



# BARGE "IB 1061"

## 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	- 00-7/8	00-7/8	- 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 1061"

## 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		IN	
0		0	158,686	0	149,250	0	138,603	0	127,956	0	116,728	0	104,275	0	91,823	0	79,369	0	66,925		
1/4	1/4	158,647	1/4	149,028	1/4	138,382	1/4	127,735	1/4	116,469	1/4	104,015	1/4	91,563	1/4	79,110	1/4	66,667	1/4		
1/2	1/2	158,609	1/2	148,807	1/2	138,160	1/2	127,513	1/2	116,209	1/2	103,756	1/2	91,304	1/2	78,850	1/2	66,408	1/2		
3/4	3/4	158,570	3/4	148,585	3/4	137,938	3/4	127,291	3/4	115,950	3/4	103,497	3/4	91,044	3/4	78,591	3/4	66,149	3/4		
1		1	158,468	1	148,363	1	137,716	1	127,069	1	115,690	1	103,237	1	90,785	1	78,332	1	65,890		
1/4	1/4	158,365	1/4	148,141	1/4	137,494	1/4	126,847	1/4	115,431	1/4	102,978	1/4	90,525	1/4	78,072	1/4	65,631	1/4		
1/2	1/2	158,262	1/2	147,919	1/2	137,272	1/2	126,625	1/2	115,172	1/2	102,718	1/2	90,266	1/2	77,813	1/2	65,372	1/2		
3/4	3/4	158,160	3/4	147,698	3/4	137,051	3/4	126,404	3/4	114,912	3/4	102,459	3/4	90,006	3/4	77,553	3/4	65,114	3/4		
2		2	157,978	2	147,476	2	136,829	2	126,182	2	114,653	2	102,199	2	89,747	2	77,294	2	64,855		
1/4	1/4	157,797	1/4	147,254	1/4	136,607	1/4	125,960	1/4	114,393	1/4	101,940	1/4	89,488	1/4	77,034	1/4	64,596	1/4		
1/2	1/2	157,615	1/2	147,032	1/2	136,385	1/2	125,738	1/2	114,134	1/2	101,681	1/2	89,228	1/2	76,775	1/2	64,337	1/2		
3/4	3/4	157,433	3/4	146,810	3/4	136,163	3/4	125,516	3/4	113,874	3/4	101,421	3/4	88,969	3/4	76,515	3/4	64,078	3/4		
3		3	157,217	3	146,589	3	135,942	3	125,295	3	113,615	3	101,162	3	88,709	3	76,256	3	63,819		
1/4	1/4	157,000	1/4	146,367	1/4	135,720	1/4	125,073	1/4	113,355	1/4	100,902	1/4	88,450	1/4	75,997	1/4	63,561	1/4		
1/2	1/2	156,784	1/2	146,145	1/2	135,498	1/2	124,851	1/2	113,096	1/2	100,643	1/2	88,190	1/2	75,737	1/2	63,302	1/2		
3/4	3/4	156,567	3/4	145,923	3/4	135,276	3/4	124,629	3/4	112,837	3/4	100,384	3/4	87,931	3/4	75,478	3/4	63,043	3/4		
4		4	156,346	4	145,701	4	135,054	4	124,407	4	112,577	4	100,124	4	87,672	4	75,218	4	62,784		
1/4	1/4	156,125	1/4	145,480	1/4	134,833	1/4	124,186	1/4	112,318	1/4	99,865	1/4	87,412	1/4	74,959	1/4	62,525	1/4		
1/2	1/2	155,904	1/2	145,258	1/2	134,611	1/2	123,964	1/2	112,058	1/2	99,605	1/2	87,153	1/2	74,699	1/2	62,266	1/2		
3/4	3/4	155,682	3/4	145,036	3/4	134,389	3/4	123,742	3/4	111,799	3/4	99,346	3/4	86,893	3/4	74,440	3/4	62,007	3/4		
5		5	155,461	5	144,814	5	134,167	5	123,520	5	111,539	5	99,087	5	86,634	5	74,181	5	61,749		
1/4	1/4	155,239	1/4	144,592	1/4	133,945	1/4	123,298	1/4	111,280	1/4	98,827	1/4	86,374	1/4	73,921	1/4	61,490	1/4		
1/2	1/2	155,017	1/2	144,370	1/2	133,723	1/2	123,077	1/2	111,020	1/2	98,568	1/2	86,115	1/2	73,662	1/2	61,231	1/2		
3/4	3/4	154,796	3/4	144,149	3/4	133,502	3/4	122,855	3/4	110,761	3/4	98,308	3/4	85,855	3/4	73,402	3/4	60,972	3/4		
6		6	154,574	6	143,927	6	133,280	6	122,633	6	110,502	6	98,049	6	85,596	6	73,143	6	60,713		
1/4	1/4	154,352	1/4	143,705	1/4	133,058	1/4	122,411	1/4	110,242	1/4	97,789	1/4	85,337	1/4	72,883	1/4	60,454	1/4		
1/2	1/2	154,130	1/2	143,483	1/2	132,836	1/2	122,189	1/2	109,983	1/2	97,530	1/2	85,077	1/2	72,624	1/2	60,195	1/2		
3/4	3/4	153,908	3/4	143,261	3/4	132,614	3/4	121,967	3/4	109,723	3/4	97,271	3/4	84,818	3/4	72,364	3/4	59,936	3/4		
7		7	153,687	7	143,040	7	132,393	7	121,746	7	109,464	7	97,011	7	84,558	7	72,105	7	59,676		
1/4	1/4	153,465	1/4	142,818	1/4	132,171	1/4	121,524	1/4	109,204	1/4	96,752	1/4	84,299	1/4	71,846	1/4	59,417	1/4		
