



BARGE "IB 1067"

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	00-3/8	- 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 1067"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-05 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	158,830	0	149,014	0	138,352	0	127,691	0	116,371	0	103,901	0	91,431	0	78,960	0	66,500
1/4		1/4	158,792	1/4	148,792	1/4	138,130	1/4	127,468	1/4	116,112	1/4	103,641	1/4	91,171	1/4	78,701	1/4	66,241
1/2		1/2	158,689	1/2	148,570	1/2	137,908	1/2	127,246	1/2	115,852	1/2	103,381	1/2	90,911	1/2	78,441	1/2	65,982
3/4		3/4	158,586	3/4	148,348	3/4	137,686	3/4	127,024	3/4	115,592	3/4	103,121	3/4	90,652	3/4	78,181	3/4	65,723
1		1	158,483	1	148,126	1	137,464	1	126,802	1	115,332	1	102,862	1	90,392	1	77,921	1	65,464
1/4		1/4	158,380	1/4	147,904	1/4	137,242	1/4	126,580	1/4	115,072	1/4	102,602	1/4	90,132	1/4	77,661	1/4	65,204
1/2		1/2	158,198	1/2	147,681	1/2	137,020	1/2	126,358	1/2	114,813	1/2	102,342	1/2	89,872	1/2	77,402	1/2	64,945
3/4		3/4	158,017	3/4	147,459	3/4	136,798	3/4	126,136	3/4	114,553	3/4	102,082	3/4	89,612	3/4	77,142	3/4	64,686
2		2	157,835	2	147,237	2	136,575	2	125,914	2	114,293	2	101,822	2	89,353	2	76,882	2	64,427
1/4		1/4	157,653	1/4	147,015	1/4	136,353	1/4	125,691	1/4	114,033	1/4	101,563	1/4	89,093	1/4	76,622	1/4	64,168
1/2		1/2	157,436	1/2	146,793	1/2	136,131	1/2	125,469	1/2	113,773	1/2	101,303	1/2	88,833	1/2	76,362	1/2	63,908
3/4		3/4	157,219	3/4	146,571	3/4	135,909	3/4	125,247	3/4	113,513	3/4	101,043	3/4	88,573	3/4	76,103	3/4	63,649
3		3	157,002	3	146,349	3	135,687	3	125,025	3	113,254	3	100,783	3	88,313	3	75,843	3	63,390
1/4		1/4	156,786	1/4	146,127	1/4	135,465	1/4	124,803	1/4	112,994	1/4	100,524	1/4	88,054	1/4	75,583	1/4	63,131
1/2		1/2	156,564	1/2	145,905	1/2	135,243	1/2	124,581	1/2	112,734	1/2	100,264	1/2	87,794	1/2	75,323	1/2	62,872
3/4		3/4	156,343	3/4	145,682	3/4	135,021	3/4	124,359	3/4	112,474	3/4	100,004	3/4	87,534	3/4	75,063	3/4	62,612
4		4	156,121	4	145,460	4	134,798	4	124,137	4	112,214	4	99,744	4	87,274	4	74,804	4	62,353
1/4		1/4	155,900	1/4	145,238	1/4	134,576	1/4	123,915	1/4	111,955	1/4	99,484	1/4	87,014	1/4	74,544	1/4	62,094
1/2		1/2	155,678	1/2	145,016	1/2	134,354	1/2	123,692	1/2	111,695	1/2	99,225	1/2	86,755	1/2	74,284	1/2	61,835
3/4		3/4	155,456	3/4	144,794	3/4	134,132	3/4	123,470	3/4	111,435	3/4	98,965	3/4	86,495	3/4	74,024	3/4	61,576
5		5	155,234	5	144,572	5	133,910	5	123,248	5	111,175	5	98,705	5	86,235	5	73,764	5	61,316
1/4		1/4	155,011	1/4	144,350	1/4	133,688	1/4	123,026	1/4	110,915	1/4	98,445	1/4	85,975	1/4	73,505	1/4	61,057
1/2		1/2	154,789	1/2	144,128	1/2	133,466	1/2	122,804	1/2	110,656	1/2	98,186	1/2	85,715	1/2	73,245	1/2	60,798
3/4		3/4	154,567	3/4	143,905	3/4	133,244	3/4	122,582	3/4	110,396	3/4	97,926	3/4	85,456	3/4	72,985	3/4	60,538
6		6	154,345	6	143,683	6	133,021	6	122,360	6	110,136	6	97,666	6	85,196	6	72,725	6	60,279
1/4		1/4	154,123	1/4	143,461	1/4	132,799	1/4	122,138	1/4	109,876	1/4	97,406	1/4	84,936	1/4	72,465	1/4	60,019
1/2		1/2	153,901	1/2	143,239	1/2	132,577	1/2	121,916	1/2	109,616	1/2	97,146	1/2	84,676	1/2	72,206	1/2	59,759
3/4		3/4	153,679	3/4	143,017	3/4	132,355	3/4	121,694	3/4	109,357	3/4	96,887	3/4	84,416	3/4	71,946	3/4	59,500
7		7	153,457	7	142,795	7	132,133	7	121,472	7	109,097	7	96,627	7	84,157	7	71,686	7	59,240
1/4		1/4	153,235	1/4	142,573	1/4	131,911	1/4	121,250	1/4	108,837	1/4	96,367	1/4	83,897	1/4	71,426	1/4	58,980
1/2		1/2	153,012	1/2	142,351	1/2	131,689	1/2	121,005	1/2	108,577	1/2	96,107	1/2	83,637	1/2	71,167	1/2	58,721
3/4		3/4	152,790	3/4	142,128	3/4	131,467	3/4	120,759	3/4	108,317	3/4	95,848	3/4	83,377	3/4	70,907	3/4	58,461
