



BARGE "IB 1068"

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	- 00-3/8	00-3/8	- 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	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-3/4	00-3/4

(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 20, 2013

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "IB 1068"

1 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	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0	158,886	0	149,625	0	138,967	0	128,309	0	117,107	0	104,641	0	92,176	0	79,710	0	67,253
1/4	1/4	158,848	158,848	149,403	149,403	138,745	138,745	128,087	128,087	116,847	116,847	104,381	104,381	91,916	91,916	79,450	79,450	66,994	66,994
1/2	1/2	158,809	158,809	149,181	149,181	138,523	138,523	127,865	127,865	116,588	116,588	104,122	104,122	91,657	91,657	79,191	79,191	66,735	66,735
3/4	3/4	158,771	158,771	148,959	148,959	138,301	138,301	127,643	127,643	116,328	116,328	103,862	103,862	91,397	91,397	78,931	78,931	66,476	66,476
1		1	158,732	1	148,737	1	138,079	1	127,421	1	116,068	1	103,602	1	91,137	1	78,671	1	66,216
1/4	1/4	158,630	158,630	148,515	148,515	137,857	137,857	127,199	127,199	115,808	115,808	103,343	103,343	90,877	90,877	78,412	78,412	65,957	65,957
1/2	1/2	158,527	158,527	148,292	148,292	137,635	137,635	126,977	126,977	115,549	115,549	103,083	103,083	90,618	90,618	78,152	78,152	65,698	65,698
3/4	3/4	158,424	158,424	148,070	148,070	137,413	137,413	126,755	126,755	115,289	115,289	102,823	102,823	90,358	90,358	77,892	77,892	65,439	65,439
2		2	158,321	2	147,848	2	137,191	2	126,533	2	115,029	2	102,563	2	90,098	2	77,632	2	65,180
1/4	1/4	158,139	158,139	147,626	147,626	136,969	136,969	126,311	126,311	114,770	114,770	102,304	102,304	89,839	89,839	77,373	77,373	64,921	64,921
1/2	1/2	157,958	157,958	147,404	147,404	136,746	136,746	126,089	126,089	114,510	114,510	102,044	102,044	89,579	89,579	77,113	77,113	64,662	64,662
3/4	3/4	157,776	157,776	147,182	147,182	136,524	136,524	125,867	125,867	114,250	114,250	101,784	101,784	89,319	89,319	76,853	76,853	64,403	64,403
3		3	157,594	3	146,960	3	136,302	3	125,645	3	113,991	3	101,525	3	89,060	3	76,594	3	64,144
1/4	1/4	157,377	157,377	146,738	146,738	136,080	136,080	125,423	125,423	113,731	113,731	101,265	101,265	88,800	88,800	76,334	76,334	63,885	63,885
1/2	1/2	157,161	157,161	146,516	146,516	135,858	135,858	125,200	125,200	113,471	113,471	101,005	101,005	88,540	88,540	76,074	76,074	63,625	63,625
3/4	3/4	156,944	156,944	146,294	146,294	135,636	135,636	124,978	124,978	113,211	113,211	100,746	100,746	88,280	88,280	75,814	75,814	63,366	63,366
4		4	156,727	4	146,072	4	135,414	4	124,756	4	112,952	4	100,486	4	88,021	4	75,555	4	63,107
1/4	1/4	156,506	156,506	145,850	145,850	135,192	135,192	124,534	124,534	112,692	112,692	100,226	100,226	87,761	87,761	75,295	75,295	62,848	62,848
1/2	1/2	156,284	156,284	145,628	145,628	134,970	134,970	124,312	124,312	112,432	112,432	99,967	99,967	87,501	87,501	75,035	75,035	62,589	62,589
3/4	3/4	156,063	156,063	145,406	145,406	134,748	134,748	124,090	124,090	112,173	112,173	99,707	99,707	87,242	87,242	74,776	74,776	62,330	62,330
5		5	155,841	5	145,184	5	134,526	5	123,868	5	111,913	5	99,447	5	86,982	5	74,516	5	62,071
1/4	1/4	155,619	155,619	144,962	144,962	134,304	134,304	123,646	123,646	111,653	111,653	99,188	99,188	86,722	86,722	74,256	74,256	61,812	61,812