1/2	1/2	153,243	1/2	142,596	1/2	131,949	1/2	121,303	1/2	108,945	1/2	96,492	1/2	84,039	1/2	71,586	1/2	59,158	1/2		
3/4	3/4	153,021	3/4	142,374	3/4	131,727	3/4	121,081	3/4	108,685	3/4	96,233	3/4	83,780	3/4	71,327	3/4	58,898	3/4		
8		8	152,799	8	142,152	8	131,505	8	120,836	8	108,426	8	95,974	8	83,520	8	71,068	8	58,639		
1/4	1/4	152,577	1/4	141,931	1/4	131,284	1/4	120,591	1/4	108,167	1/4	95,714	1/4	83,261	1/4	70,809	1/4	58,380	1/4		
1/2	1/2	152,356	1/2	141,709	1/2	131,062	1/2	120,346	1/2	107,907	1/2	95,455	1/2	83,002	1/2	70,549	1/2	58,120	1/2		
3/4	3/4	152,134	3/4	141,487	3/4	130,840	3/4	120,101	3/4	107,648	3/4	95,195	3/4	82,742	3/4	70,290	3/4	57,861	3/4		
9		9	151,912	9	141,265	9	130,618	9	119,841	9	107,388	9	94,936	9	82,483	9	70,032	9	57,602		
1/4	1/4	151,690	1/4	141,043	1/4	130,396	1/4	119,582	1/4	107,129	1/4	94,676	1/4	82,223	1/4	69,773	1/4	57,342	1/4		
1/2	1/2	151,468	1/2	140,821	1/2	130,174	1/2	119,323	1/2	106,869	1/2	94,417	1/2	81,964	1/2	69,514	1/2	57,083	1/2		
3/4	3/4	151,247	3/4	140,600	3/4	129,953	3/4	119,063	3/4	106,610	3/4	94,158	3/4	81,704	3/4	69,255	3/4	56,824	3/4		
10		10	151,025	10	140,378	10	129,731	10	118,804	10	106,350	10	93,898	10	81,445	10	68,996	10	56,564		
1/4	1/4	150,803	1/4	140,156	1/4	129,509	1/4	118,544	1/4	106,091	1/4	93,639	1/4	81,185	1/4	68,737	1/4	56,305	1/4		
1/2	1/2	150,581	1/2	139,934	1/2	129,287	1/2	118,285	1/2	105,832	1/2	93,379	1/2	80,926	1/2	68,478	1/2	56,046	1/2		
3/4	3/4	150,359	3/4	139,712	3/4	129,065	3/4	118,025	3/4	105,572	3/4	93,120	3/4	80,667	3/4	68,220	3/4	55,787	3/4		
11		11	150,138	11	139,491	11	128,844	11	117,766	11	105,313	11	92,860	11	80,407	11	67,961	11	55,527		
1/4	1/4	149,916	1/4	139,269	1/4	128,622	1/4	117,506	1/4	105,053	1/4	92,601	1/4	80,148	1/4	67,702	1/4	55,268	1/4		
1/2	1/2	149,694	1/2	139,047	1/2	128,400	1/2	117,247	1/2	104,794	1/2	92,341	1/2	79,888	1/2	67,443	1/2	55,009	1/2		
3/4	3/4	158,724	3/4	149,472	3/4	138,825	3/4	128,178	3/4	116,988	3/4	104,534	3/4	92,082	3/4	79,629	3/4	67,184	3/4	54,749	3/4

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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# BARGE "IB 1061"

## 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	54,490	0	42,043	0	29,839	0	17,392	0	4,937	0		0		0		0		0	
1/4	54,231	1/4	41,784	1/4	29,582	1/4	17,133	1/4	4,679	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	53,971	1/2	41,524	1/2	29,325	1/2	16,873	1/2	4,420	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	53,712	3/4	41,265	3/4	29,068	3/4	16,614	3/4	4,162	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	53,453	1	41,006	1	28,808	1	16,354	1	3,904	1		1		1		1		1	
1/4	53,193	1/4	40,746	1/4	28,549	1/4	16,095	1/4	3,647	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	52,934	1/2	40,487	1/2	28,289	1/2	15,835	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	52,675	3/4	40,228	3/4	28,030	3/4	15,576	3/4	3,132	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	52,415	2	39,972	2	27,770	2	15,317	2	2,876	2		2		2		2		2	
1/4	52,156	1/4	39,717	1/4	27,511	1/4	15,057	1/4	2,621	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	51,897	1/2	39,461	1/2	27,251	1/2	14,798	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	51,638	3/4	39,206	3/4	26,992	3/4	14,538	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	51,378	3	38,953	3	26,732	3	14,279	3	1,879	3		3		3		3		3	
1/4	51,119	1/4	38,700	1/4	26,473	1/4	14,019	1/4	1,649	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	50,860	1/2	38,447	1/2	26,214	1/2	13,760	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	50,600	3/4	38,194	3/4	25,954	3/4	13,500	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	50,341	4	37,941	4	25,695	4	13,241	4	1,025	4		4		4		4		4	
