



BARGE "IB 1940"

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	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
2 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
3 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	00-1/2	- 00-1/2

(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 - 00-1/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 CENTER, THE TRIM CORRECTED ULLAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 182'-06"

September 27, 2013

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "IB 1940"

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	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0	159,035	0	150,886	0	141,336	0	131,787	0	121,222	0	108,303	0	95,385	0	82,467	0	69,557
1/4	1/4	159,014	1/4	150,687	1/4	141,137	1/4	131,588	1/4	120,953	1/4	108,034	1/4	95,116	1/4	82,197	1/4	69,288	1/4
1/2	1/2	158,994	1/2	150,488	1/2	140,938	1/2	131,389	1/2	120,684	1/2	107,765	1/2	94,847	1/2	81,928	1/2	69,019	1/2
3/4	3/4	158,973	3/4	150,289	3/4	140,740	3/4	131,190	3/4	120,415	3/4	107,496	3/4	94,578	3/4	81,659	3/4	68,751	3/4
1		1	158,953	1	150,090	1	140,541	1	130,991	1	120,146	1	107,227	1	94,309	1	81,390	1	68,482
1/4	1/4	158,878	1/4	149,891	1/4	140,342	1/4	130,792	1/4	119,876	1/4	106,958	1/4	94,040	1/4	81,121	1/4	68,214	1/4
1/2	1/2	158,802	1/2	149,692	1/2	140,143	1/2	130,594	1/2	119,607	1/2	106,689	1/2	93,771	1/2	80,852	1/2	67,945	1/2
3/4	3/4	158,727	3/4	149,493	3/4	139,944	3/4	130,395	3/4	119,338	3/4	106,419	3/4	93,501	3/4	80,583	3/4	67,677	3/4
2		2	158,652	2	149,294	2	139,745	2	130,196	2	119,069	2	106,150	2	93,232	2	80,313	2	67,408
1/4	1/4	158,494	1/4	149,095	1/4	139,546	1/4	129,997	1/4	118,800	1/4	105,881	1/4	92,963	1/4	80,044	1/4	67,140	1/4
1/2	1/2	158,337	1/2	148,896	1/2	139,347	1/2	129,798	1/2	118,531	1/2	105,612	1/2	92,694	1/2	79,775	1/2	66,871	1/2
3/4	3/4	158,180	3/4	148,697	3/4	139,148	3/4	129,599	3/4	118,262	3/4	105,343	3/4	92,425	3/4	79,506	3/4	66,603	3/4
3		3	158,022	3	148,498	3	138,949	3	129,400	3	117,992	3	105,074	3	92,156	3	79,237	3	66,334
1/4	1/4	157,829	1/4	148,299	1/4	138,750	1/4	129,201	1/4	117,723	1/4	104,805	1/4	91,887	1/4	78,968	1/4	66,066	1/4
1/2	1/2	157,636	1/2	148,100	1/2	138,551	1/2	129,002	1/2	117,454	1/2	104,536	1/2	91,617	1/2	78,699	1/2	65,797	1/2
3/4	3/4	157,442	3/4	147,901	3/4	138,352	3/4	128,803	3/4	117,185	3/4	104,266	3/4	91,348	3/4	78,430	3/4	65,528	3/4
4		4	157,249	4	147,703	4	138,153	4	128,604	4	116,916	4	103,997	4	91,079	4	78,160	4	65,260
1/4	1/4	157,051	1/4	147,504	1/4	137,954	1/4	128,405	1/4	116,647	1/4	103,728	1/4	90,810	1/4	77,891	1/4	64,991	1/4
