



BARGE "IB 1066"

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	00-1/8	- 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
2 CENTER	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-3/4	00-3/4	- 00-7/8	00-7/8
3 CENTER	- 00-1/8	00-1/8	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-7/8	00-7/8	- 01-0/8	01-0/8

(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 4'-00 1/4"

LENGTH BETWEEN DRAFT MARKS: 163'-00"

September 12, 2013

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

<http://www.pmacorp.net>



BARGE "IB 1066"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-05 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	158,547	0	149,120	0	138,483	0	127,845	0	116,626	0	104,184	0	91,743	0	79,300	0	66,867	
1/4	1/4	158,509	1/4	148,899	1/4	138,261	1/4	127,623	1/4	116,367	1/4	103,925	1/4	91,483	1/4	79,041	1/4	66,608	
1/2	1/2	158,471	1/2	148,677	1/2	138,039	1/2	127,402	1/2	116,108	1/2	103,666	1/2	91,224	1/2	78,782	1/2	66,350	
3/4	3/4	158,432	3/4	148,455	3/4	137,818	3/4	127,180	3/4	115,849	3/4	103,406	3/4	90,965	3/4	78,523	3/4	66,091	
1	1	158,330	1	148,234	1	137,596	1	126,958	1	115,590	1	103,147	1	90,706	1	78,263	1	65,833	
1/4	1/4	158,227	1/4	148,012	1/4	137,374	1/4	126,737	1/4	115,330	1/4	102,888	1/4	90,446	1/4	78,004	1/4	65,574	
1/2	1/2	158,125	1/2	147,790	1/2	137,153	1/2	126,515	1/2	115,071	1/2	102,629	1/2	90,187	1/2	77,745	1/2	65,315	
3/4	3/4	158,022	3/4	147,569	3/4	136,931	3/4	126,293	3/4	114,812	3/4	102,370	3/4	89,928	3/4	77,486	3/4	65,057	
2	2	157,840	2	147,347	2	136,710	2	126,072	2	114,553	2	102,110	2	89,669	2	77,226	2	64,798	
1/4	1/4	157,659	1/4	147,126	1/4	136,488	1/4	125,850	1/4	114,293	1/4	101,851	1/4	89,410	1/4	76,967	1/4	64,540	
1/2	1/2	157,477	1/2	146,904	1/2	136,266	1/2	125,629	1/2	114,034	1/2	101,592	1/2	89,150	1/2	76,708	1/2	64,281	
3/4	3/4	157,296	3/4	146,682	3/4	136,045	3/4	125,407	3/4	113,775	3/4	101,333	3/4	88,891	3/4	76,449	3/4	64,022	
3	3	157,080	3	146,461	3	135,823	3	125,185	3	113,516	3	101,074	3	88,632	3	76,190	3	63,764	
1/4	1/4	156,863	1/4	146,239	1/4	135,601	1/4	124,964	1/4	113,257	1/4	100,814	1/4	88,373	1/4	75,930	1/4	63,505	
1/2	1/2	156,647	1/2	146,018	1/2	135,380	1/2	124,742	1/2	112,997	1/2	100,555	1/2	88,114	1/2	75,671	1/2	63,246	
3/4	3/4	156,431	3/4	145,796	3/4	135,158	3/4	124,521	3/4	112,738	3/4	100,296	3/4	87,854	3/4	75,412	3/4	62,988	
4	4	156,210	4	145,574	4	134,937	4	124,299	4	112,479	4	100,037	4	87,595	4	75,153	4	62,729	
1/4	1/4	155,989	1/4	145,353	1/4	134,715	1/4	124,077	1/4	112,220	1/4	99,778	1/4	87,336	1/4	74,893	1/4	62,471	
1/2	1/2	155,768	1/2	145,131	1/2	134,493	1/2	123,856	1/2	111,961	1/2	99,519	1/2	87,077	1/2	74,634	1/2	62,212	
3/4	3/4	155,547	3/4	144,909	3/4	134,272	3/4	123,634	3/4	111,701	3/4	99,259	3/4	86,817	3/4	74,375	3/4	61,953	
5	5	155,325	5	144,688	5	134,050	5	123,412	5	111,442	5	99,000	5	86,558	5	74,116	5	61,695	
1/4	1/4	155,104	1/4	144,466	1/4	133,829	1/4	123,191	1/4	111,183	1/4	98,741	1/4	86,299	1/4	73,857	1/4	61,436	
1/2	1/2	154,882	1/2	144,245	1/2	133,607	1/2	122,969	1/2	110,924	1/2	98,482	1/2	86,040	1/2	73,597	1/2	61,178	
3/4	3/4	154,661	3/4	144,023	3/4	133,385	3/4	122,748	3/4	110,664	3/4	98,223	3/4	85,781	3/4	73,338	3/4	60,919	
6	6	154,439	6	143,801	6	133,164	6	122,526	6	110,405	6	97,963	6	85,521	6	73,079	6	60,660	
1/4	1/4	154,217	1/4	143,580	1/4	132,942	1/4	122,304	1/4	110,146	1/4	97,704	1/4	85,262	1/4	72,820	1/4	60,401	
1/2	1/2	153,996	1/2	143,358	1/2	132,720	1/2	122,083	1/2	109,887	1/2	97,445	1/2	85,003	1/2	72,561	1/2	60,142	
3/4	3/4	153,774	3/4	143,136	3/4	132,499	3/4	121,861	3/4	109,628	3/4	97,186	3/4	84,744	3/4	72,301	3/4	59,883	
7	7	153,553	7	142,915	7	132,277	7	121,640	7	109,368	7	96,927	7	84,484	7	72,042	7	59,624	
