



BARGE "IB 1062"

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	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-3/4	00-3/4	- 01-0/8	01-0/8
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 23, 2013

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "IB 1062"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-05 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0	158,658	0	149,224	0	138,579	0	127,934	0	116,708	0	104,257	0	91,807	0	79,356	0	66,914
1/4	1/4	158,620	1/4	149,003	1/4	138,357	1/4	127,712	1/4	116,448	1/4	103,997	1/4	91,547	1/4	79,096	1/4	66,655	
1/2	1/2	158,581	1/2	148,781	1/2	138,136	1/2	127,491	1/2	116,189	1/2	103,738	1/2	91,288	1/2	78,837	1/2	66,396	
3/4	3/4	158,543	3/4	148,559	3/4	137,914	3/4	127,269	3/4	115,930	3/4	103,479	3/4	91,028	3/4	78,577	3/4	66,137	
1		1	158,440	1	148,337	1	137,692	1	127,047	1	115,670	1	103,219	1	90,769	1	78,318	1	65,879
1/4	1/4	158,338	1/4	148,115	1/4	137,470	1/4	126,825	1/4	115,411	1/4	102,960	1/4	90,510	1/4	78,059	1/4	65,620	
1/2	1/2	158,235	1/2	147,894	1/2	137,249	1/2	126,603	1/2	115,151	1/2	102,700	1/2	90,250	1/2	77,799	1/2	65,361	
3/4	3/4	158,132	3/4	147,672	3/4	137,027	3/4	126,382	3/4	114,892	3/4	102,441	3/4	89,991	3/4	77,540	3/4	65,102	
2		2	157,951	2	147,450	2	136,805	2	126,160	2	114,633	2	102,182	2	89,731	2	77,280	2	64,843
1/4	1/4	157,769	1/4	147,228	1/4	136,583	1/4	125,938	1/4	114,373	1/4	101,922	1/4	89,472	1/4	77,021	1/4	64,585	
1/2	1/2	157,587	1/2	147,007	1/2	136,361	1/2	125,716	1/2	114,114	1/2	101,663	1/2	89,213	1/2	76,762	1/2	64,326	
3/4	3/4	157,406	3/4	146,785	3/4	136,140	3/4	125,495	3/4	113,854	3/4	101,404	3/4	88,953	3/4	76,502	3/4	64,067	
3		3	157,189	3	146,563	3	135,918	3	125,273	3	113,595	3	101,144	3	88,694	3	76,243	3	63,808
1/4	1/4	156,973	1/4	146,341	1/4	135,696	1/4	125,051	1/4	113,336	1/4	100,885	1/4	88,434	1/4	75,983	1/4	63,549	
1/2	1/2	156,756	1/2	146,119	1/2	135,474	1/2	124,829	1/2	113,076	1/2	100,625	1/2	88,175	1/2	75,724	1/2	63,291	
3/4	3/4	156,540	3/4	145,898	3/4	135,253	3/4	124,607	3/4	112,817	3/4	100,366	3/4	87,916	3/4	75,465	3/4	63,032	
4		4	156,319	4	145,676	4	135,031	4	124,386	4	112,557	4	100,107	4	87,656	4	75,205	4	62,773
1/4	1/4	156,098	1/4	145,454	1/4	134,809	1/4	124,164	1/4	112,298	1/4	99,847	1/4	87,397	1/4	74,946	1/4	62,514	
1/2	1/2	155,876	1/2	145,232	1/2	134,587	1/2	123,942	1/2	112,039	1/2	99,588	1/2	87,137	1/2	74,686	1/2	62,255	
3/4	3/4	155,655	3/4	145,011	3/4	134,365	3/4	123,720	3/4	111,779	3/4	99,329	3/4	86,878	3/4	74,427	3/4	61,997	
5		5	155,434	5	144,789	5	134,144	5	123,499	5	111,520	5	99,069	5	86,619	5	74,168	5	61,738
1/4	1/4	155,212	1/4	144,567	1/4	133,922	1/4	123,277	1/4	111,260	1/4	98,810	1/4	86,359	1/4	73,908	1/4	61,479	
