



BARGE "IB 1064"

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"

September 6, 2013

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "IB 1064"

1 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	158,558	0	149,316	0	138,680	0	128,044	0	116,865	0	104,425	0	91,986	0	79,546	0	67,114
1/4	1/4	158,520	149,094	148,873	138,459	127,823	116,606	104,166	91,727	79,286	66,856	1/2	158,482	148,056	137,420	126,203	114,763	103,546	92,329
1/2	1/2	158,443	148,017	137,451	126,234	114,767	103,550	92,333	81,116	69,899	58,682	3/4	158,405	147,979	137,413	126,196	114,725	103,508	92,291
1		1	158,302	148,208	137,572	126,936	115,570	103,129	90,690	78,250	65,821	1/4	158,200	147,986	137,351	126,715	115,310	102,870	90,431
1/4	1/4	158,200	147,986	137,351	126,715	115,310	102,870	90,431	77,991	65,563	53,304	1/2	158,097	147,765	137,129	126,493	115,051	102,611	90,172
1/2	1/2	158,097	147,765	137,129	126,493	115,051	102,611	90,172	77,731	65,304	53,046	3/4	157,995	147,543	136,907	126,272	114,792	102,352	89,912
2		2	157,813	147,322	136,686	126,050	114,533	102,093	89,653	77,213	64,787	1/4	157,813	147,322	136,686	126,050	114,533	102,093	89,653
1/4	1/4	157,813	147,322	136,686	126,050	114,533	102,093	89,653	77,213	64,787	52,528	1/2	157,632	147,100	136,464	125,828	114,274	101,834	89,394
1/2	1/2	157,632	147,100	136,464	125,828	114,274	101,834	89,394	76,954	64,528	52,270	3/4	157,450	146,879	136,243	125,607	114,014	101,574	89,135
3		3	157,269	146,657	136,021	125,385	113,755	101,315	88,876	76,436	64,011	1/4	157,269	146,657	136,021	125,385	113,755	101,315	88,876
1/4	1/4	157,269	146,657	136,021	125,385	113,755	101,315	88,876	76,436	64,011	51,999	1/2	157,052	146,435	135,800	125,164	113,496	101,056	88,617
1/2	1/2	157,052	146,435	135,800	125,164	113,496	101,056	88,617	76,176	63,753	51,728	3/4	156,836	146,214	135,578	124,942	113,237	100,797	88,357
4		4	156,620	145,992	135,356	124,721	112,978	100,538	88,098	75,658	63,236	1/4	156,620	145,992	135,356	124,721	112,978	100,538	88,098
1/4	1/4	156,620	145,992	135,356	124,721	112,978	100,538	88,098	75,658	63,236	51,466	1/2	156,404	145,771	135,135	124,499	112,719	100,279	87,839
1/2	1/2	156,404	145,771	135,135	124,499	112,719	100,279	87,839	75,399	62,977	51,200	3/4	156,183	145,549	134,913	124,277	112,459	100,020	87,580
5		5	155,520	144,884	134,249	123,613	111,682	99,242	86,802	74,362	61,943	1/4	155,520	144,884	134,249	123,613	111,682	99,242	86,802
1/4	1/4	155,520	144,884	134,249	123,613	111,682	99,242	86,802	74,362	61,943	51,000	1/2	155,298	144,663	134,027	123,391	111,423	98,983	86,543
1/2	1/2	155,298	144,663	134,027	123,391	111,423	98,983	86,543	74,103	61,684	50,728	3/4	155,077	144,441	133,805	123,170	111,164	98,724	86,284
6		6	154,634	144,220	133,584	122,948	110,904	98,465	86,025	73,585	61,167	1/4	154,634	144,220	133,584	122,948	110,904	98,465	86,025
1/4	1/4	154,634	144,220	133,584	122,948	110,904	98,465	86,025	73,585	61,167	50,466	1/2	154,412	143,776	133,141	122,505	110,386	97,946	85,507
1/2	1/2	154,412	143,776	133,141	122,505	110,386	97,946	85,507	73,066	60,650	50,200	3/4	154,191	143,555	132,919	122,283	110,127	97,687	85,247
7		7	153,748	143,333	132,697	122,062	109,868	97,428	84,988	72,548	60,132	1/4	153,748	143,333	132,697	122,062	109,868	97,428	84,988
1/4	1/4	153,748	143,333	132,697	122,062	109,868	97,428	84,988	72,548	60,132	50,000	1/2	153,526	142,890	132,254	121,619	109,349	96,910	84,470
1/2	1/2	153,526	142,890	132,254	121,619	109,349	96,910	84,470	72,030	59,614	49,728	3/4	153,304	142,669	132,033	121,398	109,090	96,651	84,211
8		8	152,861	142,447	131,811	121,176	108,831	96,392	83,952	71,511	59,096	1/4	152,861	142,447	131,811	121,176	108,831	96,392	83,952