1/4	1/4	153,331	1/4	142,693	1/4	132,056	1/4	121,419	1/4	109,109	1/4	96,667	1/4	84,225	1/4	71,783	1/4	59,365	
1/2	1/2	153,109	1/2	142,472	1/2	131,834	1/2	121,197	1/2	108,850	1/2	96,408	1/2	83,966	1/2	71,524	1/2	59,106	
3/4	3/4	152,888	3/4	142,250	3/4	131,612	3/4	120,976	3/4	108,591	3/4	96,149	3/4	83,707	3/4	71,264	3/4	58,847	
8	8	152,666	8	142,028	8	131,391	8	120,731	8	108,331	8	95,890	8	83,448	8	71,006	8	58,588	
1/4	1/4	152,444	1/4	141,807	1/4	131,169	1/4	120,486	1/4	108,072	1/4	95,631	1/4	83,188	1/4	70,747	1/4	58,329	
1/2	1/2	152,223	1/2	141,585	1/2	130,947	1/2	120,241	1/2	107,813	1/2	95,371	1/2	82,929	1/2	70,488	1/2	58,070	
3/4	3/4	152,001	3/4	141,364	3/4	130,726	3/4	119,996	3/4	107,554	3/4	95,112	3/4	82,670	3/4	70,229	3/4	57,811	
9	9	151,780	9	141,142	9	130,504	9	119,737	9	107,295	9	94,853	9	82,411	9	69,970	9	57,552	
1/4	1/4	151,558	1/4	140,920	1/4	130,283	1/4	119,478	1/4	107,035	1/4	94,594	1/4	82,152	1/4	69,712	1/4	57,292	
1/2	1/2	151,336	1/2	140,699	1/2	130,061	1/2	119,219	1/2	106,776	1/2	94,335	1/2	81,892	1/2	69,453	1/2	57,033	
3/4	3/4	151,115	3/4	140,477	3/4	129,839	3/4	118,959	3/4	106,517	3/4	94,075	3/4	81,633	3/4	69,195	3/4	56,774	
10	10	150,893	10	140,255	10	129,618	10	118,700	10	106,258	10	93,816	10	81,374	10	68,936	10	56,515	
1/4	1/4	150,672	1/4	140,034	1/4	129,396	1/4	118,441	1/4	105,999	1/4	93,557	1/4	81,115	1/4	68,677	1/4	56,256	
1/2	1/2	150,450	1/2	139,812	1/2	129,175	1/2	118,182	1/2	105,739	1/2	93,298	1/2	80,855	1/2	68,419	1/2	55,997	
3/4	3/4	150,228	3/4	139,591	3/4	128,953	3/4	117,922	3/4	105,480	3/4	93,039	3/4	80,596	3/4	68,160	3/4	55,738	
11	11	150,007	11	139,369	11	128,731	11	117,663	11	105,221	11	92,779	11	80,337	11	67,902	11	55,479	
1/4	1/4	149,785	1/4	139,147	1/4	128,510	1/4	117,404	1/4	104,962	1/4	92,520	1/4	80,078	1/4	67,643	1/4	55,220	
1/2	1/2	149,563	1/2	138,926	1/2	128,288	1/2	117,145	1/2	104,702	1/2	92,261	1/2	79,819	1/2	67,384	1/2	54,961	
3/4	3/4	158,586	3/4	149,342	3/4	138,704	3/4	128,066	3/4	116,886	3/4	104,443	3/4	92,002	3/4	67,126	3/4	54,702	

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'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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BARGE "IB 1066"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-05 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	54,442	0	42,006	0	29,813	0	17,377	0	4,933	0		0		0		0		0	
1/4	54,183	1/4	41,747	1/4	29,556	1/4	17,118	1/4	4,675	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	53,924	1/2	41,488	1/2	29,299	1/2	16,859	1/2	4,416	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	53,665	3/4	41,229	3/4	29,042	3/4	16,599	3/4	4,158	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	53,406	1	40,970	1	28,783	1	16,340	1	3,901	1		1		1		1		1	
1/4	53,147	1/4	40,711	1/4	28,524	1/4	16,081	1/4	3,643	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	52,888	1/2	40,452	1/2	28,264	1/2	15,822	1/2	3,386	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	52,629	3/4	40,193	3/4	28,005	3/4	15,562	3/4	3,129	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	52,370	2	39,938	2	27,746	2	15,303	2	2,874	2		2		2		2		2	
1/4	52,111	1/4	39,682	1/4	27,487	1/4	15,044	1/4	2,619	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	51,852	1/2	39,427	1/2	27,228	1/2	14,785	1/2	2,363	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	51,593	3/4	39,172	3/4	26,968	3/4	14,526	3/4	2,108	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	51,333	3	38,919	3	26,709	3	14,266	3	1,878	3		3		3		3		3	
1/4	51,074	1/4	38,666	1/4	26,450	1/4	14,007	1/4	1,647	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	50,815	1/2	38,413	1/2	26,191	1/2	13,748	1/2	1,417	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	50,556	3/4	38,160	3/4	25,931	3/4	13,489	3/4	1,186	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	50,297	4	37,908	4	25,672	4	13,229	4	1,024	4		4		4		4		4	
