



BARGE "IB 1942"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 CENTER	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8
2 CENTER	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/2	- 00-1/2
3 CENTER	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 4'-00"
 DIFF. = 2'-00" (DOWN BY STERN)

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

LENGTH BETWEEN DRAFT MARKS: 182'-06"

October 3, 2013

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

<http://www.pmacorp.net>



BARGE "IB 1942"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-05 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0	158,747	0	150,433	0	140,900	0	131,367	0	120,749	0	107,852	0	94,956	0	82,059	0	69,171
1/4		1/4	158,726	1/4	150,234	1/4	140,701	1/4	131,168	1/4	120,481	1/4	107,584	1/4	94,687	1/4	81,790	1/4	68,903
1/2		1/2	158,706	1/2	150,036	1/2	140,503	1/2	130,969	1/2	120,212	1/2	107,315	1/2	94,419	1/2	81,522	1/2	68,635
3/4		3/4	158,685	3/4	149,837	3/4	140,304	3/4	130,771	3/4	119,943	3/4	107,046	3/4	94,150	3/4	81,253	3/4	68,367
1		1	158,610	1	149,639	1	140,105	1	130,572	1	119,675	1	106,777	1	93,881	1	80,984	1	68,099
1/4		1/4	158,535	1/4	149,440	1/4	139,907	1/4	130,374	1/4	119,406	1/4	106,509	1/4	93,613	1/4	80,716	1/4	67,831
1/2		1/2	158,460	1/2	149,241	1/2	139,708	1/2	130,175	1/2	119,137	1/2	106,240	1/2	93,344	1/2	80,447	1/2	67,563
3/4		3/4	158,385	3/4	149,043	3/4	139,510	3/4	129,976	3/4	118,868	3/4	105,971	3/4	93,075	3/4	80,178	3/4	67,295
2		2	158,228	2	148,844	2	139,311	2	129,778	2	118,600	2	105,703	2	92,807	2	79,909	2	67,026
1/4		1/4	158,071	1/4	148,646	1/4	139,112	1/4	129,579	1/4	118,331	1/4	105,434	1/4	92,538	1/4	79,641	1/4	66,758
1/2		1/2	157,914	1/2	148,447	1/2	138,914	1/2	129,381	1/2	118,062	1/2	105,165	1/2	92,269	1/2	79,372	1/2	66,490
3/4		3/4	157,757	3/4	148,248	3/4	138,715	3/4	129,182	3/4	117,794	3/4	104,897	3/4	92,000	3/4	79,103	3/4	66,222
3		3	157,563	3	148,050	3	138,517	3	128,983	3	117,525	3	104,628	3	91,732	3	78,835	3	65,954
1/4		1/4	157,370	1/4	147,851	1/4	138,318	1/4	128,785	1/4	117,256	1/4	104,359	1/4	91,463	1/4	78,566	1/4	65,686
1/2		1/2	157,177	1/2	147,652	1/2	138,119	1/2	128,586	1/2	116,988	1/2	104,091	1/2	91,194	1/2	78,297	1/2	65,418
3/4		3/4	156,984	3/4	147,454	3/4	137,921	3/4	128,388	3/4	116,719	3/4	103,822	3/4	90,926	3/4	78,029	3/4	65,150
4		4	156,786	4	147,255	4	137,722	4	128,189	4	116,450	4	103,554	4	90,657	4	77,760	4	64,882
1/4		1/4	156,588	1/4	147,057	1/4	137,524	1/4	127,990	1/4	116,182	1/4	103,285	1/4	90,388	1/4	77,491	1/4	64,614
1/2		1/2	156,390	1/2	146,858	1/2	137,325	1/2	127,792	1/2	115,913	1/2	103,016	1/2	90,120	1/2	77,223	1/2	64,346
3/4		3/4	156,192	3/4	146,659	3/4	137,126	3/4	127,593	3/4	115,644	3/4	102,748	3/4	89,851	3/4	76,954	3/4	64,077
5		5	155,994	5	146,461	5	136,928	5	127,395	5	115,376	5	102,479	5	89,582	5	76,685	5	63,809
1/4		1/4	155,795	1/4	146,262	1/4	136,729	1/4	127,196	1/4	115,107	1/4	102,210	1/4	89,314	1/4	76,416	1/4	63,541
1/2		1/2	155,597	1/2	146,064	1/2	136,530	1/2	126,997	1/2	114,838	1/2	101,942	1/2	89,045	1/2	76,148	1/2	63,273
3/4		3/4	155,398	3/4	145,865	3/4	136,332	3/4	126,799	3/4	114,569	3/4	101,673	3/4	88,776	3/4	75,879	3/4	63,005
6		6	155,200	6	145,666	6	136,133	6	126,600	6	114,301	6	101,404	6	88,507	6	75,610	6	62,737
1/4		1/4	155,001	1/4	145,468	1/4	135,935	1/4	126,401	1/4	114,032	1/4	101,136	1/4	88,239	1/4	75,342	1/4	62,468
1/2		1/2	154,802	1/2	145,269	1/2	135,736	1/2	126,203	1/2	113,763	1/2	100,867	1/2	87,970	1/2	75,073	1/2	62,200
3/4		3/4	154,604	3/4	145,071	3/4	135,537	3/4	126,004	3/4	113,495	3/4	100,598	3/4	87,701	3/4	74,804	3/4	61,932
7		7	154,405	7	144,872	7	135,339	7	125,806	7	113,226	7	100,330	7	87,433	7	74,536	7	61,663
