



BARGE "IB 1063"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 CENTER	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2
2 CENTER	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/2	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	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-7/8	00-7/8	- 01-0/8	01-0/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 163'-00"

August 28, 2013

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

<http://www.pmacorp.net>



BARGE "IB 1063"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-06 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0	149,780	0	139,126	0	128,473	0	117,314	0	104,854	0	92,394	0	79,934	0	67,482
1/4		1/4	158,815	1/4	149,558	1/4	138,905	1/4	128,251	1/4	117,055	1/4	104,594	1/4	92,135	1/4	79,674	1/4	67,223
1/2		1/2	158,777	1/2	149,336	1/2	138,683	1/2	128,030	1/2	116,795	1/2	104,335	1/2	91,875	1/2	79,415	1/2	66,964
3/4		3/4	158,738	3/4	149,114	3/4	138,461	3/4	127,808	3/4	116,535	3/4	104,075	3/4	91,616	3/4	79,155	3/4	66,705
1		1	158,700	1	148,892	1	138,239	1	127,586	1	116,276	1	103,815	1	91,356	1	78,896	1	66,446
1/4		1/4	158,661	1/4	148,670	1/4	138,017	1/4	127,364	1/4	116,016	1/4	103,556	1/4	91,096	1/4	78,636	1/4	66,187
1/2		1/2	158,558	1/2	148,448	1/2	137,795	1/2	127,142	1/2	115,757	1/2	103,296	1/2	90,837	1/2	78,376	1/2	65,928
3/4		3/4	158,456	3/4	148,226	3/4	137,573	3/4	126,920	3/4	115,497	3/4	103,037	3/4	90,577	3/4	78,117	3/4	65,669
2		2	158,353	2	148,004	2	137,351	2	126,698	2	115,237	2	102,777	2	90,318	2	77,857	2	65,410
1/4		1/4	158,250	1/4	147,782	1/4	137,129	1/4	126,476	1/4	114,978	1/4	102,518	1/4	90,058	1/4	77,598	1/4	65,151
1/2		1/2	158,069	1/2	147,560	1/2	136,907	1/2	126,254	1/2	114,718	1/2	102,258	1/2	89,798	1/2	77,338	1/2	64,892
3/4		3/4	157,887	3/4	147,338	3/4	136,685	3/4	126,032	3/4	114,459	3/4	101,998	3/4	89,539	3/4	77,078	3/4	64,633
3		3	157,705	3	147,116	3	136,463	3	125,810	3	114,199	3	101,739	3	89,279	3	76,819	3	64,374
1/4		1/4	157,523	1/4	146,894	1/4	136,241	1/4	125,588	1/4	113,939	1/4	101,479	1/4	89,020	1/4	76,559	1/4	64,115
1/2		1/2	157,307	1/2	146,672	1/2	136,019	1/2	125,366	1/2	113,680	1/2	101,220	1/2	88,760	1/2	76,300	1/2	63,856
3/4		3/4	157,090	3/4	146,450	3/4	135,797	3/4	125,144	3/4	113,420	3/4	100,960	3/4	88,500	3/4	76,040	3/4	63,597
4		4	156,873	4	146,229	4	135,575	4	124,922	4	113,161	4	100,701	4	88,241	4	75,780	4	63,338
1/4		1/4	156,657	1/4	146,007	1/4	135,354	1/4	124,700	1/4	112,901	1/4	100,441	1/4	87,981	1/4	75,521	1/4	63,079
1/2		1/2	156,435	1/2	145,785	1/2	135,132	1/2	124,479	1/2	112,641	1/2	100,181	1/2	87,722	1/2	75,261	1/2	62,820
3/4		3/4	156,214	3/4	145,563	3/4	134,910	3/4	124,257	3/4	112,382	3/4	99,922	3/4	87,462	3/4	75,002	3/4	62,561
5		5	155,993	5	145,341	5	134,688	5	124,035	5	112,122	5	99,662	5	87,202	5	74,742	5	62,302
1/4		1/4	155,771	1/4	145,119	1/4	134,466	1/4	123,813	1/4	111,863	1/4	99,403	1/4	86,943	1/4	74,483	1/4	62,043
1/2		1/2	155,550	1/2	144,897	1/2	134,244	1/2	123,591	1/2	111,603	1/2	99,143	1/2	86,683	1/2	74,223	1/2	61,784
3/4		3/4	155,328	3/4	144,675	3/4	134,022	3/4	123,369	3/4	111,344	3/4	98,884	3/4	86,424	3/4	73,963	3/4	61,525
6		6	155,106	6	144,453	6	133,800	6	123,147	6	111,084	6	98,624	6	86,164	6	73,704	6	61,266
1/4		1/4	154,884	1/4	144,231	1/4	133,578	1/4	122,925	1/4	110,824	1/4	98,365	1/4	85,905	1/4	73,444	1/4	61,007
1/2		1/2	154,662	1/2	144,009	1/2	133,356	1/2	122,703	1/2	110,565	1/2	98,105	1/2	85,645	1/2	73,185	1/2	60,748
3/4		3/4	154,440	3/4	143,787	3/4	133,134	3/4	122,481	3/4	110,305	3/4	97,845	3/4	85,385	3/4	72,925	3/4	60,488
7		7	154,218	7	143,565	7	132,912	7	122,259	7	110,046	7	97,586	7	85,126	7	72,665	7	60,229
1/4		1/4	153,996	1/4	143,343	1/4	132,690	1/4	122,037	1/4	109,786	1/4	97,326	1/4	84,866	1/4	72,406	1/4	59,970
1/2		1/2	153,774	1/2	143,121	1/2	132,468	1/2	121,816	1/2	109,526	1/2	97,067	1/2	84,607	1/2	72,146	1/2	59,710
3/4		3/4	153,553	3/4	142,899	3/4	132,246	3/4	121,594	3/4	109,267	3/4	96,807	3/4	84,347	3/4	71,887	3/4	59,451
8		8	153,331	8	142,678	8	132,024	8	121,372	8	109,007	8	96,548	8	84,087	8	71,627	8	59,191
1/4		1/4	153,109	1/4	142,456	1/4	131,803	1/4	121,151	1/4	108,748	1/4	96,288	1/4	83,828	1/4	71,367	1/4	58,932
1/2		1/2	152,887	1/2	142,234	1/2	131,581	1/2	120,905	1/2	108,488	1/2	96,028	1/2	83,568	1/2	71,108	1/2	58,673
3/4		3/4	152,665	3/4	142,012	3/4	131,359	3/4	120,660	3/4	108,228	3/4	95,769	3/4	83,309	3/4	70,849	3/4	58,413
9		9	152,443	9	141,790	9	131,137	9	120,415	9	107,969	9	95,509	9	83,049	9	70,590	9	58,154
1/4		1/4	152,221	1/4	141,568	1/4	130,915	1/4	120,170	1/4	107,709	1/4	95,250	1/4	82,789	1/4	70,331	1/4	57,894
1/2		1/2	151,999	1/2	141,346	1/2	130,693	1/2	119,910	1/2	107,450	1/2	94,990	1/2	82,530	1/2	70,072	1/2	57,635
3/4		3/4	151,777	3/4	141,124	3/4	130,471	3/4	119,650	3/4	107,190	3/4	94,731	3/4	82,270	3/4	69,813	3/4	57,375
10		10	151,555	10	140,902	10	130,249	10	119,391	10	106,930	10	94,471	10	82,011	10	69,554	10	57,116
1/4		1/4	151,333	1/4	140,680	1/4	130,027	1/4	119,131	1/4	106,671	1/4	94,211	1/4	81,751	1/4	69,295	1/4	56,856
1/2		1/2	151,111	1/2	140,458	1/2	129,805	1/2	118,872	1/2	106,411	1/2	93,952	1/2	81,491	1/2	69,036	1/2	56,597
3/4		3/4	150,889	3/4	140,236	3/4	129,583	3/4	118,612	3/4	106,152	3/4	93,692	3/4	81,232	3/4	68,777	3/4	56,337
11		11	150,667	11	140,014	11	129,361	11	118,352	11	105,892	11	93,433	11	80,972	11	68,518	11	56,078
1/4		1/4	150,445	1/4	139,792	1/4	129,139	1/4	118,093	1/4	105,633	1/4	93,173	1/4	80,713	1/4	68,259	1/4	55,818
1/2		1/2	150,223	1/2	139,570	1/2	128,917	1/2	117,833	1/2	105,373	1/2	92,913	1/2	80,453	1/2	68,000	1/2	55,559
3/4		3/4	150,001	3/4	139,348	3/4	128,695	3/4	117,574	3/4	105,113	3/4	92,654	3/4	80,194	3/4	67,741	3/4	55,300