1/4	1/4	152,861	142,447	131,811	121,176	108,831	96,392	83,952	71,511	59,096	49,466	1/2	152,640	142,004	131,368	120,710	108,313	95,873	83,433
1/2	1/2	152,640	142,004	131,368	120,710	108,313	95,873	83,433	70,993	58,578	49,200	3/4	152,418	141,782	131,146	120,465	108,054	95,614	83,174
9		9	151,975	141,339	130,703	119,975	107,535	95,096	82,656	70,217	57,801	1/4	151,975	141,339	130,703	119,975	107,535	95,096	82,656
1/4	1/4	151,975	141,339	130,703	119,975	107,535	95,096	82,656	70,217	57,801	49,000	1/2	151,753	141,117	130,482	119,716	107,276	94,837	82,396
1/2	1/2	151,753	141,117	130,482	119,716	107,276	94,837	82,396	69,958	57,542	48,728	3/4	151,532	140,896	130,260	119,457	107,017	94,578	82,137
10		10	151,089	140,673	130,038	119,198	106,758	94,318	81,878	69,441	57,023	1/4	151,089	140,673	130,038	119,198	106,758	94,318	81,878
1/4	1/4	151,089	140,673	130,038	119,198	106,758	94,318	81,878	69,441	57,023	48,466	1/2	150,867	140,451	129,816	118,939	106,499	94,059	81,619
1/2	1/2	150,867	140,451	129,816	118,939	106,499	94,059	81,619	69,183	56,764	48,200	3/4	150,645	140,230	129,595	118,680	106,239	93,800	81,360
11		11	150,202	139,788	129,152	118,161	105,721	93,282	80,841	68,407	55,987	1/4	150,202	139,788	129,152	118,161	105,721	93,282	80,841
1/4	1/4	150,202	139,788	129,152	118,161	105,721	93,282	80,841	68,407	55,987	48,000	1/2	150,125	139,711	129,075	118,085	105,645	93,206	80,766
1/2	1/2	150,125	139,711	129,075	118,085	105,645	93,206	80,766	68,330	55,911	47,728	3/4	149,981	139,565	128,931	117,902	105,462	93,023	80,582
12		12	149,981	139,345	128,931	117,902	105,462	93,023	80,582	68,148	55,728	1/4	149,981	139,345	128,931	117,902	105,462	93,023	80,582
1/4	1/4	149,981	139,345	128,931	117,902	105,462	93,023	80,582	68,148	55,728	47,466	1/2	149,759	139,123	128,709	117,643	105,203	92,763	80,323
1/2	1/2	149,759	139,123	128,709	117,643	105,203	92,763	80,323	67,890	55,469	47,200	3/4	149,538	138,902	128,487	117,384	104,944	92,504	80,064
13		13	149,538	138,902	128,266	117,125	104,684	92,245	79,805	67,373	54,951	1/4	149,538	138,902	128,266	117,125	104,684	92,245	79,805
1/4	1/4	149,538	138,902	128,266	117,125	104,684	92,245	79,805	67,373	54,951	47,000	1/2	149,316	138,680	127,903	116,865	104,425	91,986	79,546
1/2	1/2	149,316	138,680	127,903	116,865	104,425	91,986	79,546	66,856	54,682	46,728	3/4	149,094	138,459	127,681	116,606	104,166	91,727	79,286

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 1064"

1 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	54,692	0	42,258	0	30,064	0	17,633	0	5,191	0		0		0		0		0	
1/4	54,433	1/4	41,999	1/4	29,807	1/4	17,374	1/4	4,932	1/4		1/4		1/4		1/4		1/4	
1/2	54,174	1/2	41,740	1/2	29,551	1/2	17,115	1/2	4,674	1/2		1/2		1/2		1/2		1/2	
3/4	53,915	3/4	41,481	3/4	29,294	3/4	16,856	3/4	4,416	3/4		3/4		3/4		3/4		3/4	
1	53,656	1	41,222	1	29,037	1	16,596	1	4,157	1		1		1		1		1	
1/4	53,397	1/4	40,963	1/4	28,778	1/4	16,337	1/4	3,900	1/4		1/4		1/4		1/4		1/4	
1/2	53,138	1/2	40,704	1/2	28,519	1/2	16,078	1/2	3,643	1/2		1/2		1/2		1/2		1/2	
3/4	52,879	3/4	40,445	3/4	28,260	3/4	15,819	3/4	3,386	3/4		3/4		3/4		3/4		3/4	
2	52,620	2	40,186	2	28,000	2	15,560	2	3,128	2		2		2		2		2	
1/4	52,361	1/4	39,931	1/4	27,741	1/4	15,301	1/4	2,873	1/4		1/4		1/4		1/4		1/4	
1/2	52,102	1/2	39,675	1/2	27,482	1/2	15,041	1/2	2,618	1/2		1/2		1/2		1/2		1/2	
3/4	51,843	3/4	39,420	3/4	27,223	3/4	14,782	3/4	2,363	3/4		3/4		3/4		3/4		3/4	
3	51,584	3	39,165	3	26,964	3	14,523	3	2,108	3		3		3		3		3	
1/4	51,325	1/4	38,912	1/4	26,705	1/4	14,264	1/4	1,877	1/4		1/4		1/4		1/4		1/4	
1/2	51,066	1/2	38,659	1/2	26,445	1/2	14,005	1/2	1,647	1/2		1/2		1/2		1/2		1/2	
3/4	50,806	3/4	38,407	3/4	26,186	3/4	13,745	3/4	1,417	3/4		3/4		3/4		3/4		3/4	
4	50,547	4	38,154	4	25,927	4	13,486	4	1,186	4		4		4		4		4	