8		8	152,568	8	141,906	8	131,245	8	120,514	8	108,058	8	95,588	8	83,117	8	70,648	8	58,201
1/4		1/4	152,346	1/4	141,684	1/4	131,022	1/4	120,268	1/4	107,798	1/4	95,328	1/4	82,858	1/4	70,388	1/4	57,942
1/2		1/2	152,124	1/2	141,462	1/2	130,800	1/2	120,009	1/2	107,538	1/2	95,068	1/2	82,598	1/2	70,129	1/2	57,682
3/4		3/4	151,902	3/4	141,240	3/4	130,578	3/4	119,749	3/4	107,278	3/4	94,808	3/4	82,338	3/4	69,870	3/4	57,422
9		9	151,680	9	141,018	9	130,356	9	119,489	9	107,018	9	94,549	9	82,078	9	69,611	9	57,163
1/4		1/4	151,458	1/4	140,796	1/4	130,134	1/4	119,229	1/4	106,759	1/4	94,289	1/4	81,818	1/4	69,352	1/4	56,903
1/2		1/2	151,235	1/2	140,574	1/2	129,912	1/2	118,969	1/2	106,499	1/2	94,029	1/2	81,558	1/2	69,092	1/2	56,643
3/4		3/4	151,013	3/4	140,351	3/4	129,690	3/4	118,710	3/4	106,239	3/4	93,769	3/4	81,299	3/4	68,833	3/4	56,384
10		10	150,791	10	140,129	10	129,468	10	118,450	10	105,979	10	93,509	10	81,039	10	68,574	10	56,124
1/4		1/4	150,569	1/4	139,907	1/4	129,245	1/4	118,190	1/4	105,719	1/4	93,250	1/4	80,779	1/4	68,315	1/4	55,864
1/2		1/2	150,347	1/2	139,685	1/2	129,023	1/2	117,930	1/2	105,460	1/2	92,990	1/2	80,519	1/2	68,056	1/2	55,605
3/4		3/4	150,125	3/4	139,463	3/4	128,801	3/4	117,670	3/4	105,200	3/4	92,730	3/4	80,259	3/4	67,796	3/4	55,345
11		11	149,903	11	139,241	11	128,579	11	117,411	11	104,940	11	92,470	11	80,000	11	67,537	11	55,085
1/4	158,946	1/4	149,681	1/4	139,019	1/4	128,357	1/4	117,151	1/4	104,680	1/4	92,210	1/4	79,740	1/4	67,278	1/4	54,826
1/2	158,907	1/2	149,458	1/2	138,797	1/2	128,135	1/2	116,891	1/2	104,420	1/2	91,951	1/2	79,480	1/2	67,019	1/2	54,566
3/4	158,869	3/4	149,236	3/4	138,575	3/4	127,913	3/4	116,631	3/4	104,161	3/4	91,691	3/4	79,220	3/4	66,760	3/4	54,306

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.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "IB 1067"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-05 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	54,047	0	41,582	0	29,365	0	16,897	0	4,426	0		0		0		0		0	
1/4	53,787	1/4	41,323	1/4	29,108	1/4	16,637	1/4	4,167	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	53,527	1/2	41,063	1/2	28,848	1/2	16,377	1/2	3,910	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	53,268	3/4	40,803	3/4	28,588	3/4	16,117	3/4	3,652	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	53,008	1	40,544	1	28,329	1	15,858	1	3,394	1		1		1		1		1	
1/4	52,748	1/4	40,284	1/4	28,069	1/4	15,598	1/4	3,136	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	52,489	1/2	40,028	1/2	27,809	1/2	15,338	1/2	2,880	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	52,229	3/4	39,772	3/4	27,549	3/4	15,078	3/4	2,624	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	51,969	2	39,517	2	27,289	2	14,818	2	2,369	2		2		2		2		2	
1/4	51,710	1/4	39,261	1/4	27,030	1/4	14,558	1/4	2,113	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	51,450	1/2	39,007	1/2	26,770	1/2	14,299	1/2	1,882	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	51,190	3/4	38,754	3/4	26,510	3/4	14,039	3/4	1,651	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	50,931	3	38,500	3	26,250	3	13,779	3	1,420	3		3		3		3		3	
1/4	50,671	1/4	38,247	1/4	25,990	1/4	13,519	1/4	1,189	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	50,411	1/2	37,994	1/2	25,730	1/2	13,259	1/2	1,027	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	50,152	3/4	37,740	3/4	25,471	3/4	13,000	3/4	864	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	49,892	4	37,487	4	25,211	4	12,740	4	701	4		4		4		4		4	
