



BARGE "IB 1069"

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

(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"

September 20, 2013

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "IB 1069"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-05 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0	158,766	0	149,140	0	138,485	0	127,830	0	116,556	0	104,093	0	91,631	0	79,169	0	66,716		
1/4	1/4	158,727	1/4	148,918	1/4	138,263	1/4	127,608	1/4	116,296	1/4	103,833	1/4	91,372	1/4	78,909	1/4	66,457	1/4		
1/2	1/2	158,689	1/2	148,696	1/2	138,041	1/2	127,386	1/2	116,036	1/2	103,574	1/2	91,112	1/2	78,650	1/2	66,198	1/2		
3/4	3/4	158,586	3/4	148,474	3/4	137,819	3/4	127,164	3/4	115,777	3/4	103,314	3/4	90,853	3/4	78,390	3/4	65,939	3/4		
1		1	158,483	1	148,252	1	137,597	1	126,942	1	115,517	1	103,055	1	90,593	1	78,130	1	65,680		
1/4	1/4	158,381	1/4	148,030	1/4	137,375	1/4	126,720	1/4	115,257	1/4	102,795	1/4	90,333	1/4	77,871	1/4	65,421	1/4		
1/2	1/2	158,278	1/2	147,808	1/2	137,153	1/2	126,498	1/2	114,998	1/2	102,535	1/2	90,074	1/2	77,611	1/2	65,162	1/2		
3/4	3/4	158,096	3/4	147,586	3/4	136,931	3/4	126,276	3/4	114,738	3/4	102,276	3/4	89,814	3/4	77,352	3/4	64,903	3/4		
2		2	157,914	2	147,364	2	136,709	2	126,054	2	114,479	2	102,016	2	89,554	2	77,092	2	64,644		
1/4	1/4	157,733	1/4	147,142	1/4	136,487	1/4	125,832	1/4	114,219	1/4	101,757	1/4	89,295	1/4	76,832	1/4	64,385	1/4		
1/2	1/2	157,551	1/2	146,920	1/2	136,265	1/2	125,610	1/2	113,959	1/2	101,497	1/2	89,035	1/2	76,573	1/2	64,126	1/2		
3/4	3/4	157,334	3/4	146,698	3/4	136,043	3/4	125,388	3/4	113,700	3/4	101,237	3/4	88,775	3/4	76,313	3/4	63,867	3/4		
3		3	157,117	3	146,476	3	135,821	3	125,166	3	113,440	3	100,978	3	88,516	3	76,053	3	63,608		
1/4	1/4	156,901	1/4	146,254	1/4	135,599	1/4	124,944	1/4	113,180	1/4	100,718	1/4	88,256	1/4	75,794	1/4	63,349	1/4		
1/2	1/2	156,684	1/2	146,032	1/2	135,377	1/2	124,722	1/2	112,921	1/2	100,459	1/2	87,997	1/2	75,534	1/2	63,090	1/2		
3/4	3/4	156,463	3/4	145,810	3/4	135,155	3/4	124,500	3/4	112,661	3/4	100,199	3/4	87,737	3/4	75,274	3/4	62,831	3/4		
4		4	156,241	4	145,588	4	134,933	4	124,278	4	112,401	4	99,939	4	87,477	4	75,015	4	62,572		
1/4	1/4	156,020	1/4	145,366	1/4	134,711	1/4	124,056	1/4	112,142	1/4	99,680	1/4	87,218	1/4	74,755	1/4	62,313	1/4		
1/2	1/2	155,799	1/2	145,144	1/2	134,489	1/2	123,834	1/2	111,882	1/2	99,420	1/2	86,958	1/2	74,496	1/2	62,054	1/2		
3/4	3/4	155,577	3/4	144,922	3/4	134,267	3/4	123,612	3/4	111,623	3/4	99,160	3/4	86,698	3/4	74,236	3/4	61,795	3/4		
5		5	155,355	5	144,700	5	134,045	5	123,390	5	111,363	5	98,901	5	86,439	5	73,976	5	61,536		
1/4	1/4	155,133	1/4	144,478	1/4	133,823	1/4	123,168	1/4	111,103	1/4	98,641	1/4	86,179	1/4	73,717	1/4	61,277	1/4		
1/2	1/2	154,911	1/2	144,256	1/2	133,601	1/2	122,946	1/2	110,844	1/2	98,382	1/2	85,920	1/2	73,457	1/2	61,018	1/2		