1/4	50,038	1/4	37,655	1/4	25,413	1/4	12,970	1/4	862	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	49,779	1/2	37,402	1/2	25,154	1/2	12,711	1/2	700	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	49,520	3/4	37,149	3/4	24,895	3/4	12,452	3/4	538	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	49,261	5	36,896	5	24,635	5	12,192	5	462	5		5		5		5		5	
1/4	49,002	1/4	36,643	1/4	24,376	1/4	11,933	1/4	386	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	48,743	1/2	36,390	1/2	24,117	1/2	11,674	1/2	310	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	48,483	3/4	36,138	3/4	23,858	3/4	11,415	3/4	235	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	48,224	6	35,885	6	23,598	6	11,156	6		6		6		6		6		6	
1/4	47,965	1/4	35,632	1/4	23,339	1/4	10,896	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	47,706	1/2	35,379	1/2	23,080	1/2	10,637	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	47,447	3/4	35,126	3/4	22,821	3/4	10,378	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	47,188	7	34,873	7	22,562	7	10,118	7		7		7		7		7		7	
1/4	46,929	1/4	34,621	1/4	22,302	1/4	9,859	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	46,670	1/2	34,368	1/2	22,043	1/2	9,600	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	46,411	3/4	34,115	3/4	21,784	3/4	9,340	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	46,152	8	33,862	8	21,525	8	9,081	8		8		8		8		8		8	
1/4	45,893	1/4	33,609	1/4	21,265	1/4	8,821	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	45,634	1/2	33,356	1/2	21,006	1/2	8,562	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	45,374	3/4	33,104	3/4	20,747	3/4	8,302	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	45,115	9	32,851	9	20,488	9	8,043	9		9		9		9		9		9	
1/4	44,856	1/4	32,598	1/4	20,229	1/4	7,784	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	44,597	1/2	32,345	1/2	19,969	1/2	7,524	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	44,338	3/4	32,092	3/4	19,710	3/4	7,265	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	44,079	10	31,839	10	19,451	10	7,006	10		10		10		10		10		10	
1/4	43,820	1/4	31,587	1/4	19,192	1/4	6,746	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	43,561	1/2	31,334	1/2	18,932	1/2	6,487	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	43,302	3/4	31,081	3/4	18,673	3/4	6,228	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	43,043	11	30,828	11	18,414	11	5,969	11		11		11		11		11		11	
1/4	42,784	1/4	30,575	1/4	18,155	1/4	5,710	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	42,524	1/2	30,322	1/2	17,895	1/2	5,451	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	42,265	3/4	30,069	3/4	17,636	3/4	5,192	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/12/2013 CL
CALCULATED: 09/12/2013 CL
PRINTED: 09/12/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "IB 1066"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-06 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0	137,329	0	126,257	0	115,184	0	104,112	0	93,040	0	81,967	0	70,895	0	59,823
1/4	1/4	146,882	1/4	137,098	1/4	126,026	1/4	114,954	1/4	103,881	1/4	92,809	1/4	81,737	1/4	70,664	1/4	59,592	
1/2	1/2	146,827	1/2	136,868	1/2	125,795	1/2	114,723	1/2	103,651	1/2	92,578	1/2	81,506	1/2	70,434	1/2	59,361	
3/4	3/4	146,772	3/4	136,637	3/4	125,565	3/4	114,492	3/4	103,420	3/4	92,348	3/4	81,275	3/4	70,203	3/4	59,131	
1		1		1	136,406	1	125,334	1	114,262	1	103,189	1	92,117	1	81,045	1	69,972	1	58,900
1/4	1/4	146,661	1/4	136,176	1/4	125,103	1/4	114,031	1/4	102,959	1/4	91,886	1/4	80,814	1/4	69,742	1/4	58,669	
1/2	1/2	146,536	1/2	135,945	1/2	124,873	1/2	113,800	1/2	102,728	1/2	91,656	1/2	80,583	1/2	69,511	1/2	58,439	