1/4	49,632	1/4	37,233	1/4	24,951	1/4	12,480	1/4	539	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	49,372	1/2	36,980	1/2	24,691	1/2	12,220	1/2	463	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	49,113	3/4	36,726	3/4	24,431	3/4	11,960	3/4	387	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	48,853	5	36,473	5	24,172	5	11,700	5	311	5		5		5		5		5	
1/4	48,593	1/4	36,220	1/4	23,912	1/4	11,441	1/4	235	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	48,334	1/2	35,966	1/2	23,652	1/2	11,181	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	48,074	3/4	35,713	3/4	23,392	3/4	10,921	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	47,814	6	35,459	6	23,132	6	10,661	6		6		6		6		6		6	
1/4	47,555	1/4	35,206	1/4	22,873	1/4	10,401	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	47,295	1/2	34,953	1/2	22,613	1/2	10,141	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	47,035	3/4	34,699	3/4	22,353	3/4	9,881	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	46,776	7	34,446	7	22,093	7	9,621	7		7		7		7		7		7	
1/4	46,516	1/4	34,192	1/4	21,833	1/4	9,361	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	46,256	1/2	33,939	1/2	21,573	1/2	9,101	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	45,997	3/4	33,685	3/4	21,314	3/4	8,841	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	45,737	8	33,432	8	21,054	8	8,581	8		8		8		8		8		8	
1/4	45,477	1/4	33,179	1/4	20,794	1/4	8,321	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	45,218	1/2	32,925	1/2	20,534	1/2	8,061	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	44,958	3/4	32,672	3/4	20,274	3/4	7,801	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	44,698	9	32,418	9	20,015	9	7,541	9		9		9		9		9		9	
1/4	44,439	1/4	32,165	1/4	19,755	1/4	7,281	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	44,179	1/2	31,912	1/2	19,495	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	43,919	3/4	31,658	3/4	19,235	3/4	6,762	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	43,660	10	31,405	10	18,975	10	6,502	10		10		10		10		10		10	
1/4	43,400	1/4	31,151	1/4	18,716	1/4	6,242	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	43,140	1/2	30,898	1/2	18,456	1/2	5,982	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	42,881	3/4	30,645	3/4	18,196	3/4	5,723	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	42,621	11	30,391	11	17,936	11	5,463	11		11		11		11		11		11	
1/4	42,361	1/4	30,138	1/4	17,676	1/4	5,203	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	42,102	1/2	29,880	1/2	17,416	1/2	4,944	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	41,842	3/4	29,623	3/4	17,157	3/4	4,685	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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Pearland, Texas 77588
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BARGE "IB 1067"

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	137,140	0	126,083	0	115,026	0	103,969	0	92,912	0	81,855	0	70,797	0	59,740
1/4		1/4	146,680	1/4	136,910	1/4	125,853	1/4	114,796	1/4	103,738	1/4	92,681	1/4	81,624	1/4	70,567	1/4	59,510
1/2		1/2	146,625	1/2	136,679	1/2	125,622	1/2	114,565	1/2	103,508	1/2	92,451	1/2	81,394	1/2	70,337	1/2	59,280
3/4		3/4	146,570	3/4	136,449	3/4	125,392	3/4	114,335	3/4	103,278	3/4	92,221	3/4	81,163	3/4	70,106	3/4	59,049
1		1	146,515	1	136,219	1	125,162	1	114,104	1	103,047	1	91,990	1	80,933	1	69,876	1	58,819
1/4		1/4	146,459	1/4	135,988	1/4	124,931	1/4	113,874	1/4	102,817	1/4	91,760	1/4	80,703	1/4	69,646	1/4	58,589
1/2		1/2	146,335	1/2	135,758	1/2	124,701	1/2	113,644	1/2	102,587	1/2	91,530	1/2	80,472	1/2	69,415	1/2	58,358
3/4		3/4	146,210	3/4	135,528	3/4	124,471	3/4	113,413	3/4	102,356	3/4	91,299	3/4	80,242	3/4	69,185	3/4	58,128
2		2	146,085	2	135,297	2	124,240	2	113,183	2	102,126	2	91,069	2	80,012	2	68,955	2	57,897