1/4	50,288	1/4	37,901	1/4	25,668	1/4	13,227	1/4	1,024	1/4		1/4		1/4		1/4		1/4	
1/2	50,029	1/2	37,648	1/2	25,409	1/2	12,968	1/2	862	1/2		1/2		1/2		1/2		1/2	
3/4	49,770	3/4	37,395	3/4	25,149	3/4	12,709	3/4	700	3/4		3/4		3/4		3/4		3/4	
5	49,511	5	37,143	5	24,890	5	12,450	5	538	5		5		5		5		5	
1/4	49,252	1/4	36,890	1/4	24,631	1/4	12,190	1/4	462	1/4		1/4		1/4		1/4		1/4	
1/2	48,993	1/2	36,637	1/2	24,372	1/2	11,931	1/2	386	1/2		1/2		1/2		1/2		1/2	
3/4	48,734	3/4	36,384	3/4	24,113	3/4	11,672	3/4	310	3/4		3/4		3/4		3/4		3/4	
6	48,475	6	36,131	6	23,854	6	11,413	6	235	6		6		6		6		6	
1/4	48,216	1/4	35,879	1/4	23,594	1/4	11,154	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	47,957	1/2	35,626	1/2	23,335	1/2	10,894	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	47,698	3/4	35,373	3/4	23,076	3/4	10,635	3/4		3/4		3/4		3/4		3/4		3/4	
7	47,439	7	35,120	7	22,817	7	10,376	7		7		7		7		7		7	
1/4	47,180	1/4	34,867	1/4	22,558	1/4	10,117	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	46,921	1/2	34,615	1/2	22,298	1/2	9,857	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	46,662	3/4	34,362	3/4	22,039	3/4	9,598	3/4		3/4		3/4		3/4		3/4		3/4	
8	46,403	8	34,109	8	21,780	8	9,339	8		8		8		8		8		8	
1/4	46,144	1/4	33,856	1/4	21,521	1/4	9,079	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	45,885	1/2	33,603	1/2	21,262	1/2	8,820	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	45,626	3/4	33,351	3/4	21,003	3/4	8,560	3/4		3/4		3/4		3/4		3/4		3/4	
9	45,367	9	33,098	9	20,743	9	8,301	9		9		9		9		9		9	
1/4	45,108	1/4	32,845	1/4	20,484	1/4	8,041	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	44,849	1/2	32,592	1/2	20,225	1/2	7,782	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	44,589	3/4	32,339	3/4	19,966	3/4	7,523	3/4		3/4		3/4		3/4		3/4		3/4	
10	44,330	10	32,087	10	19,707	10	7,264	10		10		10		10		10		10	
1/4	44,071	1/4	31,834	1/4	19,447	1/4	7,004	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	43,812	1/2	31,581	1/2	19,188	1/2	6,745	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	43,553	3/4	31,328	3/4	18,929	3/4	6,486	3/4		3/4		3/4		3/4		3/4		3/4	
11	43,294	11	31,075	11	18,670	11	6,227	11		11		11		11		11		11	
1/4	43,035	1/4	30,823	1/4	18,411	1/4	5,968	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	42,776	1/2	30,570	1/2	18,152	1/2	5,709	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	42,517	3/4	30,317	3/4	17,892	3/4	5,450	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/05/2013 SW
CALCULATED: 09/06/2013 CL
PRINTED: 09/06/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
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BARGE "IB 1064"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-06 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		0	137,722	0	126,637	0	115,551	0	104,466	0	93,380	0	82,295	0	71,210	0	60,124
1/4		1/4		1/4	137,491	1/4	126,406	1/4	115,320	1/4	104,235	1/4	93,150	1/4	82,064	1/4	70,979	1/4	59,893
1/2		1/2	147,056	1/2	137,260	1/2	126,175	1/2	115,089	1/2	104,004	1/2	92,919	1/2	81,833	1/2	70,748	1/2	59,662
3/4		3/4	147,000	3/4	137,029	3/4	125,944	3/4	114,858	3/4	103,773	3/4	92,688	3/4	81,602	3/4	70,517	3/4	59,431
1		1	146,945	1	136,798	1	125,713	1	114,628	1	103,542	1	92,457	1	81,371	1	70,286	1	59,200
1/4		1/4	146,890	1/4	136,567	1/4	125,482	1/4	114,397	1/4	103,311	1/4	92,226	1/4	81,140	1/4	70,055	1/4	58,969
1/2		1/2	146,834	1/2	136,336	1/2	125,251	1/2	114,166	1/2	103,080	1/2	91,995	1/2	80,909	1/2	69,824	1/2	58,739
3/4		3/4	146,709	3/4	136,106	3/4	125,020	3/4	113,935	3/4	102,849	3/4	91,764	3/4	80,678	3/4	69,593	3/4	58,508
2		2	146,584	2	135,875	2	124,789	2	113,704	2	102,618	2	91,533	2	80,447	2	69,362	2	58,277
1/4		1/4	146,459	1/4	135,644	1/4	124,558	1/4	113,473	1/4	102,387	1/4	91,302	1/4	80,217	1/4	69,131	1/4	58,046