3/4	3/4	146,411	3/4	135,714	3/4	124,642	3/4	113,570	3/4	102,497	3/4	91,425	3/4	80,353	3/4	69,280	3/4	58,208	
2		2		2	135,484	2	124,411	2	113,339	2	102,267	2	91,194	2	80,122	2	69,050	2	57,977
1/4	1/4	146,161	1/4	135,253	1/4	124,181	1/4	113,108	1/4	102,036	1/4	90,964	1/4	79,891	1/4	68,819	1/4	57,747	
1/2	1/2	145,966	1/2	135,022	1/2	123,950	1/2	112,878	1/2	101,805	1/2	90,733	1/2	79,661	1/2	68,588	1/2	57,516	
3/4	3/4	145,771	3/4	134,792	3/4	123,719	3/4	112,647	3/4	101,575	3/4	90,502	3/4	79,430	3/4	68,358	3/4	57,285	
3		3		3	134,561	3	123,489	3	112,416	3	101,344	3	90,272	3	79,199	3	68,127	3	57,055
1/4	1/4	145,381	1/4	134,330	1/4	123,258	1/4	112,186	1/4	101,113	1/4	90,041	1/4	78,969	1/4	67,896	1/4	56,824	
1/2	1/2	145,155	1/2	134,100	1/2	123,027	1/2	111,955	1/2	100,883	1/2	89,810	1/2	78,738	1/2	67,666	1/2	56,593	
3/4	3/4	144,929	3/4	133,869	3/4	122,797	3/4	111,724	3/4	100,652	3/4	89,580	3/4	78,507	3/4	67,435	3/4	56,362	
4		4		4	133,638	4	122,566	4	111,494	4	100,421	4	89,349	4	78,277	4	67,204	4	56,132
1/4	1/4	144,477	1/4	133,408	1/4	122,335	1/4	111,263	1/4	100,191	1/4	89,118	1/4	78,046	1/4	66,973	1/4	55,901	
1/2	1/2	144,247	1/2	133,177	1/2	122,105	1/2	111,032	1/2	99,960	1/2	88,887	1/2	77,815	1/2	66,743	1/2	55,670	
3/4	3/4	144,017	3/4	132,946	3/4	121,874	3/4	110,802	3/4	99,729	3/4	88,657	3/4	77,584	3/4	66,512	3/4	55,440	
5		5		5	132,716	5	121,643	5	110,571	5	99,498	5	88,426	5	77,354	5	66,281	5	55,209
1/4	1/4	143,557	1/4	132,485	1/4	121,413	1/4	110,340	1/4	99,268	1/4	88,195	1/4	77,123	1/4	66,051	1/4	54,978	
1/2	1/2	143,326	1/2	132,254	1/2	121,182	1/2	110,109	1/2	99,037	1/2	87,965	1/2	76,892	1/2	65,820	1/2	54,748	
3/4	3/4	143,096	3/4	132,023	3/4	120,951	3/4	109,879	3/4	98,806	3/4	87,734	3/4	76,662	3/4	65,589	3/4	54,517	
6		6		6	131,793	6	120,720	6	109,648	6	98,576	6	87,503	6	76,431	6	65,359	6	54,286
1/4	1/4	142,634	1/4	131,562	1/4	120,490	1/4	109,417	1/4	98,345	1/4	87,273	1/4	76,200	1/4	65,128	1/4	54,056	
1/2	1/2	142,404	1/2	131,331	1/2	120,259	1/2	109,187	1/2	98,114	1/2	87,042	1/2	75,970	1/2	64,897	1/2	53,825	
3/4	3/4	142,173	3/4	131,101	3/4	120,028	3/4	108,956	3/4	97,884	3/4	86,811	3/4	75,739	3/4	64,667	3/4	53,594	
7		7		7	130,870	7	119,798	7	108,725	7	97,653	7	86,581	7	75,508	7	64,436	7	53,364
1/4	1/4	141,712	1/4	130,639	1/4	119,567	1/4	108,495	1/4	97,422	1/4	86,350	1/4	75,278	1/4	64,205	1/4	53,133	
1/2	1/2	141,481	1/2	130,409	1/2	119,336	1/2	108,264	1/2	97,192	1/2	86,119	1/2	75,047	1/2	63,975	1/2	52,902	
3/4	3/4	141,250	3/4	130,178	3/4	119,106	3/4	108,033	3/4	96,961	3/4	85,889	3/4	74,816	3/4	63,744	3/4	52,672	
8		8		8	129,947	8	118,875	8	107,803	8	96,730	8	85,658	8	74,586	8	63,513	8	52,441
1/4	1/4	140,789	1/4	129,717	1/4	118,644	1/4	107,572	1/4	96,500	1/4	85,427	1/4	74,355	1/4	63,283	1/4	52,210	
1/2	1/2	140,558	1/2	129,486	1/2	118,414	1/2	107,341	1/2	96,269	1/2	85,197	1/2	74,124	1/2	63,052	1/2	51,980	
3/4	3/4	140,328	3/4	129,255	3/4	118,183	3/4	107,111	3/4	96,038	3/4	84,966	3/4	73,894	3/4	62,821	3/4	51,749	
9		9		9	129,025	9	117,952	9	106,880	9	95,808	9	84,735	9	73,663	9	62,591	9	51,518
1/4	1/4	139,866	1/4	128,794	1/4	117,722	1/4	106,649	1/4	95,577	1/4	84,505	1/4	73,432	1/4	62,360	1/4	51,288	
1/2	1/2	139,636	1/2	128,563	1/2	117,491	1/2	106,419	1/2	95,346	1/2	84,274	1/2	73,202	1/2	62,129	1/2	51,057	
3/4	3/4	139,405	3/4	128,333	3/4	117,260	3/4	106,188	3/4	95,116	3/4	84,043	3/4	72,971	3/4	61,899	3/4	50,826	
10		10		10	128,102	10	117,030	10	105,957	10	94,885	10	83,813	10	72,740	10	61,668	10	50,596
1/4	1/4	138,944	1/4	127,871	1/4	116,799	1/4	105,727	1/4	94,654	1/4	83,582	1/4	72,510	1/4	61,437	1/4	50,365	
1/2	1/2	138,713	1/2	127,641	1/2	116,568	1/2	105,496	1/2	94,424	1/2	83,351	1/2	72,279	1/2	61,207	1/2	50,134	