1/4	50,082	1/4	37,688	1/4	25,435	1/4	12,981	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	49,822	1/2	37,434	1/2	25,176	1/2	12,722	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	49,563	3/4	37,181	3/4	24,916	3/4	12,463	3/4	538	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	49,304	5	36,928	5	24,657	5	12,203	5	462	5		5		5		5		5	
1/4	49,044	1/4	36,675	1/4	24,397	1/4	11,944	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	48,785	1/2	36,422	1/2	24,138	1/2	11,684	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	48,526	3/4	36,169	3/4	23,878	3/4	11,425	3/4	235	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	48,266	6	35,916	6	23,619	6	11,165	6		6		6		6		6		6	
1/4	48,007	1/4	35,663	1/4	23,360	1/4	10,906	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	47,748	1/2	35,410	1/2	23,100	1/2	10,646	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	47,489	3/4	35,157	3/4	22,841	3/4	10,387	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	47,229	7	34,904	7	22,581	7	10,127	7		7		7		7		7		7	
1/4	46,970	1/4	34,651	1/4	22,322	1/4	9,868	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	46,711	1/2	34,398	1/2	22,062	1/2	9,608	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	46,451	3/4	34,145	3/4	21,803	3/4	9,348	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	46,192	8	33,892	8	21,543	8	9,089	8		8		8		8		8		8	
1/4	45,933	1/4	33,639	1/4	21,284	1/4	8,829	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	45,673	1/2	33,385	1/2	21,025	1/2	8,569	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	45,414	3/4	33,132	3/4	20,765	3/4	8,309	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	45,155	9	32,879	9	20,506	9	8,050	9		9		9		9		9		9	
1/4	44,895	1/4	32,626	1/4	20,246	1/4	7,790	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	44,636	1/2	32,373	1/2	19,987	1/2	7,531	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	44,377	3/4	32,120	3/4	19,727	3/4	7,271	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	44,117	10	31,867	10	19,468	10	7,012	10		10		10		10		10		10	
1/4	43,858	1/4	31,614	1/4	19,208	1/4	6,752	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	43,599	1/2	31,361	1/2	18,949	1/2	6,493	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	43,340	3/4	31,108	3/4	18,689	3/4	6,233	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	43,080	11	30,855	11	18,430	11	5,974	11		11		11		11		11		11	
1/4	42,821	1/4	30,602	1/4	18,171	1/4	5,715	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	42,562	1/2	30,349	1/2	17,911	1/2	5,455	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	42,302	3/4	30,096	3/4	17,652	3/4	5,196	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  
<http://www.pmacorp.net>



# BARGE "IB 1061"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-06 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0	137,194	0	126,133	0	115,071	0	104,010	0	92,948	0	81,887	0	70,825	0	59,764
1/4		1/4	146,738	1/4	136,964	1/4	125,902	1/4	114,841	1/4	103,779	1/4	92,718	1/4	81,656	1/4	70,595	1/4	59,533
1/2		1/2	146,683	1/2	136,733	1/2	125,672	1/2	114,610	1/2	103,549	1/2	92,487	1/2	81,426	1/2	70,364	1/2	59,303
3/4		3/4	146,627	3/4	136,503	3/4	125,441	3/4	114,380	3/4	103,318	3/4	92,257	3/4	81,195	3/4	70,134	3/4	59,072
1		1	146,572	1	136,272	1	125,211	1	114,149	1	103,088	1	92,026	1	80,965	1	69,904	1	58,842
1/4		1/4	146,517	1/4	136,042	1/4	124,980	1/4	113,919	1/4	102,857	1/4	91,796	1/4	80,735	1/4	69,673	1/4	58,612
