



BARGE "IB 1060"

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

(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 3 CENTER IS 00-1/4"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 3 CENTER, THE TRIM CORRECTED ULLAGE IS 4'-00 1/4"

LENGTH BETWEEN DRAFT MARKS: 163'-00"

August 14, 2013

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "IB 1060"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-05 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0	158,429	0	149,009	0	138,379	0	127,749	0	116,539	0	104,106	0	91,674	0	79,241	0	66,817
1/4	1/4	158,391	148,787	148,566	137,936	127,306	116,021	103,588	91,156	78,723	66,300								
1/2	1/2	158,352	148,345	137,715	126,864	115,503	103,070	90,638	78,205	65,784									
3/4	3/4	158,314	147,902	137,272	126,421	114,985	102,552	90,120	77,687	65,267									
1	1	157,904	147,459	136,829	125,978	114,467	102,034	89,602	77,169	64,750									
1/4	1/4	157,866	147,016	136,386	125,535	113,949	101,516	89,084	76,651	64,233									
1/2	1/2	157,828	146,573	135,943	125,092	113,431	100,998	88,566	76,133	63,716									
3/4	3/4	157,790	146,130	135,500	124,649	112,913	100,480	88,048	75,615	63,199									
2	2	156,374	145,687	135,057	124,208	112,395	99,962	87,530	75,097	62,682									
1/4	1/4	156,336	145,244	134,614	123,763	111,877	99,444	87,012	74,579	62,166									
1/2	1/2	156,298	144,801	134,172	123,320	111,359	98,926	86,494	74,061	61,649									
3/4	3/4	156,260	144,358	133,729	122,877	110,841	98,408	85,976	73,542	61,132									
3	3	155,844	143,915	133,286	122,435	110,323	97,890	85,458	73,024	60,615									
1/4	1/4	155,806	143,473	132,843	121,992	109,805	97,372	84,940	72,506	60,097									
1/2	1/2	155,768	143,030	132,400	121,550	109,367	96,854	84,422	71,988	59,580									
3/4	3/4	155,730	142,587	131,957	121,107	108,849	96,336	83,904	71,470	59,062									
4	4	155,314	142,144	131,514	120,664	108,411	95,818	83,386	70,952	58,544									
1/4	1/4	155,276	141,701	131,071	120,221	107,973	95,300	82,868	70,434	58,026									
1/2	1/2	155,238	141,258	130,628	119,778	107,535	94,782	82,350	69,916	57,508									
3/4	3/4	155,200	141,037	130,407	119,648	107,402	94,652	82,220	69,786	57,382									
5	5	154,784	140,815	130,185	119,389	107,133	94,522	82,090	69,660	57,256									
1/4	1/4	154,746	140,372	129,742	118,946	106,695	94,392	81,960	69,534	57,130									
1/2	1/2	154,708	140,150	129,520	118,724	106,473	94,262	81,830	69,408	57,004									
3/4	3/4	154,670	140,116	129,486	118,690	106,437	94,132	81,700	69,282	56,878									
6	6	154,254	139,929	129,300	118,353	106,168	93,863	81,431	68,955	56,752									
1/4	1/4	154,216	139,486	128,857	117,910	105,731	93,733	81,301	68,829	56,626									
1/2	1/2	154,178	139,264	128,688	117,688	105,509	93,603	81,171	68,703	56,500									
3/4	3/4	154,140	139,042	128,466	117,466	105,287	93,473	81,041	68,577	56,374									
7	7	153,724	138,857	128,280	117,244	105,065	93,343	80,911	68,451	56,248									
1/4	1/4	153,686	138,822	128,245	117,209	105,030	93,308	80,876	68,416	56,213									
1/2	1/2	153,648	138,787	128,210	117,174	104,995	93,273	80,841	68,381	56,178									
3/4	3/4	153,610	138,752	128,175	117,139	104,960	93,238	80,806	68,346	56,143									
8	8	153,194	138,597	128,009	116,963	104,784	93,108	80,680	68,220	56,017									
1/4	1/4	153,156	138,562	128,024	116,978	104,799	93,123	80,695	68,235	56,032									
1/2	1/2	153,118	138,527	128,043	116,997	104,813	93,142	80,714	68,254	56,051									
3/4	3/4	153,080	138,542	128,062	117,016	104,828	93,161	80,733	68,273	56,070									
9	9	152,664	138,397	127,896	116,840	104,652	93,033	80,607	68,147	55,944									
1/4	1/4	152,626	138,362	127,861	116,805	104,617	93,048	80,622	68,162	55,959									
1/2	1/2	152,588	138,327	127,826	116,770	104,582	93,063	80,637	68,177	55,974									