1/2	1/2	154,990	1/2	144,345	1/2	133,700	1/2	123,055	1/2	111,001	1/2	98,551	1/2	86,100	1/2	73,649	1/2	61,220	
3/4	3/4	154,769	3/4	144,124	3/4	133,478	3/4	122,833	3/4	110,742	3/4	98,291	3/4	85,840	3/4	73,389	3/4	60,961	
6		6	154,547	6	143,902	6	133,257	6	122,612	6	110,482	6	98,032	6	85,581	6	73,130	6	60,702
1/4	1/4	154,325	1/4	143,680	1/4	133,035	1/4	122,390	1/4	110,223	1/4	97,772	1/4	85,322	1/4	72,871	1/4	60,443	
1/2	1/2	154,103	1/2	143,458	1/2	132,813	1/2	122,168	1/2	109,963	1/2	97,513	1/2	85,062	1/2	72,611	1/2	60,184	
3/4	3/4	153,882	3/4	143,236	3/4	132,591	3/4	121,946	3/4	109,704	3/4	97,254	3/4	84,803	3/4	72,352	3/4	59,925	
7		7	153,660	7	143,015	7	132,370	7	121,725	7	109,445	7	96,994	7	84,543	7	72,092	7	59,666
1/4	1/4	153,438	1/4	142,793	1/4	132,148	1/4	121,503	1/4	109,185	1/4	96,735	1/4	84,284	1/4	71,833	1/4	59,407	
1/2	1/2	153,216	1/2	142,571	1/2	131,926	1/2	121,282	1/2	108,926	1/2	96,476	1/2	84,025	1/2	71,574	1/2	59,147	
3/4	3/4	152,994	3/4	142,349	3/4	131,704	3/4	121,060	3/4	108,667	3/4	96,216	3/4	83,765	3/4	71,314	3/4	58,888	
8		8	152,773	8	142,128	8	131,482	8	120,815	8	108,407	8	95,957	8	83,506	8	71,055	8	58,629
1/4	1/4	152,551	1/4	141,906	1/4	131,261	1/4	120,570	1/4	108,148	1/4	95,697	1/4	83,246	1/4	70,796	1/4	58,370	
1/2	1/2	152,329	1/2	141,684	1/2	131,039	1/2	120,325	1/2	107,888	1/2	95,438	1/2	82,987	1/2	70,537	1/2	58,110	
3/4	3/4	152,107	3/4	141,462	3/4	130,817	3/4	120,080	3/4	107,629	3/4	95,179	3/4	82,728	3/4	70,278	3/4	57,851	
9		9	151,886	9	141,240	9	130,595	9	119,821	9	107,370	9	94,919	9	82,468	9	70,019	9	57,592
1/4	1/4	151,664	1/4	141,019	1/4	130,374	1/4	119,561	1/4	107,110	1/4	94,660	1/4	82,209	1/4	69,761	1/4	57,332	
1/2	1/2	151,442	1/2	140,797	1/2	130,152	1/2	119,302	1/2	106,851	1/2	94,401	1/2	81,949	1/2	69,502	1/2	57,073	
3/4	3/4	151,220	3/4	140,575	3/4	129,930	3/4	119,042	3/4	106,591	3/4	94,141	3/4	81,690	3/4	69,243	3/4	56,814	
10		10	150,998	10	140,353	10	129,708	10	118,783	10	106,332	10	93,882	10	81,431	10	68,984	10	56,555
1/4	1/4	150,777	1/4	140,132	1/4	129,486	1/4	118,524	1/4	106,073	1/4	93,622	1/4	81,171	1/4	68,725	1/4	56,295	
1/2	1/2	150,555	1/2	139,910	1/2	129,265	1/2	118,264	1/2	105,813	1/2	93,363	1/2	80,912	1/2	68,467	1/2	56,036	
3/4	3/4	150,333	3/4	139,688	3/4	129,043	3/4	118,005	3/4	105,554	3/4	93,104	3/4	80,653	3/4	68,208	3/4	55,777	
11		11	150,111	11	139,466	11	128,821	11	117,745	11	105,294	11	92,844	11	80,393	11	67,949	11	55,518
1/4	1/4	149,890	1/4	139,244	1/4	128,599	1/4	117,486	1/4	105,035	1/4	92,585	1/4	80,134	1/4	67,690	1/4	55,258	
1/2	1/2	149,668	1/2	139,023	1/2	128,378	1/2	117,227	1/2	104,776	1/2	92,325	1/2	79,874	1/2	67,431	1/2	54,999	
3/4	3/4	158,697	3/4	149,446	3/4	138,801	3/4	128,156	3/4	116,967	3/4	104,516	3/4	92,066	3/4	79,173	3/4	54,740	

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.