1/2		1/2	146,392	1/2	135,811	1/2	124,750	1/2	113,688	1/2	102,627	1/2	91,566	1/2	80,504	1/2	69,443	1/2	58,381
3/4		3/4	146,267	3/4	135,581	3/4	124,519	3/4	113,458	3/4	102,397	3/4	91,335	3/4	80,274	3/4	69,212	3/4	58,151
2		2	146,143	2	135,351	2	124,289	2	113,228	2	102,166	2	91,105	2	80,043	2	68,982	2	57,920
1/4		1/4	146,018	1/4	135,120	1/4	124,059	1/4	112,997	1/4	101,936	1/4	90,874	1/4	79,813	1/4	68,751	1/4	57,690
1/2		1/2	145,823	1/2	134,890	1/2	123,828	1/2	112,767	1/2	101,705	1/2	90,644	1/2	79,582	1/2	68,521	1/2	57,459
3/4		3/4	145,628	3/4	134,659	3/4	123,598	3/4	112,536	3/4	101,475	3/4	90,413	3/4	79,352	3/4	68,290	3/4	57,229
3		3	145,433	3	134,429	3	123,367	3	112,306	3	101,244	3	90,183	3	79,121	3	68,060	3	56,998
1/4		1/4	145,238	1/4	134,198	1/4	123,137	1/4	112,075	1/4	101,014	1/4	89,952	1/4	78,891	1/4	67,829	1/4	56,768
1/2		1/2	145,013	1/2	133,968	1/2	122,906	1/2	111,845	1/2	100,783	1/2	89,722	1/2	78,661	1/2	67,599	1/2	56,538
3/4		3/4	144,787	3/4	133,737	3/4	122,676	3/4	111,614	3/4	100,553	3/4	89,492	3/4	78,430	3/4	67,369	3/4	56,307
4		4	144,561	4	133,507	4	122,445	4	111,384	4	100,323	4	89,261	4	78,200	4	67,138	4	56,077
1/4		1/4	144,336	1/4	133,276	1/4	122,215	1/4	111,154	1/4	100,092	1/4	89,031	1/4	77,969	1/4	66,908	1/4	55,846
1/2		1/2	144,106	1/2	133,046	1/2	121,985	1/2	110,923	1/2	99,862	1/2	88,800	1/2	77,739	1/2	66,677	1/2	55,616
3/4		3/4	143,876	3/4	132,816	3/4	121,754	3/4	110,693	3/4	99,631	3/4	88,570	3/4	77,508	3/4	66,447	3/4	55,385
5		5	143,646	5	132,585	5	121,524	5	110,462	5	99,401	5	88,339	5	77,278	5	66,216	5	55,155
1/4		1/4	143,416	1/4	132,355	1/4	121,293	1/4	110,232	1/4	99,170	1/4	88,109	1/4	77,047	1/4	65,986	1/4	54,924
1/2		1/2	143,185	1/2	132,124	1/2	121,063	1/2	110,001	1/2	98,940	1/2	87,878	1/2	76,817	1/2	65,755	1/2	54,694
3/4		3/4	142,955	3/4	131,894	3/4	120,832	3/4	109,771	3/4	98,709	3/4	87,648	3/4	76,586	3/4	65,525	3/4	54,464
6		6	142,725	6	131,663	6	120,602	6	109,540	6	98,479	6	87,417	6	76,356	6	65,295	6	54,233
1/4		1/4	142,494	1/4	131,433	1/4	120,371	1/4	109,310	1/4	98,249	1/4	87,187	1/4	76,126	1/4	65,064	1/4	54,003
1/2		1/2	142,264	1/2	131,202	1/2	120,141	1/2	109,080	1/2	98,018	1/2	86,957	1/2	75,895	1/2	64,834	1/2	53,772
3/4		3/4	142,033	3/4	130,972	3/4	119,911	3/4	108,849	3/4	97,788	3/4	86,726	3/4	75,665	3/4	64,603	3/4	53,542
7		7	141,803	7	130,742	7	119,680	7	108,619	7	97,557	7	86,496	7	75,434	7	64,373	7	53,311
1/4		1/4	141,573	1/4	130,511	1/4	119,450	1/4	108,388	1/4	97,327	1/4	86,265	1/4	75,204	1/4	64,142	1/4	53,081
1/2		1/2	141,342	1/2	130,281	1/2	119,219	1/2	108,158	1/2	97,096	1/2	86,035	1/2	74,973	1/2	63,912	1/2	52,850
3/4		3/4	141,112	3/4	130,050	3/4	118,989	3/4	107,927	3/4	96,866	3/4	85,804	3/4	74,743	3/4	63,681	3/4	52,620
8		8	140,881	8	129,820	8	118,758	8	107,697	8	96,635	8	85,574	8	74,512	8	63,451	8	52,390
1/4		1/4	140,651	1/4	129,589	1/4	118,528	1/4	107,466	1/4	96,405	1/4	85,343	1/4	74,282	1/4	63,221	1/4	52,159
1/2		1/2	140,420	1/2	129,359	1/2	118,297	1/2	107,236	1/2	96,174	1/2	85,113	1/2	74,052	1/2	62,990	1/2	51,929
3/4		3/4	140,190	3/4	129,128	3/4	118,067	3/4	107,006	3/4	95,944	3/4	84,883	3/4	73,821	3/4	62,760	3/4	51,698
9		9	139,959	9	128,898	9	117,837	9	106,775	9	95,714	9	84,652	9	73,591	9	62,529	9	51,468
1/4		1/4	139,729	1/4	128,668	1/4	117,606	1/4	106,545	1/4	95,483	1/4	84,422	1/4	73,360	1/4	62,299	1/4	51,237
1/2		1/2	139,499	1/2	128,437	1/2	117,376	1/2	106,314	1/2	95,253	1/2	84,191	1/2	73,130	1/2	62,068	1/2	51,007
3/4		3/4	139,268	3/4	128,207	3/4	117,145	3/4	106,084	3/4	95,022	3/4	83,961	3/4	72,899	3/4	61,838	3/4	50,776