1/4		1/4	154,207	1/4	144,673	1/4	135,140	1/4	125,608	1/4	112,957	1/4	100,061	1/4	87,164	1/4	74,267	1/4	61,394
1/2		1/2	154,008	1/2	144,475	1/2	134,942	1/2	125,409	1/2	112,689	1/2	99,792	1/2	86,895	1/2	73,998	1/2	61,126
3/4		3/4	153,809	3/4	144,276	3/4	134,743	3/4	125,211	3/4	112,420	3/4	99,524	3/4	86,627	3/4	73,730	3/4	60,857
8		8	153,611	8	144,078	8	134,544	8	124,969	8	112,151	8	99,255	8	86,358	8	73,461	8	60,589
1/4		1/4	153,412	1/4	143,879	1/4	134,346	1/4	124,727	1/4	111,883	1/4	98,986	1/4	86,089	1/4	73,193	1/4	60,320
1/2		1/2	153,213	1/2	143,680	1/2	134,147	1/2	124,484	1/2	111,614	1/2	98,718	1/2	85,821	1/2	72,925	1/2	60,052
3/4		3/4	153,015	3/4	143,482	3/4	133,949	3/4	124,242	3/4	111,345	3/4	98,449	3/4	85,552	3/4	72,656	3/4	59,783
9		9	152,816	9	143,283	9	133,750	9	123,974	9	111,076	9	98,180	9	85,283	9	72,388	9	59,515
1/4		1/4	152,618	1/4	143,085	1/4	133,551	1/4	123,705	1/4	110,808	1/4	97,912	1/4	85,015	1/4	72,120	1/4	59,246
1/2		1/2	152,419	1/2	142,886	1/2	133,353	1/2	123,436	1/2	110,539	1/2	97,643	1/2	84,746	1/2	71,852	1/2	58,977
3/4		3/4	152,220	3/4	142,687	3/4	133,154	3/4	123,167	3/4	110,270	3/4	97,374	3/4	84,477	3/4	71,584	3/4	58,709
10		10	152,022	10	142,489	10	132,956	10	122,899	10	110,002	10	97,106	10	84,208	10	71,316	10	58,440
1/4		1/4	151,823	1/4	142,290	1/4	132,757	1/4	122,630	1/4	109,733	1/4	96,837	1/4	83,940	1/4	71,048	1/4	58,172
1/2		1/2	151,625	1/2	142,091	1/2	132,558	1/2	122,361	1/2	109,464	1/2	96,568	1/2	83,671	1/2	70,780	1/2	57,903
3/4		3/4	151,426	3/4	141,893	3/4	132,360	3/4	122,093	3/4	109,196	3/4	96,299	3/4	83,402	3/4	70,512	3/4	57,635
11		11	151,227	11	141,694	11	132,161	11	121,824	11	108,927	11	96,031	11	83,134	11	70,244	11	57,366
1/4		1/4	151,029	1/4	141,496	1/4	131,962	1/4	121,555	1/4	108,658	1/4	95,762	1/4	82,865	1/4	69,975	1/4	57,097
1/2		1/2	150,830	1/2	141,297	1/2	131,764	1/2	121,287	1/2	108,390	1/2	95,493	1/2	82,596	1/2	69,707	1/2	56,829
3/4		3/4	150,632	3/4	141,098	3/4	131,565	3/4	121,018	3/4	108,121	3/4	95,225	3/4	82,328	3/4	69,439	3/4	56,560

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 30'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "IB 1942"

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	56,292	0	43,401	0	30,752	0	17,862	0	4,963	0		0		0		0		0	
1/4	56,023	1/4	43,132	1/4	30,486	1/4	17,593	1/4	4,695	1/4		1/4		1/4		1/4		1/4	
1/2	55,755	1/2	42,864	1/2	30,219	1/2	17,324	1/2	4,428	1/2		1/2		1/2		1/2		1/2	
3/4	55,486	3/4	42,595	3/4	29,953	3/4	17,056	3/4	4,160	3/4		3/4		3/4		3/4		3/4	
1	55,218	1	42,327	1	29,684	1	16,787	1	3,893	1		1		1		1		1	
1/4	54,949	1/4	42,058	1/4	29,416	1/4	16,518	1/4	3,626	1/4		1/4		1/4		1/4		1/4	
1/2	54,680	1/2	41,790	1/2	29,147	1/2	16,249	1/2	3,360	1/2		1/2		1/2		1/2		1/2	
3/4	54,412	3/4	41,521	3/4	28,878	3/4	15,981	3/4	3,093	3/4		3/4		3/4		3/4		3/4	
2	54,143	2	41,256	2	28,610	2	15,712	2	2,829	2		2		2		2		2	
1/4	53,875	1/4	40,992	1/4	28,341	1/4	15,443	1/4	2,564	1/4		1/4		1/4		1/4		1/4	
1/2	53,606	1/2	40,727	1/2	28,072	1/2	15,175	1/2	2,300	1/2		1/2		1/2		1/2		1/2	
3/4	53,338	3/4	40,462	3/4	27,803	3/4	14,906	3/4	2,035	3/4		3/4		3/4		3/4		3/4	
3	53,069	3	40,200	3	27,535	3	14,637	3	1,796	3		3		3		3		3	
1/4	52,801	1/4	39,938	1/4	27,266	1/4	14,369	1/4	1,557	1/4		1/4		1/4		1/4		1/4	
1/2	52,532	1/2	39,675	1/2	26,997	1/2	14,100	1/2	1,319	1/2		1/2		1/2		1/2		1/2	
3/4	52,263	3/4	39,413	3/4	26,729	3/4	13,831	3/4	1,080	3/4		3/4		3/4		3/4		3/4	
4	51,995	4	39,150	4	26,460	4	13,562	4	912	4		4		4		4		4	
1/4	51,726	1/4	38,888	1/4	26,191	1/4	13,294	1/4	744	1/4		1/4		1/4		1/4		1/4	
1/2	51,458	1/2	38,626	1/2	25,923	1/2	13,025	1/2	575	1/2		1/2		1/2		1/2		1/2	