3/4	3/4	154,689	3/4	144,034	3/4	133,379	3/4	122,724	3/4	110,584	3/4	98,122	3/4	85,660	3/4	73,197	3/4	60,758	3/4		
6		6	154,467	6	143,812	6	133,157	6	122,502	6	110,324	6	97,862	6	85,400	6	72,938	6	60,499		
1/4	1/4	154,245	1/4	143,590	1/4	132,935	1/4	122,280	1/4	110,065	1/4	97,603	1/4	85,141	1/4	72,678	1/4	60,240	1/4		
1/2	1/2	154,023	1/2	143,368	1/2	132,713	1/2	122,059	1/2	109,805	1/2	97,343	1/2	84,881	1/2	72,418	1/2	59,980	1/2		
3/4	3/4	153,801	3/4	143,146	3/4	132,491	3/4	121,837	3/4	109,545	3/4	97,084	3/4	84,621	3/4	72,159	3/4	59,721	3/4		
7		7	153,579	7	142,924	7	132,269	7	121,615	7	109,286	7	96,824	7	84,362	7	71,899	7	59,461		
1/4	1/4	153,357	1/4	142,702	1/4	132,047	1/4	121,394	1/4	109,026	1/4	96,564	1/4	84,102	1/4	71,640	1/4	59,202	1/4		
1/2	1/2	153,135	1/2	142,480	1/2	131,825	1/2	121,172	1/2	108,767	1/2	96,305	1/2	83,842	1/2	71,380	1/2	58,942	1/2		
3/4	3/4	152,913	3/4	142,258	3/4	131,604	3/4	120,927	3/4	108,507	3/4	96,045	3/4	83,583	3/4	71,121	3/4	58,683	3/4		
8		8	152,691	8	142,036	8	131,382	8	120,681	8	108,247	8	95,786	8	83,323	8	70,861	8	58,423		
1/4	1/4	152,469	1/4	141,814	1/4	131,160	1/4	120,436	1/4	107,988	1/4	95,526	1/4	83,064	1/4	70,602	1/4	58,164	1/4		
1/2	1/2	152,247	1/2	141,592	1/2	130,938	1/2	120,191	1/2	107,728	1/2	95,266	1/2	82,804	1/2	70,343	1/2	57,904	1/2		
3/4	3/4	152,025	3/4	141,371	3/4	130,716	3/4	119,931	3/4	107,468	3/4	95,007	3/4	82,544	3/4	70,084	3/4	57,645	3/4		
9		9	151,803	9	141,149	9	130,494	9	119,671	9	107,209	9	94,747	9	82,285	9	69,825	9	57,385		
1/4	1/4	151,581	1/4	140,927	1/4	130,272	1/4	119,412	1/4	106,949	1/4	94,487	1/4	82,025	1/4	69,566	1/4	57,126	1/4		
1/2	1/2	151,360	1/2	140,705	1/2	130,050	1/2	119,152	1/2	106,689	1/2	94,228	1/2	81,765	1/2	69,307	1/2	56,866	1/2		
3/4	3/4	151,138	3/4	140,483	3/4	129,828	3/4	118,892	3/4	106,430	3/4	93,968	3/4	81,506	3/4	69,048	3/4	56,607	3/4		
10		10	150,916	10	140,261	10	129,606	10	118,633	10	106,170	10	93,709	10	81,246	10	68,789	10	56,347		
1/4	1/4	150,694	1/4	140,039	1/4	129,384	1/4	118,373	1/4	105,911	1/4	93,449	1/4	80,986	1/4	68,530	1/4	56,088	1/4		
1/2	1/2	150,472	1/2	139,817	1/2	129,162	1/2	118,113	1/2	105,651	1/2	93,189	1/2	80,727	1/2	68,271	1/2	55,828	1/2		
3/4	3/4	150,250	3/4	139,595	3/4	128,940	3/4	117,854	3/4	105,391	3/4	92,930	3/4	80,467	3/4	68,012	3/4	55,569	3/4		
11		11	150,028	11	139,373	11	128,718	11	117,594	11	105,132	11	92,670	11	80,208	11	67,753	11	55,309		
1/4	1/4	149,806	1/4	139,151	1/4	128,496	1/4	117,335	1/4	104,872	1/4	92,410	1/4	79,948	1/4	67,493	1/4	55,050	1/4		
1/2	158,843	1/2	149,584	1/2	138,929	1/2	128,274	1/2	117,075	1/2	104,612	1/2	92,151	1/2	79,688	1/2	67,234	1/2	54,790		
3/4	158,804	3/4	149,362	3/4	138,707	3/4	128,052	3/4	116,815	3/4	104,353	3/4	91,891	3/4	79,429	3/4	66,975	3/4	54,531		