10		10	139,038	10	127,976	10	116,915	10	105,853	10	94,792	10	83,730	10	72,669	10	61,607	10	50,546
1/4		1/4	138,807	1/4	127,746	1/4	116,684	1/4	105,623	1/4	94,561	1/4	83,500	1/4	72,438	1/4	61,377	1/4	50,315
1/2		1/2	138,577	1/2	127,515	1/2	116,454	1/2	105,392	1/2	94,331	1/2	83,269	1/2	72,208	1/2	61,147	1/2	50,085
3/4		3/4	138,346	3/4	127,285	3/4	116,223	3/4	105,162	3/4	94,100	3/4	83,039	3/4	71,978	3/4	60,916	3/4	49,855
11		11	138,116	11	127,054	11	115,993	11	104,931	11	93,870	11	82,809	11	71,747	11	60,686	11	49,624
1/4		1/4	137,885	1/4	126,824	1/4	115,763	1/4	104,701	1/4	93,640	1/4	82,578	1/4	71,517	1/4	60,455	1/4	49,394
1/2		1/2	137,655	1/2	126,594	1/2	115,532	1/2	104,471	1/2	93,409	1/2	82,348	1/2	71,286	1/2	60,225	1/2	49,163
3/4		3/4	137,425	3/4	126,363	3/4	115,302	3/4	104,240	3/4	93,179	3/4	82,117	3/4	71,056	3/4	59,994	3/4	48,933

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 1061"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-06 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
	48,702	0	37,641	0	26,816	0	15,770	0	4,712	0		0		0		0		0	
1/4	48,472	1/4	37,410	1/4	26,591	1/4	15,540	1/4	4,482	1/4		1/4		1/4		1/4		1/4	
1/2	48,241	1/2	37,180	1/2	26,363	1/2	15,309	1/2	4,253	1/2		1/2		1/2		1/2		1/2	
3/4	48,011	3/4	36,950	3/4	26,135	3/4	15,079	3/4	4,023	3/4		3/4		3/4		3/4		3/4	
1	47,781	1	36,719	1	25,907	1	14,849	1	3,794	1		1		1		1		1	
1/4	47,550	1/4	36,489	1/4	25,679	1/4	14,618	1/4	3,565	1/4		1/4		1/4		1/4		1/4	
1/2	47,320	1/2	36,258	1/2	25,449	1/2	14,388	1/2	3,337	1/2		1/2		1/2		1/2		1/2	
3/4	47,089	3/4	36,028	3/4	25,218	3/4	14,157	3/4	3,108	3/4		3/4		3/4		3/4		3/4	
2	46,859	2	35,797	2	24,988	2	13,927	2	2,880	2		2		2		2		2	
1/4	46,628	1/4	35,567	1/4	24,757	1/4	13,696	1/4	2,652	1/4		1/4		1/4		1/4		1/4	
1/2	46,398	1/2	35,340	1/2	24,527	1/2	13,466	1/2	2,425	1/2		1/2		1/2		1/2		1/2	
3/4	46,167	3/4	35,114	3/4	24,297	3/4	13,236	3/4	2,199	3/4		3/4		3/4		3/4		3/4	
3	45,937	3	34,887	3	24,066	3	13,005	3	1,973	3		3		3		3		3	
1/4	45,707	1/4	34,661	1/4	23,836	1/4	12,775	1/4	1,746	1/4		1/4		1/4		1/4		1/4	
1/2	45,476	1/2	34,437	1/2	23,605	1/2	12,544	1/2	1,542	1/2		1/2		1/2		1/2		1/2	
3/4	45,246	3/4	34,212	3/4	23,375	3/4	12,314	3/4	1,337	3/4		3/4		3/4		3/4		3/4	
4	45,015	4	33,988	4	23,144	4	12,083	4	1,133	4		4		4		4		4	
1/4	44,785	1/4	33,764	1/4	22,914	1/4	11,853	1/4	928	1/4		1/4		1/4		1/4		1/4	
1/2	44,554	1/2	33,540	1/2	22,683	1/2	11,622	1/2	784	1/2		1/2		1/2		1/2		1/2	
3/4	44,324	3/4	33,316	3/4	22,453	3/4	11,392	3/4	641	3/4		3/4		3/4		3/4		3/4	
5	44,093	5	33,091	5	22,223	5	11,162	5	497	5		5		5		5		5	
1/4	43,863	1/4	32,867	1/4	21,992	1/4	10,931	1/4	353	1/4		1/4		1/4		1/4		1/4	
1/2	43,633	1/2	32,643	1/2	21,762	1/2	10,701	1/2	286	1/2		1/2		1/2		1/2		1/2	
3/4	43,402	3/4	32,419	3/4	21,531	3/4	10,470	3/4	218	3/4		3/4		3/4		3/4		3/4	
6	43,172	6	32,195	6	21,301	6	10,240	6	151	6		6		6		6		6	
1/4	42,941	1/4	31,971	1/4	21,070	1/4	10,009	1/4	84	1/4		1/4		1/4		1/4		1/4	
1/2	42,711	1/2	31,747	1/2	20,840	1/2	9,779	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	42,480	3/4	31,522	3/4	20,610	3/4	9,548	3/4		3/4		3/4		3/4		3/4		3/4	
7	42,250	7	31,298	7	20,379	7	9,318	7		7		7		7		7		7	
1/4	42,019	1/4	31,074	1/4	20,149	1/4	9,088	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	41,789	1/2	30,850	1/2	19,918	1/2	8,857	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	41,559	3/4	30,626	3/4	19,688	3/4	8,627	3/4		3/4		3/4		3/4		3/4		3/4	
8	41,328	8	30,402	8	19,457	8	8,396	8		8		8		8		8		8	