1/4		1/4	145,960	1/4	135,067	1/4	124,010	1/4	112,953	1/4	101,896	1/4	90,838	1/4	79,781	1/4	68,724	1/4	57,667
1/2		1/2	145,766	1/2	134,837	1/2	123,779	1/2	112,722	1/2	101,665	1/2	90,608	1/2	79,551	1/2	68,494	1/2	57,437
3/4		3/4	145,571	3/4	134,606	3/4	123,549	3/4	112,492	3/4	101,435	3/4	90,378	3/4	79,321	3/4	68,264	3/4	57,206
3		3	145,376	3	134,376	3	123,319	3	112,262	3	101,205	3	90,147	3	79,090	3	68,033	3	56,976
1/4		1/4	145,181	1/4	134,146	1/4	123,088	1/4	112,031	1/4	100,974	1/4	89,917	1/4	78,860	1/4	67,803	1/4	56,746
1/2		1/2	144,956	1/2	133,915	1/2	122,858	1/2	111,801	1/2	100,744	1/2	89,687	1/2	78,630	1/2	67,572	1/2	56,515
3/4		3/4	144,730	3/4	133,685	3/4	122,628	3/4	111,571	3/4	100,513	3/4	89,456	3/4	78,399	3/4	67,342	3/4	56,285
4		4	144,504	4	133,454	4	122,397	4	111,340	4	100,283	4	89,226	4	78,169	4	67,112	4	56,055
1/4		1/4	144,279	1/4	133,224	1/4	122,167	1/4	111,110	1/4	100,053	1/4	88,996	1/4	77,939	1/4	66,881	1/4	55,824
1/2		1/2	144,049	1/2	132,994	1/2	121,937	1/2	110,879	1/2	99,822	1/2	88,765	1/2	77,708	1/2	66,651	1/2	55,594
3/4		3/4	143,819	3/4	132,763	3/4	121,706	3/4	110,649	3/4	99,592	3/4	88,535	3/4	77,478	3/4	66,421	3/4	55,364
5		5	143,589	5	132,533	5	121,476	5	110,419	5	99,362	5	88,305	5	77,247	5	66,190	5	55,133
1/4		1/4	143,359	1/4	132,303	1/4	121,246	1/4	110,188	1/4	99,131	1/4	88,074	1/4	77,017	1/4	65,960	1/4	54,903
1/2		1/2	143,129	1/2	132,072	1/2	121,015	1/2	109,958	1/2	98,901	1/2	87,844	1/2	76,787	1/2	65,730	1/2	54,672
3/4		3/4	142,899	3/4	131,842	3/4	120,785	3/4	109,728	3/4	98,671	3/4	87,613	3/4	76,556	3/4	65,499	3/4	54,442
6		6	142,669	6	131,612	6	120,554	6	109,497	6	98,440	6	87,383	6	76,326	6	65,269	6	54,212
1/4		1/4	142,438	1/4	131,381	1/4	120,324	1/4	109,267	1/4	98,210	1/4	87,153	1/4	76,096	1/4	65,039	1/4	53,981
1/2		1/2	142,208	1/2	131,151	1/2	120,094	1/2	109,037	1/2	97,980	1/2	86,922	1/2	75,865	1/2	64,808	1/2	53,751
3/4		3/4	141,978	3/4	130,921	3/4	119,863	3/4	108,806	3/4	97,749	3/4	86,692	3/4	75,635	3/4	64,578	3/4	53,521
7		7	141,747	7	130,690	7	119,633	7	108,576	7	97,519	7	86,462	7	75,405	7	64,347	7	53,290
1/4		1/4	141,517	1/4	130,460	1/4	119,403	1/4	108,346	1/4	97,288	1/4	86,231	1/4	75,174	1/4	64,117	1/4	53,060
1/2		1/2	141,287	1/2	130,229	1/2	119,172	1/2	108,115	1/2	97,058	1/2	86,001	1/2	74,944	1/2	63,887	1/2	52,830
3/4		3/4	141,056	3/4	129,999	3/4	118,942	3/4	107,885	3/4	96,828	3/4	85,771	3/4	74,714	3/4	63,656	3/4	52,599
8		8	140,826	8	129,769	8	118,712	8	107,655	8	96,597	8	85,540	8	74,483	8	63,426	8	52,369
1/4		1/4	140,595	1/4	129,538	1/4	118,481	1/4	107,424	1/4	96,367	1/4	85,310	1/4	74,253	1/4	63,196	1/4	52,139
1/2		1/2	140,365	1/2	129,308	1/2	118,251	1/2	107,194	1/2	96,137	1/2	85,080	1/2	74,022	1/2	62,965	1/2	51,908
3/4		3/4	140,135	3/4	129,078	3/4	118,021	3/4	106,963	3/4	95,906	3/4	84,849	3/4	73,792	3/4	62,735	3/4	51,678
9		9	139,904	9	128,847	9	117,790	9	106,733	9	95,676	9	84,619	9	73,562	9	62,505	9	51,447
1/4		1/4	139,674	1/4	128,617	1/4	117,560	1/4	106,503	1/4	95,446	1/4	84,388	1/4	73,331	1/4	62,274	1/4	51,217
1/2		1/2	139,444	1/2	128,387	1/2	117,329	1/2	106,272	1/2	95,215	1/2	84,158	1/2	73,101	1/2	62,044	1/2	50,987
3/4		3/4	139,213	3/4	128,156	3/4	117,099	3/4	106,042	3/4	94,985	3/4	83,928	3/4	72,871	3/4	61,814	3/4	50,756
10		10	138,983	10	127,926	10	116,869	10	105,812	10	94,755	10	83,697	10	72,640	10	61,583	10	50,526
1/4		1/4	138,753	1/4	127,696	1/4	116,638	1/4	105,581	1/4	94,524	1/4	83,467	1/4	72,410	1/4	61,353	1/4	50,296
1/2		1/2	138,522	1/2	127,465	1/2	116,408	1/2	105,351	1/2	94,294	1/2	83,237	1/2	72,180	1/2	61,122	1/2	50,065
3/4		3/4	138,292	3/4	127,235	3/4	116,178	3/4	105,121	3/4	94,063	3/4	83,006	3/4	71,949	3/4	60,892	3/4	49,835