3/4	51,189	3/4	38,363	3/4	25,654	3/4	12,756	3/4	407	3/4		3/4		3/4		3/4		3/4	
5	50,921	5	38,101	5	25,385	5	12,488	5	329	5		5		5		5		5	
1/4	50,652	1/4	37,839	1/4	25,116	1/4	12,219	1/4	250	1/4		1/4		1/4		1/4		1/4	
1/2	50,383	1/2	37,576	1/2	24,848	1/2	11,950	1/2	172	1/2		1/2		1/2		1/2		1/2	
3/4	50,115	3/4	37,314	3/4	24,579	3/4	11,681	3/4	94	3/4		3/4		3/4		3/4		3/4	
6	49,846	6	37,052	6	24,310	6	11,413	6		6		6		6		6		6	
1/4	49,578	1/4	36,789	1/4	24,042	1/4	11,144	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	49,309	1/2	36,527	1/2	23,773	1/2	10,875	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	49,041	3/4	36,265	3/4	23,504	3/4	10,607	3/4		3/4		3/4		3/4		3/4		3/4	
7	48,772	7	36,002	7	23,236	7	10,338	7		7		7		7		7		7	
1/4	48,504	1/4	35,740	1/4	22,967	1/4	10,069	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	48,235	1/2	35,478	1/2	22,698	1/2	9,800	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	47,966	3/4	35,216	3/4	22,429	3/4	9,531	3/4		3/4		3/4		3/4		3/4		3/4	
8	47,698	8	34,953	8	22,161	8	9,262	8		8		8		8		8		8	
1/4	47,429	1/4	34,691	1/4	21,892	1/4	8,993	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	47,161	1/2	34,429	1/2	21,623	1/2	8,724	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	46,892	3/4	34,166	3/4	21,355	3/4	8,455	3/4		3/4		3/4		3/4		3/4		3/4	
9	46,624	9	33,904	9	21,086	9	8,186	9		9		9		9		9		9	
1/4	46,355	1/4	33,642	1/4	20,817	1/4	7,918	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	46,087	1/2	33,379	1/2	20,549	1/2	7,649	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	45,818	3/4	33,117	3/4	20,280	3/4	7,380	3/4		3/4		3/4		3/4		3/4		3/4	
10	45,549	10	32,855	10	20,011	10	7,111	10		10		10		10		10		10	
1/4	45,281	1/4	32,592	1/4	19,742	1/4	6,842	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	45,012	1/2	32,330	1/2	19,474	1/2	6,574	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	44,744	3/4	32,068	3/4	19,205	3/4	6,305	3/4		3/4		3/4		3/4		3/4		3/4	
11	44,475	11	31,805	11	18,936	11	6,037	11		11		11		11		11		11	
1/4	44,207	1/4	31,543	1/4	18,668	1/4	5,768	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	43,938	1/2	31,281	1/2	18,399	1/2	5,500	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	43,669	3/4	31,018	3/4	18,130	3/4	5,231	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/03/2013 CL
CALCULATED: 10/03/2013 CL
PRINTED: 10/04/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "IB 1942"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-04 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	164,961	0	153,040	0	140,577	0	128,115	0	115,653	0	103,190	0	90,728	0	78,265	0	65,803
1/4		1/4	164,820	1/4	152,780	1/4	140,318	1/4	127,855	1/4	115,393	1/4	102,931	1/4	90,468	1/4	78,006	1/4	65,543
1/2		1/2	164,679	1/2	152,520	1/2	140,058	1/2	127,596	1/2	115,133	1/2	102,671	1/2	90,209	1/2	77,746	1/2	65,284
3/4		3/4	164,539	3/4	152,261	3/4	139,798	3/4	127,336	3/4	114,874	3/4	102,411	3/4	89,949	3/4	77,487	3/4	65,024
1		1	164,319	1	152,001	1	139,539	1	127,076	1	114,614	1	102,152	1	89,689	1	77,227	1	64,765
1/4		1/4	164,100	1/4	151,742	1/4	139,279	1/4	126,817	1/4	114,354	1/4	101,892	1/4	89,430	1/4	76,967	1/4	64,505
1/2		1/2	163,880	1/2	151,482	1/2	139,020	1/2	126,557	1/2	114,095	1/2	101,632	1/2	89,170	1/2	76,708	1/2	64,245
3/4		3/4	163,661	3/4	151,222	3/4	138,760	3/4	126,298	3/4	113,835	3/4	101,373	3/4	88,910	3/4	76,448	3/4	63,986
2		2	163,406	2	150,963	2	138,500	2	126,038	2	113,576	2	101,113	2	88,651	2	76,188	2	63,726
1/4		1/4	163,152	1/4	150,703	1/4	138,241	1/4	125,778	1/4	113,316	1/4	100,854	1/4	88,391	1/4	75,929	1/4	63,466
1/2		1/2	162,898	1/2	150,443	1/2	137,981	1/2	125,519	1/2	113,056	1/2	100,594	1/2	88,131	1/2	75,669	1/2	63,207