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.

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BARGE "IB 1069"

1 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	54,271	0	41,815	0	29,604	0	17,146	0	4,682	0		0		0		0		0	
1/4	54,012	1/4	41,555	1/4	29,346	1/4	16,886	1/4	4,423	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	53,752	1/2	41,296	1/2	29,089	1/2	16,626	1/2	4,165	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	53,493	3/4	41,036	3/4	28,830	3/4	16,367	3/4	3,907	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	53,233	1	40,777	1	28,570	1	16,107	1	3,649	1		1		1		1		1	
1/4	52,974	1/4	40,517	1/4	28,310	1/4	15,847	1/4	3,392	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	52,714	1/2	40,258	1/2	28,051	1/2	15,588	1/2	3,134	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	52,455	3/4	40,002	3/4	27,791	3/4	15,328	3/4	2,878	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	52,195	2	39,747	2	27,531	2	15,068	2	2,623	2		2		2		2		2	
1/4	51,936	1/4	39,491	1/4	27,272	1/4	14,809	1/4	2,367	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	51,676	1/2	39,235	1/2	27,012	1/2	14,549	1/2	2,111	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	51,417	3/4	38,982	3/4	26,752	3/4	14,289	3/4	1,881	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	51,157	3	38,729	3	26,493	3	14,030	3	1,650	3		3		3		3		3	
1/4	50,898	1/4	38,475	1/4	26,233	1/4	13,770	1/4	1,419	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	50,638	1/2	38,222	1/2	25,973	1/2	13,510	1/2	1,188	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	50,379	3/4	37,969	3/4	25,714	3/4	13,251	3/4	1,026	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	50,119	4	37,716	4	25,454	4	12,991	4	863	4		4		4		4		4	
1/4	49,860	1/4	37,462	1/4	25,195	1/4	12,732	1/4	701	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	49,600	1/2	37,209	1/2	24,935	1/2	12,472	1/2	538	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	49,341	3/4	36,956	3/4	24,675	3/4	12,212	3/4	463	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	49,081	5	36,703	5	24,416	5	11,953	5	387	5		5		5		5		5	
1/4	48,822	1/4	36,449	1/4	24,156	1/4	11,693	1/4	311	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	48,562	1/2	36,196	1/2	23,896	1/2	11,433	1/2	235	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	48,303	3/4	35,943	3/4	23,637	3/4	11,174	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	48,043	6	35,690	6	23,377	6	10,914	6		6		6		6		6		6	
1/4	47,783	1/4	35,436	1/4	23,117	1/4	10,654	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	47,524	1/2	35,183	1/2	22,858	1/2	10,395	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	47,264	3/4	34,930	3/4	22,598	3/4	10,135	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	47,005	7	34,677	7	22,338	7	9,875	7		7		7		7		7		7	
1/4	46,745	1/4	34,423	1/4	22,079	1/4	9,615	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	46,486	1/2	34,170	1/2	21,819	1/2	9,355	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	46,226	3/4	33,917	3/4	21,559	3/4	9,095	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	45,967	8	33,664	8	21,300	8	8,836	8		8		8		8		8		8	
1/4	45,707	1/4	33,410	1/4	21,040	1/4	8,576	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	45,448	1/2	33,157	1/2	20,781	1/2	8,316	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	45,188	3/4	32,904	3/4	20,521	3/4	8,056	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	44,929	9	32,651	9	20,261	9	7,796	9		9		9		9		9		9	
1/4	44,669	1/4	32,397	1/4	20,002	1/4	7,536	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	44,410	1/2	32,144	1/2	19,742	1/2	7,277	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	44,150	3/4	31,891	3/4	19,482	3/4	7,017	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	43,891	10	31,638	10	19,223	10	6,757	10		10		10		10		10		10	
1/4	43,631	1/4	31,384	1/4	18,963	1/4	6,498	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	43,372	1/2	31,131	1/2	18,703	1/2	6,238	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	43,112	3/4	30,878	3/4	18,444	3/4	5,978	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	42,853	11	30,625	11	18,184	11	5,719	11		11		11		11		11		11	
1/4	42,593	1/4	30,371	1/4	17,924	1/4	5,459	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	42,334	1/2	30,118	1/2	17,665	1/2	5,200	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	42,074	3/4	29,861	3/4	17,405	3/4	4,941	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: 09/19/2013 SW
CALCULATED: 09/20/2013 CL
PRINTED: 09/20/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2013

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



BARGE "IB 1069"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-07"