1/2	1/2	155,397	155,397	144,740	144,740	134,082	134,082	123,424	123,424	111,393	111,393	98,928	98,928	86,462	86,462	73,997	73,997	61,553	61,553
3/4	3/4	155,176	155,176	144,518	144,518	133,860	133,860	123,202	123,202	111,134	111,134	98,668	98,668	86,203	86,203	73,737	73,737	61,293	61,293
6		6	154,954	6	144,296	6	133,638	6	122,980	6	110,874	6	98,409	6	85,943	6	73,477	6	61,034
1/4	1/4	154,732	154,732	144,074	144,074	133,416	133,416	122,758	122,758	110,614	110,614	98,149	98,149	85,683	85,683	73,217	73,217	60,775	60,775
1/2	1/2	154,510	154,510	143,852	143,852	133,194	133,194	122,536	122,536	110,355	110,355	97,889	97,889	85,424	85,424	72,958	72,958	60,516	60,516
3/4	3/4	154,288	154,288	143,630	143,630	132,972	132,972	122,314	122,314	110,095	110,095	97,630	97,630	85,164	85,164	72,698	72,698	60,256	60,256
7		7	154,065	7	143,408	7	132,750	7	122,092	7	109,835	7	97,370	7	84,904	7	72,438	7	59,997
1/4	1/4	153,843	153,843	143,186	143,186	132,528	132,528	121,870	121,870	109,576	109,576	97,110	97,110	84,645	84,645	72,179	72,179	59,737	59,737
1/2	1/2	153,621	153,621	142,964	142,964	132,306	132,306	121,649	121,649	109,316	109,316	96,851	96,851	84,385	84,385	71,919	71,919	59,478	59,478
3/4	3/4	153,399	153,399	142,742	142,742	132,084	132,084	121,427	121,427	109,056	109,056	96,591	96,591	84,125	84,125	71,659	71,659	59,218	59,218
8		8	153,177	8	142,519	8	131,862	8	121,205	8	108,796	8	96,331	8	83,865	8	71,399	8	58,958
1/4	1/4	152,955	152,955	142,297	142,297	131,640	131,640	120,960	120,960	108,537	108,537	96,072	96,072	83,606	83,606	71,140	71,140	58,699	58,699
1/2	1/2	152,733	152,733	142,075	142,075	131,418	131,418	120,714	120,714	108,277	108,277	95,812	95,812	83,346	83,346	70,881	70,881	58,439	58,439
3/4	3/4	152,511	152,511	141,853	141,853	131,196	131,196	120,469	120,469	108,017	108,017	95,552	95,552	83,086	83,086	70,621	70,621	58,180	58,180
9		9	152,289	9	141,631	9	130,973	9	120,224	9	107,758	9	95,292	9	82,827	9	70,362	9	57,920
1/4	1/4	152,067	152,067	141,409	141,409	130,751	130,751	119,964	119,964	107,498	107,498	95,033	95,033	82,567	82,567	70,103	70,103	57,661	57,661
1/2	1/2	151,845	151,845	141,187	141,187	130,529	130,529	119,704	119,704	107,238	107,238	94,773	94,773	82,307	82,307	69,844	69,844	57,401	57,401
3/4	3/4	151,623	151,623	140,965	140,965	130,307	130,307	119,444	119,444	106,978	106,978	94,513	94,513	82,047	82,047	69,585	69,585	57,141	57,141
10		10	151,401	10	140,743	10	130,085	10	119,185	10	106,719	10	94,254	10	81,788	10	69,326	10	56,882
1/4	1/4	151,179	151,179	140,521	140,521	129,863	129,863	118,925	118,925	106,459	106,459	93,994	93,994	81,528	81,528	69,067	69,067	56,622	56,622
1/2	1/2	150,957	150,957	140,299	140,299	129,641	129,641	118,665	118,665	106,199	106,199	93,734	93,734	81,268	81,268	68,808	68,808	56,363	56,363
3/4	3/4	150,735	150,735	140,077	140,077	129,419	129,419	118,406	118,406	105,940	105,940	93,475	93,475	81,009	81,009	68,548	68,548	56,103	56,103
11		11	150,513	11	139,855	11	129,197	11	118,146	11	105,680	11	93,215	11	80,749	11	68,289	11	55,844
1/4	1/4	150,291	150,291	139,633	139,633	128,975	128,975	117,886	117,886	105,420	105,420	92,955	92,955	80,489	80,489	68,030	68,030	55,584	55,584
1/2	1/2	150,069	150,069	139,411	139,411	128,753	128,753	117,626	117,626	105,161	105,161	92,695	92,695	80,230	80,230	67,771	67,771	55,324	55,324
3/4	3/4	149,847	149,847	139,189	139,189	128,531	128,531	117,367	117,367	104,901	104,901	92,436	92,436	79,970	79,970	67,512	67,512	55,065	55,065