11		11	138,062	11	127,004	11	115,947	11	104,890	11	93,833	11	82,776	11	71,719	11	60,662	11	49,605
1/4		1/4	137,831	1/4	126,774	1/4	115,717	1/4	104,660	1/4	93,603	1/4	82,546	1/4	71,489	1/4	60,431	1/4	49,374
1/2		1/2	137,601	1/2	126,544	1/2	115,487	1/2	104,430	1/2	93,372	1/2	82,315	1/2	71,258	1/2	60,201	1/2	49,144
3/4		3/4	137,371	3/4	126,313	3/4	115,256	3/4	104,199	3/4	93,142	3/4	82,085	3/4	71,028	3/4	59,971	3/4	48,914

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 1067"

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	48,683	0	37,626	0	26,805	0	15,764	0	4,710	0		0		0		0		0	
1/4	48,453	1/4	37,396	1/4	26,581	1/4	15,534	1/4	4,480	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	48,223	1/2	37,165	1/2	26,353	1/2	15,303	1/2	4,251	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	47,992	3/4	36,935	3/4	26,125	3/4	15,073	3/4	4,022	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	47,762	1	36,705	1	25,897	1	14,843	1	3,793	1		1		1		1		1	
1/4	47,531	1/4	36,474	1/4	25,669	1/4	14,612	1/4	3,563	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	47,301	1/2	36,244	1/2	25,439	1/2	14,382	1/2	3,335	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	47,071	3/4	36,014	3/4	25,208	3/4	14,152	3/4	3,107	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	46,840	2	35,783	2	24,978	2	13,921	2	2,879	2		2		2		2		2	
1/4	46,610	1/4	35,553	1/4	24,748	1/4	13,691	1/4	2,651	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	46,380	1/2	35,326	1/2	24,517	1/2	13,461	1/2	2,424	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	46,149	3/4	35,100	3/4	24,287	3/4	13,230	3/4	2,198	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	45,919	3	34,874	3	24,057	3	13,000	3	1,972	3		3		3		3		3	
1/4	45,689	1/4	34,647	1/4	23,826	1/4	12,770	1/4	1,745	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	45,458	1/2	34,423	1/2	23,596	1/2	12,539	1/2	1,541	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	45,228	3/4	34,199	3/4	23,366	3/4	12,309	3/4	1,337	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	44,998	4	33,975	4	23,135	4	12,079	4	1,132	4		4		4		4		4	
1/4	44,767	1/4	33,751	1/4	22,905	1/4	11,848	1/4	928	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	44,537	1/2	33,527	1/2	22,675	1/2	11,618	1/2	784	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	44,306	3/4	33,302	3/4	22,444	3/4	11,388	3/4	640	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	44,076	5	33,078	5	22,214	5	11,157	5	496	5		5		5		5		5	
1/4	43,846	1/4	32,854	1/4	21,984	1/4	10,927	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	43,615	1/2	32,630	1/2	21,753	1/2	10,696	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	43,385	3/4	32,406	3/4	21,523	3/4	10,466	3/4	218	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	43,155	6	32,182	6	21,292	6	10,236	6	151	6		6		6		6		6	
1/4	42,924	1/4	31,958	1/4	21,062	1/4	10,005	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	42,694	1/2	31,734	1/2	20,832	1/2	9,775	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	42,464	3/4	31,510	3/4	20,601	3/4	9,545	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	42,233	7	31,286	7	20,371	7	9,314	7		7		7		7		7		7	
1/4	42,003	1/4	31,062	1/4	20,141	1/4	9,084	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	41,773	1/2	30,838	1/2	19,910	1/2	8,854	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	41,542	3/4	30,614	3/4	19,680	3/4	8,623	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	41,312	8	30,390	8	19,450	8	8,393	8		8		8		8		8		8	
