16,593	1/4	5,060	1/4		1/4		1/4					
1/2	50,671	1/2	39,137	1/2	27,872	1/2	16,353	1/2	4,820	1/2		1/2		1/2					
3/4	50,430	3/4	38,897	3/4	27,639	3/4	16,113	3/4	4,580	3/4		3/4		3/4					
9	50,190	9	38,657	9	27,405	9	15,872	9	4,340	9		9		9					
1/4	49,950	1/4	38,416	1/4	27,165	1/4	15,632	1/4	4,099	1/4		1/4		1/4					
1/2	49,710	1/2	38,176	1/2	26,925	1/2	15,392	1/2	3,859	1/2		1/2		1/2					
3/4	49,469	3/4	37,936	3/4	26,685	3/4	15,152	3/4	3,619	3/4		3/4		3/4					
10	49,229	10	37,696	10	26,444	10	14,911	10	3,379	10		10		10					
1/4	48,989	1/4	37,455	1/4	26,204	1/4	14,671	1/4	3,139	1/4		1/4		1/4					
1/2	48,748	1/2	37,215	1/2	25,964	1/2	14,431	1/2	2,900	1/2		1/2		1/2					
3/4	48,508	3/4	36,975	3/4	25,724	3/4	14,191	3/4	2,660	3/4		3/4		3/4					
11	48,268	11	36,734	11	25,483	11	13,950	11	2,420	11		11		11					
1/4	48,028	1/4	36,501	1/4	25,243	1/4	13,710	1/4	2,182	1/4		1/4		1/4					
1/2	47,787	1/2	36,268	1/2	25,003	1/2	13,470	1/2	1,944	1/2		1/2		1/2					
3/4	47,547	3/4	36,035	3/4	24,762	3/4	13,229	3/4	1,706	3/4		3/4		3/4					

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/19/2017 CL
 CALCULATED: 10/20/2017 CL
 PRINTED: 10/20/2017 CL

CANCELS AND SUPERCEDES
 ALL PRIOR TO 10/20/17

PRECISION MEASUREMENT
 & ANALYSIS, INC.

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



BARGE "IB 1982"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-03 1/4"