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 1068"

1 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	54,805	0	42,345	0	30,126	0	17,670	0	5,201	0		0		0		0		0	
1/4	54,546	1/4	42,086	1/4	29,869	1/4	17,410	1/4	4,942	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	54,286	1/2	41,826	1/2	29,612	1/2	17,150	1/2	4,684	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	54,026	3/4	41,567	3/4	29,354	3/4	16,891	3/4	4,425	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	53,767	1	41,307	1	29,097	1	16,631	1	4,166	1		1		1		1		1	
1/4	53,507	1/4	41,048	1/4	28,837	1/4	16,371	1/4	3,908	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	53,248	1/2	40,788	1/2	28,578	1/2	16,111	1/2	3,650	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	52,988	3/4	40,528	3/4	28,318	3/4	15,852	3/4	3,393	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	52,729	2	40,269	2	28,058	2	15,592	2	3,135	2		2		2		2		2	
1/4	52,469	1/4	40,013	1/4	27,799	1/4	15,332	1/4	2,879	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	52,209	1/2	39,757	1/2	27,539	1/2	15,072	1/2	2,623	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	51,950	3/4	39,502	3/4	27,279	3/4	14,813	3/4	2,368	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	51,690	3	39,246	3	27,019	3	14,553	3	2,112	3		3		3		3		3	
1/4	51,431	1/4	38,993	1/4	26,760	1/4	14,293	1/4	1,881	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	51,171	1/2	38,739	1/2	26,500	1/2	14,034	1/2	1,650	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	50,912	3/4	38,486	3/4	26,240	3/4	13,774	3/4	1,419	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	50,652	4	38,233	4	25,981	4	13,514	4	1,189	4		4		4		4		4	
1/4	50,392	1/4	37,979	1/4	25,721	1/4	13,254	1/4	1,026	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	50,133	1/2	37,726	1/2	25,461	1/2	12,995	1/2	864	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	49,873	3/4	37,473	3/4	25,201	3/4	12,735	3/4	701	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	49,614	5	37,219	5	24,942	5	12,475	5	539	5		5		5		5		5	
1/4	49,354	1/4	36,966	1/4	24,682	1/4	12,216	1/4	463	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	49,094	1/2	36,713	1/2	24,422	1/2	11,956	1/2	387	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	48,835	3/4	36,459	3/4	24,163	3/4	11,696	3/4	311	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	48,575	6	36,206	6	23,903	6	11,436	6	235	6		6		6		6		6	
1/4	48,316	1/4	35,953	1/4	23,643	1/4	11,177	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	48,056	1/2	35,699	1/2	23,383	1/2	10,917	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	47,797	3/4	35,446	3/4	23,124	3/4	10,657	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	47,537	7	35,193	7	22,864	7	10,397	7		7		7		7		7		7	
1/4	47,277	1/4	34,939	1/4	22,604	1/4	10,138	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	47,018	1/2	34,686	1/2	22,345	1/2	9,878	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	46,758	3/4	34,433	3/4	22,085	3/4	9,618	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	46,499	8	34,180	8	21,825	8	9,358	8		8		8		8		8		8	
1/4	46,239	1/4	33,926	1/4	21,565	1/4	9,098	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	45,980	1/2	33,673	1/2	21,306	1/2	8,838	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	45,720	3/4	33,420	3/4	21,046	3/4	8,578	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	45,460	9	33,166	9	20,786	9	8,318	9		9		9		9		9		9	
1/4	45,201	1/4	32,913	1/4	20,527	1/4	8,058	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	44,941	1/2	32,660	1/2	20,267	1/2	7,798	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	44,682	3/4	32,406	3/4	20,007	3/4	7,538	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	44,422	10	32,153	10	19,747	10	7,279	10		10		10		10		10		10	
1/4	44,163	1/4	31,900	1/4	19,488	1/4	7,019	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	43,903	1/2	31,646	1/2	19,228	1/2	6,759	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	43,643	3/4	31,393	3/4	18,968	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
11	43,384	11	31,140	11	18,709	11	6,240	11		11		11		11		11		11	
1/4	43,124	1/4	30,886	1/4	18,449	1/4	5,980	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	42,865	1/2	30,633	1/2	18,189	1/2	5,720	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	42,605	3/4	30,380	3/4	17,929	3/4	5,461	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: 09/19/2013 SW
CALCULATED: 09/20/2013 CL
PRINTED: 09/20/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "IB 1068"