3/4	3/4	152,550	138,292	127,791	116,735	104,547	93,078	80,652	68,192	55,989									
10	10	152,134	138,147	127,625	116,559	104,371	92,949	80,526	68,066	55,863									
1/4	1/4	152,096	138,112	127,590	116,524	104,336	92,964	80,541	68,081	55,878									
1/2	1/2	152,058	138,077	127,555	116,489	104,301	92,979	80,556	68,096	55,893									
3/4	3/4	152,020	138,042	127,520	116,454	104,266	92,994	80,571	68,111	55,908									
11	11	151,604	137,897	127,354	116,278	104,090	92,865	80,445	67,985	55,782									
1/4	1/4	151,566	137,862	127,343	116,267	104,079	92,854	80,434	67,974	55,771									
1/2	1/2	151,528	137,827	127,318	116,242	104,054	92,829	80,409	67,949	55,746									
3/4	3/4	151,490	137,792	127,293	116,217	104,029	92,804	80,384	67,924	55,721									
12	12	151,074	137,647	127,127	116,041	103,853	92,675	80,258	67,798	55,595									
1/4	1/4	151,036	137,612	127,116	116,030	103,842	92,664	80,247	67,787	55,584									
1/2	1/2	151,000	137,577	127,081	116,005	103,817	92,639	80,222	67,762	55,559									
3/4	3/4	150,962	137,542	127,056	115,980	103,792	92,614	80,197	67,737	55,534									
13	13	150,546	137,397	126,890	115,804	103,616	92,485	80,071	67,611	55,408									
1/4	1/4	150,508	137,362	126,879	115,793	103,605	92,474	80,060	67,600	55,397									
1/2	1/2	150,470	137,327	126,854	115,768	103,580	92,449	80,035	67,575	55,372									
3/4	3/4	150,432	137,292	126,829	115,743	103,555	92,424	80,010	67,550	55,347									
14	14	150,016	137,147	126,663	115,567	103,379	92,295	79,884	67,424	55,221									
1/4	1/4	150,000	137,112	126,652	115,556	103,368	92,284	79,873	67,413	55,210									
1/2	1/2	150,000	137,077	126,627	115,531	103,343	92,259	79,848	67,388	55,185									
3/4	3/4	150,000	137,042	126,602	115,506	103,318	92,234	79,823	67,363	55,160									
15	15	149,580	136,897	126,436	115,330	103,142	92,105	79,697	67,237	55,034									
1/4	1/4	149,564	136,862	126,425	115,319	103,131	92,094	79,686	67,226	55,023									
1/2	1/2	149,548	136,827	126,400	115,294	103,106	92,069	79,661	67,201	55,000									
3/4	3/4	149,510	136,792	126,375	115,269	103,081	92,044	79,636	67,176	54,975									
16	16	149,094	136,647	126,209	115,093	102,905	91,915	79,510	67,050	54,849									
1/4	1/4	149,078	136,612	126,198	115,082	102,894	91,904	79,500	67,039	54,838									
1/2	1/2	149,062	136,577	126,173	115,057	102,869	91,879	79,475	67,014	54,813									
3/4	3/4	149,024	136,542	126,148	115,032	102,844	91,854	79,450	66,989	54,788									
17	17	148,608	136,397	125,982	114,856	102,668	91,725	79,324	66,863	54,662									
1/4	1/4	148,592	136,362	125,971	114,845	102,657	91,714	79,314	66,852	54,651									
1/2	1/2	148,576	136,327	125,947	114														



BARGE "IB 1060"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-05 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	54,402	0	41,975	0	29,790	0	17,364	0	4,929	0		0		0		0		0	
1/4	54,143	1/4	41,716	1/4	29,534	1/4	17,105	1/4	4,671	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	53,884	1/2	41,457	1/2	29,277	1/2	16,846	1/2	4,413	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	53,625	3/4	41,198	3/4	29,020	3/4	16,587	3/4	4,155	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	53,366	1	40,939	1	28,761	1	16,328	1	3,898	1		1		1		1		1	
1/4	53,107	1/4	40,680	1/4	28,502	1/4	16,069	1/4	3,641	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	52,848	1/2	40,422	1/2	28,243	1/2	15,810	1/2	3,384	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	52,590	3/4	40,163	3/4	27,984	3/4	15,551	3/4	3,127	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	52,331	2	39,908	2	27,725	2	15,292	2	2,872	2		2		2		2		2	
1/4	52,072	1/4	39,653	1/4	27,466	1/4	15,033	1/4	2,617	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	51,813	1/2	39,398	1/2	27,207	1/2	14,774	1/2	2,362	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	51,554	3/4	39,143	3/4	26,948	3/4	14,515	3/4	2,106	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	51,295	3	38,890	3	26,689	3	14,256	3	1,876	3		3		3		3		3	