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Pearland, Texas 77588

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BARGE "IB 1062"

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	54,480	0	42,036	0	29,833	0	17,389	0	4,937	0		0		0		0		0	
1/4	54,221	1/4	41,776	1/4	29,576	1/4	17,130	1/4	4,678	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	53,962	1/2	41,517	1/2	29,319	1/2	16,870	1/2	4,419	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	53,703	3/4	41,258	3/4	29,062	3/4	16,611	3/4	4,161	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	53,443	1	40,999	1	28,803	1	16,352	1	3,903	1		1		1		1		1	
1/4	53,184	1/4	40,739	1/4	28,544	1/4	16,092	1/4	3,646	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	52,925	1/2	40,480	1/2	28,284	1/2	15,833	1/2	3,389	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	52,666	3/4	40,221	3/4	28,025	3/4	15,573	3/4	3,131	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	52,406	2	39,965	2	27,765	2	15,314	2	2,876	2		2		2		2		2	
1/4	52,147	1/4	39,710	1/4	27,506	1/4	15,054	1/4	2,620	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	51,888	1/2	39,455	1/2	27,247	1/2	14,795	1/2	2,365	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	51,629	3/4	39,199	3/4	26,987	3/4	14,536	3/4	2,110	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	51,369	3	38,946	3	26,728	3	14,276	3	1,879	3		3		3		3		3	
1/4	51,110	1/4	38,693	1/4	26,468	1/4	14,017	1/4	1,648	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	50,851	1/2	38,440	1/2	26,209	1/2	13,757	1/2	1,418	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	50,591	3/4	38,187	3/4	25,950	3/4	13,498	3/4	1,187	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	50,332	4	37,934	4	25,690	4	13,239	4	1,025	4		4		4		4		4	
1/4	50,073	1/4	37,681	1/4	25,431	1/4	12,979	1/4	863	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	49,814	1/2	37,428	1/2	25,171	1/2	12,720	1/2	700	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	49,554	3/4	37,175	3/4	24,912	3/4	12,460	3/4	538	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	49,295	5	36,922	5	24,653	5	12,201	5	462	5		5		5		5		5	
1/4	49,036	1/4	36,669	1/4	24,393	1/4	11,942	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	48,777	1/2	36,416	1/2	24,134	1/2	11,682	1/2	311	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	48,517	3/4	36,163	3/4	23,874	3/4	11,423	3/4	235	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	48,258	6	35,910	6	23,615	6	11,163	6		6		6		6		6		6	
1/4	47,999	1/4	35,657	1/4	23,355	1/4	10,904	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	47,740	1/2	35,404	1/2	23,096	1/2	10,644	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	47,480	3/4	35,151	3/4	22,837	3/4	10,385	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	47,221	7	34,898	7	22,577	7	10,125	7		7		7		7		7		7	
1/4	46,962	1/4	34,645	1/4	22,318	1/4	9,866	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	46,702	1/2	34,392	1/2	22,058	1/2	9,606	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	46,443	3/4	34,139	3/4	21,799	3/4	9,347	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	46,184	8	33,886	8	21,540	8	9,087	8		8		8		8		8		8	
1/4	45,925	1/4	33,633	1/4	21,280	1/4	8,827	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	45,665	1/2	33,380	1/2	21,021	1/2	8,568	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	45,406	3/4	33,127	3/4	20,761	3/4	8,308	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	45,147	9	32,874	9	20,502	9	8,048	9		9		9		9		9		9	
1/4	44,888	1/4	32,621	1/4	20,243	1/4	7,789	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	44,628	1/2	32,368	1/2	19,983	1/2	7,529	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	44,369	3/4	32,115	3/4	19,724	3/4	7,270	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	44,110	10	31,862	10	19,464	10	7,010	10		10		10		10		10		10	
1/4	43,851	1/4	31,609	1/4	19,205	1/4	6,751	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	43,591	1/2	31,356	1/2	18,946	1/2	6,492	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	43,332	3/4	31,103	3/4	18,686	3/4	6,232	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	43,073	11	30,850	11	18,427	11	5,973	11		11		11		11		11		11	