1/4	41,081	1/4	30,166	1/4	19,219	1/4	8,163	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	40,851	1/2	29,942	1/2	18,989	1/2	7,932	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	40,621	3/4	29,718	3/4	18,759	3/4	7,702	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	40,390	9	29,494	9	18,528	9	7,472	9		9		9		9		9		9	
1/4	40,160	1/4	29,270	1/4	18,298	1/4	7,241	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	39,930	1/2	29,046	1/2	18,068	1/2	7,011	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	39,699	3/4	28,821	3/4	17,837	3/4	6,781	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	39,469	10	28,597	10	17,607	10	6,550	10		10		10		10		10		10	
1/4	39,239	1/4	28,373	1/4	17,377	1/4	6,320	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	39,008	1/2	28,149	1/2	17,146	1/2	6,090	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	38,778	3/4	27,925	3/4	16,916	3/4	5,860	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	38,548	11	27,701	11	16,686	11	5,630	11		11		11		11		11		11	
1/4	38,317	1/4	27,477	1/4	16,455	1/4	5,399	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	38,087	1/2	27,253	1/2	16,225	1/2	5,170	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	37,856	3/4	27,029	3/4	15,994	3/4	4,940	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 1067"

3 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	
0		0	145,675	0	135,809	0	124,841	0	113,873	0	102,906	0	91,938	0	80,970	0	70,002	0	59,034
1/4	1/4	1/4	145,620	1/4	135,581	1/4	124,613	1/4	113,645	1/4	102,677	1/4	91,709	1/4	80,741	1/4	69,773	1/4	58,805
1/2	1/2	1/2	145,565	1/2	135,352	1/2	124,384	1/2	113,416	1/2	102,449	1/2	91,481	1/2	80,513	1/2	69,545	1/2	58,577
3/4	3/4	3/4	145,510	3/4	135,124	3/4	124,156	3/4	113,188	3/4	102,220	3/4	91,252	3/4	80,284	3/4	69,316	3/4	58,348
1		1	145,387	1	134,895	1	123,927	1	112,959	1	101,992	1	91,024	1	80,056	1	69,088	1	58,120
1/4	1/4	1/4	145,263	1/4	134,667	1/4	123,699	1/4	112,731	1/4	101,763	1/4	90,795	1/4	79,827	1/4	68,859	1/4	57,891
1/2	1/2	1/2	145,139	1/2	134,438	1/2	123,470	1/2	112,502	1/2	101,535	1/2	90,567	1/2	79,599	1/2	68,631	1/2	57,663
3/4	3/4	3/4	145,015	3/4	134,210	3/4	123,242	3/4	112,274	3/4	101,306	3/4	90,338	3/4	79,370	3/4	68,402	3/4	57,434
2		2	144,822	2	133,981	2	123,013	2	112,045	2	101,078	2	90,110	2	79,142	2	68,174	2	57,206
1/4	1/4	1/4	144,629	1/4	133,753	1/4	122,785	1/4	111,817	1/4	100,849	1/4	89,881	1/4	78,913	1/4	67,945	1/4	56,977
1/2	1/2	1/2	144,436	1/2	133,524	1/2	122,556	1/2	111,588	1/2	100,621	1/2	89,653	1/2	78,685	1/2	67,717	1/2	56,749
3/4	3/4	3/4	144,243	3/4	133,296	3/4	122,328	3/4	111,360	3/4	100,392	3/4	89,424	3/4	78,456	3/4	67,488	3/4	56,520
3		3	144,019	3	133,067	3	122,099	3	111,131	3	100,164	3	89,196	3	78,228	3	67,260	3	56,292
1/4	1/4	1/4	143,795	1/4	132,839	1/4	121,871	1/4	110,903	1/4	99,935	1/4	88,967	1/4	77,999	1/4	67,031	1/4	56,063
1/2	1/2	1/2	143,571	1/2	132,610	1/2	121,642	1/2	110,674	1/2	99,707	1/2	88,739	1/2	77,771	1/2	66,803	1/2	55,835
3/4	3/4	3/4	143,347	3/4	132,382	3/4	121,414	3/4	110,446	3/4	99,478	3/4	88,510	3/4	77,542	3/4	66,574	3/4	55,606
4		4	143,119	4	132,153	4	121,185	4	110,217	4	99,250	4	88,282	4	77,314	4	66,346	4	55,378
1/4	1/4	1/4	142,891	1/4	131,925	1/4	120,957	1/4	109,989	1/4	99,021	1/4	88,053	1/4	77,085	1/4	66,117	1/4	55,149
1/2	1/2	1/2	142,663	1/2	131,696	1/2	120,728	1/2	109,760	1/2	98,793	1/2	87,825	1/2	76,857	1/2	65,889	1/2	54,921
3/4	3/4	3/4	142,435	3/4	131,468	3/4	120,500	3/4	109,532	3/4	98,564	3/4	87,596	3/4	76,628	3/4	65,660	3/4	54,692
5		5	142,207	5	131,239	5	120,271	5	109,303	5	98,336	5	87,368	5	76,400	5	65,432	5	54,464
1/4	1/4	1/4	141,979	1/4	131,011	1/4	120,043	1/4	109,075	1/4	98,107	1/4	87,139	1/4	76,171	1/4	65,203	1/4	54,235
1/2	1/2	1/2	141,750	1/2	130,782	1/2	119,814	1/2	108,846	1/2	97,879	1/2	86,911	1/2	75,943	1/2	64,975	1/2	54,007