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	136,981	0	125,937	0	114,892	0	103,848	0	92,804	0	81,760	0	70,715	0	59,671
1/4		1/4	146,510	1/4	136,751	1/4	125,707	1/4	114,662	1/4	103,618	1/4	92,574	1/4	81,530	1/4	70,485	1/4	59,441
1/2		1/2	146,455	1/2	136,521	1/2	125,477	1/2	114,432	1/2	103,388	1/2	92,344	1/2	81,299	1/2	70,255	1/2	59,211
3/4		3/4	146,400	3/4	136,291	3/4	125,247	3/4	114,202	3/4	103,158	3/4	92,114	3/4	81,069	3/4	70,025	3/4	58,981
1		1	146,345	1	136,061	1	125,016	1	113,972	1	102,928	1	91,884	1	80,839	1	69,795	1	58,751
1/4		1/4	146,290	1/4	135,831	1/4	124,786	1/4	113,742	1/4	102,698	1/4	91,653	1/4	80,609	1/4	69,565	1/4	58,521
1/2		1/2	146,165	1/2	135,601	1/2	124,556	1/2	113,512	1/2	102,468	1/2	91,423	1/2	80,379	1/2	69,335	1/2	58,291
3/4		3/4	146,040	3/4	135,370	3/4	124,326	3/4	113,282	3/4	102,238	3/4	91,193	3/4	80,149	3/4	69,105	3/4	58,060
2		2	145,916	2	135,140	2	124,096	2	113,052	2	102,007	2	90,963	2	79,919	2	68,875	2	57,830
1/4		1/4	145,791	1/4	134,910	1/4	123,866	1/4	112,822	1/4	101,777	1/4	90,733	1/4	79,689	1/4	68,645	1/4	57,600
1/2		1/2	145,597	1/2	134,680	1/2	123,636	1/2	112,592	1/2	101,547	1/2	90,503	1/2	79,459	1/2	68,414	1/2	57,370
3/4		3/4	145,402	3/4	134,450	3/4	123,406	3/4	112,362	3/4	101,317	3/4	90,273	3/4	79,229	3/4	68,184	3/4	57,140
3		3	145,207	3	134,220	3	123,176	3	112,131	3	101,087	3	90,043	3	78,999	3	67,954	3	56,910
1/4		1/4	145,013	1/4	133,990	1/4	122,946	1/4	111,901	1/4	100,857	1/4	89,813	1/4	78,768	1/4	67,724	1/4	56,680
1/2		1/2	144,788	1/2	133,760	1/2	122,716	1/2	111,671	1/2	100,627	1/2	89,583	1/2	78,538	1/2	67,494	1/2	56,450
3/4		3/4	144,562	3/4	133,530	3/4	122,485	3/4	111,441	3/4	100,397	3/4	89,353	3/4	78,308	3/4	67,264	3/4	56,220
4		4	144,337	4	133,300	4	122,255	4	111,211	4	100,167	4	89,122	4	78,078	4	67,034	4	55,990
1/4		1/4	144,111	1/4	133,070	1/4	122,025	1/4	110,981	1/4	99,937	1/4	88,892	1/4	77,848	1/4	66,804	1/4	55,760
1/2		1/2	143,882	1/2	132,839	1/2	121,795	1/2	110,751	1/2	99,707	1/2	88,662	1/2	77,618	1/2	66,574	1/2	55,529
3/4		3/4	143,652	3/4	132,609	3/4	121,565	3/4	110,521	3/4	99,477	3/4	88,432	3/4	77,388	3/4	66,344	3/4	55,299
5		5	143,423	5	132,379	5	121,335	5	110,291	5	99,246	5	88,202	5	77,158	5	66,114	5	55,069
1/4		1/4	143,193	1/4	132,149	1/4	121,105	1/4	110,061	1/4	99,016	1/4	87,972	1/4	76,928	1/4	65,883	1/4	54,839
1/2		1/2	142,963	1/2	131,919	1/2	120,875	1/2	109,831	1/2	98,786	1/2	87,742	1/2	76,698	1/2	65,653	1/2	54,609
3/4		3/4	142,733	3/4	131,689	3/4	120,645	3/4	109,600	3/4	98,556	3/4	87,512	3/4	76,468	3/4	65,423	3/4	54,379
6		6	142,503	6	131,459	6	120,415	6	109,370	6	98,326	6	87,282	6	76,237	6	65,193	6	54,149
1/4		1/4	142,273	1/4	131,229	1/4	120,185	1/4	109,140	1/4	98,096	1/4	87,052	1/4	76,007	1/4	64,963	1/4	53,919
1/2		1/2	142,043	1/2	130,999	1/2	119,954	1/2	108,910	1/2	97,866	1/2	86,822	1/2	75,777	1/2	64,733	1/2	53,689
3/4		3/4	141,813	3/4	130,769	3/4	119,724	3/4	108,680	3/4	97,636	3/4	86,591	3/4	75,547	3/4	64,503	3/4	53,459
7		7	141,583	7	130,539	7	119,494	7	108,450	7	97,406	7	86,361	7	75,317	7	64,273	7	53,229
1/4		1/4	141,353	1/4	130,308	1/4	119,264	1/4	108,220	1/4	97,176	1/4	86,131	1/4	75,087	1/4	64,043	1/4	52,998
1/2		1/2	141,123	1/2	130,078	1/2	119,034	1/2	107,990	1/2	96,946	1/2	85,901	1/2	74,857	1/2	63,813	1/2	52,768
3/4		3/4	140,893	3/4	129,848	3/4	118,804	3/4	107,760	3/4	96,715	3/4	85,671	3/4	74,627	3/4	63,583	3/4	52,538
8		8	140,663	8	129,618	8	118,574	8	107,530	8	96,485	8	85,441	8	74,397	8	63,352	8	52,308
1/4		1/4	140,432	1/4	129,388	1/4	118,344	1/4	107,300	1/4	96,255	1/4	85,211	1/4	74,167	1/4	63,122	1/4	52,078
1/2		1/2	140,202	1/2	129,158	1/2	118,114	1/2	107,069	1/2	96,025	1/2	84,981	1/2	73,937	1/2	62,892	1/2	51,848
3/4		3/4	139,972	3/4	128,928	3/4	117,884	3/4	106,839	3/4	95,795	3/4	84,751	3/4	73,706	3/4	62,662	3/4	51,618
9		9	139,742	9	128,698	9	117,654	9	106,609	9	95,565	9	84,521	9	73,476	9	62,432	9	51,388
1/4		1/4	139,512	1/4	128,468	1/4	117,423	1/4	106,379	1/4	95,335	1/4	84,291	1/4	73,246	1/4	62,202	1/4	51,158
1/2		1/2	139,282	1/2	128,238	1/2	117,193	1/2	106,149	1/2	95,105	1/2	84,061	1/2	73,016	1/2	61,972	1/2	50,928
3/4		3/4	139,052	3/4	128,008	3/4	116,963	3/4	105,919	3/4	94,875	3/4	83,830	3/4	72,786	3/4	61,742	3/4	50,698
10		10	138,822	10	127,778	10	116,733	10	105,689	10	94,645	10	83,600	10	72,556	10	61,512	10	50,467
1/4		1/4	138,592	1/4	127,547	1/4	116,503	1/4	105,459	1/4	94,415	1/4	83,370	1/4	72,326	1/4	61,282	1/4	50,237
1/2		1/2	138,362	1/2	127,317	1/2	116,273	1/2	105,229	1/2	94,184	1/2	83,140	1/2	72,096	1/2	61,052	1/2	50,007
3/4		3/4	138,132	3/4	127,087	3/4	116,043	3/4	104,999	3/4	93,954	3/4	82,910	3/4	71,866	3/4	60,821	3/4	49,777
11		11	137,901	11	126,857	11	115,813	11	104,769	11	93,724	11	82,680	11	71,636	11	60,591	11	49,547
1/4		1/4	137,671	1/4	126,627	1/4	115,583	1/4	104,538	1/4	93,494	1/4	82,450	1/4	71,406	1/4	60,361	1/4	49,317
1/2		1/2	137,441	1/2	126,397	1/2	115,353	1/2	104,308	1/2	93,264	1/2	82,220	1/2	71,176	1/2	60,131	1/2	49,087
3/4		3/4	137,211	3/4	126,167	3/4	115,123	3/4	104,078	3/4	93,034	3/4	81,990	3/4	70,945	3/4	59,901	3/4	48,857