1/4	42,813	1/4	30,596	1/4	18,167	1/4	5,714	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	42,554	1/2	30,343	1/2	17,908	1/2	5,454	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	42,295	3/4	30,090	3/4	17,649	3/4	5,195	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: 08/22/2013 CL
CALCULATED: 08/23/2013 CL
PRINTED: 08/23/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "IB 1062"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-05 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN			
0		0	146,368	0	136,261	0	125,219	0	114,177	0	103,136	0	92,094	0	81,052	0	70,010	0	58,968		
1/4	1/4	1/4	146,313	1/4	136,031	1/4	124,989	1/4	113,947	1/4	102,905	1/4	91,864	1/4	80,822	1/4	69,780	1/4	58,738		
1/2	1/2	1/2	146,258	1/2	135,801	1/2	124,759	1/2	113,717	1/2	102,675	1/2	91,634	1/2	80,592	1/2	69,550	1/2	58,508		
3/4	3/4	3/4	146,133	3/4	135,571	3/4	124,529	3/4	113,487	3/4	102,445	3/4	91,404	3/4	80,362	3/4	69,320	3/4	58,278		
1		1	146,009	1	135,341	1	124,299	1	113,257	1	102,215	1	91,173	1	80,132	1	69,090	1	58,048		
1/4	1/4	1/4	145,884	1/4	135,111	1/4	124,069	1/4	113,027	1/4	101,985	1/4	90,943	1/4	79,902	1/4	68,860	1/4	57,818		
1/2	1/2	1/2	145,759	1/2	134,881	1/2	123,839	1/2	112,797	1/2	101,755	1/2	90,713	1/2	79,671	1/2	68,630	1/2	57,588		
3/4	3/4	3/4	145,565	3/4	134,651	3/4	123,609	3/4	112,567	3/4	101,525	3/4	90,483	3/4	79,441	3/4	68,400	3/4	57,358		
2		2	145,370	2	134,421	2	123,379	2	112,337	2	101,295	2	90,253	2	79,211	2	68,170	2	57,128		
1/4	1/4	1/4	145,176	1/4	134,191	1/4	123,149	1/4	112,107	1/4	101,065	1/4	90,023	1/4	78,981	1/4	67,939	1/4	56,898		
1/2	1/2	1/2	144,981	1/2	133,961	1/2	122,919	1/2	111,877	1/2	100,835	1/2	89,793	1/2	78,751	1/2	67,709	1/2	56,668		
3/4	3/4	3/4	144,756	3/4	133,731	3/4	122,689	3/4	111,647	3/4	100,605	3/4	89,563	3/4	78,521	3/4	67,479	3/4	56,438		
3		3	144,531	3	133,501	3	122,459	3	111,417	3	100,375	3	89,333	3	78,291	3	67,249	3	56,207		
1/4	1/4	1/4	144,305	1/4	133,271	1/4	122,229	1/4	111,187	1/4	100,145	1/4	89,103	1/4	78,061	1/4	67,019	1/4	55,977		
1/2	1/2	1/2	144,080	1/2	133,041	1/2	121,999	1/2	110,957	1/2	99,915	1/2	88,873	1/2	77,831	1/2	66,789	1/2	55,747		
3/4	3/4	3/4	143,851	3/4	132,811	3/4	121,769	3/4	110,727	3/4	99,685	3/4	88,643	3/4	77,601	3/4	66,559	3/4	55,517		
4		4	143,621	4	132,581	4	121,539	4	110,497	4	99,455	4	88,413	4	77,371	4	66,329	4	55,287		
1/4	1/4	1/4	143,392	1/4	132,351	1/4	121,309	1/4	110,267	1/4	99,225	1/4	88,183	1/4	77,141	1/4	66,099	1/4	55,057		
1/2	1/2	1/2	143,162	1/2	132,120	1/2	121,079	1/2	110,037	1/2	98,995	1/2	87,953	1/2	76,911	1/2	65,869	1/2	54,827		
3/4	3/4	3/4	142,932	3/4	131,890	3/4	120,849	3/4	109,807	3/4	98,765	3/4	87,723	3/4	76,681	3/4	65,639	3/4	54,597		
5		5	142,702	5	131,660	5	120,619	5	109,577	5	98,535	5	87,493	5	76,451	5	65,409	5	54,367		
1/4	1/4	1/4	142,472	1/4	131,430	1/4	120,388	1/4	109,347	1/4	98,305	1/4	87,263	1/4	76,221	1/4	65,179	1/4	54,137		
1/2	1/2	1/2	142,242	1/2	131,200	1/2	120,158	1/2	109,117	1/2	98,075	1/2	87,033	1/2	75,991	1/2	64,949	1/2	53,907		
3/4	3/4	3/4	142,012	3/4	130,970	3/4	119,928	3/4	108,886	3/4	97,845	3/4	86,803	3/4	75,761	3/4	64,719	3/4	53,677		
6		6	141,782	6	130,740	6	119,698	6	108,656	6	97,615	6	86,573	6	75,531	6	64,489	6	53,447		
1/4	1/4	1/4	141,552	1/4	130,510	1/4	119,468	1/4	108,426	1/4	97,385	1/4	86,343	1/4	75,301	1/4	64,259	1/4	53,217		
1/2	1/2	1/2	141,322	1/2	130,280	1/2	119,238	1/2	108,196	1/2	97,154	1/2	86,113	1/2	75,071	1/2	64,029	1/2	52,987		
3/4	3/4	3/4	141,092	3/4	130,050	3/4	119,008	3/4	107,966	3/4	96,924	3/4	85,883	3/4	74,841	3/4	63,799	3/4	52,757		
7		7	140,862	7	129,820	7	118,778	7	107,736	7	96,694	7	85,653	7	74,611	7	63,569	7	52,527		
1/4	1/4	1/4	140,632	1/4	129,590	1/4	118,548	1/4	107,506	1/4	96,464	1/4	85,422	1/4	74,381	1/4	63,339	1/4	52,297		
1/2	1/2	1/2	140,402	1/2	129,360	1/2	118,318	1/2	107,276	1/2	96,234	1/2	85,192	1/2	74,151	1/2	63,109	1/2	52,067		