3/4		3/4	162,643	3/4	150,184	3/4	137,721	3/4	125,259	3/4	112,797	3/4	100,334	3/4	87,872	3/4	75,409	3/4	62,947
3		3	162,384	3	149,924	3	137,462	3	124,999	3	112,537	3	100,075	3	87,612	3	75,150	3	62,687
1/4		1/4	162,125	1/4	149,664	1/4	137,202	1/4	124,740	1/4	112,277	1/4	99,815	1/4	87,353	1/4	74,890	1/4	62,428
1/2		1/2	161,866	1/2	149,405	1/2	136,942	1/2	124,480	1/2	112,018	1/2	99,555	1/2	87,093	1/2	74,631	1/2	62,168
3/4		3/4	161,607	3/4	149,145	3/4	136,683	3/4	124,220	3/4	111,758	3/4	99,296	3/4	86,833	3/4	74,371	3/4	61,909
4		4	161,348	4	148,886	4	136,423	4	123,961	4	111,498	4	99,036	4	86,574	4	74,111	4	61,649
1/4		1/4	161,088	1/4	148,626	1/4	136,164	1/4	123,701	1/4	111,239	1/4	98,776	1/4	86,314	1/4	73,852	1/4	61,389
1/2		1/2	160,829	1/2	148,366	1/2	135,904	1/2	123,442	1/2	110,979	1/2	98,517	1/2	86,054	1/2	73,592	1/2	61,130
3/4		3/4	160,569	3/4	148,107	3/4	135,644	3/4	123,182	3/4	110,720	3/4	98,257	3/4	85,795	3/4	73,332	3/4	60,870
5		5	160,309	5	147,847	5	135,385	5	122,922	5	110,460	5	97,998	5	85,535	5	73,073	5	60,610
1/4		1/4	160,050	1/4	147,587	1/4	135,125	1/4	122,663	1/4	110,200	1/4	97,738	1/4	85,276	1/4	72,813	1/4	60,351
1/2		1/2	159,790	1/2	147,328	1/2	134,865	1/2	122,403	1/2	109,941	1/2	97,478	1/2	85,016	1/2	72,554	1/2	60,091
3/4		3/4	159,531	3/4	147,068	3/4	134,606	3/4	122,143	3/4	109,681	3/4	97,219	3/4	84,756	3/4	72,294	3/4	59,832
6		6	159,271	6	146,809	6	134,346	6	121,884	6	109,421	6	96,959	6	84,497	6	72,034	6	59,572
1/4		1/4	159,011	1/4	146,549	1/4	134,087	1/4	121,624	1/4	109,162	1/4	96,699	1/4	84,237	1/4	71,775	1/4	59,312
1/2		1/2	158,752	1/2	146,289	1/2	133,827	1/2	121,364	1/2	108,902	1/2	96,440	1/2	83,977	1/2	71,515	1/2	59,053
3/4		3/4	158,492	3/4	146,030	3/4	133,567	3/4	121,105	3/4	108,642	3/4	96,180	3/4	83,718	3/4	71,255	3/4	58,793
7		7	158,232	7	145,770	7	133,308	7	120,845	7	108,383	7	95,920	7	83,458	7	70,996	7	58,533
1/4		1/4	157,973	1/4	145,510	1/4	133,048	1/4	120,586	1/4	108,123	1/4	95,661	1/4	83,198	1/4	70,736	1/4	58,274
1/2		1/2	157,713	1/2	145,251	1/2	132,788	1/2	120,326	1/2	107,864	1/2	95,401	1/2	82,939	1/2	70,476	1/2	58,014
3/4		3/4	157,453	3/4	144,991	3/4	132,529	3/4	120,066	3/4	107,604	3/4	95,142	3/4	82,679	3/4	70,217	3/4	57,754
8		8	157,194	8	144,731	8	132,269	8	119,807	8	107,344	8	94,882	8	82,420	8	69,957	8	57,495
1/4		1/4	156,934	1/4	144,472	1/4	132,009	1/4	119,547	1/4	107,085	1/4	94,622	1/4	82,160	1/4	69,698	1/4	57,235
1/2		1/2	156,675	1/2	144,212	1/2	131,750	1/2	119,287	1/2	106,825	1/2	94,363	1/2	81,900	1/2	69,438	1/2	56,976
3/4		3/4	156,415	3/4	143,953	3/4	131,490	3/4	119,028	3/4	106,565	3/4	94,103	3/4	81,641	3/4	69,178	3/4	56,716
9		9	156,155	9	143,693	9	131,231	9	118,768	9	106,306	9	93,843	9	81,381	9	68,919	9	56,456
1/4		1/4	155,896	1/4	143,433	1/4	130,971	1/4	118,509	1/4	106,046	1/4	93,584	1/4	81,121	1/4	68,659	1/4	56,197
1/2		1/2	155,636	1/2	143,174	1/2	130,711	1/2	118,249	1/2	105,787	1/2	93,324	1/2	80,862	1/2	68,399	1/2	55,937
3/4		3/4	155,376	3/4	142,914	3/4	130,452	3/4	117,989	3/4	105,527	3/4	93,065	3/4	80,602	3/4	68,140	3/4	55,677
10		10	155,117	10	142,654	10	130,192	10	117,730	10	105,267	10	92,805	10	80,343	10	67,880	10	55,418
1/4		1/4	154,857	1/4	142,395	1/4	129,932	1/4	117,470	1/4	105,008	1/4	92,545	1/4	80,083	1/4	67,621	1/4	55,158
1/2		1/2	154,597	1/2	142,135	1/2	129,673	1/2	117,210	1/2	104,748	1/2	92,286	1/2	79,823	1/2	67,361	1/2	54,898
3/4	165,350	3/4	154,338	3/4	141,875	3/4	129,413	3/4	116,951	3/4	104,488	3/4	92,026	3/4	79,564	3/4	67,101	3/4	54,639
11	165,288	11	154,078	11	141,616	11	129,153	11	116,691	11	104,229	11	91,766	11	79,304	11	66,842	11	54,379