1/4	51,036	1/4	38,637	1/4	26,430	1/4	13,997	1/4	1,646	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	50,777	1/2	38,385	1/2	26,171	1/2	13,738	1/2	1,416	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	50,518	3/4	38,132	3/4	25,912	3/4	13,479	3/4	1,185	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	50,260	4	37,879	4	25,653	4	13,220	4	1,023	4		4		4		4		4	
1/4	50,001	1/4	37,627	1/4	25,394	1/4	12,960	1/4	861	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	49,742	1/2	37,374	1/2	25,135	1/2	12,701	1/2	699	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	49,483	3/4	37,121	3/4	24,876	3/4	12,442	3/4	537	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	49,224	5	36,869	5	24,617	5	12,183	5	462	5		5		5		5		5	
1/4	48,965	1/4	36,616	1/4	24,358	1/4	11,924	1/4	386	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	48,706	1/2	36,363	1/2	24,099	1/2	11,665	1/2	310	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	48,447	3/4	36,111	3/4	23,840	3/4	11,406	3/4	234	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	48,188	6	35,858	6	23,581	6	11,147	6		6		6		6		6		6	
1/4	47,930	1/4	35,605	1/4	23,322	1/4	10,888	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	47,671	1/2	35,353	1/2	23,063	1/2	10,629	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	47,412	3/4	35,100	3/4	22,804	3/4	10,370	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	47,153	7	34,847	7	22,545	7	10,111	7		7		7		7		7		7	
1/4	46,894	1/4	34,595	1/4	22,286	1/4	9,852	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	46,635	1/2	34,342	1/2	22,027	1/2	9,592	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	46,376	3/4	34,089	3/4	21,768	3/4	9,333	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	46,117	8	33,837	8	21,509	8	9,074	8		8		8		8		8		8	
1/4	45,858	1/4	33,584	1/4	21,250	1/4	8,815	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	45,599	1/2	33,331	1/2	20,990	1/2	8,555	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	45,341	3/4	33,079	3/4	20,731	3/4	8,296	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	45,082	9	32,826	9	20,472	9	8,037	9		9		9		9		9		9	
1/4	44,823	1/4	32,574	1/4	20,213	1/4	7,778	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	44,564	1/2	32,321	1/2	19,954	1/2	7,519	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	44,305	3/4	32,068	3/4	19,695	3/4	7,259	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	44,046	10	31,816	10	19,436	10	7,000	10		10		10		10		10		10	
1/4	43,787	1/4	31,563	1/4	19,177	1/4	6,741	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	43,528	1/2	31,310	1/2	18,918	1/2	6,482	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	43,269	3/4	31,058	3/4	18,659	3/4	6,223	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	43,011	11	30,805	11	18,400	11	5,964	11		11		11		11		11		11	
1/4	42,752	1/4	30,552	1/4	18,141	1/4	5,705	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	42,493	1/2	30,300	1/2	17,882	1/2	5,447	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	42,234	3/4	30,047	3/4	17,623	3/4	5,188	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: 08/13/2013 CL - SW
CALCULATED: 08/14/2013 CL
PRINTED: 08/14/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "IB 1060"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-06"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0	146,686	0	136,915	0	125,858	0	114,800	0	103,743	0	92,685	0	81,627	0	70,570	0	59,512
1/4	1/4	146,631	1/4	136,685	1/4	125,627	1/4	114,570	1/4	103,512	1/4	92,455	1/4	81,397	1/4	70,340	1/4	59,282	
1/2	1/2	146,576	1/2	136,455	1/2	125,397	1/2	114,339	1/2	103,282	1/2	92,224	1/2	81,167	1/2	70,109	1/2	59,052	
3/4	3/4	146,520	3/4	136,224	3/4	125,167	3/4	114,109	3/4	103,051	3/4	91,994	3/4	80,936	3/4	69,879	3/4	58,821	