IN	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	0	160,735	0	150,714	0	139,249	0	127,784	0	116,319	0	104,854	0	93,389	0	81,924	0	70,459	
1/4	1/4	1/4	160,725	1/4	150,745	1/4	139,070	1/4	127,545	1/4	116,080	1/4	104,615	1/4	93,150	1/4	81,685	1/4	70,220	
1/2	1/2	1/2	160,665	1/2	150,237	1/2	138,772	1/2	127,306	1/2	115,841	1/2	104,376	1/2	92,911	1/2	81,220	1/2	69,742	
3/4	3/4	3/4	160,606	3/4	149,998	3/4	138,533	3/4	127,068	3/4	115,602	3/4	103,937	3/4	92,672	3/4	80,968	3/4	69,503	
1	1	1	160,546	1	149,759	1	138,294	1	126,829	1	115,325	1	103,660	1	92,433	1	80,729	1	69,264	
1/4	1/4	1/4	160,486	1/4	149,520	1/4	138,055	1/4	126,591	1/4	115,056	1/4	103,421	1/4	92,102	1/4	80,491	1/4	69,026	
1/2	1/2	1/2	160,347	1/2	149,281	1/2	137,816	1/2	126,351	1/2	114,886	1/2	103,182	1/2	91,717	1/2	80,252	1/2	68,787	
3/4	3/4	3/4	160,208	3/4	149,042	3/4	137,577	3/4	126,112	3/4	114,647	3/4	102,943	3/4	91,478	3/4	80,013	3/4	68,548	
2	2	2	160,068	2	148,804	2	137,338	2	125,873	2	114,408	2	102,704	2	91,239	2	79,774	2	68,309	
1/4	1/4	1/4	159,929	1/4	148,565	1/4	137,100	1/4	125,634	1/4	114,169	1/4	102,465	1/4	91,000	1/4	79,535	1/4	68,070	
1/2	1/2	1/2	159,713	1/2	148,326	1/2	136,861	1/2	125,396	1/2	113,930	1/2	102,227	1/2	90,761	1/2	79,296	1/2	67,831	
3/4	3/4	3/4	159,498	3/4	148,087	3/4	136,622	3/4	125,157	3/4	113,692	3/4	102,000	3/4	90,523	3/4	79,057	3/4	67,592	
3	3	3	159,282	3	147,848	3	136,383	3	124,918	3	113,453	3	101,749	3	90,284	3	78,819	3	67,354	
1/4	1/4	1/4	159,066	1/4	147,609	1/4	136,144	1/4	124,679	1/4	113,214	1/4	101,510	1/4	90,045	1/4	78,580	1/4	67,115	
1/2	1/2	1/2	158,829	1/2	147,370	1/2	135,905	1/2	124,440	1/2	112,975	1/2	101,271	1/2	90,045	1/2	78,341	1/2	66,876	
3/4	3/4	3/4	158,592	3/4	147,132	3/4	135,666	3/4	124,201	3/4	112,736	3/4	101,032	3/4	89,806	3/4	78,102	3/4	66,637	
4	4	4	158,354	4	146,893	4	135,428	4	123,962	4	112,497	4	100,793	4	89,567	4	77,863	4	66,398	
1/4	1/4	1/4	158,117	1/4	146,654	1/4	135,189	1/4	123,724	1/4	112,258	1/4	100,555	1/4	89,328	1/4	77,624	1/4	66,159	
1/2	1/2	1/2	157,879	1/2	146,415	1/2	134,950	1/2	123,485	1/2	112,020	1/2	100,316	1/2	89,089	1/2	77,385	1/2	65,920	
3/4	3/4	3/4	157,640	3/4	146,176	3/4	134,711	3/4	123,246	3/4	111,781	3/4	100,077	3/4	88,851	3/4	77,147	3/4	65,682	
5	5	5	157,402	5	145,937	5	134,472	5	123,007	5	111,542	5	100,077	5	88,612	5	76,908	5	65,443	
1/4	1/4	1/4	157,163	1/4	145,698	1/4	134,233	1/4	122,768	1/4	111,303	1/4	99,838	1/4	88,373	1/4	76,669	1/4	65,204	
1/2	1/2	1/2	156,925	1/2	145,460	1/2	133,994	1/2	122,529	1/2	111,064	1/2	99,599	1/2	88,134	1/2	76,430	1/2	64,965	
3/4	3/4	3/4	156,686	3/4	145,221	3/4	133,756	3/4	122,290	3/4	110,825	3/4	99,360	3/4	87,895	3/4	76,191	3/4	64,726	