1/4	41,098	1/4	30,178	1/4	19,227	1/4	8,166	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	40,867	1/2	29,954	1/2	18,996	1/2	7,935	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	40,637	3/4	29,729	3/4	18,766	3/4	7,705	3/4		3/4		3/4		3/4		3/4		3/4	
9	40,406	9	29,505	9	18,536	9	7,475	9		9		9		9		9		9	
1/4	40,176	1/4	29,281	1/4	18,305	1/4	7,244	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	39,945	1/2	29,057	1/2	18,075	1/2	7,014	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	39,715	3/4	28,833	3/4	17,844	3/4	6,783	3/4		3/4		3/4		3/4		3/4		3/4	
10	39,484	10	28,609	10	17,614	10	6,553	10		10		10		10		10		10	
1/4	39,254	1/4	28,385	1/4	17,383	1/4	6,323	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	39,024	1/2	28,160	1/2	17,153	1/2	6,092	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	38,793	3/4	27,936	3/4	16,923	3/4	5,862	3/4		3/4		3/4		3/4		3/4		3/4	
11	38,563	11	27,712	11	16,692	11	5,632	11		11		11		11		11		11	
1/4	38,332	1/4	27,488	1/4	16,462	1/4	5,401	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	38,102	1/2	27,264	1/2	16,231	1/2	5,172	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	37,871	3/4	27,040	3/4	16,001	3/4	4,942	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  
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# BARGE "IB 1061"

## 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	145,822	0	135,769	0	124,786	0	113,803	0	102,820	0	91,836	0	80,853	0	69,870	0	58,887
1/4	1/4	145,767	1/4	135,540	1/4	124,557	1/4	113,574	1/4	102,591	1/4	91,608	1/4	80,624	1/4	69,641	1/4	58,658	
1/2	1/2	145,712	1/2	135,311	1/2	124,328	1/2	113,345	1/2	102,362	1/2	91,379	1/2	80,396	1/2	69,412	1/2	58,429	
3/4	3/4	145,588	3/4	135,083	3/4	124,099	3/4	113,116	3/4	102,133	3/4	91,150	3/4	80,167	3/4	69,184	3/4	58,200	
1		1	145,465	1	134,854	1	123,871	1	112,887	1	101,904	1	90,921	1	79,938	1	68,955	1	57,972
1/4	1/4	145,341	1/4	134,625	1/4	123,642	1/4	112,659	1/4	101,675	1/4	90,692	1/4	79,709	1/4	68,726	1/4	57,743	
1/2	1/2	145,217	1/2	134,396	1/2	123,413	1/2	112,430	1/2	101,447	1/2	90,464	1/2	79,480	1/2	68,497	1/2	57,514	
3/4	3/4	145,023	3/4	134,167	3/4	123,184	3/4	112,201	3/4	101,218	3/4	90,235	3/4	79,252	3/4	68,268	3/4	57,285	
2		2	144,830	2	133,938	2	122,955	2	111,972	2	100,989	2	90,006	2	79,023	2	68,040	2	57,056
1/4	1/4	144,636	1/4	133,710	1/4	122,727	1/4	111,743	1/4	100,760	1/4	89,777	1/4	78,794	1/4	67,811	1/4	56,828	
1/2	1/2	144,443	1/2	133,481	1/2	122,498	1/2	111,515	1/2	100,531	1/2	89,548	1/2	78,565	1/2	67,582	1/2	56,599	
3/4	3/4	144,219	3/4	133,252	3/4	122,269	3/4	111,286	3/4	100,303	3/4	89,319	3/4	78,336	3/4	67,353	3/4	56,370	
3		3	143,995	3	133,023	3	122,040	3	111,057	3	100,074	3	89,091	3	78,107	3	67,124	3	56,141
1/4	1/4	143,770	1/4	132,794	1/4	121,811	1/4	110,828	1/4	99,845	1/4	88,862	1/4	77,879	1/4	66,895	1/4	55,912	
1/2	1/2	143,546	1/2	132,566	1/2	121,582	1/2	110,599	1/2	99,616	1/2	88,633	1/2	77,650	1/2	66,667	1/2	55,684	
3/4	3/4	143,318	3/4	132,337	3/4	121,354	3/4	110,370	3/4	99,387	3/4	88,404	3/4	77,421	3/4	66,438	3/4	55,455	
4		4	143,090	4	132,108	4	121,125	4	110,142	4	99,159	4	88,175	4	77,192	4	66,209	4	55,226
1/4	1/4	142,861	1/4	131,879	1/4	120,896	1/4	109,913	1/4	98,930	1/4	87,947	1/4	76,963	1/4	65,980	1/4	54,997	
1/2	1/2	142,633	1/2	131,650	1/2	120,667	1/2	109,684	1/2	98,701	1/2	87,718	1/2	76,735	1/2	65,751	1/2	54,768	
3/4	3/4	142,404	3/4	131,422	3/4	120,438	3/4	109,455	3/4	98,472	3/4	87,489	3/4	76,506	3/4	65,523	3/4	54,539	
5		5	142,176	5	131,193	5	120,210	5	109,226	5	98,243	5	87,260	5	76,277	5	65,294	5	54,311
1/4	1/4	141,947	1/4	130,964	1/4	119,981	1/4	108,998	1/4	98,014	1/4	87,031	1/4	76,048	1/4	65,065	1/4	54,082	