3/4	3/4	138,482	3/4	127,410	3/4	116,338	3/4	105,265	3/4	94,193	3/4	83,121	3/4	72,048	3/4	60,976	3/4	49,904	
11		11		11	127,179	11	116,107	11	105,035	11	93,962	11	82,890	11	71,818	11	60,745	11	49,673
1/4	1/4	138,021	1/4	126,949	1/4	115,876	1/4	104,804	1/4	93,732	1/4	82,659	1/4	71,587	1/4	60,515	1/4	49,442	
1/2	1/2	137,790	1/2	126,718	1/2	115,646	1/2	104,573	1/2	93,501	1/2	82,429	1/2	71,356	1/2	60,284	1/2	49,212	
3/4	3/4	137,560	3/4	126,487	3/4	115,415	3/4	104,343	3/4	93,270	3/4	82,198	3/4	71,126	3/4	60,053	3/4	48,981	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 24'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "IB 1066"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-06 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	48,750	0	37,678	0	26,842	0	15,786	0	4,716	0		0		0		0		0	
1/4	48,520	1/4	37,447	1/4	26,618	1/4	15,555	1/4	4,486	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	48,289	1/2	37,217	1/2	26,389	1/2	15,325	1/2	4,257	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	48,058	3/4	36,986	3/4	26,161	3/4	15,094	3/4	4,027	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	47,828	1	36,755	1	25,933	1	14,863	1	3,798	1		1		1		1		1	
1/4	47,597	1/4	36,525	1/4	25,704	1/4	14,633	1/4	3,568	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	47,366	1/2	36,294	1/2	25,474	1/2	14,402	1/2	3,340	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	47,136	3/4	36,063	3/4	25,243	3/4	14,171	3/4	3,111	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	46,905	2	35,833	2	25,012	2	13,941	2	2,883	2		2		2		2		2	
1/4	46,674	1/4	35,602	1/4	24,782	1/4	13,710	1/4	2,654	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	46,444	1/2	35,375	1/2	24,551	1/2	13,479	1/2	2,428	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	46,213	3/4	35,148	3/4	24,320	3/4	13,249	3/4	2,201	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	45,982	3	34,922	3	24,090	3	13,018	3	1,974	3		3		3		3		3	
1/4	45,751	1/4	34,695	1/4	23,859	1/4	12,787	1/4	1,748	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	45,521	1/2	34,470	1/2	23,628	1/2	12,557	1/2	1,543	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	45,290	3/4	34,246	3/4	23,398	3/4	12,326	3/4	1,338	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	45,059	4	34,022	4	23,167	4	12,095	4	1,134	4		4		4		4		4	
1/4	44,829	1/4	33,797	1/4	22,936	1/4	11,865	1/4	929	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	44,598	1/2	33,573	1/2	22,706	1/2	11,634	1/2	785	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	44,367	3/4	33,348	3/4	22,475	3/4	11,403	3/4	641	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	44,137	5	33,124	5	22,244	5	11,173	5	497	5		5		5		5		5	
1/4	43,906	1/4	32,900	1/4	22,014	1/4	10,942	1/4	353	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	43,675	1/2	32,675	1/2	21,783	1/2	10,711	1/2	286	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	43,445	3/4	32,451	3/4	21,552	3/4	10,481	3/4	219	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	43,214	6	32,227	6	21,322	6	10,250	6	151	6		6		6		6		6	
1/4	42,983	1/4	32,002	1/4	21,091	1/4	10,019	1/4	84	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	42,753	1/2	31,778	1/2	20,860	1/2	9,789	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	42,522	3/4	31,553	3/4	20,630	3/4	9,558	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	42,291	7	31,329	7	20,399	7	9,327	7		7		7		7		7		7	
1/4	42,061	1/4	31,105	1/4	20,168	1/4	9,097	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	41,830	1/2	30,880	1/2	19,938	1/2	8,866	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	41,599	3/4	30,656	3/4	19,707	3/4	8,635	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	41,369	8	30,432	8	19,476	8	8,405	8		8		8		8		8		8	