3/4	3/4	3/4	140,172	3/4	129,130	3/4	118,088	3/4	107,046	3/4	96,004	3/4	84,962	3/4	73,921	3/4	62,879	3/4	51,837		
8		8	139,942	8	128,900	8	117,858	8	106,816	8	95,774	8	84,732	8	73,690	8	62,649	8	51,607		
1/4	1/4	1/4	139,712	1/4	128,670	1/4	117,628	1/4	106,586	1/4	95,544	1/4	84,502	1/4	73,460	1/4	62,419	1/4	51,377		
1/2	1/2	1/2	139,482	1/2	128,440	1/2	117,398	1/2	106,356	1/2	95,314	1/2	84,272	1/2	73,230	1/2	62,189	1/2	51,147		
3/4	3/4	3/4	139,252	3/4	128,210	3/4	117,168	3/4	106,126	3/4	95,084	3/4	84,042	3/4	73,000	3/4	61,958	3/4	50,917		
9		9	139,022	9	127,980	9	116,938	9	105,896	9	94,854	9	83,812	9	72,770	9	61,728	9	50,687		
1/4	1/4	1/4	138,792	1/4	127,750	1/4	116,708	1/4	105,666	1/4	94,624	1/4	83,582	1/4	72,540	1/4	61,498	1/4	50,456		
1/2	1/2	1/2	138,562	1/2	127,520	1/2	116,478	1/2	105,436	1/2	94,394	1/2	83,352	1/2	72,310	1/2	61,268	1/2	50,226		
3/4	3/4	3/4	138,332	3/4	127,290	3/4	116,248	3/4	105,206	3/4	94,164	3/4	83,122	3/4	72,080	3/4	61,038	3/4	49,996		
10		10	138,102	10	127,060	10	116,018	10	104,976	10	93,934	10	82,892	10	71,850	10	60,808	10	49,766		
1/4	1/4	1/4	137,871	1/4	126,830	1/4	115,788	1/4	104,746	1/4	93,704	1/4	82,662	1/4	71,620	1/4	60,578	1/4	49,536		
1/2	1/2	1/2	137,641	1/2	126,600	1/2	115,558	1/2	104,516	1/2	93,474	1/2	82,432	1/2	71,390	1/2	60,348	1/2	49,306		
3/4	3/4	3/4	137,411	3/4	126,369	3/4	115,328	3/4	104,286	3/4	93,244	3/4	82,202	3/4	71,160	3/4	60,118	3/4	49,076		
11		11	137,181	11	126,139	11	115,098	11	104,056	11	93,014	11	81,972	11	70,930	11	59,888	11	48,846		
1/4	1/4	1/4	136,951	1/4	125,909	1/4	114,868	1/4	103,826	1/4	92,784	1/4	81,742	1/4	70,700	1/4	59,658	1/4	48,616		
1/2	1/2	1/2	146,478	1/2	136,721	1/2	125,679	1/2	114,637	1/2	103,596	1/2	92,554	1/2	81,512	1/2	70,470	1/2	59,428	1/2	48,386
3/4	3/4	3/4	146,423	3/4	136,491	3/4	125,449	3/4	114,407	3/4	103,366	3/4	92,324	3/4	81,282	3/4	70,240	3/4	59,198	3/4	48,156

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 1062"

2 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	47,926	0	36,884	0	26,089	0	15,052	0	4,016	0		0		0		0		0	
1/4	47,696	1/4	36,654	1/4	25,861	1/4	14,822	1/4	3,787	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	47,466	1/2	36,424	1/2	25,634	1/2	14,592	1/2	3,558	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	47,236	3/4	36,194	3/4	25,404	3/4	14,362	3/4	3,331	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	47,006	1	35,964	1	25,174	1	14,132	1	3,103	1	1	1	1	1	1	1	1	1	1
1/4	46,776	1/4	35,734	1/4	24,944	1/4	13,902	1/4	2,875	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	46,546	1/2	35,504	1/2	24,714	1/2	13,672	1/2	2,647	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	46,316	3/4	35,278	3/4	24,484	3/4	13,442	3/4	2,421	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	46,086	2	35,052	2	24,254	2	13,212	2	2,195	2	2	2	2	2	2	2	2	2	2
1/4	45,856	1/4	34,826	1/4	24,024	1/4	12,982	1/4	1,969	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	45,626	1/2	34,599	1/2	23,793	1/2	12,752	1/2	1,743	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	45,396	3/4	34,376	3/4	23,563	3/4	12,522	3/4	1,539	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	45,166	3	34,152	3	23,333	3	12,292	3	1,335	3	3	3	3	3	3	3	3	3	3
1/4	44,936	1/4	33,928	1/4	23,103	1/4	12,062	1/4	1,131	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	44,706	1/2	33,704	1/2	22,873	1/2	11,832	1/2	927	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	44,475	3/4	33,480	3/4	22,643	3/4	11,602	3/4	783	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	44,245	4	33,257	4	22,413	4	11,372	4	639	4	4	4	4	4	4	4	4	4	4
1/4	44,015	1/4	33,033	1/4	22,183	1/4	11,142	1/4	496	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	43,785	1/2	32,809	1/2	21,953	1/2	10,912	1/2	352	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	43,555	3/4	32,585	3/4	21,723	3/4	10,682	3/4	285	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	43,325	5	32,362	5	21,493	5	10,452	5	218	5	5	5	5	5	5	5	5	5	5