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 31'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "IB 1063"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-06 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	55,040	0	42,586	0	30,366	0	17,921	0	5,458	0		0		0		0		0	
1/4	54,781	1/4	42,326	1/4	30,113	1/4	17,662	1/4	5,199	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	54,521	1/2	42,067	1/2	29,856	1/2	17,402	1/2	4,940	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	54,262	3/4	41,808	3/4	29,599	3/4	17,143	3/4	4,681	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	54,002	1	41,548	1	29,341	1	16,883	1	4,423	1		1		1		1		1	
1/4	53,743	1/4	41,289	1/4	29,084	1/4	16,623	1/4	4,164	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	53,483	1/2	41,029	1/2	28,825	1/2	16,364	1/2	3,906	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	53,224	3/4	40,770	3/4	28,565	3/4	16,104	3/4	3,649	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	52,964	2	40,510	2	28,305	2	15,845	2	3,391	2		2		2		2		2	
1/4	52,705	1/4	40,251	1/4	28,046	1/4	15,585	1/4	3,134	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	52,445	1/2	39,995	1/2	27,786	1/2	15,325	1/2	2,878	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	52,186	3/4	39,740	3/4	27,527	3/4	15,066	3/4	2,622	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	51,927	3	39,484	3	27,267	3	14,806	3	2,367	3		3		3		3		3	
1/4	51,667	1/4	39,228	1/4	27,007	1/4	14,547	1/4	2,111	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	51,408	1/2	38,975	1/2	26,748	1/2	14,287	1/2	1,880	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	51,148	3/4	38,722	3/4	26,488	3/4	14,027	3/4	1,650	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	50,889	4	38,469	4	26,229	4	13,768	4	1,419	4		4		4		4		4	
1/4	50,629	1/4	38,216	1/4	25,969	1/4	13,508	1/4	1,188	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	50,370	1/2	37,962	1/2	25,709	1/2	13,249	1/2	1,026	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	50,110	3/4	37,709	3/4	25,450	3/4	12,989	3/4	863	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	49,851	5	37,456	5	25,190	5	12,729	5	701	5		5		5		5		5	
1/4	49,591	1/4	37,203	1/4	24,931	1/4	12,470	1/4	538	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	49,332	1/2	36,949	1/2	24,671	1/2	12,210	1/2	463	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	49,072	3/4	36,696	3/4	24,411	3/4	11,950	3/4	387	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	48,813	6	36,443	6	24,152	6	11,691	6	311	6		6		6		6		6	
1/4	48,554	1/4	36,190	1/4	23,892	1/4	11,431	1/4	235	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	48,294	1/2	35,937	1/2	23,633	1/2	11,172	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	48,035	3/4	35,683	3/4	23,373	3/4	10,912	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	47,775	7	35,430	7	23,113	7	10,652	7		7		7		7		7		7	
1/4	47,516	1/4	35,177	1/4	22,854	1/4	10,393	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	47,256	1/2	34,924	1/2	22,594	1/2	10,133	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	46,997	3/4	34,671	3/4	22,335	3/4	9,873	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	46,737	8	34,417	8	22,075	8	9,614	8		8		8		8		8		8	
1/4	46,478	1/4	34,164	1/4	21,815	1/4	9,354	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	46,218	1/2	33,911	1/2	21,556	1/2	9,094	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	45,959	3/4	33,658	3/4	21,296	3/4	8,834	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	45,699	9	33,405	9	21,037	9	8,574	9		9		9		9		9		9	
1/4	45,440	1/4	33,151	1/4	20,777	1/4	8,314	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	45,181	1/2	32,898	1/2	20,517	1/2	8,055	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	44,921	3/4	32,645	3/4	20,258	3/4	7,795	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	44,662	10	32,392	10	19,998	10	7,535	10		10		10		10		10		10	
1/4	44,402	1/4	32,139	1/4	19,739	1/4	7,275	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	44,143	1/2	31,885	1/2	19,479	1/2	7,016	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	43,883	3/4	31,632	3/4	19,219	3/4	6,756	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	43,624	11	31,379	11	18,960	11	6,496	11		11		11		11		11		11	
1/4	43,364	1/4	31,126	1/4	18,700	1/4	6,237	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	43,105	1/2	30,873	1/2	18,441	1/2	5,977	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	42,845	3/4	30,619	3/4	18,181	3/4	5,718	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: 08/28/2013 SW
CALCULATED: 08/28/2013 CL
PRINTED: 08/28/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2013