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	138,043	0	126,969	0	115,895	0	104,820	0	93,746	0	82,672	0	71,598	0	60,524
1/4	1/4	1/4	1/4	1/4	137,812	1/4	126,738	1/4	115,664	1/4	104,590	1/4	93,516	1/4	82,442	1/4	71,367	1/4	60,293
1/2	1/2	1/2	1/2	1/2	137,581	1/2	126,507	1/2	115,433	1/2	104,359	1/2	93,285	1/2	82,211	1/2	71,137	1/2	60,063
3/4	3/4	3/4	3/4	3/4	137,351	3/4	126,276	3/4	115,202	3/4	104,128	3/4	93,054	3/4	81,980	3/4	70,906	3/4	59,832
1		1	146,905	1	137,120	1	126,046	1	114,972	1	103,898	1	92,824	1	81,749	1	70,675	1	59,601
1/4	1/4	1/4	146,850	1/4	136,889	1/4	125,815	1/4	114,741	1/4	103,667	1/4	92,593	1/4	81,519	1/4	70,445	1/4	59,371
1/2	1/2	1/2	146,795	1/2	136,658	1/2	125,584	1/2	114,510	1/2	103,436	1/2	92,362	1/2	81,288	1/2	70,214	1/2	59,140
3/4	3/4	3/4	146,739	3/4	136,428	3/4	125,354	3/4	114,280	3/4	103,205	3/4	92,131	3/4	81,057	3/4	69,983	3/4	58,909
2		2	146,684	2	136,197	2	125,123	2	114,049	2	102,975	2	91,901	2	80,827	2	69,753	2	58,678
1/4	1/4	1/4	146,559	1/4	135,966	1/4	124,892	1/4	113,818	1/4	102,744	1/4	91,670	1/4	80,596	1/4	69,522	1/4	58,448
1/2	1/2	1/2	146,434	1/2	135,736	1/2	124,661	1/2	113,587	1/2	102,513	1/2	91,439	1/2	80,365	1/2	69,291	1/2	58,217
3/4	3/4	3/4	146,309	3/4	135,505	3/4	124,431	3/4	113,357	3/4	102,283	3/4	91,209	3/4	80,134	3/4	69,060	3/4	57,986
3		3	146,184	3	135,274	3	124,200	3	113,126	3	102,052	3	90,978	3	79,904	3	68,830	3	57,756
1/4	1/4	1/4	145,989	1/4	135,043	1/4	123,969	1/4	112,895	1/4	101,821	1/4	90,747	1/4	79,673	1/4	68,599	1/4	57,525
1/2	1/2	1/2	145,794	1/2	134,813	1/2	123,739	1/2	112,665	1/2	101,590	1/2	90,516	1/2	79,442	1/2	68,368	1/2	57,294
3/4	3/4	3/4	145,599	3/4	134,582	3/4	123,508	3/4	112,434	3/4	101,360	3/4	90,286	3/4	79,212	3/4	68,138	3/4	57,063
4		4	145,404	4	134,351	4	123,277	4	112,203	4	101,129	4	90,055	4	78,981	4	67,907	4	56,833
1/4	1/4	1/4	145,178	1/4	134,121	1/4	123,047	1/4	111,972	1/4	100,898	1/4	89,824	1/4	78,750	1/4	67,676	1/4	56,602
1/2	1/2	1/2	144,952	1/2	133,890	1/2	122,816	1/2	111,742	1/2	100,668	1/2	89,594	1/2	78,519	1/2	67,445	1/2	56,371
3/4	3/4	3/4	144,726	3/4	133,659	3/4	122,585	3/4	111,511	3/4	100,437	3/4	89,363	3/4	78,289	3/4	67,215	3/4	56,141
5		5	144,500	5	133,428	5	122,354	5	111,280	5	100,206	5	89,132	5	78,058	5	66,984	5	55,910
1/4	1/4	1/4	144,270	1/4	133,198	1/4	122,124	1/4	111,050	1/4	99,976	1/4	88,901	1/4	77,827	1/4	66,753	1/4	55,679
1/2	1/2	1/2	144,040	1/2	132,967	1/2	121,893	1/2	110,819	1/2	99,745	1/2	88,671	1/2	77,597	1/2	66,523	1/2	55,448
3/4	3/4	3/4	143,810	3/4	132,736	3/4	121,662	3/4	110,588	3/4	99,514	3/4	88,440	3/4	77,366	3/4	66,292	3/4	55,218