1		1	146,465	1	135,994	1	124,936	1	113,879	1	102,821	1	91,764	1	80,706	1	69,648	1	58,591
1/4	1/4	146,341	1/4	135,763	1/4	124,706	1/4	113,648	1/4	102,591	1/4	91,533	1/4	80,476	1/4	69,418	1/4	58,361	
1/2	1/2	146,216	1/2	135,533	1/2	124,476	1/2	113,418	1/2	102,360	1/2	91,303	1/2	80,245	1/2	69,188	1/2	58,130	
3/4	3/4	146,091	3/4	135,303	3/4	124,245	3/4	113,188	3/4	102,130	3/4	91,072	3/4	80,015	3/4	68,957	3/4	57,900	
2		2	145,966	2	135,072	2	124,015	2	112,957	2	101,900	2	90,842	2	79,785	2	68,727	2	57,669
1/4	1/4	145,771	1/4	134,842	1/4	123,784	1/4	112,727	1/4	101,669	1/4	90,612	1/4	79,554	1/4	68,497	1/4	57,439	
1/2	1/2	145,577	1/2	134,612	1/2	123,554	1/2	112,496	1/2	101,439	1/2	90,381	1/2	79,324	1/2	68,266	1/2	57,209	
3/4	3/4	145,382	3/4	134,381	3/4	123,324	3/4	112,266	3/4	101,209	3/4	90,151	3/4	79,093	3/4	68,036	3/4	56,978	
3		3	145,187	3	134,151	3	123,093	3	112,036	3	100,978	3	89,921	3	78,863	3	67,806	3	56,748
1/4	1/4	144,961	1/4	133,921	1/4	122,863	1/4	111,805	1/4	100,748	1/4	89,690	1/4	78,633	1/4	67,575	1/4	56,518	
1/2	1/2	144,736	1/2	133,690	1/2	122,633	1/2	111,575	1/2	100,517	1/2	89,460	1/2	78,402	1/2	67,345	1/2	56,287	
3/4	3/4	144,510	3/4	133,460	3/4	122,402	3/4	111,345	3/4	100,287	3/4	89,230	3/4	78,172	3/4	67,114	3/4	56,057	
4		4	144,284	4	133,229	4	122,172	4	111,114	4	100,057	4	88,999	4	77,942	4	66,884	4	55,826
1/4	1/4	144,055	1/4	132,999	1/4	121,941	1/4	110,884	1/4	99,826	1/4	88,769	1/4	77,711	1/4	66,654	1/4	55,596	
1/2	1/2	143,825	1/2	132,769	1/2	121,711	1/2	110,654	1/2	99,596	1/2	88,538	1/2	77,481	1/2	66,423	1/2	55,366	
3/4	3/4	143,595	3/4	132,538	3/4	121,481	3/4	110,423	3/4	99,366	3/4	88,308	3/4	77,251	3/4	66,193	3/4	55,135	
5		5	143,365	5	132,308	5	121,250	5	110,193	5	99,135	5	88,078	5	77,020	5	65,963	5	54,905
1/4	1/4	143,135	1/4	132,078	1/4	121,020	1/4	109,962	1/4	98,905	1/4	87,847	1/4	76,790	1/4	65,732	1/4	54,675	
1/2	1/2	142,905	1/2	131,847	1/2	120,790	1/2	109,732	1/2	98,675	1/2	87,617	1/2	76,559	1/2	65,502	1/2	54,444	
3/4	3/4	142,674	3/4	131,617	3/4	120,559	3/4	109,502	3/4	98,444	3/4	87,387	3/4	76,329	3/4	65,271	3/4	54,214	
6		6	142,444	6	131,386	6	120,329	6	109,271	6	98,214	6	87,156	6	76,099	6	65,041	6	53,984
1/4	1/4	142,214	1/4	131,156	1/4	120,099	1/4	109,041	1/4	97,983	1/4	86,926	1/4	75,868	1/4	64,811	1/4	53,753	
1/2	1/2	141,983	1/2	130,926	1/2	119,868	1/2	108,811	1/2	97,753	1/2	86,696	1/2	75,638	1/2	64,580	1/2	53,523	
3/4	3/4	141,753	3/4	130,695	3/4	119,638	3/4	108,580	3/4	97,523	3/4	86,465	3/4	75,408	3/4	64,350	3/4	53,292	
7		7	141,523	7	130,465	7	119,407	7	108,350	7	97,292	7	86,235	7	75,177	7	64,120	7	53,062
1/4	1/4	141,292	1/4	130,235	1/4	119,177	1/4	108,120	1/4	97,062	1/4	86,004	1/4	74,947	1/4	63,889	1/4	52,832	
1/2	1/2	141,062	1/2	130,004	1/2	118,947	1/2	107,889	1/2	96,832	1/2	85,774	1/2	74,716	1/2	63,659	1/2	52,601	
3/4	3/4	140,831	3/4	129,774	3/4	118,716	3/4	107,659	3/4	96,601	3/4	85,544	3/4	74,486	3/4	63,429	3/4	52,371	
8		8	140,601	8	129,544	8	118,486	8	107,428	8	96,371	8	85,313	8	74,256	8	63,198	8	52,141
1/4	1/4	140,371	1/4	129,313	1/4	118,256	1/4	107,198	1/4	96,141	1/4	85,083	1/4	74,025	1/4	62,968	1/4	51,910	
1/2	1/2	140,140	1/2	129,083	1/2	118,025	1/2	106,968	1/2	95,910	1/2	84,853	1/2	73,795	1/2	62,737	1/2	51,680	
3/4	3/4	139,910	3/4	128,852	3/4	117,795	3/4	106,737	3/4	95,680	3/4	84,622	3/4	73,565	3/4	62,507	3/4	51,450	
9		9	139,680	9	128,622	9	117,565	9	106,507	9	95,449	9	84,392	9	73,334	9	62,277	9	51,219
1/4	1/4	139,449	1/4	128,392	1/4	117,334	1/4	106,277	1/4	95,219	1/4	84,161	1/4	73,104	1/4	62,046	1/4	50,989	
1/2	1/2	139,219	1/2	128,161	1/2	117,104	1/2	106,046	1/2	94,989	1/2	83,931	1/2	72,874	1/2	61,816	1/2	50,758	
3/4	3/4	138,989	3/4	127,931	3/4	116,873	3/4	105,816	3/4	94,758	3/4	83,701	3/4	72,643	3/4	61,586	3/4	50,528	
10		10	138,758	10	127,701	10	116,643	10	105,586	10	94,528	10	83,470	10	72,413	10	61,355	10	50,298