1/2		1/2	146,334	1/2	135,413	1/2	124,327	1/2	113,242	1/2	102,156	1/2	91,071	1/2	79,986	1/2	68,900	1/2	57,815
3/4		3/4	146,139	3/4	135,182	3/4	124,096	3/4	113,011	3/4	101,925	3/4	90,840	3/4	79,755	3/4	68,669	3/4	57,584
3		3	145,943	3	134,951	3	123,865	3	112,780	3	101,695	3	90,609	3	79,524	3	68,438	3	57,353
1/4		1/4	145,748	1/4	134,720	1/4	123,634	1/4	112,549	1/4	101,464	1/4	90,378	1/4	79,293	1/4	68,207	1/4	57,122
1/2		1/2	145,553	1/2	134,489	1/2	123,403	1/2	112,318	1/2	101,233	1/2	90,147	1/2	79,062	1/2	67,976	1/2	56,891
3/4		3/4	145,327	3/4	134,258	3/4	123,173	3/4	112,087	3/4	101,002	3/4	89,916	3/4	78,831	3/4	67,745	3/4	56,660
4		4	145,101	4	134,027	4	122,942	4	111,856	4	100,771	4	89,685	4	78,600	4	67,514	4	56,429
1/4		1/4	144,874	1/4	133,796	1/4	122,711	1/4	111,625	1/4	100,540	1/4	89,454	1/4	78,369	1/4	67,284	1/4	56,198
1/2		1/2	144,648	1/2	133,565	1/2	122,480	1/2	111,394	1/2	100,309	1/2	89,223	1/2	78,138	1/2	67,053	1/2	55,967
3/4		3/4	144,418	3/4	133,334	3/4	122,249	3/4	111,163	3/4	100,078	3/4	88,992	3/4	77,907	3/4	66,822	3/4	55,736
5		5	144,187	5	133,103	5	122,018	5	110,932	5	99,847	5	88,762	5	77,676	5	66,591	5	55,505
1/4		1/4	143,957	1/4	132,872	1/4	121,787	1/4	110,701	1/4	99,616	1/4	88,531	1/4	77,445	1/4	66,360	1/4	55,274
1/2		1/2	143,726	1/2	132,641	1/2	121,556	1/2	110,471	1/2	99,385	1/2	88,300	1/2	77,214	1/2	66,129	1/2	55,043
3/4		3/4	143,496	3/4	132,410	3/4	121,325	3/4	110,240	3/4	99,154	3/4	88,069	3/4	76,983	3/4	65,898	3/4	54,812
6		6	143,265	6	132,179	6	121,094	6	110,009	6	98,923	6	87,838	6	76,752	6	65,667	6	54,582
1/4		1/4	143,034	1/4	131,949	1/4	120,863	1/4	109,778	1/4	98,692	1/4	87,607	1/4	76,521	1/4	65,436	1/4	54,351
1/2		1/2	142,803	1/2	131,718	1/2	120,632	1/2	109,547	1/2	98,461	1/2	87,376	1/2	76,290	1/2	65,205	1/2	54,120
3/4		3/4	142,572	3/4	131,487	3/4	120,401	3/4	109,316	3/4	98,230	3/4	87,145	3/4	76,060	3/4	64,974	3/4	53,889
7		7	142,341	7	131,256	7	120,170	7	109,085	7	97,999	7	86,914	7	75,829	7	64,743	7	53,658
1/4		1/4	142,110	1/4	131,025	1/4	119,939	1/4	108,854	1/4	97,768	1/4	86,683	1/4	75,598	1/4	64,512	1/4	53,427
1/2		1/2	141,879	1/2	130,794	1/2	119,708	1/2	108,623	1/2	97,538	1/2	86,452	1/2	75,367	1/2	64,281	1/2	53,196
3/4		3/4	141,648	3/4	130,563	3/4	119,477	3/4	108,392	3/4	97,307	3/4	86,221	3/4	75,136	3/4	64,050	3/4	52,965
8		8	141,417	8	130,332	8	119,246	8	108,161	8	97,076	8	85,990	8	74,905	8	63,819	8	52,734
1/4		1/4	141,186	1/4	130,101	1/4	119,016	1/4	107,930	1/4	96,845	1/4	85,759	1/4	74,674	1/4	63,588	1/4	52,503
1/2		1/2	140,955	1/2	129,870	1/2	118,785	1/2	107,699	1/2	96,614	1/2	85,528	1/2	74,443	1/2	63,357	1/2	52,272
3/4		3/4	140,724	3/4	129,639	3/4	118,554	3/4	107,468	3/4	96,383	3/4	85,297	3/4	74,212	3/4	63,127	3/4	52,041
9		9	140,494	9	129,408	9	118,323	9	107,237	9	96,152	9	85,066	9	73,981	9	62,896	9	51,810
1/4		1/4	140,263	1/4	129,177	1/4	118,092	1/4	107,006	1/4	95,921	1/4	84,835	1/4	73,750	1/4	62,665	1/4	51,579
1/2		1/2	140,032	1/2	128,946	1/2	117,861	1/2	106,775	1/2	95,690	1/2	84,605	1/2	73,519	1/2	62,434	1/2	51,348
3/4		3/4	139,801	3/4	128,715	3/4	117,630	3/4	106,544	3/4	95,459	3/4	84,374	3/4	73,288	3/4	62,203	3/4	51,117
10		10	139,570	10	128,484	10	117,399	10	106,313	10	95,228	10	84,143	10	73,057	10	61,972	10	50,886
1/4		1/4	139,339	1/4	128,253	1/4	117,168	1/4	106,083	1/4	94,997	1/4	83,912	1/4	72,826	1/4	61,741	1/4	50,655
1/2		1/2	139,108	1/2	128,022	1/2	116,937	1/2	105,852	1/2	94,766	1/2	83,681	1/2	72,595	1/2	61,510	1/2	50,424
3/4		3/4	138,877	3/4	127,791	3/4	116,706	3/4	105,621	3/4	94,535	3/4	83,450	3/4	72,364	3/4	61,279	3/4	50,194
11		11	138,646	11	127,561	11	116,475	11	105,390	11	94,304	11	83,219	11	72,133	11	61,048	11	49,963