1/4	41,138	1/4	30,207	1/4	19,246	1/4	8,174	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	40,907	1/2	29,983	1/2	19,015	1/2	7,943	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	40,677	3/4	29,759	3/4	18,784	3/4	7,713	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	40,446	9	29,534	9	18,554	9	7,482	9		9		9		9		9		9	
1/4	40,215	1/4	29,310	1/4	18,323	1/4	7,251	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	39,985	1/2	29,086	1/2	18,092	1/2	7,021	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	39,754	3/4	28,861	3/4	17,862	3/4	6,790	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	39,523	10	28,637	10	17,631	10	6,559	10		10		10		10		10		10	
1/4	39,293	1/4	28,412	1/4	17,400	1/4	6,329	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	39,062	1/2	28,188	1/2	17,170	1/2	6,098	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	38,831	3/4	27,964	3/4	16,939	3/4	5,868	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	38,601	11	27,739	11	16,708	11	5,637	11		11		11		11		11		11	
1/4	38,370	1/4	27,515	1/4	16,478	1/4	5,407	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	38,139	1/2	27,291	1/2	16,247	1/2	5,177	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	37,909	3/4	27,066	3/4	16,016	3/4	4,947	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/12/2013 CL
CALCULATED: 09/12/2013 CL
PRINTED: 09/12/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2013

PRECISION MEASUREMENT
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BARGE "IB 1066"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-06"

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	
0		0	145,758	0	136,065	0	125,095	0	114,125	0	103,154	0	92,184	0	81,214	0	70,244	0	59,274
1/4		1/4	145,704	1/4	135,836	1/4	124,866	1/4	113,896	1/4	102,926	1/4	91,956	1/4	80,986	1/4	70,016	1/4	59,046
1/2		1/2	145,649	1/2	135,608	1/2	124,638	1/2	113,667	1/2	102,697	1/2	91,727	1/2	80,757	1/2	69,787	1/2	58,817
3/4		3/4	145,594	3/4	135,379	3/4	124,409	3/4	113,439	3/4	102,469	3/4	91,499	3/4	80,529	3/4	69,559	3/4	58,588
1		1	145,539	1	135,151	1	124,180	1	113,210	1	102,240	1	91,270	1	80,300	1	69,330	1	58,360
1/4		1/4	145,415	1/4	134,922	1/4	123,952	1/4	112,982	1/4	102,012	1/4	91,042	1/4	80,072	1/4	69,101	1/4	58,131
1/2		1/2	145,292	1/2	134,694	1/2	123,723	1/2	112,753	1/2	101,783	1/2	90,813	1/2	79,843	1/2	68,873	1/2	57,903
3/4		3/4	145,168	3/4	134,465	3/4	123,495	3/4	112,525	3/4	101,555	3/4	90,585	3/4	79,614	3/4	68,644	3/4	57,674
2		2	145,044	2	134,236	2	123,266	2	112,296	2	101,326	2	90,356	2	79,386	2	68,416	2	57,446
1/4		1/4	144,851	1/4	134,008	1/4	123,038	1/4	112,068	1/4	101,098	1/4	90,127	1/4	79,157	1/4	68,187	1/4	57,217
1/2		1/2	144,658	1/2	133,779	1/2	122,809	1/2	111,839	1/2	100,869	1/2	89,899	1/2	78,929	1/2	67,959	1/2	56,989
3/4		3/4	144,464	3/4	133,551	3/4	122,581	3/4	111,611	3/4	100,640	3/4	89,670	3/4	78,700	3/4	67,730	3/4	56,760
3		3	144,271	3	133,322	3	122,352	3	111,382	3	100,412	3	89,442	3	78,472	3	67,502	3	56,532
1/4		1/4	144,047	1/4	133,094	1/4	122,124	1/4	111,153	1/4	100,183	1/4	89,213	1/4	78,243	1/4	67,273	1/4	56,303
1/2		1/2	143,823	1/2	132,865	1/2	121,895	1/2	110,925	1/2	99,955	1/2	88,985	1/2	78,015	1/2	67,045	1/2	56,074
3/4		3/4	143,600	3/4	132,637	3/4	121,667	3/4	110,696	3/4	99,726	3/4	88,756	3/4	77,786	3/4	66,816	3/4	55,846
4		4	143,376	4	132,408	4	121,438	4	110,468	4	99,498	4	88,528	4	77,558	4	66,587	4	55,617
1/4		1/4	143,148	1/4	132,180	1/4	121,209	1/4	110,239	1/4	99,269	1/4	88,299	1/4	77,329	1/4	66,359	1/4	55,389
1/2		1/2	142,920	1/2	131,951	1/2	120,981	1/2	110,011	1/2	99,041	1/2	88,071	1/2	77,100	1/2	66,130	1/2	55,160
3/4		3/4	142,692	3/4	131,722	3/4	120,752	3/4	109,782	3/4	98,812	3/4	87,842	3/4	76,872	3/4	65,902	3/4	54,932