1/4	1/4	138,528	1/4	127,470	1/4	116,413	1/4	105,355	1/4	94,298	1/4	83,240	1/4	72,182	1/4	61,125	1/4	50,067	
1/2	1/2	138,297	1/2	127,240	1/2	116,182	1/2	105,125	1/2	94,067	1/2	83,010	1/2	71,952	1/2	60,895	1/2	49,837	
3/4	3/4	138,067	3/4	127,010	3/4	115,952	3/4	104,894	3/4	93,837	3/4	82,779	3/4	71,722	3/4	60,664	3/4	49,607	
11		11	137,837	11	126,779	11	115,722	11	104,664	11	93,606	11	82,549	11	71,491	11	60,434	11	49,376
1/4	1/4	137,606	1/4	126,549	1/4	115,491	1/4	104,434	1/4	93,376	1/4	82,319	1/4	71,261	1/4	60,203	1/4	49,146	
1/2	1/2	137,376	1/2	126,318	1/2	115,261	1/2	104,203	1/2	93,146	1/2	82,088	1/2	71,031	1/2	59,973	1/2	48,916	
3/4	3/4	137,146	3/4	126,088	3/4	115,031	3/4	103,973	3/4	92,915	3/4	81,858	3/4	70,800	3/4	59,743	3/4	48,685	

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 1060"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-06"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	48,455	0	37,397	0	26,582	0	15,534	0	4,480	0		0		0		0		0	
1/4	48,224	1/4	37,167	1/4	26,354	1/4	15,304	1/4	4,251	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	47,994	1/2	36,937	1/2	26,126	1/2	15,074	1/2	4,022	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	47,764	3/4	36,706	3/4	25,898	3/4	14,843	3/4	3,793	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	47,533	1	36,476	1	25,670	1	14,613	1	3,564	1		1		1		1		1	
1/4	47,303	1/4	36,245	1/4	25,440	1/4	14,383	1/4	3,335	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	47,073	1/2	36,015	1/2	25,209	1/2	14,152	1/2	3,107	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	46,842	3/4	35,785	3/4	24,979	3/4	13,922	3/4	2,879	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	46,612	2	35,554	2	24,749	2	13,692	2	2,651	2		2		2		2		2	
1/4	46,381	1/4	35,328	1/4	24,518	1/4	13,461	1/4	2,425	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	46,151	1/2	35,101	1/2	24,288	1/2	13,231	1/2	2,198	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	45,921	3/4	34,875	3/4	24,058	3/4	13,000	3/4	1,972	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	45,690	3	34,648	3	23,827	3	12,770	3	1,745	3		3		3		3		3	
1/4	45,460	1/4	34,424	1/4	23,597	1/4	12,540	1/4	1,541	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	45,230	1/2	34,200	1/2	23,367	1/2	12,309	1/2	1,337	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	44,999	3/4	33,976	3/4	23,136	3/4	12,079	3/4	1,132	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	44,769	4	33,752	4	22,906	4	11,849	4	928	4		4		4		4		4	
1/4	44,539	1/4	33,528	1/4	22,675	1/4	11,618	1/4	784	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	44,308	1/2	33,304	1/2	22,445	1/2	11,388	1/2	640	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	44,078	3/4	33,080	3/4	22,215	3/4	11,158	3/4	496	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	43,847	5	32,856	5	21,984	5	10,927	5	353	5		5		5		5		5	
1/4	43,617	1/4	32,632	1/4	21,754	1/4	10,697	1/4	285	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	43,387	1/2	32,408	1/2	21,524	1/2	10,467	1/2	218	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	43,156	3/4	32,183	3/4	21,293	3/4	10,236	3/4	151	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	42,926	6	31,959	6	21,063	6	10,006	6	84	6		6		6		6		6	
1/4	42,696	1/4	31,735	1/4	20,833	1/4	9,775	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	42,465	1/2	31,511	1/2	20,602	1/2	9,545	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	42,235	3/4	31,287	3/4	20,372	3/4	9,315	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	42,005	7	31,063	7	20,142	7	9,084	7		7		7		7		7		7	
1/4	41,774	1/4	30,839	1/4	19,911	1/4	8,854	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	41,544	1/2	30,615	1/2	19,681	1/2	8,624	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	41,313	3/4	30,391	3/4	19,450	3/4	8,393	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	41,083	8	30,167	8	19,220	8	8,163	8		8		8		8		8		8	