6		6	143,579	6	132,506	6	121,432	6	110,357	6	99,283	6	88,209	6	77,135	6	66,061	6	54,987
1/4	1/4	1/4	143,349	1/4	132,275	1/4	121,201	1/4	110,127	1/4	99,053	1/4	87,979	1/4	76,905	1/4	65,830	1/4	54,756
1/2	1/2	1/2	143,118	1/2	132,044	1/2	120,970	1/2	109,896	1/2	98,822	1/2	87,748	1/2	76,674	1/2	65,600	1/2	54,526
3/4	3/4	3/4	142,887	3/4	131,813	3/4	120,739	3/4	109,665	3/4	98,591	3/4	87,517	3/4	76,443	3/4	65,369	3/4	54,295
7		7	142,657	7	131,583	7	120,509	7	109,435	7	98,361	7	87,286	7	76,212	7	65,138	7	54,064
1/4	1/4	1/4	142,426	1/4	131,352	1/4	120,278	1/4	109,204	1/4	98,130	1/4	87,056	1/4	75,982	1/4	64,908	1/4	53,834
1/2	1/2	1/2	142,195	1/2	131,121	1/2	120,047	1/2	108,973	1/2	97,899	1/2	86,825	1/2	75,751	1/2	64,677	1/2	53,603
3/4	3/4	3/4	141,965	3/4	130,891	3/4	119,817	3/4	108,742	3/4	97,668	3/4	86,594	3/4	75,520	3/4	64,446	3/4	53,372
8		8	141,734	8	130,660	8	119,586	8	108,512	8	97,438	8	86,364	8	75,290	8	64,215	8	53,141
1/4	1/4	1/4	141,503	1/4	130,429	1/4	119,355	1/4	108,281	1/4	97,207	1/4	86,133	1/4	75,059	1/4	63,985	1/4	52,911
1/2	1/2	1/2	141,273	1/2	130,199	1/2	119,124	1/2	108,050	1/2	96,976	1/2	85,902	1/2	74,828	1/2	63,754	1/2	52,680
3/4	3/4	3/4	141,042	3/4	129,968	3/4	118,894	3/4	107,820	3/4	96,746	3/4	85,671	3/4	74,597	3/4	63,523	3/4	52,449
9		9	140,811	9	129,737	9	118,663	9	107,589	9	96,515	9	85,441	9	74,367	9	63,293	9	52,219
1/4	1/4	1/4	140,580	1/4	129,506	1/4	118,432	1/4	107,358	1/4	96,284	1/4	85,210	1/4	74,136	1/4	63,062	1/4	51,988
1/2	1/2	1/2	140,350	1/2	129,276	1/2	118,202	1/2	107,128	1/2	96,053	1/2	84,979	1/2	73,905	1/2	62,831	1/2	51,757
3/4	3/4	3/4	140,119	3/4	129,045	3/4	117,971	3/4	106,897	3/4	95,823	3/4	84,749	3/4	73,675	3/4	62,600	3/4	51,526
10		10	139,888	10	128,814	10	117,740	10	106,666	10	95,592	10	84,518	10	73,444	10	62,370	10	51,296
1/4	1/4	1/4	139,658	1/4	128,584	1/4	117,509	1/4	106,435	1/4	95,361	1/4	84,287	1/4	73,213	1/4	62,139	1/4	51,065
1/2	1/2	1/2	139,427	1/2	128,353	1/2	117,279	1/2	106,205	1/2	95,131	1/2	84,057	1/2	72,982	1/2	61,908	1/2	50,834
3/4	3/4	3/4	139,196	3/4	128,122	3/4	117,048	3/4	105,974	3/4	94,900	3/4	83,826	3/4	72,752	3/4	61,678	3/4	50,604
11		11	138,966	11	127,891	11	116,817	11	105,743	11	94,669	11	83,595	11	72,521	11	61,447	11	50,373
1/4	1/4	1/4	138,735	1/4	127,661	1/4	116,587	1/4	105,513	1/4	94,438	1/4	83,364	1/4	72,290	1/4	61,216	1/4	50,142
1/2	1/2	1/2	138,504	1/2	127,430	1/2	116,356	1/2	105,282	1/2	94,208	1/2	83,134	1/2	72,060	1/2	60,986	1/2	49,911
3/4	3/4	3/4	138,273	3/4	127,199	3/4	116,125	3/4	105,051	3/4	93,977	3/4	82,903	3/4	71,829	3/4	60,755	3/4	49,681