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

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BARGE "IB 1068"

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	48,627	0	37,582	0	26,774	0	15,746	0	4,704	0		0		0		0		0	
1/4	48,397	1/4	37,352	1/4	26,550	1/4	15,516	1/4	4,475	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	48,167	1/2	37,122	1/2	26,322	1/2	15,286	1/2	4,246	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	47,936	3/4	36,892	3/4	26,095	3/4	15,056	3/4	4,017	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	47,706	1	36,662	1	25,867	1	14,826	1	3,788	1	1	1	1	1	1	1	1	1	1
1/4	47,476	1/4	36,432	1/4	25,639	1/4	14,595	1/4	3,559	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	47,246	1/2	36,202	1/2	25,409	1/2	14,365	1/2	3,331	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	47,016	3/4	35,972	3/4	25,179	3/4	14,135	3/4	3,104	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	46,786	2	35,742	2	24,949	2	13,905	2	2,876	2	2	2	2	2	2	2	2	2	2
1/4	46,556	1/4	35,512	1/4	24,719	1/4	13,675	1/4	2,648	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	46,326	1/2	35,285	1/2	24,489	1/2	13,445	1/2	2,422	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	46,096	3/4	35,059	3/4	24,259	3/4	13,215	3/4	2,196	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	45,866	3	34,833	3	24,029	3	12,985	3	1,969	3	3	3	3	3	3	3	3	3	3
1/4	45,636	1/4	34,607	1/4	23,799	1/4	12,755	1/4	1,743	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	45,405	1/2	34,383	1/2	23,569	1/2	12,525	1/2	1,539	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	45,175	3/4	34,159	3/4	23,338	3/4	12,295	3/4	1,335	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	44,945	4	33,935	4	23,108	4	12,065	4	1,131	4	4	4	4	4	4	4	4	4	4
1/4	44,715	1/4	33,711	1/4	22,878	1/4	11,834	1/4	927	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	44,485	1/2	33,488	1/2	22,648	1/2	11,604	1/2	783	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	44,255	3/4	33,264	3/4	22,418	3/4	11,374	3/4	640	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	44,025	5	33,040	5	22,188	5	11,144	5	496	5	5	5	5	5	5	5	5	5	5
1/4	43,795	1/4	32,816	1/4	21,958	1/4	10,914	1/4	352	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	43,565	1/2	32,592	1/2	21,728	1/2	10,684	1/2	285	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	43,335	3/4	32,369	3/4	21,498	3/4	10,454	3/4	218	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	43,105	6	32,145	6	21,268	6	10,224	6	151	6	6	6	6	6	6	6	6	6	6
1/4	42,875	1/4	31,921	1/4	21,038	1/4	9,994	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	42,644	1/2	31,697	1/2	20,808	1/2	9,764	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	42,414	3/4	31,474	3/4	20,578	3/4	9,534	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	42,184	7	31,250	7	20,347	7	9,304	7		7	7	7	7	7	7	7	7	7	7
1/4	41,954	1/4	31,026	1/4	20,117	1/4	9,074	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	41,724	1/2	30,802	1/2	19,887	1/2	8,843	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	41,494	3/4	30,578	3/4	19,657	3/4	8,613	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	41,264	8	30,355	8	19,427	8	8,383	8		8	8	8	8	8	8	8	8	8	8
1/4	41,034	1/4	30,131	1/4	19,197	1/4	8,153	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	40,804	1/2	29,907	1/2	18,967	1/2	7,923	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	40,574	3/4	29,683	3/4	18,737	3/4	7,693	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	40,344	9	29,459	9	18,507	9	7,463	9		9	9	9	9	9	9	9	9	9	9
1/4	40,113	1/4	29,236	1/4	18,277	1/4	7,233	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	39,883	1/2	29,012	1/2	18,047	1/2	7,003	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	39,653	3/4	28,788	3/4	17,817	3/4	6,773	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	39,423	10	28,564	10	17,586	10	6,543	10		10	10	10	10	10	10	10	10	10	10
1/4	39,193	1/4	28,340	1/4	17,356	1/4	6,313	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	38,963	1/2	28,117	1/2	17,126	1/2	6,083	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	38,733	3/4	27,893	3/4	16,896	3/4	5,853	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	38,503	11	27,669	11	16,666	11	5,623	11		11	11	11	11	11	11	11	11	11	11
1/4	38,273	1/4	27,445	1/4	16,436	1/4	5,393	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	38,043	1/2	27,222	1/2	16,206	1/2	5,164	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	37,813	3/4	26,998	3/4	15,976	3/4	4,934	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: 09/19/2013 SW
CALCULATED: 09/20/2013 CL
PRINTED: 09/20/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2013