1/4	165,226	1/4	153,819	1/4	141,356	1/4	128,894	1/4	116,431	1/4	103,969	1/4	91,507	1/4	79,044	1/4	66,582	1/4	54,120
1/2	165,163	1/2	153,559	1/2	141,097	1/2	128,634	1/2	116,172	1/2	103,709	1/2	91,247	1/2	78,785	1/2	66,322	1/2	53,860
3/4	165,101	3/4	153,299	3/4	140,837	3/4	128,375	3/4	115,912	3/4	103,450	3/4	90,987	3/4	78,525	3/4	66,063	3/4	53,600

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 30'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "IB 1942"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-04 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	53,341	0	40,878	0	28,668	0	16,206	0	3,756	0		0		0		0		0	
1/4	53,081	1/4	40,619	1/4	28,409	1/4	15,947	1/4	3,498	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	52,821	1/2	40,359	1/2	28,149	1/2	15,687	1/2	3,241	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	52,562	3/4	40,099	3/4	27,889	3/4	15,428	3/4	2,984	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	52,302	1	39,844	1	27,630	1	15,168	1	2,729	1		1		1		1		1	
1/4	52,043	1/4	39,588	1/4	27,370	1/4	14,908	1/4	2,474	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	51,783	1/2	39,332	1/2	27,111	1/2	14,649	1/2	2,219	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	51,523	3/4	39,077	3/4	26,851	3/4	14,389	3/4	1,964	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	51,264	2	38,823	2	26,591	2	14,129	2	1,733	2		2		2		2		2	
1/4	51,004	1/4	38,570	1/4	26,332	1/4	13,870	1/4	1,503	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	50,744	1/2	38,316	1/2	26,072	1/2	13,610	1/2	1,273	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	50,485	3/4	38,063	3/4	25,812	3/4	13,351	3/4	1,042	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	50,225	3	37,810	3	25,553	3	13,091	3	880	3		3		3		3		3	
1/4	49,965	1/4	37,556	1/4	25,293	1/4	12,831	1/4	718	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	49,706	1/2	37,303	1/2	25,034	1/2	12,572	1/2	556	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	49,446	3/4	37,050	3/4	24,774	3/4	12,312	3/4	394	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	49,187	4	36,796	4	24,514	4	12,052	4	318	4		4		4		4		4	
1/4	48,927	1/4	36,543	1/4	24,255	1/4	11,793	1/4	242	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	48,667	1/2	36,290	1/2	23,995	1/2	11,533	1/2	167	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	48,408	3/4	36,036	3/4	23,735	3/4	11,274	3/4	91	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	48,148	5	35,783	5	23,476	5	11,014	5		5		5		5		5		5	
1/4	47,888	1/4	35,530	1/4	23,216	1/4	10,754	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	47,629	1/2	35,277	1/2	22,957	1/2	10,495	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	47,369	3/4	35,023	3/4	22,697	3/4	10,235	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	47,110	6	34,770	6	22,437	6	9,975	6		6		6		6		6		6	
1/4	46,850	1/4	34,517	1/4	22,178	1/4	9,716	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	46,590	1/2	34,263	1/2	21,918	1/2	9,456	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	46,331	3/4	34,010	3/4	21,658	3/4	9,197	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	46,071	7	33,757	7	21,399	7	8,937	7		7		7		7		7		7	
1/4	45,811	1/4	33,503	1/4	21,139	1/4	8,677	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	45,552	1/2	33,250	1/2	20,880	1/2	8,418	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	45,292	3/4	32,997	3/4	20,620	3/4	8,158	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	45,032	8	32,743	8	20,360	8	7,898	8		8		8		8		8		8	