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

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

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "IB 1069"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-07"

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	49,450	0	38,376	0	27,519	0	16,480	0	5,408	0		0		0		0		0	
1/4	49,219	1/4	38,145	1/4	27,295	1/4	16,250	1/4	5,177	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	48,989	1/2	37,915	1/2	27,071	1/2	16,019	1/2	4,947	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	48,758	3/4	37,684	3/4	26,846	3/4	15,788	3/4	4,717	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	48,527	1	37,453	1	26,622	1	15,558	1	4,487	1		1		1		1		1	
1/4	48,296	1/4	37,222	1/4	26,393	1/4	15,327	1/4	4,257	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	48,066	1/2	36,992	1/2	26,165	1/2	15,096	1/2	4,028	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	47,835	3/4	36,761	3/4	25,937	3/4	14,866	3/4	3,798	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	47,604	2	36,530	2	25,708	2	14,635	2	3,569	2		2		2		2		2	
1/4	47,374	1/4	36,300	1/4	25,478	1/4	14,404	1/4	3,340	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	47,143	1/2	36,069	1/2	25,247	1/2	14,173	1/2	3,112	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	46,912	3/4	35,838	3/4	25,016	3/4	13,943	3/4	2,883	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	46,682	3	35,607	3	24,786	3	13,712	3	2,655	3		3		3		3		3	
1/4	46,451	1/4	35,381	1/4	24,555	1/4	13,481	1/4	2,428	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	46,220	1/2	35,154	1/2	24,324	1/2	13,251	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	45,989	3/4	34,927	3/4	24,094	3/4	13,020	3/4	1,975	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	45,759	4	34,700	4	23,863	4	12,789	4	1,748	4		4		4		4		4	
1/4	45,528	1/4	34,476	1/4	23,632	1/4	12,558	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	45,297	1/2	34,251	1/2	23,401	1/2	12,328	1/2	1,339	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	45,067	3/4	34,027	3/4	23,171	3/4	12,097	3/4	1,134	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	44,836	5	33,802	5	22,940	5	11,866	5	929	5		5		5		5		5	
1/4	44,605	1/4	33,578	1/4	22,709	1/4	11,636	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	44,374	1/2	33,354	1/2	22,479	1/2	11,405	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	44,144	3/4	33,129	3/4	22,248	3/4	11,174	3/4	497	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	43,913	6	32,905	6	22,017	6	10,944	6	353	6		6		6		6		6	
1/4	43,682	1/4	32,680	1/4	21,787	1/4	10,713	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	43,452	1/2	32,456	1/2	21,556	1/2	10,482	1/2	219	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	43,221	3/4	32,232	3/4	21,325	3/4	10,251	3/4	151	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	42,990	7	32,007	7	21,094	7	10,021	7	84	7		7		7		7		7	
1/4	42,759	1/4	31,783	1/4	20,864	1/4	9,790	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	42,529	1/2	31,558	1/2	20,633	1/2	9,559	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	42,298	3/4	31,334	3/4	20,402	3/4	9,329	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	42,067	8	31,110	8	20,172	8	9,098	8		8		8		8		8		8	
1/4	41,837	1/4	30,885	1/4	19,941	1/4	8,867	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	41,606	1/2	30,661	1/2	19,710	1/2	8,637	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	41,375	3/4	30,436	3/4	19,480	3/4	8,406	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	41,144	9	30,212	9	19,249	9	8,175	9		9		9		9		9		9	
1/4	40,914	1/4	29,988	1/4	19,018	1/4	7,944	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	40,683	1/2	29,763	1/2	18,787	1/2	7,714	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	40,452	3/4	29,539	3/4	18,557	3/4	7,483	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	40,222	10	29,314	10	18,326	10	7,252	10		10		10		10		10		10	
1/4	39,991	1/4	29,090	1/4	18,095	1/4	7,022	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	39,760	1/2	28,866	1/2	17,865	1/2	6,791	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	39,529	3/4	28,641	3/4	17,634	3/4	6,560	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	39,299	11	28,417	11	17,403	11	6,330	11		11		11		11		11		11	
1/4	39,068	1/4	28,193	1/4	17,173	1/4	6,099	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	38,837	1/2	27,968	1/2	16,942	1/2	5,869	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	38,607	3/4	27,744	3/4	16,711	3/4	5,638	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: 09/19/2013 SW
CALCULATED: 09/20/2013 CL
PRINTED: 09/20/2013 CL

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ALL PRIOR TO 09/2013

PRECISION MEASUREMENT
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BARGE "IB 1069"