1/4		1/4	138,415	1/4	127,330	1/4	116,244	1/4	105,159	1/4	94,073	1/4	82,988	1/4	71,902	1/4	60,817	1/4	49,732
1/2		1/2	138,184	1/2	127,099	1/2	116,013	1/2	104,928	1/2	93,842	1/2	82,757	1/2	71,672	1/2	60,586	1/2	49,501
3/4		3/4	137,953	3/4	126,868	3/4	115,782	3/4	104,697	3/4	93,611	3/4	82,526	3/4	71,441	3/4	60,355	3/4	49,270

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 1064"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-06 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	49,039	0	37,953	0	27,098	0	16,035	0	4,952	0		0		0		0		0	
1/4	48,808	1/4	37,722	1/4	26,874	1/4	15,804	1/4	4,722	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	48,577	1/2	37,491	1/2	26,649	1/2	15,574	1/2	4,492	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	48,346	3/4	37,261	3/4	26,420	3/4	15,343	3/4	4,262	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	48,115	1	37,030	1	26,192	1	15,112	1	4,032	1		1		1		1		1	
1/4	47,884	1/4	36,799	1/4	25,963	1/4	14,881	1/4	3,802	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	47,653	1/2	36,568	1/2	25,735	1/2	14,650	1/2	3,573	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	47,422	3/4	36,337	3/4	25,504	3/4	14,419	3/4	3,344	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	47,191	2	36,106	2	25,273	2	14,188	2	3,115	2		2		2		2		2	
1/4	46,960	1/4	35,875	1/4	25,042	1/4	13,957	1/4	2,886	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	46,729	1/2	35,644	1/2	24,811	1/2	13,726	1/2	2,658	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	46,498	3/4	35,417	3/4	24,580	3/4	13,495	3/4	2,431	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	46,267	3	35,190	3	24,349	3	13,264	3	2,204	3		3		3		3		3	
1/4	46,036	1/4	34,963	1/4	24,118	1/4	13,033	1/4	1,977	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	45,806	1/2	34,736	1/2	23,887	1/2	12,802	1/2	1,750	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	45,575	3/4	34,511	3/4	23,656	3/4	12,571	3/4	1,545	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	45,344	4	34,286	4	23,425	4	12,340	4	1,340	4		4		4		4		4	
1/4	45,113	1/4	34,062	1/4	23,194	1/4	12,109	1/4	1,135	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	44,882	1/2	33,837	1/2	22,964	1/2	11,879	1/2	930	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	44,651	3/4	33,612	3/4	22,733	3/4	11,648	3/4	786	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	44,420	5	33,388	5	22,502	5	11,417	5	642	5		5		5		5		5	
1/4	44,189	1/4	33,163	1/4	22,271	1/4	11,186	1/4	498	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	43,958	1/2	32,938	1/2	22,040	1/2	10,955	1/2	353	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	43,727	3/4	32,714	3/4	21,809	3/4	10,724	3/4	286	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	43,496	6	32,489	6	21,578	6	10,493	6	219	6		6		6		6		6	
1/4	43,265	1/4	32,265	1/4	21,347	1/4	10,262	1/4	151	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	43,034	1/2	32,040	1/2	21,116	1/2	10,031	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	42,803	3/4	31,815	3/4	20,885	3/4	9,800	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	42,572	7	31,591	7	20,654	7	9,569	7		7		7		7		7		7	
1/4	42,341	1/4	31,366	1/4	20,423	1/4	9,338	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	42,110	1/2	31,141	1/2	20,192	1/2	9,107	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	41,879	3/4	30,917	3/4	19,961	3/4	8,876	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	41,649	8	30,692	8	19,730	8	8,645	8		8		8		8		8		8	
1/4	41,418	1/4	30,468	1/4	19,499	1/4	8,414	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	41,187	1/2	30,243	1/2	19,269	1/2	8,184	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	40,956	3/4	30,018	3/4	19,038	3/4	7,953	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	40,725	9	29,794	9	18,807	9	7,722	9		9		9		9		9		9	