5		5	142,464	5	131,494	5	120,524	5	109,554	5	98,584	5	87,613	5	76,643	5	65,673	5	54,703
1/4		1/4	142,235	1/4	131,265	1/4	120,295	1/4	109,325	1/4	98,355	1/4	87,385	1/4	76,415	1/4	65,445	1/4	54,475
1/2		1/2	142,007	1/2	131,037	1/2	120,067	1/2	109,097	1/2	98,127	1/2	87,156	1/2	76,186	1/2	65,216	1/2	54,246
3/4		3/4	141,778	3/4	130,808	3/4	119,838	3/4	108,868	3/4	97,898	3/4	86,928	3/4	75,958	3/4	64,988	3/4	54,018
6		6	141,550	6	130,580	6	119,610	6	108,640	6	97,669	6	86,699	6	75,729	6	64,759	6	53,789
1/4		1/4	141,321	1/4	130,351	1/4	119,381	1/4	108,411	1/4	97,441	1/4	86,471	1/4	75,501	1/4	64,531	1/4	53,560
1/2		1/2	141,093	1/2	130,123	1/2	119,153	1/2	108,182	1/2	97,212	1/2	86,242	1/2	75,272	1/2	64,302	1/2	53,332
3/4		3/4	140,864	3/4	129,894	3/4	118,924	3/4	107,954	3/4	96,984	3/4	86,014	3/4	75,044	3/4	64,073	3/4	53,103
7		7	140,636	7	129,666	7	118,695	7	107,725	7	96,755	7	85,785	7	74,815	7	63,845	7	52,875
1/4		1/4	140,407	1/4	129,437	1/4	118,467	1/4	107,497	1/4	96,527	1/4	85,557	1/4	74,586	1/4	63,616	1/4	52,646
1/2		1/2	140,179	1/2	129,208	1/2	118,238	1/2	107,268	1/2	96,298	1/2	85,328	1/2	74,358	1/2	63,388	1/2	52,418
3/4		3/4	139,950	3/4	128,980	3/4	118,010	3/4	107,040	3/4	96,070	3/4	85,100	3/4	74,129	3/4	63,159	3/4	52,189
8		8	139,721	8	128,751	8	117,781	8	106,811	8	95,841	8	84,871	8	73,901	8	62,931	8	51,961
1/4		1/4	139,493	1/4	128,523	1/4	117,553	1/4	106,583	1/4	95,613	1/4	84,642	1/4	73,672	1/4	62,702	1/4	51,732
1/2		1/2	139,264	1/2	128,294	1/2	117,324	1/2	106,354	1/2	95,384	1/2	84,414	1/2	73,444	1/2	62,474	1/2	51,504
3/4		3/4	139,036	3/4	128,066	3/4	117,096	3/4	106,126	3/4	95,155	3/4	84,185	3/4	73,215	3/4	62,245	3/4	51,275
9		9	138,807	9	127,837	9	116,867	9	105,897	9	94,927	9	83,957	9	72,987	9	62,017	9	51,046
1/4		1/4	138,579	1/4	127,609	1/4	116,639	1/4	105,668	1/4	94,698	1/4	83,728	1/4	72,758	1/4	61,788	1/4	50,818
1/2		1/2	138,350	1/2	127,380	1/2	116,410	1/2	105,440	1/2	94,470	1/2	83,500	1/2	72,530	1/2	61,559	1/2	50,589
3/4		3/4	138,122	3/4	127,152	3/4	116,181	3/4	105,211	3/4	94,241	3/4	83,271	3/4	72,301	3/4	61,331	3/4	50,361
10		10	137,893	10	126,923	10	115,953	10	104,983	10	94,013	10	83,043	10	72,073	10	61,102	10	50,132
1/4		1/4	137,665	1/4	126,694	1/4	115,724	1/4	104,754	1/4	93,784	1/4	82,814	1/4	71,844	1/4	60,874	1/4	49,904
1/2		1/2	137,436	1/2	126,466	1/2	115,496	1/2	104,526	1/2	93,556	1/2	82,586	1/2	71,615	1/2	60,645	1/2	49,675
3/4		3/4	137,207	3/4	126,237	3/4	115,267	3/4	104,297	3/4	93,327	3/4	82,357	3/4	71,387	3/4	60,417	3/4	49,447
11		11	136,979	11	126,009	11	115,039	11	104,069	11	93,099	11	82,128	11	71,158	11	60,188	11	49,218
1/4		1/4	136,750	1/4	125,780	1/4	114,810	1/4	103,840	1/4	92,870	1/4	81,900	1/4	70,930	1/4	59,960	1/4	48,990
1/2		1/2	136,522	1/2	125,552	1/2	114,582	1/2	103,612	1/2	92,641	1/2	81,671	1/2	70,701	1/2	59,731	1/2	48,761
3/4		3/4	136,293	3/4	125,323	3/4	114,353	3/4	103,383	3/4	92,413	3/4	81,443	3/4	70,473	3/4	59,503	3/4	48,532

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 24'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "IB 1066"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-06"

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	48,304	0	37,334	0	26,381	0	15,412	0	4,445	0		0		0		0		0	
1/4	48,075	1/4	37,105	1/4	26,152	1/4	15,183	1/4	4,218	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	47,847	1/2	36,877	1/2	25,924	1/2	14,955	1/2	3,990	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	47,618	3/4	36,648	3/4	25,696	3/4	14,726	3/4	3,763	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	47,390	1	36,420	1	25,467	1	14,498	1	3,536	1		1		1		1		1	