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



BARGE "IB 1068"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-05 1/2"

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	145,970	0	135,907	0	124,912	0	113,918	0	102,924	0	91,929	0	80,935	0	69,941	0	58,947
1/4		1/4	145,915	1/4	135,677	1/4	124,683	1/4	113,689	1/4	102,695	1/4	91,700	1/4	80,706	1/4	69,712	1/4	58,718
1/2		1/2	145,860	1/2	135,448	1/2	124,454	1/2	113,460	1/2	102,466	1/2	91,471	1/2	80,477	1/2	69,483	1/2	58,488
3/4		3/4	145,736	3/4	135,219	3/4	124,225	3/4	113,231	3/4	102,237	3/4	91,242	3/4	80,248	3/4	69,254	3/4	58,259
1		1	145,612	1	134,990	1	123,996	1	113,002	1	102,008	1	91,013	1	80,019	1	69,025	1	58,030
1/4		1/4	145,488	1/4	134,761	1/4	123,767	1/4	112,773	1/4	101,778	1/4	90,784	1/4	79,790	1/4	68,796	1/4	57,801
1/2		1/2	145,364	1/2	134,532	1/2	123,538	1/2	112,544	1/2	101,549	1/2	90,555	1/2	79,561	1/2	68,567	1/2	57,572
3/4		3/4	145,170	3/4	134,303	3/4	123,309	3/4	112,315	3/4	101,320	3/4	90,326	3/4	79,332	3/4	68,338	3/4	57,343
2		2	144,976	2	134,074	2	123,080	2	112,086	2	101,091	2	90,097	2	79,103	2	68,108	2	57,114
1/4		1/4	144,783	1/4	133,845	1/4	122,851	1/4	111,857	1/4	100,862	1/4	89,868	1/4	78,874	1/4	67,879	1/4	56,885
1/2		1/2	144,589	1/2	133,616	1/2	122,622	1/2	111,628	1/2	100,633	1/2	89,639	1/2	78,645	1/2	67,650	1/2	56,656
3/4		3/4	144,365	3/4	133,387	3/4	122,393	3/4	111,398	3/4	100,404	3/4	89,410	3/4	78,416	3/4	67,421	3/4	56,427
3		3	144,140	3	133,158	3	122,164	3	111,169	3	100,175	3	89,181	3	78,187	3	67,192	3	56,198
1/4		1/4	143,916	1/4	132,929	1/4	121,935	1/4	110,940	1/4	99,946	1/4	88,952	1/4	77,958	1/4	66,963	1/4	55,969
1/2		1/2	143,692	1/2	132,700	1/2	121,706	1/2	110,711	1/2	99,717	1/2	88,723	1/2	77,728	1/2	66,734	1/2	55,740
3/4		3/4	143,463	3/4	132,471	3/4	121,477	3/4	110,482	3/4	99,488	3/4	88,494	3/4	77,499	3/4	66,505	3/4	55,511
4		4	143,235	4	132,242	4	121,248	4	110,253	4	99,259	4	88,265	4	77,270	4	66,276	4	55,282
1/4		1/4	143,006	1/4	132,013	1/4	121,018	1/4	110,024	1/4	99,030	1/4	88,036	1/4	77,041	1/4	66,047	1/4	55,053
1/2		1/2	142,778	1/2	131,784	1/2	120,789	1/2	109,795	1/2	98,801	1/2	87,807	1/2	76,812	1/2	65,818	1/2	54,824
3/4		3/4	142,549	3/4	131,555	3/4	120,560	3/4	109,566	3/4	98,572	3/4	87,578	3/4	76,583	3/4	65,589	3/4	54,595
5		5	142,320	5	131,326	5	120,331	5	109,337	5	98,343	5	87,348	5	76,354	5	65,360	5	54,366
1/4		1/4	142,091	1/4	131,097	1/4	120,102	1/4	109,108	1/4	98,114	1/4	87,119	1/4	76,125	1/4	65,131	1/4	54,137
1/2		1/2	141,862	1/2	130,868	1/2	119,873	1/2	108,879	1/2	97,885	1/2	86,890	1/2	75,896	1/2	64,902	1/2	53,908