1/4	40,853	1/4	29,943	1/4	18,990	1/4	7,933	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	40,622	1/2	29,719	1/2	18,759	1/2	7,702	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	40,392	3/4	29,495	3/4	18,529	3/4	7,472	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	40,162	9	29,271	9	18,299	9	7,242	9		9		9		9		9		9	
1/4	39,931	1/4	29,047	1/4	18,068	1/4	7,011	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	39,701	1/2	28,823	1/2	17,838	1/2	6,781	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	39,471	3/4	28,599	3/4	17,608	3/4	6,551	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	39,240	10	28,375	10	17,377	10	6,320	10		10		10		10		10		10	
1/4	39,010	1/4	28,150	1/4	17,147	1/4	6,090	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	38,779	1/2	27,926	1/2	16,917	1/2	5,860	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	38,549	3/4	27,702	3/4	16,686	3/4	5,630	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	38,319	11	27,478	11	16,456	11	5,400	11		11		11		11		11		11	
1/4	38,088	1/4	27,254	1/4	16,225	1/4	5,170	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	37,858	1/2	27,030	1/2	15,995	1/2	4,940	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	37,628	3/4	26,806	3/4	15,765	3/4	4,710	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: 08/13/2013 CL - SW
CALCULATED: 08/14/2013 CL
PRINTED: 08/14/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2013

PRECISION MEASUREMENT
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BARGE "IB 1060"

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	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	145,454	0	135,426	0	124,470	0	113,515	0	102,560	0	91,604	0	80,649	0	69,694	0	58,738	
1/4	1/4	145,399	1/4	135,198	1/4	124,242	1/4	113,287	1/4	102,331	1/4	91,376	1/4	80,421	1/4	69,465	1/4	58,510	
1/2	1/2	145,344	1/2	134,969	1/2	124,014	1/2	113,059	1/2	102,103	1/2	91,148	1/2	80,192	1/2	69,237	1/2	58,282	
3/4	3/4	145,221	3/4	134,741	3/4	123,786	3/4	112,830	3/4	101,875	3/4	90,920	3/4	79,964	3/4	69,009	3/4	58,053	
1	1	145,097	1	134,513	1	123,558	1	112,602	1	101,647	1	90,691	1	79,736	1	68,781	1	57,825	
1/4	1/4	144,973	1/4	134,285	1/4	123,329	1/4	112,374	1/4	101,419	1/4	90,463	1/4	79,508	1/4	68,552	1/4	57,597	
1/2	1/2	144,850	1/2	134,056	1/2	123,101	1/2	112,146	1/2	101,190	1/2	90,235	1/2	79,279	1/2	68,324	1/2	57,369	
3/4	3/4	144,657	3/4	133,828	3/4	122,873	3/4	111,917	3/4	100,962	3/4	90,007	3/4	79,051	3/4	68,096	3/4	57,140	
2	2	144,464	2	133,600	2	122,645	2	111,689	2	100,734	2	89,778	2	78,823	2	67,868	2	56,912	
1/4	1/4	144,271	1/4	133,372	1/4	122,416	1/4	111,461	1/4	100,506	1/4	89,550	1/4	78,595	1/4	67,639	1/4	56,684	
1/2	1/2	144,078	1/2	133,144	1/2	122,188	1/2	111,233	1/2	100,277	1/2	89,322	1/2	78,367	1/2	67,411	1/2	56,456	
3/4	3/4	143,854	3/4	132,915	3/4	121,960	3/4	111,004	3/4	100,049	3/4	89,094	3/4	78,138	3/4	67,183	3/4	56,227	
3	3	143,631	3	132,687	3	121,732	3	110,776	3	99,821	3	88,865	3	77,910	3	66,955	3	55,999	
1/4	1/4	143,407	1/4	132,459	1/4	121,503	1/4	110,548	1/4	99,593	1/4	88,637	1/4	77,682	1/4	66,726	1/4	55,771	
1/2	1/2	143,183	1/2	132,231	1/2	121,275	1/2	110,320	1/2	99,364	1/2	88,409	1/2	77,454	1/2	66,498	1/2	55,543	
3/4	3/4	142,956	3/4	132,002	3/4	121,047	3/4	110,092	3/4	99,136	3/4	88,181	3/4	77,225	3/4	66,270	3/4	55,315	
4	4	142,728	4	131,774	4	120,819	4	109,863	4	98,908	4	87,952	4	76,997	4	66,042	4	55,086	
1/4	1/4	142,500	1/4	131,546	1/4	120,590	1/4	109,635	1/4	98,680	1/4	87,724	1/4	76,769	1/4	65,813	1/4	54,858	
1/2	1/2	142,273	1/2	131,318	1/2	120,362	1/2	109,407	1/2	98,451	1/2	87,496	1/2	76,541	1/2	65,585	1/2	54,630	
3/4	3/4	142,045	3/4	131,089	3/4	120,134	3/4	109,179	3/4	98,223	3/4	87,268	3/4	76,312	3/4	65,357	3/4	54,402	