6	6	6	156,447	6	144,982	6	133,517	6	122,052	6	110,586	6	99,121	6	87,656	6	75,952	6	64,487	
1/4	1/4	1/4	156,208	1/4	144,743	1/4	133,278	1/4	121,813	1/4	110,348	1/4	98,883	1/4	87,417	1/4	75,713	1/4	64,248	
1/2	1/2	1/2	155,969	1/2	144,504	1/2	133,039	1/2	121,574	1/2	110,109	1/2	98,644	1/2	87,179	1/2	75,475	1/2	64,010	
3/4	3/4	3/4	155,730	3/4	144,265	3/4	132,800	3/4	121,335	3/4	109,870	3/4	98,405	3/4	86,940	3/4	75,236	3/4	63,771	
7	7	7	155,491	7	144,026	7	132,561	7	121,096	7	109,631	7	98,166	7	86,701	7	75,000	7	63,532	
1/4	1/4	1/4	155,253	1/4	143,788	1/4	132,322	1/4	120,857	1/4	109,392	1/4	97,927	1/4	86,462	1/4	74,759	1/4	63,293	
1/2	1/2	1/2	155,014	1/2	143,549	1/2	132,084	1/2	120,618	1/2	109,153	1/2	97,688	1/2	86,223	1/2	74,519	1/2	63,054	
3/4	3/4	3/4	154,775	3/4	143,310	3/4	131,845	3/4	120,380	3/4	108,915	3/4	97,449	3/4	85,984	3/4	74,280	3/4	62,815	
8	8	8	154,536	8	143,071	8	131,606	8	120,141	8	108,676	8	97,211	8	85,745	8	74,041	8	62,576	
1/4	1/4	1/4	154,297	1/4	142,832	1/4	131,367	1/4	119,902	1/4	108,437	1/4	96,972	1/4	85,507	1/4	73,803	1/4	62,338	
1/2	1/2	1/2	154,058	1/2	142,593	1/2	131,128	1/2	119,663	1/2	108,198	1/2	96,733	1/2	85,268	1/2	73,564	1/2	62,099	
3/4	3/4	3/4	153,819	3/4	142,354	3/4	130,889	3/4	119,424	3/4	107,959	3/4	96,494	3/4	85,029	3/4	73,325	3/4	61,860	
9	9	9	153,581	9	142,116	9	130,650	9	119,185	9	107,720	9	96,255	9	84,790	9	73,086	9	61,621	
1/4	1/4	1/4	153,343	1/4	141,877	1/4	130,412	1/4	118,946	1/4	107,484	1/4	96,016	1/4	84,551	1/4	72,847	1/4	61,382	
1/2	1/2	1/2	153,104	1/2	141,638	1/2	130,173	1/2	118,708	1/2	107,243	1/2	95,777	1/2	84,312	1/2	72,608	1/2	61,143	
3/4	3/4	3/4	152,864	3/4	141,399	3/4	129,934	3/4	118,469	3/4	107,004	3/4	95,539	3/4	84,073	3/4	72,369	3/4	60,904	
10	10	10	152,625	10	141,160	10	129,695	10	118,230	10	106,765	10	95,300	10	83,835	10	72,131	10	60,666	
1/4	1/4	1/4	152,386	1/4	140,921	1/4	129,456	1/4	117,991	1/4	106,526	1/4	95,061	1/4	83,596	1/4	71,892	1/4	60,427	
1/2	1/2	1/2	152,147	1/2	140,682	1/2	129,217	1/2	117,752	1/2	106,287	1/2	94,822	1/2	83,357	1/2	71,653	1/2	60,188	
3/4	3/4	3/4	151,909	3/4	140,444	3/4	128,978	3/4	117,513	3/4	106,048	3/4	94,583	3/4	83,118	3/4	71,414	3/4	59,949	
11	11	11	151,670	11	140,205	11	128,740	11	117,274	11	105,809	11	94,344	11	82,879	11	71,175	11	59,710	
1/4	1/4	1/4	151,431	1/4	139,966	1/4	128,501	1/4	117,036	1/4	105,571	1/4	94,105	1/4	82,640	1/4	70,936	1/4	59,471	
1/2	1/2	1/2	151,192	1/2	139,727	1/2	128,262	1/2	116,797	1/2	105,332	1/2	93,867	1/2	82,401	1/2	70,697	1/2	59,232	
3/4	3/4	3/4	150,953	3/4	139,488	3/4	128,023	3/4	116,558	3/4	105,093	3/4	93,628	3/4	82,163	3/4	70,458	3/4	59,000	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH NIMS 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.