3/4	3/4	3/4	141,522	3/4	130,554	3/4	119,586	3/4	108,618	3/4	97,650	3/4	86,682	3/4	75,714	3/4	64,746	3/4	53,778
6		6	141,293	6	130,325	6	119,357	6	108,389	6	97,422	6	86,454	6	75,486	6	64,518	6	53,550
1/4	1/4	1/4	141,065	1/4	130,097	1/4	119,129	1/4	108,161	1/4	97,193	1/4	86,225	1/4	75,257	1/4	64,289	1/4	53,321
1/2	1/2	1/2	140,836	1/2	129,868	1/2	118,900	1/2	107,932	1/2	96,965	1/2	85,997	1/2	75,029	1/2	64,061	1/2	53,093
3/4	3/4	3/4	140,608	3/4	129,640	3/4	118,672	3/4	107,704	3/4	96,736	3/4	85,768	3/4	74,800	3/4	63,832	3/4	52,864
7		7	140,379	7	129,411	7	118,443	7	107,475	7	96,508	7	85,540	7	74,572	7	63,604	7	52,636
1/4	1/4	1/4	140,151	1/4	129,183	1/4	118,215	1/4	107,247	1/4	96,279	1/4	85,311	1/4	74,343	1/4	63,375	1/4	52,407
1/2	1/2	1/2	139,922	1/2	128,954	1/2	117,986	1/2	107,018	1/2	96,051	1/2	85,083	1/2	74,115	1/2	63,147	1/2	52,179
3/4	3/4	3/4	139,694	3/4	128,726	3/4	117,758	3/4	106,790	3/4	95,822	3/4	84,854	3/4	73,886	3/4	62,918	3/4	51,950
8		8	139,465	8	128,497	8	117,529	8	106,561	8	95,594	8	84,626	8	73,658	8	62,690	8	51,722
1/4	1/4	1/4	139,237	1/4	128,269	1/4	117,301	1/4	106,333	1/4	95,365	1/4	84,397	1/4	73,429	1/4	62,461	1/4	51,493
1/2	1/2	1/2	139,008	1/2	128,040	1/2	117,072	1/2	106,104	1/2	95,137	1/2	84,169	1/2	73,201	1/2	62,233	1/2	51,265
3/4	3/4	3/4	138,780	3/4	127,812	3/4	116,844	3/4	105,876	3/4	94,908	3/4	83,940	3/4	72,972	3/4	62,004	3/4	51,036
9		9	138,551	9	127,583	9	116,615	9	105,648	9	94,680	9	83,712	9	72,744	9	61,776	9	50,808
1/4	1/4	1/4	138,323	1/4	127,355	1/4	116,387	1/4	105,419	1/4	94,451	1/4	83,483	1/4	72,515	1/4	61,547	1/4	50,579
1/2	1/2	1/2	138,094	1/2	127,126	1/2	116,158	1/2	105,191	1/2	94,223	1/2	83,255	1/2	72,287	1/2	61,319	1/2	50,351
3/4	3/4	3/4	137,866	3/4	126,898	3/4	115,930	3/4	104,962	3/4	93,994	3/4	83,026	3/4	72,058	3/4	61,090	3/4	50,122
10		10	137,637	10	126,669	10	115,701	10	104,734	10	93,766	10	82,798	10	71,830	10	60,862	10	49,894
1/4	1/4	1/4	137,409	1/4	126,441	1/4	115,473	1/4	104,505	1/4	93,537	1/4	82,569	1/4	71,601	1/4	60,633	1/4	49,665
1/2	1/2	1/2	137,180	1/2	126,212	1/2	115,244	1/2	104,277	1/2	93,309	1/2	82,341	1/2	71,373	1/2	60,405	1/2	49,437
3/4	3/4	3/4	136,952	3/4	125,984	3/4	115,016	3/4	104,048	3/4	93,080	3/4	82,112	3/4	71,144	3/4	60,176	3/4	49,208
11		11	136,723	11	125,755	11	114,787	11	103,820	11	92,852	11	81,884	11	70,916	11	59,948	11	48,980
1/4	1/4	1/4	136,495	1/4	125,527	1/4	114,559	1/4	103,591	1/4	92,623	1/4	81,655	1/4	70,687	1/4	59,719	1/4	48,751
1/2	1/2	1/2	136,266	1/2	125,298	1/2	114,330	1/2	103,363	1/2	92,395	1/2	81,427	1/2	70,459	1/2	59,491	1/2	48,523
3/4	3/4	3/4	145,729	3/4	136,038	3/4	125,070	3/4	114,102	3/4	103,134	3/4	92,166	3/4	81,198	3/4	70,230	3/4	48,294

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

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BARGE "IB 1067"

3 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	48,066	0	37,098	0	26,147	0	15,180	0	4,217	0		0		0		0		0	
1/4	47,837	1/4	36,869	1/4	25,919	1/4	14,952	1/4	3,990	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	47,609	1/2	36,641	1/2	25,691	1/2	14,723	1/2	3,762	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	47,380	3/4	36,412	3/4	25,462	3/4	14,495	3/4	3,535	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	47,152	1	36,184	1	25,234	1	14,266	1	3,309	1	1	1	1	1	1	1	1	1	1
1/4	46,923	1/4	35,955	1/4	25,005	1/4	14,038	1/4	3,082	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	46,695	1/2	35,727	1/2	24,777	1/2	13,809	1/2	2,856	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	46,466	3/4	35,498	3/4	24,548	3/4	13,581	3/4	2,630	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	46,238	2	35,270	2	24,320	2	13,352	2	2,405	2	2	2	2	2	2	2	2	2	2