5	5	141,816	5	130,861	5	119,906	5	108,950	5	97,995	5	87,040	5	76,084	5	65,129	5	54,173	
1/4	1/4	141,588	1/4	130,633	1/4	119,677	1/4	108,722	1/4	97,767	1/4	86,811	1/4	75,856	1/4	64,901	1/4	53,945	
1/2	1/2	141,360	1/2	130,405	1/2	119,449	1/2	108,494	1/2	97,538	1/2	86,583	1/2	75,628	1/2	64,672	1/2	53,717	
3/4	3/4	141,132	3/4	130,176	3/4	119,221	3/4	108,266	3/4	97,310	3/4	86,355	3/4	75,399	3/4	64,444	3/4	53,489	
6	6	140,904	6	129,948	6	118,993	6	108,037	6	97,082	6	86,127	6	75,171	6	64,216	6	53,260	
1/4	1/4	140,675	1/4	129,720	1/4	118,765	1/4	107,809	1/4	96,854	1/4	85,898	1/4	74,943	1/4	63,988	1/4	53,032	
1/2	1/2	140,447	1/2	129,492	1/2	118,536	1/2	107,581	1/2	96,626	1/2	85,670	1/2	74,715	1/2	63,759	1/2	52,804	
3/4	3/4	140,219	3/4	129,263	3/4	118,308	3/4	107,353	3/4	96,397	3/4	85,442	3/4	74,486	3/4	63,531	3/4	52,576	
7	7	139,991	7	129,035	7	118,080	7	107,124	7	96,169	7	85,214	7	74,258	7	63,303	7	52,347	
1/4	1/4	139,762	1/4	128,807	1/4	117,852	1/4	106,896	1/4	95,941	1/4	84,985	1/4	74,030	1/4	63,075	1/4	52,119	
1/2	1/2	139,534	1/2	128,579	1/2	117,623	1/2	106,668	1/2	95,713	1/2	84,757	1/2	73,802	1/2	62,846	1/2	51,891	
3/4	3/4	139,306	3/4	128,351	3/4	117,395	3/4	106,440	3/4	95,484	3/4	84,529	3/4	73,574	3/4	62,618	3/4	51,663	
8	8	139,078	8	128,122	8	117,167	8	106,211	8	95,256	8	84,301	8	73,345	8	62,390	8	51,435	
1/4	1/4	138,849	1/4	127,894	1/4	116,939	1/4	105,983	1/4	95,028	1/4	84,072	1/4	73,117	1/4	62,162	1/4	51,206	
1/2	1/2	138,621	1/2	127,666	1/2	116,710	1/2	105,755	1/2	94,800	1/2	83,844	1/2	72,889	1/2	61,933	1/2	50,978	
3/4	3/4	138,393	3/4	127,438	3/4	116,482	3/4	105,527	3/4	94,571	3/4	83,616	3/4	72,661	3/4	61,705	3/4	50,750	
9	9	138,165	9	127,209	9	116,254	9	105,299	9	94,343	9	83,388	9	72,432	9	61,477	9	50,522	
1/4	1/4	137,936	1/4	126,981	1/4	116,026	1/4	105,070	1/4	94,115	1/4	83,160	1/4	72,204	1/4	61,249	1/4	50,293	
1/2	1/2	137,708	1/2	126,753	1/2	115,797	1/2	104,842	1/2	93,887	1/2	82,931	1/2	71,976	1/2	61,020	1/2	50,065	
3/4	3/4	137,480	3/4	126,525	3/4	115,569	3/4	104,614	3/4	93,658	3/4	82,703	3/4	71,748	3/4	60,792	3/4	49,837	
10	10	137,252	10	126,296	10	115,341	10	104,386	10	93,430	10	82,475	10	71,519	10	60,564	10	49,609	
1/4	1/4	137,024	1/4	126,068	1/4	115,113	1/4	104,157	1/4	93,202	1/4	82,247	1/4	71,291	1/4	60,336	1/4	49,380	
1/2	1/2	136,795	1/2	125,840	1/2	114,885	1/2	103,929	1/2	92,974	1/2	82,018	1/2	71,063	1/2	60,108	1/2	49,152	
3/4	3/4	136,567	3/4	125,612	3/4	114,656	3/4	103,701	3/4	92,745	3/4	81,790	3/4	70,835	3/4	59,879	3/4	48,924	
11	11	136,339	11	125,383	11	114,428	11	103,473	11	92,517	11	81,562	11	70,606	11	59,651	11	48,696	
1/4	1/4	136,111	1/4	125,155	1/4	114,200	1/4	103,244	1/4	92,289	1/4	81,334	1/4	70,378	1/4	59,423	1/4	48,467	
1/2	145,563	135,882	1/2	124,927	1/2	113,972	1/2	103,016	1/2	92,061	1/2	81,105	1/2	70,150	1/2	59,195	1/2	48,239	
3/4	145,508	135,654	3/4	124,699	3/4	113,743	3/4	102,788	3/4	91,833	3/4	80,877	3/4	69,922	3/4	58,966	3/4	48,011	

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'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "IB 1060"

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	47,783	0	36,827	0	25,889	0	14,935	0	3,985	0		0		0		0		0	
1/4	47,554	1/4	36,599	1/4	25,661	1/4	14,706	1/4	3,758	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	47,326	1/2	36,371	1/2	25,433	1/2	14,478	1/2	3,531	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	47,098	3/4	36,143	3/4	25,205	3/4	14,250	3/4	3,305	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	46,870	1	35,914	1	24,977	1	14,022	1	3,079	1		1		1		1		1	
1/4	46,642	1/4	35,686	1/4	24,748	1/4	13,794	1/4	2,853	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	46,413	1/2	35,458	1/2	24,520	1/2	13,565	1/2	2,627	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	46,185	3/4	35,230	3/4	24,292	3/4	13,337	3/4	2,402	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	45,957	2	35,002	2	24,064	2	13,109	2	2,178	2		2		2		2		2	