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



BARGE "IB 1063"

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	146,847	0	137,066	0	125,996	0	114,926	0	103,857	0	92,787	0	81,717	0	70,648	0	59,578
1/4	1/4	1/4	146,792	1/4	136,835	1/4	125,766	1/4	114,696	1/4	103,626	1/4	92,556	1/4	81,487	1/4	70,417	1/4	59,347
1/2	1/2	1/2	146,737	1/2	136,605	1/2	125,535	1/2	114,465	1/2	103,396	1/2	92,326	1/2	81,256	1/2	70,186	1/2	59,117
3/4	3/4	3/4	146,682	3/4	136,374	3/4	125,304	3/4	114,235	3/4	103,165	3/4	92,095	3/4	81,025	3/4	69,956	3/4	58,886
1		1	146,626	1	136,143	1	125,074	1	114,004	1	102,934	1	91,865	1	80,795	1	69,725	1	58,655
1/4	1/4	1/4	146,502	1/4	135,913	1/4	124,843	1/4	113,773	1/4	102,704	1/4	91,634	1/4	80,564	1/4	69,494	1/4	58,425
1/2	1/2	1/2	146,377	1/2	135,682	1/2	124,612	1/2	113,543	1/2	102,473	1/2	91,403	1/2	80,334	1/2	69,264	1/2	58,194
3/4	3/4	3/4	146,252	3/4	135,452	3/4	124,382	3/4	113,312	3/4	102,242	3/4	91,173	3/4	80,103	3/4	69,033	3/4	57,964
2		2	146,127	2	135,221	2	124,151	2	113,082	2	102,012	2	90,942	2	79,872	2	68,803	2	57,733
1/4	1/4	1/4	145,932	1/4	134,990	1/4	123,921	1/4	112,851	1/4	101,781	1/4	90,711	1/4	79,642	1/4	68,572	1/4	57,502
1/2	1/2	1/2	145,737	1/2	134,760	1/2	123,690	1/2	112,620	1/2	101,551	1/2	90,481	1/2	79,411	1/2	68,341	1/2	57,272
3/4	3/4	3/4	145,542	3/4	134,529	3/4	123,459	3/4	112,390	3/4	101,320	3/4	90,250	3/4	79,180	3/4	68,111	3/4	57,041
3		3	145,347	3	134,298	3	123,229	3	112,159	3	101,089	3	90,020	3	78,950	3	67,880	3	56,810
1/4	1/4	1/4	145,121	1/4	134,068	1/4	122,998	1/4	111,928	1/4	100,859	1/4	89,789	1/4	78,719	1/4	67,650	1/4	56,580
1/2	1/2	1/2	144,895	1/2	133,837	1/2	122,768	1/2	111,698	1/2	100,628	1/2	89,558	1/2	78,489	1/2	67,419	1/2	56,349
3/4	3/4	3/4	144,669	3/4	133,607	3/4	122,537	3/4	111,467	3/4	100,397	3/4	89,328	3/4	78,258	3/4	67,188	3/4	56,119
4		4	144,443	4	133,376	4	122,306	4	111,237	4	100,167	4	89,097	4	78,027	4	66,958	4	55,888
1/4	1/4	1/4	144,213	1/4	133,145	1/4	122,076	1/4	111,006	1/4	99,936	1/4	88,866	1/4	77,797	1/4	66,727	1/4	55,657
1/2	1/2	1/2	143,983	1/2	132,915	1/2	121,845	1/2	110,775	1/2	99,706	1/2	88,636	1/2	77,566	1/2	66,496	1/2	55,427
3/4	3/4	3/4	143,753	3/4	132,684	3/4	121,614	3/4	110,545	3/4	99,475	3/4	88,405	3/4	77,336	3/4	66,266	3/4	55,196
5		5	143,523	5	132,454	5	121,384	5	110,314	5	99,244	5	88,175	5	77,105	5	66,035	5	54,965
1/4	1/4	1/4	143,292	1/4	132,223	1/4	121,153	1/4	110,083	1/4	99,014	1/4	87,944	1/4	76,874	1/4	65,805	1/4	54,735
1/2	1/2	1/2	143,062	1/2	131,992	1/2	120,923	1/2	109,853	1/2	98,783	1/2	87,713	1/2	76,644	1/2	65,574	1/2	54,504