1/4	44,773	1/4	32,490	1/4	20,101	1/4	7,639	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	44,513	1/2	32,237	1/2	19,841	1/2	7,379	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	44,254	3/4	31,983	3/4	19,581	3/4	7,120	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	43,994	9	31,730	9	19,322	9	6,860	9		9		9		9		9		9	
1/4	43,734	1/4	31,477	1/4	19,062	1/4	6,601	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	43,475	1/2	31,224	1/2	18,803	1/2	6,341	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	43,215	3/4	30,970	3/4	18,543	3/4	6,082	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	42,955	10	30,717	10	18,283	10	5,823	10		10		10		10		10		10	
1/4	42,696	1/4	30,464	1/4	18,024	1/4	5,564	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	42,436	1/2	30,210	1/2	17,764	1/2	5,305	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	42,176	3/4	29,957	3/4	17,505	3/4	5,046	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	41,917	11	29,700	11	17,245	11	4,788	11		11		11		11		11		11	
1/4	41,657	1/4	29,442	1/4	16,985	1/4	4,529	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	41,398	1/2	29,185	1/2	16,726	1/2	4,271	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	41,138	3/4	28,928	3/4	16,466	3/4	4,013	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: 10/03/2013 CL
CALCULATED: 10/03/2013 CL
PRINTED: 10/04/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "IB 1942"

3 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	163,868	0	152,371	0	140,024	0	127,677	0	115,330	0	102,983	0	90,636	0	78,289	0	65,941
1/4		1/4	163,806	1/4	152,114	1/4	139,767	1/4	127,420	1/4	115,073	1/4	102,725	1/4	90,378	1/4	78,031	1/4	65,684
1/2		1/2	163,667	1/2	151,857	1/2	139,509	1/2	127,162	1/2	114,815	1/2	102,468	1/2	90,121	1/2	77,774	1/2	65,427
3/4		3/4	163,528	3/4	151,599	3/4	139,252	3/4	126,905	3/4	114,558	3/4	102,211	3/4	89,864	3/4	77,517	3/4	65,170
1		1	163,388	1	151,342	1	138,995	1	126,648	1	114,301	1	101,954	1	89,607	1	77,260	1	64,913
1/4		1/4	163,249	1/4	151,085	1/4	138,738	1/4	126,391	1/4	114,044	1/4	101,697	1/4	89,349	1/4	77,002	1/4	64,655
1/2		1/2	163,032	1/2	150,828	1/2	138,481	1/2	126,133	1/2	113,786	1/2	101,439	1/2	89,092	1/2	76,745	1/2	64,398
3/4		3/4	162,814	3/4	150,570	3/4	138,223	3/4	125,876	3/4	113,529	3/4	101,182	3/4	88,835	3/4	76,488	3/4	64,141
2		2	162,597	2	150,313	2	137,966	2	125,619	2	113,272	2	100,925	2	88,578	2	76,231	2	63,884
1/4		1/4	162,379	1/4	150,056	1/4	137,709	1/4	125,362	1/4	113,015	1/4	100,668	1/4	88,321	1/4	75,973	1/4	63,626
1/2		1/2	162,127	1/2	149,799	1/2	137,452	1/2	125,105	1/2	112,757	1/2	100,410	1/2	88,063	1/2	75,716	1/2	63,369
3/4		3/4	161,875	3/4	149,542	3/4	137,194	3/4	124,847	3/4	112,500	3/4	100,153	3/4	87,806	3/4	75,459	3/4	63,112
3		3	161,623	3	149,284	3	136,937	3	124,590	3	112,243	3	99,896	3	87,549	3	75,202	3	62,855
1/4		1/4	161,371	1/4	149,027	1/4	136,680	1/4	124,333	1/4	111,986	1/4	99,639	1/4	87,292	1/4	74,945	1/4	62,597
1/2		1/2	161,115	1/2	148,770	1/2	136,423	1/2	124,076	1/2	111,729	1/2	99,381	1/2	87,034	1/2	74,687	1/2	62,340
3/4		3/4	160,858	3/4	148,513	3/4	136,165	3/4	123,818	3/4	111,471	3/4	99,124	3/4	86,777	3/4	74,430	3/4	62,083
4		4	160,601	4	148,255	4	135,908	4	123,561	4	111,214	4	98,867	4	86,520	4	74,173	4	61,826
1/4		1/4	160,345	1/4	147,998	1/4	135,651	1/4	123,304	1/4	110,957	1/4	98,610	1/4	86,263	1/4	73,916	1/4	61,569
1/2		1/2	160,088	1/2	147,741	1/2	135,394	1/2	123,047	1/2	110,700	1/2	98,353	1/2	86,005	1/2	73,658	1/2	61,311
3/4		3/4	159,831	3/4	147,484	3/4	135,137	3/4	122,789	3/4	110,442	3/4	98,095	3/4	85,748	3/4	73,401	3/4	61,054
5		5	159,573	5	147,226	5	134,879	5	122,532	5	110,185	5	97,838	5	85,491	5	73,144	5	60,797
1/4		1/4	159,316	1/4	146,969	1/4	134,622	1/4	122,275	1/4	109,928	1/4	97,581	1/4	85,234	1/4	72,887	1/4	60,540