1/4	40,494	1/4	29,569	1/4	18,576	1/4	7,491	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	40,263	1/2	29,345	1/2	18,345	1/2	7,260	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	40,032	3/4	29,120	3/4	18,114	3/4	7,029	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	39,801	10	28,895	10	17,883	10	6,798	10		10		10		10		10		10	
1/4	39,570	1/4	28,671	1/4	17,652	1/4	6,567	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	39,339	1/2	28,446	1/2	17,421	1/2	6,336	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	39,108	3/4	28,221	3/4	17,190	3/4	6,105	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	38,877	11	27,997	11	16,959	11	5,875	11		11		11		11		11		11	
1/4	38,646	1/4	27,772	1/4	16,728	1/4	5,644	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	38,415	1/2	27,548	1/2	16,497	1/2	5,413	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	38,184	3/4	27,323	3/4	16,266	3/4	5,183	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: 09/05/2013 SW
CALCULATED: 09/06/2013 CL
PRINTED: 09/06/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
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BARGE "IB 1064"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-05 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0	145,848	0	135,971	0	124,990	0	114,009	0	103,028	0	92,047	0	81,066	0	70,085	0	59,104
1/4	1/4	1/4	145,793	1/4	135,742	1/4	124,761	1/4	113,780	1/4	102,799	1/4	91,818	1/4	80,837	1/4	69,856	1/4	58,875
1/2	1/2	1/2	145,739	1/2	135,514	1/2	124,533	1/2	113,552	1/2	102,571	1/2	91,590	1/2	80,609	1/2	69,628	1/2	58,647
3/4	3/4	3/4	145,684	3/4	135,285	3/4	124,304	3/4	113,323	3/4	102,342	3/4	91,361	3/4	80,380	3/4	69,399	3/4	58,418
1		1	145,560	1	135,056	1	124,075	1	113,094	1	102,113	1	91,132	1	80,151	1	69,170	1	58,189
1/4	1/4	1/4	145,436	1/4	134,827	1/4	123,846	1/4	112,865	1/4	101,884	1/4	90,903	1/4	79,922	1/4	68,941	1/4	57,960
1/2	1/2	1/2	145,312	1/2	134,598	1/2	123,617	1/2	112,636	1/2	101,655	1/2	90,674	1/2	79,693	1/2	68,713	1/2	57,732
3/4	3/4	3/4	145,188	3/4	134,370	3/4	123,389	3/4	112,408	3/4	101,427	3/4	90,446	3/4	79,465	3/4	68,484	3/4	57,503
2		2	144,995	2	134,141	2	123,160	2	112,179	2	101,198	2	90,217	2	79,236	2	68,255	2	57,274
1/4	1/4	1/4	144,801	1/4	133,912	1/4	122,931	1/4	111,950	1/4	100,969	1/4	89,988	1/4	79,007	1/4	68,026	1/4	57,045
1/2	1/2	1/2	144,608	1/2	133,683	1/2	122,702	1/2	111,721	1/2	100,740	1/2	89,759	1/2	78,778	1/2	67,797	1/2	56,816
3/4	3/4	3/4	144,414	3/4	133,455	3/4	122,474	3/4	111,493	3/4	100,512	3/4	89,531	3/4	78,550	3/4	67,569	3/4	56,588
3		3	144,190	3	133,226	3	122,245	3	111,264	3	100,283	3	89,302	3	78,321	3	67,340	3	56,359
1/4	1/4	1/4	143,966	1/4	132,997	1/4	122,016	1/4	111,035	1/4	100,054	1/4	89,073	1/4	78,092	1/4	67,111	1/4	56,130
1/2	1/2	1/2	143,742	1/2	132,768	1/2	121,787	1/2	110,806	1/2	99,825	1/2	88,844	1/2	77,863	1/2	66,882	1/2	55,901
3/4	3/4	3/4	143,518	3/4	132,540	3/4	121,559	3/4	110,578	3/4	99,597	3/4	88,616	3/4	77,635	3/4	66,654	3/4	55,673
4		4	143,290	4	132,311	4	121,330	4	110,349	4	99,368	4	88,387	4	77,406	4	66,425	4	55,444
1/4	1/4	1/4	143,062	1/4	132,082	1/4	121,101	1/4	110,120	1/4	99,139	1/4	88,158	1/4	77,177	1/4	66,196	1/4	55,215
1/2	1/2	1/2	142,833	1/2	131,853	1/2	120,872	1/2	109,891	1/2	98,910	1/2	87,929	1/2	76,948	1/2	65,967	1/2	54,986
3/4	3/4	3/4	142,605	3/4	131,624	3/4	120,643	3/4	109,662	3/4	98,681	3/4	87,700	3/4	76,719	3/4	65,738	3/4	54,757
5		5	142,376	5	131,396	5	120,415	5	109,434	5	98,453	5	87,472	5	76,491	5	65,510	5	54,529
1/4	1/4	1/4	142,148	1/4	131,167	1/4	120,186	1/4	109,205	1/4	98,224	1/4	87,243	1/4	76,262	1/4	65,281	1/4	54,300