1/4	46,009	1/4	35,042	1/4	24,091	1/4	13,124	1/4	2,181	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	45,781	1/2	34,814	1/2	23,863	1/2	12,895	1/2	1,956	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	45,552	3/4	34,585	3/4	23,634	3/4	12,667	3/4	1,732	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	45,324	3	34,357	3	23,406	3	12,438	3	1,529	3	3	3	3	3	3	3	3	3	3
1/4	45,095	1/4	34,129	1/4	23,177	1/4	12,210	1/4	1,326	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	44,867	1/2	33,901	1/2	22,949	1/2	11,981	1/2	1,123	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	44,638	3/4	33,673	3/4	22,720	3/4	11,753	3/4	921	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	44,410	4	33,445	4	22,492	4	11,524	4	778	4	4	4	4	4	4	4	4	4	4
1/4	44,181	1/4	33,217	1/4	22,263	1/4	11,296	1/4	635	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	43,953	1/2	32,989	1/2	22,035	1/2	11,067	1/2	493	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	43,724	3/4	32,761	3/4	21,806	3/4	10,839	3/4	350	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	43,496	5	32,533	5	21,578	5	10,610	5	283	5	5	5	5	5	5	5	5	5	5
1/4	43,267	1/4	32,305	1/4	21,349	1/4	10,382	1/4	217	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	43,039	1/2	32,077	1/2	21,121	1/2	10,153	1/2	150	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	42,810	3/4	31,849	3/4	20,892	3/4	9,925	3/4	83	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	42,582	6	31,621	6	20,664	6	9,696	6		6	6	6	6	6	6	6	6	6	6
1/4	42,353	1/4	31,393	1/4	20,435	1/4	9,468	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	42,125	1/2	31,164	1/2	20,207	1/2	9,239	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	41,896	3/4	30,936	3/4	19,978	3/4	9,011	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	41,668	7	30,708	7	19,750	7	8,783	7		7	7	7	7	7	7	7	7	7	7
1/4	41,439	1/4	30,480	1/4	19,522	1/4	8,554	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	41,211	1/2	30,252	1/2	19,293	1/2	8,326	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	40,982	3/4	30,024	3/4	19,065	3/4	8,097	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	40,754	8	29,796	8	18,836	8	7,869	8		8	8	8	8	8	8	8	8	8	8
1/4	40,525	1/4	29,568	1/4	18,608	1/4	7,640	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	40,297	1/2	29,340	1/2	18,379	1/2	7,412	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	40,068	3/4	29,112	3/4	18,151	3/4	7,183	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	39,840	9	28,884	9	17,922	9	6,955	9		9	9	9	9	9	9	9	9	9	9
1/4	39,611	1/4	28,656	1/4	17,694	1/4	6,726	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	39,383	1/2	28,428	1/2	17,465	1/2	6,498	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	39,154	3/4	28,200	3/4	17,237	3/4	6,269	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	38,926	10	27,972	10	17,008	10	6,041	10		10	10	10	10	10	10	10	10	10	10
1/4	38,697	1/4	27,744	1/4	16,780	1/4	5,813	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	38,469	1/2	27,516	1/2	16,551	1/2	5,584	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	38,240	3/4	27,288	3/4	16,323	3/4	5,356	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	38,012	11	27,060	11	16,094	11	5,128	11		11	11	11	11	11	11	11	11	11	11
1/4	37,783	1/4	26,832	1/4	15,866	1/4	4,900	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	37,555	1/2	26,604	1/2	15,637	1/2	4,672	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	37,326	3/4	26,376	3/4	15,409	3/4	4,444	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

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