3 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	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0	145,954	0	136,247	0	125,263	0	114,278	0	103,293	0	92,308	0	81,323	0	70,338	0	59,354
1/4	1/4	145,899	136,019	135,790	124,805	113,820	102,835	91,850	80,866	69,881	58,896	47,911	36,926	25,941	14,956	4,971			
1/2	1/2	145,844	135,790	124,805	113,820	102,835	91,850	80,866	69,881	58,896	47,911	36,926	25,941	14,956	4,971				
3/4	3/4	145,789	135,561	124,576	113,591	102,606	91,622	80,637	69,652	58,667	47,682	36,701	25,716	14,726	4,741				
1		1	145,735	1	135,332	1	124,347	1	113,362	1	102,377	1	91,393	1	80,408	1	69,423	1	58,438
1/4	1/4	145,611	135,103	124,118	112,905	101,920	90,935	79,950	68,965	57,980	46,995	36,995	26,010	15,010	5,025				
1/2	1/2	145,487	134,874	123,889	112,676	101,691	90,706	79,721	68,736	57,752	46,767	36,782	26,010	15,010	5,025				
3/4	3/4	145,363	134,645	123,661	112,447	101,462	90,477	79,492	68,508	57,523	46,538	36,553	26,010	15,010	5,025				
2		2	145,239	2	134,417	2	123,432	2	112,447	2	101,462	2	90,477	2	79,492	2	68,508	2	57,523
1/4	1/4	145,045	134,188	123,203	112,218	101,233	90,248	79,264	68,279	57,294	46,309	36,319	26,010	15,010	5,025				
1/2	1/2	144,852	133,959	122,974	111,989	101,004	90,020	79,035	68,050	57,065	46,075	36,090	26,010	15,010	5,025				
3/4	3/4	144,658	133,730	122,745	111,760	100,776	89,791	78,806	67,821	56,836	45,856	35,881	26,010	15,010	5,025				
3		3	144,465	3	133,501	3	122,516	3	111,532	3	100,547	3	89,562	3	78,577	3	67,592	3	56,607
1/4	1/4	144,241	133,272	122,287	111,303	100,318	89,333	78,348	67,363	56,379	45,394	35,419	26,010	15,010	5,025				
1/2	1/2	144,016	133,043	122,059	111,074	100,089	89,104	78,119	67,135	56,150	45,165	35,190	26,010	15,010	5,025				
3/4	3/4	143,792	132,815	121,830	110,845	99,860	88,875	77,890	66,906	55,921	44,191	34,216	26,010	15,010	5,025				
4		4	143,568	4	132,586	4	121,601	4	110,616	4	99,631	4	88,646	4	77,662	4	66,677	4	55,692
1/4	1/4	143,340	132,357	121,372	110,387	99,402	88,418	77,433	66,448	55,463	44,478	34,013	26,010	15,010	5,025				
1/2	1/2	143,111	132,128	121,143	110,158	99,174	88,189	77,204	66,219	55,234	44,243	34,013	26,010	15,010	5,025				
3/4	3/4	142,883	131,899	120,914	109,930	98,945	87,960	76,975	65,990	55,005	44,017	34,013	26,010	15,010	5,025				
5		5	142,655	5	131,670	5	120,686	5	109,701	5	98,716	5	87,731	5	76,746	5	65,761	5	54,777
1/4	1/4	142,426	131,441	120,457	109,472	98,487	87,502	76,517	65,533	54,548	43,563	33,588	26,010	15,010	5,025				
1/2	1/2	142,197	131,213	120,228	109,243	98,258	87,273	76,289	65,304	54,319	43,337	33,342	26,010	15,010	5,025				
3/4	3/4	141,969	130,984	119,999	109,014	98,029	87,045	76,060	65,075	54,090	43,111	33,116	26,010	15,010	5,025				
6		6	141,740	6	130,755	6	119,770	6	108,785	6	97,800	6	86,816	6	75,831	6	64,846	6	53,861
1/4	1/4	141,511	130,526	119,541	108,556	97,572	86,587	75,602	64,617	53,632	42,647	32,672	26,010	15,010	5,025				
1/2	1/2	141,282	130,297	119,312	108,328	97,343	86,358	75,373	64,388	53,403	42,421	32,446	26,010	15,010	5,025				
3/4	3/4	141,053	130,068	119,084	108,099	97,114	86,129	75,144	64,159	53,175	42,195	32,220	26,010	15,010	5,025				
7		7	140,824	7	129,840	7	118,855	7	107,870	7	96,885	7	85,900	7	74,915	7	63,931	7	52,946
1/4	1/4	140,596	129,611	118,626	107,641	96,656	85,671	74,687	63,702	52,717	41,742	31,772	26,010	15,010	5,025				
1/2	1/2	140,367	129,382	118,397	107,412	96,427	85,442	74,458	63,473	52,488	41,516	31,546	26,010	15,010	5,025				
3/4	3/4	140,138	129,153	118,168	107,183	96,199	85,213	74,229	63,244	52,259	41,290	31,320	26,010	15,010	5,025				
8		8	139,909	8	128,924	8	117,939	8	106,954	8	95,970	8	84,985	8	74,000	8	63,015	8	52,030
1/4	1/4	139,680	128,695	117,710	106,726	95,741	84,756	73,771	62,786	51,802	40,817	30,872	26,010	15,010	5,025				
1/2	1/2	139,451	128,466	117,482	106,497	95,512	84,527	73,542	62,557	51,573	40,591	30,646	26,010	15,010	5,025				
3/4	3/4	139,222	128,238	117,253	106,268	95,283	84,298	73,313	62,329	51,344	40,365	30,420	26,010	15,010	5,025				
9		9	138,994	9	128,009	9	117,024	9	106,039	9	95,054	9	84,069	9	73,085	9	62,100	9	51,115
1/4	1/4	138,765	127,780	116,795	105,810	94,825	83,841	72,856	61,871	50,886	39,842	29,913	26,010	15,010	5,025				
1/2	1/2	138,536	127,551	116,566	105,581	94,597	83,612	72,627	61,642	50,657	39,616	29,687	26,010	15,010	5,025				
3/4	3/4	138,307	127,322	116,337	105,353	94,368	83,383	72,398	61,413	50,428	39,390	29,461	26,010	15,010	5,025				
10		10	138,078	10	127,093	10	116,109	10	105,124	10	94,139	10	83,154	10	72,169	10	61,184	10	50,200
1/4	1/4	137,849	126,864	115,880	104,895	93,910	82,925	71,940	60,956	49,971	38,943	28,994	26,010	15,010	5,025				
1/2	1/2	137,620	126,636	115,651	104,666	93,681	82,696	71,712	60,727	49,742	38,717	28,768	26,010	15,010	5,025				
3/4	3/4	137,392	126,407	115,422	104,437	93,452	82,467	71,483	60,498	49,513	38,491	28,541	26,010	15,010	5,025				
11		11	137,163	11	126,178	11	115,193	11	104,208	11	93,223	11	82,239	11	71,254	11	60,269	11	49,284
1/4	1/4	136,934	125,949	114,964	103,979	92,995	82,010	71,025	60,040	49,055	38,068	28,099	26,010	15,010	5,025				
1/2	1/2	136,705	125,720	114,735	103,751	92,766	81,781	70,796	59,811	48,826	37,842	28,099	26,010	15,010	5,025				
3/4	3/4	136,476	125,491	114,507	103,522	92,537	81,552	70,567	59,582	48,598	37,616	28,099	26,010	15,010	5,025				