1/2	1/2	1/2	141,919	1/2	130,938	1/2	119,957	1/2	108,976	1/2	97,995	1/2	87,014	1/2	76,033	1/2	65,052	1/2	54,071
3/4	3/4	3/4	141,690	3/4	130,709	3/4	119,728	3/4	108,747	3/4	97,766	3/4	86,785	3/4	75,804	3/4	64,823	3/4	53,842
6		6	141,462	6	130,481	6	119,500	6	108,519	6	97,538	6	86,557	6	75,576	6	64,595	6	53,614
1/4	1/4	1/4	141,233	1/4	130,252	1/4	119,271	1/4	108,290	1/4	97,309	1/4	86,328	1/4	75,347	1/4	64,366	1/4	53,385
1/2	1/2	1/2	141,004	1/2	130,023	1/2	119,042	1/2	108,061	1/2	97,080	1/2	86,099	1/2	75,118	1/2	64,137	1/2	53,156
3/4	3/4	3/4	140,775	3/4	129,794	3/4	118,813	3/4	107,832	3/4	96,851	3/4	85,870	3/4	74,889	3/4	63,908	3/4	52,927
7		7	140,547	7	129,566	7	118,585	7	107,604	7	96,623	7	85,642	7	74,661	7	63,680	7	52,699
1/4	1/4	1/4	140,318	1/4	129,337	1/4	118,356	1/4	107,375	1/4	96,394	1/4	85,413	1/4	74,432	1/4	63,451	1/4	52,470
1/2	1/2	1/2	140,089	1/2	129,108	1/2	118,127	1/2	107,146	1/2	96,165	1/2	85,184	1/2	74,203	1/2	63,222	1/2	52,241
3/4	3/4	3/4	139,860	3/4	128,879	3/4	117,898	3/4	106,917	3/4	95,936	3/4	84,955	3/4	73,974	3/4	62,993	3/4	52,012
8		8	139,631	8	128,650	8	117,669	8	106,688	8	95,707	8	84,726	8	73,745	8	62,764	8	51,783
1/4	1/4	1/4	139,403	1/4	128,422	1/4	117,441	1/4	106,460	1/4	95,479	1/4	84,498	1/4	73,517	1/4	62,536	1/4	51,555
1/2	1/2	1/2	139,174	1/2	128,193	1/2	117,212	1/2	106,231	1/2	95,250	1/2	84,269	1/2	73,288	1/2	62,307	1/2	51,326
3/4	3/4	3/4	138,945	3/4	127,964	3/4	116,983	3/4	106,002	3/4	95,019	3/4	84,040	3/4	73,059	3/4	62,078	3/4	51,097
9		9	138,716	9	127,735	9	116,754	9	105,773	9	94,792	9	83,811	9	72,830	9	61,849	9	50,868
1/4	1/4	1/4	138,488	1/4	127,507	1/4	116,526	1/4	105,545	1/4	94,564	1/4	83,583	1/4	72,602	1/4	61,621	1/4	50,640
1/2	1/2	1/2	138,259	1/2	127,278	1/2	116,297	1/2	105,316	1/2	94,335	1/2	83,354	1/2	72,373	1/2	61,392	1/2	50,411
3/4	3/4	3/4	138,030	3/4	127,049	3/4	116,068	3/4	105,087	3/4	94,106	3/4	83,125	3/4	72,144	3/4	61,163	3/4	50,182
10		10	137,801	10	126,820	10	115,839	10	104,858	10	93,877	10	82,896	10	71,915	10	60,934	10	49,953
1/4	1/4	1/4	137,572	1/4	126,591	1/4	115,610	1/4	104,630	1/4	93,649	1/4	82,668	1/4	71,687	1/4	60,706	1/4	49,725
1/2	1/2	1/2	137,344	1/2	126,363	1/2	115,382	1/2	104,401	1/2	93,420	1/2	82,439	1/2	71,458	1/2	60,477	1/2	49,496
3/4	3/4	3/4	137,115	3/4	126,134	3/4	115,153	3/4	104,172	3/4	93,191	3/4	82,210	3/4	71,229	3/4	60,248	3/4	49,267
11		11	136,886	11	125,905	11	114,924	11	103,943	11	92,962	11	81,981	11	71,000	11	60,019	11	49,038
1/4	1/4	1/4	136,657	1/4	125,676	1/4	114,695	1/4	103,714	1/4	92,733	1/4	81,752	1/4	70,771	1/4	59,790	1/4	48,809
1/2	1/2	1/2	136,429	1/2	125,448	1/2	114,467	1/2	103,486	1/2	92,505	1/2	81,524	1/2	70,543	1/2	59,562	1/2	48,581
3/4	3/4	3/4	145,903	3/4	136,200	3/4	125,219	3/4	114,238	3/4	103,257	3/4	92,276	3/4	81,295	3/4	70,314	3/4	48,352

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 1064"

3 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	48,123	0	37,142	0	26,178	0	15,198	0	4,222	0		0		0		0		0	
1/4	47,894	1/4	36,913	1/4	25,950	1/4	14,970	1/4	3,994	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	47,666	1/2	36,685	1/2	25,721	1/2	14,741	1/2	3,767	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	47,437	3/4	36,456	3/4	25,493	3/4	14,512	3/4	3,539	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	47,208	1	36,227	1	25,264	1	14,283	1	3,313	1		1		1		1		1	
1/4	46,979	1/4	35,998	1/4	25,035	1/4	14,054	1/4	3,086	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	46,751	1/2	35,770	1/2	24,806	1/2	13,826	1/2	2,859	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	46,522	3/4	35,541	3/4	24,578	3/4	13,597	3/4	2,633	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	46,293	2	35,312	2	24,349	2	13,368	2	2,408	2		2		2		2		2	