3/4	3/4	3/4	142,831	3/4	131,762	3/4	120,692	3/4	109,622	3/4	98,552	3/4	87,483	3/4	76,413	3/4	65,343	3/4	54,274
6		6	142,601	6	131,531	6	120,461	6	109,392	6	98,322	6	87,252	6	76,182	6	65,113	6	54,043
1/4	1/4	1/4	142,370	1/4	131,300	1/4	120,231	1/4	109,161	1/4	98,091	1/4	87,022	1/4	75,952	1/4	64,882	1/4	53,812
1/2	1/2	1/2	142,140	1/2	131,070	1/2	120,000	1/2	108,930	1/2	97,861	1/2	86,791	1/2	75,721	1/2	64,651	1/2	53,582
3/4	3/4	3/4	141,909	3/4	130,839	3/4	119,769	3/4	108,700	3/4	97,630	3/4	86,560	3/4	75,491	3/4	64,421	3/4	53,351
7		7	141,678	7	130,609	7	119,539	7	108,469	7	97,399	7	86,330	7	75,260	7	64,190	7	53,120
1/4	1/4	1/4	141,448	1/4	130,378	1/4	119,308	1/4	108,239	1/4	97,169	1/4	86,099	1/4	75,029	1/4	63,960	1/4	52,890
1/2	1/2	1/2	141,217	1/2	130,147	1/2	119,078	1/2	108,008	1/2	96,938	1/2	85,868	1/2	74,799	1/2	63,729	1/2	52,659
3/4	3/4	3/4	140,986	3/4	129,917	3/4	118,847	3/4	107,777	3/4	96,708	3/4	85,638	3/4	74,568	3/4	63,498	3/4	52,429
8		8	140,756	8	129,686	8	118,616	8	107,547	8	96,477	8	85,407	8	74,337	8	63,268	8	52,198
1/4	1/4	1/4	140,525	1/4	129,455	1/4	118,386	1/4	107,316	1/4	96,246	1/4	85,177	1/4	74,107	1/4	63,037	1/4	51,967
1/2	1/2	1/2	140,295	1/2	129,225	1/2	118,155	1/2	107,085	1/2	96,016	1/2	84,946	1/2	73,876	1/2	62,807	1/2	51,737
3/4	3/4	3/4	140,064	3/4	128,994	3/4	117,925	3/4	106,855	3/4	95,785	3/4	84,715	3/4	73,646	3/4	62,576	3/4	51,506
9		9	139,833	9	128,764	9	117,694	9	106,624	9	95,554	9	84,485	9	73,415	9	62,345	9	51,276
1/4	1/4	1/4	139,603	1/4	128,533	1/4	117,463	1/4	106,394	1/4	95,324	1/4	84,254	1/4	73,184	1/4	62,115	1/4	51,045
1/2	1/2	1/2	139,372	1/2	128,302	1/2	117,233	1/2	106,163	1/2	95,093	1/2	84,023	1/2	72,954	1/2	61,884	1/2	50,814
3/4	3/4	3/4	139,141	3/4	128,072	3/4	117,002	3/4	105,932	3/4	94,863	3/4	83,793	3/4	72,723	3/4	61,653	3/4	50,584
10		10	138,911	10	127,841	10	116,771	10	105,702	10	94,632	10	83,562	10	72,493	10	61,423	10	50,353
1/4	1/4	1/4	138,680	1/4	127,611	1/4	116,541	1/4	105,471	1/4	94,401	1/4	83,332	1/4	72,262	1/4	61,192	1/4	50,122
1/2	1/2	1/2	138,450	1/2	127,380	1/2	116,310	1/2	105,240	1/2	94,171	1/2	83,101	1/2	72,031	1/2	60,962	1/2	49,892
3/4	3/4	3/4	138,219	3/4	127,149	3/4	116,080	3/4	105,010	3/4	93,940	3/4	82,870	3/4	71,801	3/4	60,731	3/4	49,661
11		11	137,988	11	126,919	11	115,849	11	104,779	11	93,709	11	82,640	11	71,570	11	60,500	11	49,431
1/4	1/4	1/4	137,758	1/4	126,688	1/4	115,618	1/4	104,549	1/4	93,479	1/4	82,409	1/4	71,339	1/4	60,270	1/4	49,200
1/2	1/2	1/2	137,527	1/2	126,457	1/2	115,388	1/2	104,318	1/2	93,248	1/2	82,179	1/2	71,109	1/2	60,039	1/2	48,969
3/4	3/4	3/4	137,297	3/4	126,227	3/4	115,157	3/4	104,087	3/4	93,018	3/4	81,948	3/4	70,878	3/4	59,808	3/4	48,739