1/4	43,095	1/4	32,138	1/4	21,263	1/4	10,222	1/4	151	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	42,865	1/2	31,914	1/2	21,033	1/2	9,992	1/2	84	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	42,635	3/4	31,690	3/4	20,803	3/4	9,762	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	42,405	6	31,467	6	20,573	6	9,532	6		6	6	6	6	6	6	6	6	6	6
1/4	42,175	1/4	31,243	1/4	20,343	1/4	9,302	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	41,945	1/2	31,019	1/2	20,113	1/2	9,072	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	41,715	3/4	30,795	3/4	19,883	3/4	8,842	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	41,485	7	30,572	7	19,653	7	8,611	7		7	7	7	7	7	7	7	7	7	7
1/4	41,255	1/4	30,348	1/4	19,423	1/4	8,381	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	41,025	1/2	30,124	1/2	19,193	1/2	8,151	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	40,795	3/4	29,900	3/4	18,963	3/4	7,921	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	40,565	8	29,677	8	18,733	8	7,691	8		8	8	8	8	8	8	8	8	8	8
1/4	40,335	1/4	29,453	1/4	18,503	1/4	7,461	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	40,105	1/2	29,229	1/2	18,273	1/2	7,231	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	39,875	3/4	29,006	3/4	18,043	3/4	7,001	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	39,645	9	28,782	9	17,813	9	6,771	9		9	9	9	9	9	9	9	9	9	9
1/4	39,415	1/4	28,558	1/4	17,583	1/4	6,541	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	39,185	1/2	28,334	1/2	17,353	1/2	6,311	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	38,955	3/4	28,111	3/4	17,123	3/4	6,081	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	38,724	10	27,887	10	16,893	10	5,852	10		10	10	10	10	10	10	10	10	10	10
1/4	38,494	1/4	27,663	1/4	16,663	1/4	5,622	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	38,264	1/2	27,439	1/2	16,433	1/2	5,392	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	38,034	3/4	27,216	3/4	16,202	3/4	5,162	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	37,804	11	26,992	11	15,972	11	4,933	11		11	11	11	11	11	11	11	11	11	11
1/4	37,574	1/4	26,768	1/4	15,742	1/4	4,703	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	37,344	1/2	26,544	1/2	15,512	1/2	4,474	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	37,114	3/4	26,317	3/4	15,282	3/4	4,245	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: 08/22/2013 CL
CALCULATED: 08/23/2013 CL
PRINTED: 08/23/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "IB 1062"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-05 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0	145,793	0	135,742	0	124,761	0	113,780	0	102,799	0	91,818	0	80,837	0	69,856	0	58,875
1/4		1/4	145,738	1/4	135,513	1/4	124,532	1/4	113,551	1/4	102,570	1/4	91,589	1/4	80,608	1/4	69,627	1/4	58,647
1/2		1/2	145,684	1/2	135,285	1/2	124,304	1/2	113,323	1/2	102,342	1/2	91,361	1/2	80,380	1/2	69,399	1/2	58,418
3/4		3/4	145,560	3/4	135,056	3/4	124,075	3/4	113,094	3/4	102,113	3/4	91,132	3/4	80,151	3/4	69,170	3/4	58,189
1		1	145,436	1	134,827	1	123,846	1	112,865	1	101,884	1	90,903	1	79,922	1	68,941	1	57,960
1/4		1/4	145,312	1/4	134,598	1/4	123,617	1/4	112,636	1/4	101,655	1/4	90,674	1/4	79,693	1/4	68,712	1/4	57,731
1/2		1/2	145,188	1/2	134,370	1/2	123,389	1/2	112,408	1/2	101,427	1/2	90,446	1/2	79,465	1/2	68,484	1/2	57,503
3/4		3/4	144,994	3/4	134,141	3/4	123,160	3/4	112,179	3/4	101,198	3/4	90,217	3/4	79,236	3/4	68,255	3/4	57,274
2		2	144,801	2	133,912	2	122,931	2	111,950	2	100,969	2	89,988	2	79,007	2	68,026	2	57,045
1/4		1/4	144,608	1/4	133,683	1/4	122,702	1/4	111,721	1/4	100,740	1/4	89,759	1/4	78,778	1/4	67,797	1/4	56,816
1/2		1/2	144,414	1/2	133,454	1/2	122,473	1/2	111,492	1/2	100,511	1/2	89,531	1/2	78,550	1/2	67,569	1/2	56,588
3/4		3/4	144,190	3/4	133,226	3/4	122,245	3/4	111,264	3/4	100,283	3/4	89,302	3/4	78,321	3/4	67,340	3/4	56,359
3		3	143,966	3	132,997	3	122,016	3	111,035	3	100,054	3	89,073	3	78,092	3	67,111	3	56,130
1/4		1/4	143,742	1/4	132,768	1/4	121,787	1/4	110,806	1/4	99,825	1/4	88,844	1/4	77,863	1/4	66,882	1/4	55,901
1/2		1/2	143,518	1/2	132,539	1/2	121,558	1/2	110,577	1/2	99,596	1/2	88,615	1/2	77,634	1/2	66,653	1/2	55,672