3/4		3/4	141,633	3/4	130,638	3/4	119,644	3/4	108,650	3/4	97,656	3/4	86,661	3/4	75,667	3/4	64,673	3/4	53,678
6		6	141,404	6	130,409	6	119,415	6	108,421	6	97,427	6	86,432	6	75,438	6	64,444	6	53,449
1/4		1/4	141,175	1/4	130,180	1/4	119,186	1/4	108,192	1/4	97,198	1/4	86,203	1/4	75,209	1/4	64,215	1/4	53,220
1/2		1/2	140,946	1/2	129,951	1/2	118,957	1/2	107,963	1/2	96,968	1/2	85,974	1/2	74,980	1/2	63,986	1/2	52,991
3/4		3/4	140,717	3/4	129,722	3/4	118,728	3/4	107,734	3/4	96,739	3/4	85,745	3/4	74,751	3/4	63,757	3/4	52,762
7		7	140,487	7	129,493	7	118,499	7	107,505	7	96,510	7	85,516	7	74,522	7	63,528	7	52,533
1/4		1/4	140,258	1/4	129,264	1/4	118,270	1/4	107,276	1/4	96,281	1/4	85,287	1/4	74,293	1/4	63,298	1/4	52,304
1/2		1/2	140,029	1/2	129,035	1/2	118,041	1/2	107,047	1/2	96,052	1/2	85,058	1/2	74,064	1/2	63,069	1/2	52,075
3/4		3/4	139,800	3/4	128,806	3/4	117,812	3/4	106,818	3/4	95,823	3/4	84,829	3/4	73,835	3/4	62,840	3/4	51,846
8		8	139,571	8	128,577	8	117,583	8	106,588	8	95,594	8	84,600	8	73,606	8	62,611	8	51,617
1/4		1/4	139,342	1/4	128,348	1/4	117,354	1/4	106,359	1/4	95,365	1/4	84,371	1/4	73,377	1/4	62,382	1/4	51,388
1/2		1/2	139,113	1/2	128,119	1/2	117,125	1/2	106,130	1/2	95,136	1/2	84,142	1/2	73,148	1/2	62,153	1/2	51,159
3/4		3/4	138,884	3/4	127,890	3/4	116,896	3/4	105,901	3/4	94,907	3/4	83,913	3/4	72,918	3/4	61,924	3/4	50,930
9		9	138,655	9	127,661	9	116,667	9	105,672	9	94,678	9	83,684	9	72,689	9	61,695	9	50,701
1/4		1/4	138,426	1/4	127,432	1/4	116,438	1/4	105,443	1/4	94,449	1/4	83,455	1/4	72,460	1/4	61,466	1/4	50,472
1/2		1/2	138,197	1/2	127,203	1/2	116,208	1/2	105,214	1/2	94,220	1/2	83,226	1/2	72,231	1/2	61,237	1/2	50,243
3/4		3/4	137,968	3/4	126,974	3/4	115,979	3/4	104,985	3/4	93,991	3/4	82,997	3/4	72,002	3/4	61,008	3/4	50,014
10		10	137,739	10	126,745	10	115,750	10	104,756	10	93,762	10	82,768	10	71,773	10	60,779	10	49,785
1/4		1/4	137,510	1/4	126,516	1/4	115,521	1/4	104,527	1/4	93,533	1/4	82,538	1/4	71,544	1/4	60,550	1/4	49,556
1/2		1/2	137,281	1/2	126,287	1/2	115,292	1/2	104,298	1/2	93,304	1/2	82,309	1/2	71,315	1/2	60,321	1/2	49,327
3/4		3/4	137,052	3/4	126,058	3/4	115,063	3/4	104,069	3/4	93,075	3/4	82,080	3/4	71,086	3/4	60,092	3/4	49,098
11		11	136,823	11	125,828	11	114,834	11	103,840	11	92,846	11	81,851	11	70,857	11	59,863	11	48,868
1/4		1/4	136,594	1/4	125,599	1/4	114,605	1/4	103,611	1/4	92,617	1/4	81,622	1/4	70,628	1/4	59,634	1/4	48,639
1/2	146,080	1/2	136,365	1/2	125,370	1/2	114,376	1/2	103,382	1/2	92,388	1/2	81,393	1/2	70,399	1/2	59,405	1/2	48,410
3/4	146,025	3/4	136,136	3/4	125,141	3/4	114,147	3/4	103,153	3/4	92,158	3/4	81,164	3/4	70,170	3/4	59,176	3/4	48,181