1/4	45,729	1/4	34,774	1/4	23,836	1/4	12,881	1/4	1,954	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	45,500	1/2	34,546	1/2	23,607	1/2	12,652	1/2	1,730	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	45,272	3/4	34,318	3/4	23,379	3/4	12,424	3/4	1,527	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	45,044	3	34,090	3	23,151	3	12,196	3	1,325	3		3		3		3		3	
1/4	44,816	1/4	33,862	1/4	22,923	1/4	11,968	1/4	1,122	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	44,587	1/2	33,635	1/2	22,694	1/2	11,739	1/2	920	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	44,359	3/4	33,407	3/4	22,466	3/4	11,511	3/4	777	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	44,131	4	33,179	4	22,238	4	11,283	4	635	4		4		4		4		4	
1/4	43,903	1/4	32,951	1/4	22,010	1/4	11,055	1/4	492	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	43,674	1/2	32,723	1/2	21,781	1/2	10,827	1/2	350	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	43,446	3/4	32,496	3/4	21,553	3/4	10,598	3/4	283	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	43,218	5	32,268	5	21,325	5	10,370	5	216	5		5		5		5		5	
1/4	42,990	1/4	32,040	1/4	21,097	1/4	10,142	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	42,761	1/2	31,812	1/2	20,869	1/2	9,914	1/2	83	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	31,584	3/4	20,640	3/4	9,685	3/4	---	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	42,305	6	31,357	6	20,412	6	9,457	6	---	6		6		6		6		6	
1/4	42,077	1/4	31,129	1/4	20,184	1/4	9,229	1/4	---	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	41,849	1/2	30,901	1/2	19,956	1/2	9,001	1/2	---	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	41,620	3/4	30,673	3/4	19,727	3/4	8,772	3/4	---	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	41,392	7	30,445	7	19,499	7	8,544	7	---	7		7		7		7		7	
1/4	41,164	1/4	30,218	1/4	19,271	1/4	8,316	1/4	---	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	40,936	1/2	29,990	1/2	19,043	1/2	8,088	1/2	---	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	40,707	3/4	29,762	3/4	18,815	3/4	7,860	3/4	---	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	40,479	8	29,534	8	18,586	8	7,631	8	---	8		8		8		8		8	
1/4	40,251	1/4	29,307	1/4	18,358	1/4	7,403	1/4	---	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	40,023	1/2	29,079	1/2	18,130	1/2	7,175	1/2	---	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	39,794	3/4	28,851	3/4	17,902	3/4	6,947	3/4	---	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	39,566	9	28,623	9	17,673	9	6,719	9	---	9		9		9		9		9	
1/4	39,338	1/4	28,395	1/4	17,445	1/4	6,490	1/4	---	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	39,110	1/2	28,168	1/2	17,217	1/2	6,262	1/2	---	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	38,881	3/4	27,940	3/4	16,989	3/4	6,034	3/4	---	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	38,653	10	27,712	10	16,760	10	5,806	10	---	10		10		10		10		10	
1/4	38,425	1/4	27,484	1/4	16,532	1/4	5,578	1/4	---	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	38,197	1/2	27,257	1/2	16,304	1/2	5,350	1/2	---	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	37,969	3/4	27,029	3/4	16,076	3/4	5,122	3/4	---	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	37,740	11	26,801	11	15,848	11	4,895	11	---	11		11		11		11		11	
1/4	37,512	1/4	26,573	1/4	15,619	1/4	4,667	1/4	---	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	37,284	1/2	26,345	1/2	15,391	1/2	4,439	1/2	---	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	37,056	3/4	26,117	3/4	15,163	3/4	4,212	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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CALCULATED: 08/14/2013 CL
PRINTED: 08/14/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2013

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