1/2	1/2	141,718	1/2	130,735	1/2	119,752	1/2	108,769	1/2	97,786	1/2	86,802	1/2	75,819	1/2	64,836	1/2	53,853	
3/4	3/4	141,489	3/4	130,506	3/4	119,523	3/4	108,540	3/4	97,557	3/4	86,574	3/4	75,590	3/4	64,607	3/4	53,624	
6		6	141,261	6	130,277	6	119,294	6	108,311	6	97,328	6	86,345	6	75,362	6	64,379	6	53,395
1/4	1/4	141,032	1/4	130,049	1/4	119,065	1/4	108,082	1/4	97,099	1/4	86,116	1/4	75,133	1/4	64,150	1/4	53,167	
1/2	1/2	140,803	1/2	129,820	1/2	118,837	1/2	107,854	1/2	96,870	1/2	85,887	1/2	74,904	1/2	63,921	1/2	52,938	
3/4	3/4	140,574	3/4	129,591	3/4	118,608	3/4	107,625	3/4	96,642	3/4	85,658	3/4	74,675	3/4	63,692	3/4	52,709	
7		7	140,345	7	129,362	7	118,379	7	107,396	7	96,413	7	85,430	7	74,446	7	63,463	7	52,480
1/4	1/4	140,117	1/4	129,133	1/4	118,150	1/4	107,167	1/4	96,184	1/4	85,201	1/4	74,218	1/4	63,234	1/4	52,251	
1/2	1/2	139,888	1/2	128,905	1/2	117,921	1/2	106,938	1/2	95,955	1/2	84,972	1/2	73,989	1/2	63,006	1/2	52,022	
3/4	3/4	139,659	3/4	128,676	3/4	117,693	3/4	106,709	3/4	95,726	3/4	84,743	3/4	73,760	3/4	62,777	3/4	51,794	
8		8	139,430	8	128,447	8	117,464	8	106,481	8	95,497	8	84,514	8	73,531	8	62,548	8	51,565
1/4	1/4	139,201	1/4	128,218	1/4	117,235	1/4	106,252	1/4	95,269	1/4	84,285	1/4	73,302	1/4	62,319	1/4	51,336	
1/2	1/2	138,972	1/2	127,989	1/2	117,006	1/2	106,023	1/2	95,040	1/2	84,057	1/2	73,074	1/2	62,090	1/2	51,107	
3/4	3/4	138,744	3/4	127,760	3/4	116,777	3/4	105,794	3/4	94,811	3/4	83,828	3/4	72,845	3/4	61,862	3/4	50,878	
9		9	138,515	9	127,532	9	116,548	9	105,565	9	94,582	9	83,599	9	72,616	9	61,633	9	50,650
1/4	1/4	138,286	1/4	127,303	1/4	116,320	1/4	105,337	1/4	94,353	1/4	83,370	1/4	72,387	1/4	61,404	1/4	50,421	
1/2	1/2	138,057	1/2	127,074	1/2	116,091	1/2	105,108	1/2	94,125	1/2	83,141	1/2	72,158	1/2	61,175	1/2	50,192	
3/4	3/4	137,828	3/4	126,845	3/4	115,862	3/4	104,879	3/4	93,896	3/4	82,913	3/4	71,929	3/4	60,946	3/4	49,963	
10		10	137,600	10	126,616	10	115,633	10	104,650	10	93,667	10	82,684	10	71,701	10	60,717	10	49,734
1/4	1/4	137,371	1/4	126,388	1/4	115,404	1/4	104,421	1/4	93,438	1/4	82,455	1/4	71,472	1/4	60,489	1/4	49,505	
1/2	1/2	137,142	1/2	126,159	1/2	115,176	1/2	104,192	1/2	93,209	1/2	82,226	1/2	71,243	1/2	60,260	1/2	49,277	
3/4	3/4	136,913	3/4	125,930	3/4	114,947	3/4	103,964	3/4	92,980	3/4	81,997	3/4	71,014	3/4	60,031	3/4	49,048	
11		11	136,684	11	125,701	11	114,718	11	103,735	11	92,752	11	81,769	11	70,785	11	59,802	11	48,819
1/4	1/4	136,455	1/4	125,472	1/4	114,489	1/4	103,506	1/4	92,523	1/4	81,540	1/4	70,557	1/4	59,573	1/4	48,590	
1/2	145,932	1/2	136,227	1/2	125,243	1/2	114,260	1/2	103,277	1/2	92,294	1/2	81,311	1/2	70,328	1/2	59,345	1/2	48,361
3/4	145,877	3/4	135,998	3/4	125,015	3/4	114,032	3/4	103,048	3/4	92,065	3/4	81,082	3/4	70,099	3/4	59,116	3/4	48,133

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 1061"

## 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	47,904	0	36,921	0	25,955	0	14,972	0	3,995	0		0		0		0		0	
1/4	47,675	1/4	36,692	1/4	25,726	1/4	14,744	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	47,446	1/2	36,463	1/2	25,498	1/2	14,515	1/2	3,540	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	47,217	3/4	36,234	3/4	25,269	3/4	14,286	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	46,989	1	36,005	1	25,040	1	14,057	1	3,087	1		1		1		1		1	
1/4	46,760	1/4	35,777	1/4	24,811	1/4	13,828	1/4	2,860	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	46,531	1/2	35,548	1/2	24,582	1/2	13,600	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	46,302	3/4	35,319	3/4	24,354	3/4	13,371	3/4	2,409	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	46,073	2	35,091	2	24,125	2	13,142	2	2,184	2		2		2		2		2	