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

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

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "IB 1069"

3 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	48,369	0	37,384	0	26,416	0	15,432	0	4,451	0		0		0		0		0	
1/4	48,140	1/4	37,155	1/4	26,187	1/4	15,204	1/4	4,223	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	47,911	1/2	36,926	1/2	25,959	1/2	14,975	1/2	3,996	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	47,682	3/4	36,697	3/4	25,730	3/4	14,746	3/4	3,768	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	47,453	1	36,469	1	25,501	1	14,517	1	3,540	1		1		1		1		1	
1/4	47,225	1/4	36,240	1/4	25,273	1/4	14,288	1/4	3,314	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	46,996	1/2	36,011	1/2	25,044	1/2	14,059	1/2	3,087	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	46,767	3/4	35,782	3/4	24,815	3/4	13,831	3/4	2,860	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	46,538	2	35,553	2	24,586	2	13,602	2	2,634	2		2		2		2		2	
1/4	46,309	1/4	35,325	1/4	24,357	1/4	13,373	1/4	2,409	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	46,080	1/2	35,096	1/2	24,128	1/2	13,144	1/2	2,184	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	45,851	3/4	34,867	3/4	23,900	3/4	12,915	3/4	1,959	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	45,623	3	34,639	3	23,671	3	12,686	3	1,734	3		3		3		3		3	
1/4	45,394	1/4	34,410	1/4	23,442	1/4	12,458	1/4	1,531	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	45,165	1/2	34,182	1/2	23,213	1/2	12,229	1/2	1,328	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	44,936	3/4	33,953	3/4	22,984	3/4	12,000	3/4	1,125	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	44,707	4	33,725	4	22,755	4	11,771	4	922	4		4		4		4		4	
1/4	44,478	1/4	33,496	1/4	22,527	1/4	11,542	1/4	779	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	44,249	1/2	33,268	1/2	22,298	1/2	11,313	1/2	636	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	44,021	3/4	33,040	3/4	22,069	3/4	11,084	3/4	493	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	43,792	5	32,811	5	21,840	5	10,856	5	351	5		5		5		5		5	
1/4	43,563	1/4	32,583	1/4	21,611	1/4	10,627	1/4	284	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	43,334	1/2	32,354	1/2	21,382	1/2	10,398	1/2	217	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	43,105	3/4	32,126	3/4	21,153	3/4	10,169	3/4	150	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	42,876	6	31,898	6	20,925	6	9,940	6	84	6		6		6		6		6	
1/4	42,648	1/4	31,669	1/4	20,696	1/4	9,711	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	42,419	1/2	31,441	1/2	20,467	1/2	9,483	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	42,190	3/4	31,212	3/4	20,238	3/4	9,254	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	41,961	7	30,984	7	20,009	7	9,025	7		7		7		7		7		7	
1/4	41,732	1/4	30,756	1/4	19,780	1/4	8,796	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	41,503	1/2	30,527	1/2	19,552	1/2	8,567	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	41,274	3/4	30,299	3/4	19,323	3/4	8,338	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	41,046	8	30,070	8	19,094	8	8,110	8		8		8		8		8		8	
1/4	40,817	1/4	29,842	1/4	18,865	1/4	7,881	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	40,588	1/2	29,614	1/2	18,636	1/2	7,652	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	40,359	3/4	29,385	3/4	18,407	3/4	7,423	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	40,130	9	29,157	9	18,179	9	7,194	9		9		9		9		9		9	
1/4	39,901	1/4	28,929	1/4	17,950	1/4	6,965	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	39,672	1/2	28,700	1/2	17,721	1/2	6,737	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	39,444	3/4	28,472	3/4	17,492	3/4	6,508	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	39,215	10	28,243	10	17,263	10	6,279	10		10		10		10		10		10	
1/4	38,986	1/4	28,015	1/4	17,034	1/4	6,050	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	38,757	1/2	27,787	1/2	16,805	1/2	5,822	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	38,528	3/4	27,558	3/4	16,577	3/4	5,593	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	38,299	11	27,330	11	16,348	11	5,364	11		11		11		11		11		11	
1/4	38,070	1/4	27,101	1/4	16,119	1/4	5,136	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	37,842	1/2	26,873	1/2	15,890	1/2	4,908	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	37,613	3/4	26,645	3/4	15,661	3/4	4,679	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: 09/19/2013 SW
CALCULATED: 09/20/2013 CL
PRINTED: 09/20/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2013

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