1/2		1/2	159,059	1/2	146,712	1/2	134,365	1/2	122,018	1/2	109,671	1/2	97,324	1/2	84,977	1/2	72,629	1/2	60,282
3/4		3/4	158,802	3/4	146,455	3/4	134,108	3/4	121,761	3/4	109,413	3/4	97,066	3/4	84,719	3/4	72,372	3/4	60,025
6		6	158,545	6	146,198	6	133,850	6	121,503	6	109,156	6	96,809	6	84,462	6	72,115	6	59,768
1/4		1/4	158,287	1/4	145,940	1/4	133,593	1/4	121,246	1/4	108,899	1/4	96,552	1/4	84,205	1/4	71,858	1/4	59,511
1/2		1/2	158,030	1/2	145,683	1/2	133,336	1/2	120,989	1/2	108,642	1/2	96,295	1/2	83,948	1/2	71,601	1/2	59,253
3/4		3/4	157,773	3/4	145,426	3/4	133,079	3/4	120,732	3/4	108,385	3/4	96,037	3/4	83,690	3/4	71,343	3/4	58,996
7		7	157,516	7	145,169	7	132,821	7	120,474	7	108,127	7	95,780	7	83,433	7	71,086	7	58,739
1/4		1/4	157,258	1/4	144,911	1/4	132,564	1/4	120,217	1/4	107,870	1/4	95,523	1/4	83,176	1/4	70,829	1/4	58,482
1/2		1/2	157,001	1/2	144,654	1/2	132,307	1/2	119,960	1/2	107,613	1/2	95,266	1/2	82,919	1/2	70,572	1/2	58,225
3/4		3/4	156,744	3/4	144,397	3/4	132,050	3/4	119,703	3/4	107,356	3/4	95,009	3/4	82,661	3/4	70,314	3/4	57,967
8		8	156,487	8	144,140	8	131,793	8	119,445	8	107,098	8	94,751	8	82,404	8	70,057	8	57,710
1/4		1/4	156,230	1/4	143,882	1/4	131,535	1/4	119,188	1/4	106,841	1/4	94,494	1/4	82,147	1/4	69,800	1/4	57,453
1/2		1/2	155,972	1/2	143,625	1/2	131,278	1/2	118,931	1/2	106,584	1/2	94,237	1/2	81,890	1/2	69,543	1/2	57,196
3/4		3/4	155,715	3/4	143,368	3/4	131,021	3/4	118,674	3/4	106,327	3/4	93,980	3/4	81,633	3/4	69,285	3/4	56,938
9		9	155,458	9	143,111	9	130,764	9	118,417	9	106,069	9	93,722	9	81,375	9	69,028	9	56,681
1/4		1/4	155,201	1/4	142,854	1/4	130,506	1/4	118,159	1/4	105,812	1/4	93,465	1/4	81,118	1/4	68,771	1/4	56,424
1/2		1/2	154,943	1/2	142,596	1/2	130,249	1/2	117,902	1/2	105,555	1/2	93,208	1/2	80,861	1/2	68,514	1/2	56,167
3/4		3/4	154,686	3/4	142,339	3/4	129,992	3/4	117,645	3/4	105,298	3/4	92,951	3/4	80,604	3/4	68,257	3/4	55,909
10		10	154,429	10	142,082	10	129,735	10	117,388	10	105,041	10	92,693	10	80,346	10	67,999	10	55,652
1/4		1/4	154,172	1/4	141,825	1/4	129,477	1/4	117,130	1/4	104,783	1/4	92,436	1/4	80,089	1/4	67,742	1/4	55,395
1/2		1/2	153,914	1/2	141,567	1/2	129,220	1/2	116,873	1/2	104,526	1/2	92,179	1/2	79,832	1/2	67,485	1/2	55,138
3/4		3/4	153,657	3/4	141,310	3/4	128,963	3/4	116,616	3/4	104,269	3/4	91,922	3/4	79,575	3/4	67,228	3/4	54,881
11		11	153,400	11	141,053	11	128,706	11	116,359	11	104,012	11	91,665	11	79,317	11	66,970	11	54,623
1/4	164,053	1/4	153,143	1/4	140,796	1/4	128,449	1/4	116,101	1/4	103,754	1/4	91,407	1/4	79,060	1/4	66,713	1/4	54,366
1/2	163,991	1/2	152,886	1/2	140,538	1/2	128,191	1/2	115,844	1/2	103,497	1/2	91,150	1/2	78,803	1/2	66,456	1/2	54,109
3/4	163,930	3/4	152,628	3/4	140,281	3/4	127,934	3/4	115,587	3/4	103,240	3/4	90,893	3/4	78,546	3/4	66,199	3/4	53,852

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 30'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "IB 1942"

3 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	53,594	0	41,247	0	28,918	0	16,571	0	4,232	0		0		0		0		0	
1/4	53,337	1/4	40,990	1/4	28,661	1/4	16,314	1/4	3,976	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	53,080	1/2	40,733	1/2	28,403	1/2	16,057	1/2	3,721	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	52,823	3/4	40,476	3/4	28,146	3/4	15,800	3/4	3,466	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	52,565	1	40,218	1	27,889	1	15,542	1	3,212	1		1		1		1		1	
1/4	52,308	1/4	39,961	1/4	27,632	1/4	15,285	1/4	2,957	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	52,051	1/2	39,704	1/2	27,375	1/2	15,028	1/2	2,704	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	51,794	3/4	39,447	3/4	27,117	3/4	14,771	3/4	2,451	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	51,537	2	39,190	2	26,860	2	14,513	2	2,199	2		2		2		2		2	