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 24'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "IB 1063"

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	48,508	0	37,438	0	26,611	0	15,551	0	4,485	0		0		0		0		0	
1/4	48,277	1/4	37,208	1/4	26,383	1/4	15,321	1/4	4,256	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	48,047	1/2	36,977	1/2	26,155	1/2	15,090	1/2	4,026	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	47,816	3/4	36,747	3/4	25,927	3/4	14,860	3/4	3,797	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	47,586	1	36,516	1	25,698	1	14,629	1	3,567	1		1		1		1		1	
1/4	47,355	1/4	36,285	1/4	25,468	1/4	14,398	1/4	3,339	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	47,124	1/2	36,055	1/2	25,237	1/2	14,168	1/2	3,111	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	46,894	3/4	35,824	3/4	25,007	3/4	13,937	3/4	2,882	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	46,663	2	35,593	2	24,776	2	13,707	2	2,654	2		2		2		2		2	
1/4	46,433	1/4	35,367	1/4	24,545	1/4	13,476	1/4	2,427	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	46,202	1/2	35,140	1/2	24,315	1/2	13,245	1/2	2,201	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	45,971	3/4	34,913	3/4	24,084	3/4	13,015	3/4	1,974	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	45,741	3	34,687	3	23,853	3	12,784	3	1,747	3		3		3		3		3	
1/4	45,510	1/4	34,462	1/4	23,623	1/4	12,554	1/4	1,543	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	45,279	1/2	34,238	1/2	23,392	1/2	12,323	1/2	1,338	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	45,049	3/4	34,013	3/4	23,162	3/4	12,092	3/4	1,134	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	44,818	4	33,789	4	22,931	4	11,862	4	929	4		4		4		4		4	
1/4	44,588	1/4	33,565	1/4	22,700	1/4	11,631	1/4	785	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	44,357	1/2	33,340	1/2	22,470	1/2	11,401	1/2	641	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	44,126	3/4	33,116	3/4	22,239	3/4	11,170	3/4	497	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	43,896	5	32,892	5	22,009	5	10,939	5	353	5		5		5		5		5	
1/4	43,665	1/4	32,668	1/4	21,778	1/4	10,709	1/4	286	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	43,434	1/2	32,443	1/2	21,547	1/2	10,478	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	43,204	3/4	32,219	3/4	21,317	3/4	10,247	3/4	151	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	42,973	6	31,995	6	21,086	6	10,017	6	84	6		6		6		6		6	
1/4	42,743	1/4	31,770	1/4	20,856	1/4	9,786	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	42,512	1/2	31,546	1/2	20,625	1/2	9,556	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	42,281	3/4	31,322	3/4	20,394	3/4	9,325	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	42,051	7	31,097	7	20,164	7	9,094	7		7		7		7		7		7	
1/4	41,820	1/4	30,873	1/4	19,933	1/4	8,864	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	41,590	1/2	30,649	1/2	19,702	1/2	8,633	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	41,359	3/4	30,424	3/4	19,472	3/4	8,403	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	41,128	8	30,200	8	19,241	8	8,172	8		8		8		8		8		8	
1/4	40,898	1/4	29,976	1/4	19,011	1/4	7,941	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	40,667	1/2	29,752	1/2	18,780	1/2	7,711	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	40,436	3/4	29,527	3/4	18,549	3/4	7,480	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	40,206	9	29,303	9	18,319	9	7,250	9		9		9		9		9		9	
1/4	39,975	1/4	29,079	1/4	18,088	1/4	7,019	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	39,745	1/2	28,854	1/2	17,858	1/2	6,788	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	39,514	3/4	28,630	3/4	17,627	3/4	6,558	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	39,283	10	28,406	10	17,396	10	6,327	10		10		10		10		10		10	
1/4	39,053	1/4	28,181	1/4	17,166	1/4	6,097	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	38,822	1/2	27,957	1/2	16,935	1/2	5,866	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	38,591	3/4	27,733	3/4	16,705	3/4	5,636	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	38,361	11	27,509	11	16,474	11	5,406	11		11		11		11		11		11	
1/4	38,130	1/4	27,284	1/4	16,243	1/4	5,175	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	37,900	1/2	27,060	1/2	16,013	1/2	4,945	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	37,669	3/4	26,836	3/4	15,782	3/4	4,715	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: 08/28/2013 SW
CALCULATED: 08/28/2013 CL
PRINTED: 08/28/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2013