1/4	47,161	1/4	36,191	1/4	25,239	1/4	14,269	1/4	3,309	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	46,933	1/2	35,963	1/2	25,010	1/2	14,041	1/2	3,083	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	46,704	3/4	35,734	3/4	24,782	3/4	13,812	3/4	2,857	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	46,476	2	35,506	2	24,553	2	13,583	2	2,630	2		2		2		2		2	
1/4	46,247	1/4	35,277	1/4	24,325	1/4	13,355	1/4	2,406	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	46,019	1/2	35,049	1/2	24,096	1/2	13,126	1/2	2,181	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	45,790	3/4	34,821	3/4	23,868	3/4	12,898	3/4	1,956	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	45,561	3	34,592	3	23,639	3	12,669	3	1,732	3		3		3		3		3	
1/4	45,333	1/4	34,364	1/4	23,410	1/4	12,441	1/4	1,529	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	45,104	1/2	34,136	1/2	23,182	1/2	12,212	1/2	1,326	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	44,876	3/4	33,908	3/4	22,953	3/4	11,984	3/4	1,124	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	44,647	4	33,680	4	22,725	4	11,755	4	921	4		4		4		4		4	
1/4	44,419	1/4	33,452	1/4	22,496	1/4	11,527	1/4	778	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	44,190	1/2	33,223	1/2	22,268	1/2	11,298	1/2	635	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	43,962	3/4	32,995	3/4	22,039	3/4	11,070	3/4	493	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	43,733	5	32,767	5	21,811	5	10,841	5	350	5		5		5		5		5	
1/4	43,505	1/4	32,539	1/4	21,582	1/4	10,613	1/4	283	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	43,276	1/2	32,311	1/2	21,354	1/2	10,384	1/2	217	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	43,047	3/4	32,083	3/4	21,125	3/4	10,155	3/4	150	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	42,819	6	31,855	6	20,897	6	9,927	6	83	6		6		6		6		6	
1/4	42,590	1/4	31,627	1/4	20,668	1/4	9,698	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	42,362	1/2	31,399	1/2	20,440	1/2	9,470	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	42,133	3/4	31,171	3/4	20,211	3/4	9,241	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	41,905	7	30,943	7	19,982	7	9,013	7		7		7		7		7		7	
1/4	41,676	1/4	30,714	1/4	19,754	1/4	8,784	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	41,448	1/2	30,486	1/2	19,525	1/2	8,556	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	41,219	3/4	30,258	3/4	19,297	3/4	8,327	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	40,991	8	30,030	8	19,068	8	8,099	8		8		8		8		8		8	
1/4	40,762	1/4	29,802	1/4	18,840	1/4	7,870	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	40,533	1/2	29,574	1/2	18,611	1/2	7,642	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	40,305	3/4	29,346	3/4	18,383	3/4	7,413	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	40,076	9	29,118	9	18,154	9	7,185	9		9		9		9		9		9	
1/4	39,848	1/4	28,890	1/4	17,926	1/4	6,956	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	39,619	1/2	28,662	1/2	17,697	1/2	6,728	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	39,391	3/4	28,434	3/4	17,469	3/4	6,499	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	39,162	10	28,205	10	17,240	10	6,271	10		10		10		10		10		10	
1/4	38,934	1/4	27,977	1/4	17,012	1/4	6,042	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	38,705	1/2	27,749	1/2	16,783	1/2	5,814	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	38,477	3/4	27,521	3/4	16,554	3/4	5,585	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	38,248	11	27,293	11	16,326	11	5,357	11		11		11		11		11		11	
1/4	38,019	1/4	27,065	1/4	16,097	1/4	5,129	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	37,791	1/2	26,837	1/2	15,869	1/2	4,901	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	37,562	3/4	26,609	3/4	15,640	3/4	4,673	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2013

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