1/4	51,279	1/4	38,933	1/4	26,603	1/4	14,256	1/4	1,946	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	51,022	1/2	38,676	1/2	26,346	1/2	13,999	1/2	1,718	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	50,765	3/4	38,420	3/4	26,088	3/4	13,742	3/4	1,489	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	50,508	3	38,163	3	25,831	3	13,485	3	1,261	3		3		3		3		3	
1/4	50,250	1/4	37,906	1/4	25,574	1/4	13,227	1/4	1,033	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	49,993	1/2	37,649	1/2	25,317	1/2	12,970	1/2	872	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	49,736	3/4	37,392	3/4	25,060	3/4	12,713	3/4	712	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	49,479	4	37,135	4	24,802	4	12,456	4	551	4		4		4		4		4	
1/4	49,221	1/4	36,879	1/4	24,545	1/4	12,198	1/4	390	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	48,964	1/2	36,622	1/2	24,288	1/2	11,941	1/2	315	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	48,707	3/4	36,365	3/4	24,031	3/4	11,684	3/4	240	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	48,450	5	36,108	5	23,773	5	11,427	5	165	5		5		5		5		5	
1/4	48,193	1/4	35,852	1/4	23,516	1/4	11,170	1/4	91	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	47,935	1/2	35,595	1/2	23,259	1/2	10,912	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	47,678	3/4	35,338	3/4	23,002	3/4	10,655	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	47,421	6	35,081	6	22,745	6	10,398	6		6		6		6		6		6	
1/4	47,164	1/4	34,824	1/4	22,487	1/4	10,141	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	46,906	1/2	34,568	1/2	22,230	1/2	9,883	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	46,649	3/4	34,311	3/4	21,973	3/4	9,626	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	46,392	7	34,054	7	21,716	7	9,369	7		7		7		7		7		7	
1/4	46,135	1/4	33,797	1/4	21,458	1/4	9,112	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	45,877	1/2	33,541	1/2	21,201	1/2	8,855	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	45,620	3/4	33,284	3/4	20,944	3/4	8,597	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	45,363	8	33,027	8	20,687	8	8,340	8		8		8		8		8		8	
1/4	45,106	1/4	32,770	1/4	20,430	1/4	8,083	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	44,849	1/2	32,513	1/2	20,172	1/2	7,826	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	44,591	3/4	32,257	3/4	19,915	3/4	7,569	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	44,334	9	32,000	9	19,658	9	7,311	9		9		9		9		9		9	
1/4	44,077	1/4	31,743	1/4	19,401	1/4	7,054	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	43,820	1/2	31,486	1/2	19,143	1/2	6,797	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	43,562	3/4	31,230	3/4	18,886	3/4	6,540	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	43,305	10	30,973	10	18,629	10	6,283	10		10		10		10		10		10	
1/4	43,048	1/4	30,716	1/4	18,372	1/4	6,026	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	42,791	1/2	30,459	1/2	18,115	1/2	5,769	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	42,533	3/4	30,202	3/4	17,857	3/4	5,513	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	42,276	11	29,946	11	17,600	11	5,256	11		11		11		11		11		11	
1/4	42,019	1/4	29,689	1/4	17,343	1/4	5,000	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	41,762	1/2	29,432	1/2	17,086	1/2	4,744	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	41,505	3/4	29,175	3/4	16,828	3/4	4,488	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 10/2013

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