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



BARGE "IB 1063"

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	145,847	0	135,615	0	124,625	0	113,636	0	102,647	0	91,658	0	80,669	0	69,679	0	58,690		
1/4	1/4	1/4	145,792	1/4	135,386	1/4	124,396	1/4	113,407	1/4	102,418	1/4	91,429	1/4	80,440	1/4	69,451	1/4	58,461		
1/2	1/2	1/2	145,668	1/2	135,157	1/2	124,167	1/2	113,178	1/2	102,189	1/2	91,200	1/2	80,211	1/2	69,222	1/2	58,232		
3/4	3/4	3/4	145,544	3/4	134,928	3/4	123,939	3/4	112,949	3/4	101,960	3/4	90,971	3/4	79,982	3/4	68,993	3/4	58,003		
1		1	145,420	1	134,699	1	123,710	1	112,720	1	101,731	1	90,742	1	79,753	1	68,764	1	57,775		
1/4	1/4	1/4	145,296	1/4	134,470	1/4	123,481	1/4	112,491	1/4	101,502	1/4	90,513	1/4	79,524	1/4	68,535	1/4	57,546		
1/2	1/2	1/2	145,103	1/2	134,241	1/2	123,252	1/2	112,263	1/2	101,273	1/2	90,284	1/2	79,295	1/2	68,306	1/2	57,317		
3/4	3/4	3/4	144,909	3/4	134,012	3/4	123,023	3/4	112,034	3/4	101,044	3/4	90,055	3/4	79,066	3/4	68,077	3/4	57,088		
2		2	144,716	2	133,783	2	122,794	2	111,805	2	100,815	2	89,826	2	78,837	2	67,848	2	56,859		
1/4	1/4	1/4	144,522	1/4	133,554	1/4	122,565	1/4	111,576	1/4	100,587	1/4	89,597	1/4	78,608	1/4	67,619	1/4	56,630		
1/2	1/2	1/2	144,298	1/2	133,325	1/2	122,336	1/2	111,347	1/2	100,358	1/2	89,368	1/2	78,379	1/2	67,390	1/2	56,401		
3/4	3/4	3/4	144,074	3/4	133,096	3/4	122,107	3/4	111,118	3/4	100,129	3/4	89,139	3/4	78,150	3/4	67,161	3/4	56,172		
3		3	143,849	3	132,867	3	121,878	3	110,889	3	99,900	3	88,911	3	77,921	3	66,932	3	55,943		
1/4	1/4	1/4	143,625	1/4	132,638	1/4	121,649	1/4	110,660	1/4	99,671	1/4	88,682	1/4	77,692	1/4	66,703	1/4	55,714		
1/2	1/2	1/2	143,397	1/2	132,409	1/2	121,420	1/2	110,431	1/2	99,442	1/2	88,453	1/2	77,463	1/2	66,474	1/2	55,485		
3/4	3/4	3/4	143,168	3/4	132,180	3/4	121,191	3/4	110,202	3/4	99,213	3/4	88,224	3/4	77,235	3/4	66,245	3/4	55,256		
4		4	142,940	4	131,951	4	120,962	4	109,973	4	98,984	4	87,995	4	77,006	4	66,016	4	55,027		
1/4	1/4	1/4	142,711	1/4	131,723	1/4	120,733	1/4	109,744	1/4	98,755	1/4	87,766	1/4	76,777	1/4	65,787	1/4	54,798		
1/2	1/2	1/2	142,483	1/2	131,494	1/2	120,504	1/2	109,515	1/2	98,526	1/2	87,537	1/2	76,548	1/2	65,559	1/2	54,569		
3/4	3/4	3/4	142,254	3/4	131,265	3/4	120,275	3/4	109,286	3/4	98,297	3/4	87,308	3/4	76,319	3/4	65,330	3/4	54,340		
5		5	142,025	5	131,036	5	120,047	5	109,057	5	98,068	5	87,079	5	76,090	5	65,101	5	54,111		
1/4	1/4	1/4	141,796	1/4	130,807	1/4	119,818	1/4	108,828	1/4	97,839	1/4	86,850	1/4	75,861	1/4	64,872	1/4	53,883		
1/2	1/2	1/2	141,567	1/2	130,578	1/2	119,589	1/2	108,599	1/2	97,610	1/2	86,621	1/2	75,632	1/2	64,643	1/2	53,654		
3/4	3/4	3/4	141,338	3/4	130,349	3/4	119,360	3/4	108,371	3/4	97,381	3/4	86,392	3/4	75,403	3/4	64,414	3/4	53,425		