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Pearland, Texas 77588
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BARGE "IB 1982"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-03 1/4"

IN	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.
0	58,994	0	47,528	0	36,065	0	24,616	0	13,151	0
1/4	58,755	1/4	47,290	1/4	35,826	1/4	24,377	1/4	12,913	1/4
1/2	58,516	1/2	47,051	1/2	35,588	1/2	24,138	1/2	12,674	1/2
3/4	58,277	3/4	46,812	3/4	35,349	3/4	23,900	3/4	12,435	3/4
1	58,038	1	46,573	1	35,111	1	23,661	1	12,196	1
1/4	57,799	1/4	46,334	1/4	34,872	1/4	23,422	1/4	11,957	1/4
1/2	57,560	1/2	46,095	1/2	34,634	1/2	23,183	1/2	11,718	1/2
3/4	57,322	3/4	45,856	3/4	34,395	3/4	22,944	3/4	11,479	3/4
2	57,083	2	45,618	2	34,157	2	22,705	2	11,241	2
1/4	56,844	1/4	45,379	1/4	33,919	1/4	22,466	1/4	11,002	1/4
1/2	56,605	1/2	45,140	1/2	33,680	1/2	22,228	1/2	10,763	1/2
3/4	56,366	3/4	44,901	3/4	33,442	3/4	21,989	3/4	10,524	3/4
3	56,127	3	44,662	3	33,203	3	21,750	3	10,285	3
1/4	55,888	1/4	44,423	1/4	32,965	1/4	21,511	1/4	10,046	1/4
1/2	55,650	1/2	44,184	1/2	32,727	1/2	21,272	1/2	9,808	1/2
3/4	55,411	3/4	43,946	3/4	32,488	3/4	21,033	3/4	9,569	3/4
4	55,172	4	43,707	4	32,250	4	20,795	4	9,330	4
1/4	54,933	1/4	43,468	1/4	32,011	1/4	20,556	1/4	9,091	1/4
1/2	54,694	1/2	43,229	1/2	31,773	1/2	20,317	1/2	8,852	1/2
3/4	54,455	3/4	42,990	3/4	31,535	3/4	20,078	3/4	8,613	3/4
5	54,216	5	42,751	5	31,296	5	19,839	5	8,374	5
1/4	53,978	1/4	42,512	1/4	31,058	1/4	19,600	1/4	8,135	1/4
1/2	53,739	1/2	42,274	1/2	30,819	1/2	19,361	1/2	7,897	1/2
3/4	53,500	3/4	42,035	3/4	30,581	3/4	19,123	3/4	7,658	3/4
6	53,261	6	41,796	6	30,343	6	18,884	6	7,419	6
1/4	53,022	1/4	41,557	1/4	30,104	1/4	18,645	1/4	7,180	1/4
1/2	52,783	1/2	41,318	1/2	29,866	1/2	18,406	1/2	6,941	1/2
3/4	52,544	3/4	41,079	3/4	29,627	3/4	18,167	3/4	6,703	3/4
7	52,306	7	40,840	7	29,389	7	17,928	7	6,464	7
1/4	52,067	1/4	40,602	1/4	29,151	1/4	17,689	1/4	6,225	1/4
1/2	51,828	1/2	40,363	1/2	28,912	1/2	17,451	1/2	5,986	1/2
3/4	51,589	3/4	40,124	3/4	28,674	3/4	17,212	3/4	5,747	3/4
8	51,350	8	39,885	8	28,435	8	16,973	8	5,508	8
1/4	51,111	1/4	39,646	1/4	28,197	1/4	16,734	1/4	5,270	1/4
1/2	50,872	1/2	39,407	1/2	27,959	1/2	16,495	1/2	5,031	1/2
3/4	50,634	3/4	39,168	3/4	27,720	3/4	16,256	3/4	4,792	3/4
9	50,395	9	38,930	9	27,482	9	16,018	9	4,553	9
1/4	50,156	1/4	38,691	1/4	27,243	1/4	15,779	1/4	4,314	1/4
1/2	49,917	1/2	38,452	1/2	27,005	1/2	15,540	1/2	4,075	1/2
3/4	49,678	3/4	38,213	3/4	26,766	3/4	15,301	3/4	3,837	3/4
10	49,439	10	37,974	10	26,527	10	15,062	10	3,598	10
1/4	49,200	1/4	37,735	1/4	26,288	1/4	14,823	1/4	3,359	1/4
1/2	48,962	1/2	37,496	1/2	26,049	1/2	14,584	1/2	3,121	1/2
3/4	48,723	3/4	37,258	3/4	25,810	3/4	14,346	3/4	2,883	3/4
11	48,484	11	37,019	11	25,571	11	14,107	11	2,644	11
1/4	48,245	1/4	36,780	1/4	25,333	1/4	13,868	1/4	2,406	1/4
1/2	48,006	1/2	36,541	1/2	25,094	1/2	13,629	1/2	2,169	1/2
3/4	47,767	3/4	36,303	3/4	24,856	3/4	13,390	3/4	1,933	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/19/2017 CL
 CALCULATED: 10/20/2017 CL
 PRINTED: 10/20/2017 CL
 CANCEL S AND SUPERCEDES
 ALL PRIOR TO 10/20/17

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