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 1068"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-05 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	47,952	0	36,958	0	25,981	0	14,988	0	3,999	0		0		0		0		0	
1/4	47,723	1/4	36,729	1/4	25,752	1/4	14,759	1/4	3,771	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	47,494	1/2	36,500	1/2	25,523	1/2	14,530	1/2	3,543	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	47,265	3/4	36,271	3/4	25,294	3/4	14,301	3/4	3,314	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	47,036	1	36,042	1	25,065	1	14,071	1	3,090	1		1		1		1		1	
1/4	46,807	1/4	35,813	1/4	24,836	1/4	13,842	1/4	2,863	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	46,578	1/2	35,584	1/2	24,607	1/2	13,613	1/2	2,636	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	46,349	3/4	35,355	3/4	24,378	3/4	13,384	3/4	2,411	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	46,120	2	35,126	2	24,149	2	13,155	2	2,186	2		2		2		2		2	
1/4	45,891	1/4	34,897	1/4	23,920	1/4	12,926	1/4	1,961	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	45,662	1/2	34,669	1/2	23,691	1/2	12,697	1/2	1,736	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	45,433	3/4	34,440	3/4	23,462	3/4	12,468	3/4	1,532	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	45,204	3	34,211	3	23,233	3	12,239	3	1,329	3		3		3		3		3	
1/4	44,975	1/4	33,983	1/4	23,004	1/4	12,010	1/4	1,126	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	44,746	1/2	33,754	1/2	22,775	1/2	11,781	1/2	923	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	44,517	3/4	33,525	3/4	22,546	3/4	11,552	3/4	780	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	44,288	4	33,297	4	22,317	4	11,323	4	637	4		4		4		4		4	
1/4	44,058	1/4	33,068	1/4	22,088	1/4	11,094	1/4	494	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	43,829	1/2	32,839	1/2	21,859	1/2	10,865	1/2	351	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	43,600	3/4	32,611	3/4	21,630	3/4	10,636	3/4	284	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	43,371	5	32,382	5	21,401	5	10,407	5	217	5		5		5		5		5	
1/4	43,142	1/4	32,154	1/4	21,172	1/4	10,178	1/4	150	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	42,913	1/2	31,925	1/2	20,943	1/2	9,949	1/2	84	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	42,684	3/4	31,697	3/4	20,714	3/4	9,720	3/4	=====	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	42,455	6	31,468	6	20,485	6	9,491	6		6		6		6		6		6	
1/4	42,226	1/4	31,239	1/4	20,256	1/4	9,262	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	41,997	1/2	31,011	1/2	20,026	1/2	9,033	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	41,768	3/4	30,782	3/4	19,797	3/4	8,804	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	41,539	7	30,554	7	19,568	7	8,575	7		7		7		7		7		7	
1/4	41,310	1/4	30,325	1/4	19,339	1/4	8,346	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	41,081	1/2	30,096	1/2	19,110	1/2	8,117	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	40,852	3/4	29,868	3/4	18,881	3/4	7,888	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	40,623	8	29,639	8	18,652	8	7,658	8		8		8		8		8		8	
1/4	40,394	1/4	29,411	1/4	18,423	1/4	7,429	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	40,165	1/2	29,182	1/2	18,194	1/2	7,200	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	39,936	3/4	28,953	3/4	17,965	3/4	6,971	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	39,707	9	28,725	9	17,736	9	6,742	9		9		9		9		9		9	
1/4	39,478	1/4	28,496	1/4	17,507	1/4	6,513	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	39,249	1/2	28,268	1/2	17,278	1/2	6,284	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	39,019	3/4	28,039	3/4	17,049	3/4	6,056	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	38,790	10	27,810	10	16,820	10	5,827	10		10		10		10		10		10	
1/4	38,561	1/4	27,582	1/4	16,591	1/4	5,598	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	38,332	1/2	27,353	1/2	16,362	1/2	5,369	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	38,103	3/4	27,125	3/4	16,133	3/4	5,140	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	37,874	11	26,896	11	15,904	11	4,912	11		11		11		11		11		11	
1/4	37,645	1/4	26,667	1/4	15,675	1/4	4,683	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	37,416	1/2	26,439	1/2	15,446	1/2	4,455	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	37,187	3/4	26,210	3/4	15,217	3/4	4,227	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: 09/19/2013 SW
CALCULATED: 09/20/2013 CL
PRINTED: 09/20/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2013

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