6		6	141,109	6	130,120	6	119,131	6	108,142	6	97,152	6	86,163	6	75,174	6	64,185	6	53,196		
1/4	1/4	1/4	140,880	1/4	129,891	1/4	118,902	1/4	107,913	1/4	96,923	1/4	85,934	1/4	74,945	1/4	63,956	1/4	52,967		
1/2	1/2	1/2	140,651	1/2	129,662	1/2	118,673	1/2	107,684	1/2	96,695	1/2	85,705	1/2	74,716	1/2	63,727	1/2	52,738		
3/4	3/4	3/4	140,422	3/4	129,433	3/4	118,444	3/4	107,455	3/4	96,466	3/4	85,476	3/4	74,487	3/4	63,498	3/4	52,509		
7		7	140,193	7	129,204	7	118,215	7	107,226	7	96,237	7	85,247	7	74,258	7	63,269	7	52,280		
1/4	1/4	1/4	139,964	1/4	128,975	1/4	117,986	1/4	106,997	1/4	96,008	1/4	85,019	1/4	74,029	1/4	63,040	1/4	52,051		
1/2	1/2	1/2	139,735	1/2	128,746	1/2	117,757	1/2	106,768	1/2	95,779	1/2	84,790	1/2	73,800	1/2	62,811	1/2	51,822		
3/4	3/4	3/4	139,507	3/4	128,517	3/4	117,528	3/4	106,539	3/4	95,550	3/4	84,561	3/4	73,571	3/4	62,582	3/4	51,593		
8		8	139,278	8	128,288	8	117,299	8	106,310	8	95,321	8	84,332	8	73,343	8	62,353	8	51,364		
1/4	1/4	1/4	139,049	1/4	128,059	1/4	117,070	1/4	106,081	1/4	95,092	1/4	84,103	1/4	73,114	1/4	62,124	1/4	51,135		
1/2	1/2	1/2	138,820	1/2	127,831	1/2	116,841	1/2	105,852	1/2	94,863	1/2	83,874	1/2	72,885	1/2	61,895	1/2	50,906		
3/4	3/4	3/4	138,591	3/4	127,602	3/4	116,612	3/4	105,623	3/4	94,634	3/4	83,645	3/4	72,656	3/4	61,667	3/4	50,677		
9		9	138,362	9	127,373	9	116,383	9	105,394	9	94,405	9	83,416	9	72,427	9	61,438	9	50,448		
1/4	1/4	1/4	138,133	1/4	127,144	1/4	116,155	1/4	105,165	1/4	94,176	1/4	83,187	1/4	72,198	1/4	61,209	1/4	50,219		
1/2	1/2	1/2	137,904	1/2	126,915	1/2	115,926	1/2	104,936	1/2	93,947	1/2	82,958	1/2	71,969	1/2	60,980	1/2	49,991		
3/4	3/4	3/4	137,675	3/4	126,686	3/4	115,697	3/4	104,707	3/4	93,718	3/4	82,729	3/4	71,740	3/4	60,751	3/4	49,762		
10		10	137,446	10	126,457	10	115,468	10	104,479	10	93,489	10	82,500	10	71,511	10	60,522	10	49,533		
1/4	1/4	1/4	137,217	1/4	126,228	1/4	115,239	1/4	104,250	1/4	93,260	1/4	82,271	1/4	71,282	1/4	60,293	1/4	49,304		
1/2	1/2	1/2	136,988	1/2	125,999	1/2	115,010	1/2	104,021	1/2	93,031	1/2	82,042	1/2	71,053	1/2	60,064	1/2	49,075		
3/4	3/4	3/4	136,759	3/4	125,770	3/4	114,781	3/4	103,792	3/4	92,803	3/4	81,813	3/4	70,824	3/4	59,835	3/4	48,846		
11		11	136,530	11	125,541	11	114,552	11	103,563	11	92,574	11	81,584	11	70,595	11	59,606	11	48,617		
1/4	1/4	1/4	146,012	1/4	136,301	1/4	125,312	1/4	114,323	1/4	103,334	1/4	92,345	1/4	81,355	1/4	70,366	1/4	59,377	1/4	48,388
1/2	1/2	1/2	145,957	1/2	136,072	1/2	125,083	1/2	114,094	1/2	103,105	1/2	92,116	1/2	81,127	1/2	70,137	1/2	59,148	1/2	48,159
3/4	3/4	3/4	145,902	3/4	135,843	3/4	124,854	3/4	113,865	3/4	102,876	3/4	91,887	3/4	80,898	3/4	69,908	3/4	58,919	3/4	47,930