1/4	46,064	1/4	35,084	1/4	24,120	1/4	13,139	1/4	2,183	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	45,835	1/2	34,855	1/2	23,891	1/2	12,911	1/2	1,958	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	45,607	3/4	34,627	3/4	23,662	3/4	12,682	3/4	1,734	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	45,378	3	34,398	3	23,434	3	12,453	3	1,531	3		3		3		3		3	
1/4	45,149	1/4	34,170	1/4	23,205	1/4	12,224	1/4	1,328	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	44,920	1/2	33,942	1/2	22,976	1/2	11,996	1/2	1,125	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	44,692	3/4	33,713	3/4	22,747	3/4	11,767	3/4	922	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	44,463	4	33,485	4	22,519	4	11,538	4	779	4		4		4		4		4	
1/4	44,234	1/4	33,256	1/4	22,290	1/4	11,309	1/4	636	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	44,005	1/2	33,028	1/2	22,061	1/2	11,081	1/2	493	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	43,776	3/4	32,800	3/4	21,832	3/4	10,852	3/4	350	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	43,548	5	32,571	5	21,604	5	10,623	5	284	5		5		5		5		5	
1/4	43,319	1/4	32,343	1/4	21,375	1/4	10,394	1/4	217	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	43,090	1/2	32,115	1/2	21,146	1/2	10,166	1/2	150	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	42,861	3/4	31,887	3/4	20,917	3/4	9,937	3/4	84	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	42,633	6	31,658	6	20,689	6	9,708	6		6		6		6		6		6	
1/4	42,404	1/4	31,430	1/4	20,460	1/4	9,479	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	42,175	1/2	31,202	1/2	20,231	1/2	9,251	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	41,946	3/4	30,973	3/4	20,002	3/4	9,022	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	41,718	7	30,745	7	19,774	7	8,793	7		7		7		7		7		7	
1/4	41,489	1/4	30,517	1/4	19,545	1/4	8,564	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	41,260	1/2	30,288	1/2	19,316	1/2	8,335	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	41,031	3/4	30,060	3/4	19,087	3/4	8,107	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	40,802	8	29,832	8	18,858	8	7,878	8		8		8		8		8		8	
1/4	40,574	1/4	29,603	1/4	18,630	1/4	7,649	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	40,345	1/2	29,375	1/2	18,401	1/2	7,420	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	40,116	3/4	29,147	3/4	18,172	3/4	7,192	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	39,887	9	28,918	9	17,943	9	6,963	9		9		9		9		9		9	
1/4	39,659	1/4	28,690	1/4	17,715	1/4	6,734	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	39,430	1/2	28,462	1/2	17,486	1/2	6,506	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	39,201	3/4	28,233	3/4	17,257	3/4	6,277	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	38,972	10	28,005	10	17,028	10	6,048	10		10		10		10		10		10	
1/4	38,744	1/4	27,777	1/4	16,800	1/4	5,820	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	38,515	1/2	27,549	1/2	16,571	1/2	5,591	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	38,286	3/4	27,320	3/4	16,342	3/4	5,362	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	38,057	11	27,092	11	16,113	11	5,134	11		11		11		11		11		11	
1/4	37,828	1/4	26,864	1/4	15,885	1/4	4,906	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	37,600	1/2	26,635	1/2	15,656	1/2	4,678	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	37,371	3/4	26,407	3/4	15,427	3/4	4,449	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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CALCULATED: 09/06/2013 CL
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CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2013

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