3/4		3/4	143,290	3/4	132,311	3/4	121,330	3/4	110,349	3/4	99,368	3/4	88,387	3/4	77,406	3/4	66,425	3/4	55,444
4		4	143,061	4	132,082	4	121,101	4	110,120	4	99,139	4	88,158	4	77,177	4	66,196	4	55,215
1/4		1/4	142,833	1/4	131,853	1/4	120,872	1/4	109,891	1/4	98,910	1/4	87,929	1/4	76,948	1/4	65,967	1/4	54,986
1/2		1/2	142,605	1/2	131,624	1/2	120,643	1/2	109,662	1/2	98,681	1/2	87,700	1/2	76,719	1/2	65,738	1/2	54,757
3/4		3/4	142,376	3/4	131,396	3/4	120,415	3/4	109,434	3/4	98,453	3/4	87,472	3/4	76,491	3/4	65,510	3/4	54,529
5		5	142,148	5	131,167	5	120,186	5	109,205	5	98,224	5	87,243	5	76,262	5	65,281	5	54,300
1/4		1/4	141,919	1/4	130,938	1/4	119,957	1/4	108,976	1/4	97,995	1/4	87,014	1/4	76,033	1/4	65,052	1/4	54,071
1/2		1/2	141,690	1/2	130,709	1/2	119,728	1/2	108,747	1/2	97,766	1/2	86,785	1/2	75,804	1/2	64,823	1/2	53,842
3/4		3/4	141,461	3/4	130,480	3/4	119,499	3/4	108,518	3/4	97,537	3/4	86,557	3/4	75,576	3/4	64,595	3/4	53,614
6		6	141,233	6	130,252	6	119,271	6	108,290	6	97,309	6	86,328	6	75,347	6	64,366	6	53,385
1/4		1/4	141,004	1/4	130,023	1/4	119,042	1/4	108,061	1/4	97,080	1/4	86,099	1/4	75,118	1/4	64,137	1/4	53,156
1/2		1/2	140,775	1/2	129,794	1/2	118,813	1/2	107,832	1/2	96,851	1/2	85,870	1/2	74,889	1/2	63,908	1/2	52,927
3/4		3/4	140,546	3/4	129,565	3/4	118,584	3/4	107,603	3/4	96,622	3/4	85,641	3/4	74,660	3/4	63,679	3/4	52,698
7		7	140,318	7	129,337	7	118,356	7	107,375	7	96,394	7	85,413	7	74,432	7	63,451	7	52,470
1/4		1/4	140,089	1/4	129,108	1/4	118,127	1/4	107,146	1/4	96,165	1/4	85,184	1/4	74,203	1/4	63,222	1/4	52,241
1/2		1/2	139,860	1/2	128,879	1/2	117,898	1/2	106,917	1/2	95,936	1/2	84,955	1/2	73,974	1/2	62,993	1/2	52,012
3/4		3/4	139,631	3/4	128,650	3/4	117,669	3/4	106,688	3/4	95,707	3/4	84,726	3/4	73,745	3/4	62,764	3/4	51,783
8		8	139,402	8	128,421	8	117,441	8	106,460	8	95,479	8	84,498	8	73,517	8	62,536	8	51,555
1/4		1/4	139,174	1/4	128,193	1/4	117,212	1/4	106,231	1/4	95,250	1/4	84,269	1/4	73,288	1/4	62,307	1/4	51,326
1/2		1/2	138,945	1/2	127,964	1/2	116,983	1/2	106,002	1/2	95,021	1/2	84,040	1/2	73,059	1/2	62,078	1/2	51,097
3/4		3/4	138,716	3/4	127,735	3/4	116,754	3/4	105,773	3/4	94,792	3/4	83,811	3/4	72,830	3/4	61,849	3/4	50,868
9		9	138,487	9	127,506	9	116,525	9	105,544	9	94,563	9	83,582	9	72,602	9	61,621	9	50,640
1/4		1/4	138,259	1/4	127,278	1/4	116,297	1/4	105,316	1/4	94,335	1/4	83,354	1/4	72,373	1/4	61,392	1/4	50,411
1/2		1/2	138,030	1/2	127,049	1/2	116,068	1/2	105,087	1/2	94,106	1/2	83,125	1/2	72,144	1/2	61,163	1/2	50,182
3/4		3/4	137,801	3/4	126,820	3/4	115,839	3/4	104,858	3/4	93,877	3/4	82,896	3/4	71,915	3/4	60,934	3/4	49,953
10		10	137,572	10	126,591	10	115,610	10	104,629	10	93,648	10	82,667	10	71,686	10	60,705	10	49,724
1/4		1/4	137,344	1/4	126,363	1/4	115,382	1/4	104,401	1/4	93,420	1/4	82,439	1/4	71,458	1/4	60,477	1/4	49,496
1/2		1/2	137,115	1/2	126,134	1/2	115,153	1/2	104,172	1/2	93,191	1/2	82,210	1/2	71,229	1/2	60,248	1/2	49,267
3/4		3/4	136,886	3/4	125,905	3/4	114,924	3/4	103,943	3/4	92,962	3/4	81,981	3/4	71,000	3/4	60,019	3/4	49,038
11		11	136,657	11	125,676	11	114,695	11	103,714	11	92,733	11	81,752	11	70,771	11	59,790	11	48,809
1/4		1/4	136,428	1/4	125,447	1/4	114,466	1/4	103,486	1/4	92,505	1/4	81,524	1/4	70,543	1/4	59,562	1/4	48,581
1/2	145,903	1/2	136,200	1/2	125,219	1/2	114,238	1/2	103,257	1/2	92,276	1/2	81,295	1/2	70,314	1/2	59,333	1/2	48,352
3/4	145,848	3/4	135,971	3/4	124,990	3/4	114,009	3/4	103,028	3/4	92,047	3/4	81,066	3/4	70,085	3/4	59,104	3/4	48,123

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

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BARGE "IB 1062"

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	47,894	0	36,913	0	25,950	0	14,970	0	3,994	0		0		0		0		0	
1/4	47,666	1/4	36,685	1/4	25,721	1/4	14,741	1/4	3,767	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	47,437	1/2	36,456	1/2	25,493	1/2	14,512	1/2	3,539	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	47,208	3/4	36,227	3/4	25,264	3/4	14,283	3/4	3,313	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	46,979	1	35,998	1	25,035	1	14,054	1	3,086	1		1		1		1		1	