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 24'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "IB 1063"

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	47,701	0	36,712	0	25,740	0	14,752	0	3,769	0		0		0		0		0	
1/4	47,472	1/4	36,483	1/4	25,512	1/4	14,523	1/4	3,542	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	47,243	1/2	36,254	1/2	25,283	1/2	14,294	1/2	3,315	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	47,014	3/4	36,025	3/4	25,054	3/4	14,065	3/4	3,088	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	46,785	1	35,796	1	24,825	1	13,836	1	2,862	1		1		1		1		1	
1/4	46,556	1/4	35,567	1/4	24,596	1/4	13,607	1/4	2,635	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	46,327	1/2	35,339	1/2	24,367	1/2	13,378	1/2	2,410	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	46,099	3/4	35,110	3/4	24,138	3/4	13,149	3/4	2,185	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	45,870	2	34,881	2	23,909	2	12,920	2	1,960	2		2		2		2		2	
1/4	45,641	1/4	34,652	1/4	23,680	1/4	12,691	1/4	1,735	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	45,412	1/2	34,424	1/2	23,451	1/2	12,462	1/2	1,532	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	45,183	3/4	34,195	3/4	23,222	3/4	12,234	3/4	1,329	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	44,954	3	33,967	3	22,993	3	12,005	3	1,126	3		3		3		3		3	
1/4	44,725	1/4	33,738	1/4	22,764	1/4	11,776	1/4	922	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	44,496	1/2	33,510	1/2	22,535	1/2	11,547	1/2	780	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	44,267	3/4	33,281	3/4	22,307	3/4	11,318	3/4	637	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	44,038	4	33,053	4	22,078	4	11,089	4	494	4		4		4		4		4	
1/4	43,809	1/4	32,824	1/4	21,849	1/4	10,860	1/4	351	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	43,580	1/2	32,596	1/2	21,620	1/2	10,631	1/2	284	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	43,351	3/4	32,367	3/4	21,391	3/4	10,402	3/4	217	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	43,122	5	32,139	5	21,162	5	10,173	5	150	5		5		5		5		5	
1/4	42,893	1/4	31,910	1/4	20,933	1/4	9,944	1/4	84	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	42,664	1/2	31,682	1/2	20,704	1/2	9,715	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	42,435	3/4	31,453	3/4	20,475	3/4	9,486	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	42,207	6	31,225	6	20,246	6	9,257	6		6		6		6		6		6	
1/4	41,978	1/4	30,996	1/4	20,017	1/4	9,028	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	41,749	1/2	30,768	1/2	19,788	1/2	8,800	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	41,520	3/4	30,539	3/4	19,559	3/4	8,571	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	41,291	7	30,311	7	19,330	7	8,342	7		7		7		7		7		7	
1/4	41,062	1/4	30,082	1/4	19,101	1/4	8,113	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	40,833	1/2	29,854	1/2	18,873	1/2	7,884	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	40,604	3/4	29,625	3/4	18,644	3/4	7,655	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	40,375	8	29,397	8	18,415	8	7,426	8		8		8		8		8		8	
1/4	40,146	1/4	29,168	1/4	18,186	1/4	7,197	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	39,917	1/2	28,940	1/2	17,957	1/2	6,968	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	39,688	3/4	28,711	3/4	17,728	3/4	6,739	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	39,459	9	28,483	9	17,499	9	6,510	9		9		9		9		9		9	
1/4	39,230	1/4	28,255	1/4	17,270	1/4	6,281	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	39,001	1/2	28,026	1/2	17,041	1/2	6,053	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	38,772	3/4	27,798	3/4	16,812	3/4	5,824	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	38,543	10	27,569	10	16,583	10	5,595	10		10		10		10		10		10	
1/4	38,315	1/4	27,341	1/4	16,354	1/4	5,366	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	38,086	1/2	27,112	1/2	16,125	1/2	5,138	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	37,857	3/4	26,884	3/4	15,896	3/4	4,910	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	37,628	11	26,655	11	15,667	11	4,681	11		11		11		11		11		11	
1/4	37,399	1/4	26,427	1/4	15,439	1/4	4,453	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	37,170	1/2	26,198	1/2	15,210	1/2	4,225	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	36,941	3/4	25,969	3/4	14,981	3/4	3,997	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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PRINTED: 08/28/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2013

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