1/4	45,844	1/4	34,862	1/4	23,896	1/4	12,913	1/4	1,959	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	45,616	1/2	34,633	1/2	23,667	1/2	12,684	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	45,387	3/4	34,405	3/4	23,438	3/4	12,456	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	45,158	3	34,177	3	23,210	3	12,227	3	1,328	3		3		3		3		3	
1/4	44,929	1/4	33,948	1/4	22,981	1/4	11,998	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	44,700	1/2	33,720	1/2	22,752	1/2	11,769	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	44,472	3/4	33,491	3/4	22,523	3/4	11,540	3/4	779	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	44,243	4	33,263	4	22,294	4	11,312	4	636	4		4		4		4		4	
1/4	44,014	1/4	33,035	1/4	22,065	1/4	11,083	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	43,785	1/2	32,806	1/2	21,837	1/2	10,854	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	43,556	3/4	32,578	3/4	21,608	3/4	10,625	3/4	284	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	43,327	5	32,350	5	21,379	5	10,396	5	217	5		5		5		5		5	
1/4	43,099	1/4	32,121	1/4	21,150	1/4	10,168	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	42,870	1/2	31,893	1/2	20,921	1/2	9,939	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	42,641	3/4	31,664	3/4	20,693	3/4	9,710	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	42,412	6	31,436	6	20,464	6	9,481	6		6		6		6		6		6	
1/4	42,183	1/4	31,208	1/4	20,235	1/4	9,252	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	41,955	1/2	30,979	1/2	20,006	1/2	9,024	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	41,726	3/4	30,751	3/4	19,777	3/4	8,795	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	41,497	7	30,523	7	19,549	7	8,566	7		7		7		7		7		7	
1/4	41,268	1/4	30,294	1/4	19,320	1/4	8,337	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	41,039	1/2	30,066	1/2	19,091	1/2	8,108	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	40,811	3/4	29,838	3/4	18,862	3/4	7,879	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	40,582	8	29,609	8	18,633	8	7,651	8		8		8		8		8		8	
1/4	40,353	1/4	29,381	1/4	18,405	1/4	7,422	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	40,124	1/2	29,152	1/2	18,176	1/2	7,193	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	39,895	3/4	28,924	3/4	17,947	3/4	6,964	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	39,666	9	28,696	9	17,718	9	6,736	9		9		9		9		9		9	
1/4	39,438	1/4	28,467	1/4	17,489	1/4	6,507	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	39,209	1/2	28,239	1/2	17,261	1/2	6,278	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	38,980	3/4	28,011	3/4	17,032	3/4	6,049	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	38,751	10	27,782	10	16,803	10	5,821	10		10		10		10		10		10	
1/4	38,522	1/4	27,554	1/4	16,574	1/4	5,592	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	38,294	1/2	27,326	1/2	16,345	1/2	5,363	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	38,065	3/4	27,097	3/4	16,117	3/4	5,135	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	37,836	11	26,869	11	15,888	11	4,907	11		11		11		11		11		11	
1/4	37,607	1/4	26,641	1/4	15,659	1/4	4,679	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	37,378	1/2	26,412	1/2	15,430	1/2	4,450	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	37,149	3/4	26,184	3/4	15,201	3/4	4,223	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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