1/4	46,750	1/4	35,769	1/4	24,806	1/4	13,826	1/4	2,859	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	46,522	1/2	35,541	1/2	24,577	1/2	13,597	1/2	2,633	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	46,293	3/4	35,312	3/4	24,349	3/4	13,368	3/4	2,408	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	46,064	2	35,084	2	24,120	2	13,139	2	2,183	2		2		2		2		2	
1/4	45,835	1/4	34,855	1/4	23,891	1/4	12,911	1/4	1,958	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	45,607	1/2	34,627	1/2	23,662	1/2	12,682	1/2	1,734	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	45,378	3/4	34,398	3/4	23,434	3/4	12,453	3/4	1,531	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	45,149	3	34,170	3	23,205	3	12,224	3	1,328	3		3		3		3		3	
1/4	44,920	1/4	33,941	1/4	22,976	1/4	11,996	1/4	1,125	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	44,692	1/2	33,713	1/2	22,747	1/2	11,767	1/2	922	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	44,463	3/4	33,485	3/4	22,519	3/4	11,538	3/4	779	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	44,234	4	33,256	4	22,290	4	11,309	4	636	4		4		4		4		4	
1/4	44,005	1/4	33,028	1/4	22,061	1/4	11,081	1/4	493	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	43,776	1/2	32,800	1/2	21,832	1/2	10,852	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	43,548	3/4	32,571	3/4	21,604	3/4	10,623	3/4	284	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	43,319	5	32,343	5	21,375	5	10,394	5	217	5		5		5		5		5	
1/4	43,090	1/4	32,115	1/4	21,146	1/4	10,166	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	42,861	1/2	31,886	1/2	20,917	1/2	9,937	1/2	84	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	42,633	3/4	31,658	3/4	20,689	3/4	9,708	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	42,404	6	31,430	6	20,460	6	9,479	6		6		6		6		6		6	
1/4	42,175	1/4	31,202	1/4	20,231	1/4	9,250	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	41,946	1/2	30,973	1/2	20,002	1/2	9,022	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	41,718	3/4	30,745	3/4	19,774	3/4	8,793	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	41,489	7	30,517	7	19,545	7	8,564	7		7		7		7		7		7	
1/4	41,260	1/4	30,288	1/4	19,316	1/4	8,335	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	41,031	1/2	30,060	1/2	19,087	1/2	8,107	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	40,802	3/4	29,832	3/4	18,858	3/4	7,878	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	40,574	8	29,603	8	18,630	8	7,649	8		8		8		8		8		8	
1/4	40,345	1/4	29,375	1/4	18,401	1/4	7,420	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	40,116	1/2	29,147	1/2	18,172	1/2	7,192	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	39,887	3/4	28,918	3/4	17,943	3/4	6,963	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	39,659	9	28,690	9	17,715	9	6,734	9		9		9		9		9		9	
1/4	39,430	1/4	28,462	1/4	17,486	1/4	6,505	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	39,201	1/2	28,233	1/2	17,257	1/2	6,277	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	38,972	3/4	28,005	3/4	17,028	3/4	6,048	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	38,743	10	27,777	10	16,800	10	5,820	10		10		10		10		10		10	
1/4	38,515	1/4	27,549	1/4	16,571	1/4	5,591	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	38,286	1/2	27,320	1/2	16,342	1/2	5,362	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	38,057	3/4	27,092	3/4	16,113	3/4	5,134	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	37,828	11	26,864	11	15,885	11	4,906	11		11		11		11		11		11	
1/4	37,600	1/4	26,635	1/4	15,656	1/4	4,678	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	37,371	1/2	26,407	1/2	15,427	1/2	4,449	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	37,142	3/4	26,178	3/4	15,198	3/4	4,222	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: 08/22/2013 CL
CALCULATED: 08/23/2013 CL
PRINTED: 08/23/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2013

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