1/2	1/2	156,852	1/2	147,305	1/2	137,755	1/2	128,206	1/2	116,378	1/2	103,459	1/2	90,541	1/2	77,622	1/2	64,723	1/2
3/4	3/4	156,654	3/4	147,106	3/4	137,556	3/4	128,007	3/4	116,108	3/4	103,190	3/4	90,272	3/4	77,353	3/4	64,454	3/4
5		5	156,456	5	146,907	5	137,358	5	127,808	5	115,839	5	102,921	5	90,003	5	77,084	5	64,186
1/4	1/4	156,257	1/4	146,708	1/4	137,159	1/4	127,609	1/4	115,570	1/4	102,652	1/4	89,733	1/4	76,815	1/4	63,917	1/4
1/2	1/2	156,058	1/2	146,509	1/2	136,960	1/2	127,410	1/2	115,301	1/2	102,383	1/2	89,464	1/2	76,546	1/2	63,649	1/2
3/4	3/4	155,859	3/4	146,310	3/4	136,761	3/4	127,212	3/4	115,032	3/4	102,114	3/4	89,195	3/4	76,276	3/4	63,380	3/4
6		6	155,660	6	146,111	6	136,562	6	127,013	6	114,763	6	101,844	6	88,926	6	76,007	6	63,112
1/4	1/4	155,461	1/4	145,912	1/4	136,363	1/4	126,814	1/4	114,494	1/4	101,575	1/4	88,657	1/4	75,738	1/4	62,843	1/4
1/2	1/2	155,262	1/2	145,713	1/2	136,164	1/2	126,615	1/2	114,224	1/2	101,306	1/2	88,388	1/2	75,469	1/2	62,574	1/2
3/4	3/4	155,063	3/4	145,514	3/4	135,965	3/4	126,416	3/4	113,955	3/4	101,037	3/4	88,119	3/4	75,200	3/4	62,305	3/4
7		7	154,864	7	145,315	7	135,766	7	126,217	7	113,686	7	100,768	7	87,849	7	74,931	7	62,036
1/4	1/4	154,665	1/4	145,116	1/4	135,567	1/4	126,018	1/4	113,417	1/4	100,499	1/4	87,580	1/4	74,662	1/4	61,767	1/4
1/2	1/2	154,467	1/2	144,917	1/2	135,368	1/2	125,820	1/2	113,148	1/2	100,230	1/2	87,311	1/2	74,392	1/2	61,498	1/2
3/4	3/4	154,268	3/4	144,718	3/4	135,169	3/4	125,621	3/4	112,879	3/4	99,961	3/4	87,042	3/4	74,123	3/4	61,229	3/4
8		8	154,069	8	144,519	8	134,970	8	125,422	8	112,610	8	99,692	8	86,773	8	73,854	8	60,960
1/4	1/4	153,870	1/4	144,321	1/4	134,771	1/4	125,180	1/4	112,340	1/4	99,422	1/4	86,504	1/4	73,585	1/4	60,691	1/4
1/2	1/2	153,671	1/2	144,122	1/2	134,572	1/2	124,937	1/2	112,071	1/2	99,153	1/2	86,235	1/2	73,317	1/2	60,422	1/2
3/4	3/4	153,472	3/4	143,923	3/4	134,373	3/4	124,694	3/4	111,802	3/4	98,884	3/4	85,965	3/4	73,048	3/4	60,153	3/4
9		9	153,273	9	143,724	9	134,174	9	124,452	9	111,533	9	98,615	9	85,696	9	72,779	9	59,884
1/4	1/4	153,074	1/4	143,525	1/4	133,976	1/4	124,183	1/4	111,264	1/4	98,346	1/4	85,427	1/4	72,511	1/4	59,615	1/4
1/2	1/2	152,875	1/2	143,326	1/2	133,777	1/2	123,914	1/2	110,995	1/2	98,077	1/2	85,158	1/2	72,242	1/2	59,346	1/2
3/4	3/4	152,676	3/4	143,127	3/4	133,578	3/4	123,644	3/4	110,726	3/4	97,808	3/4	84,889	3/4	71,973	3/4	59,077	3/4
10		10	152,477	10	142,928	10	133,379	10	123,375	10	110,456	10	97,539	10	84,620	10	71,705	10	58,808
1/4	1/4	152,278	1/4	142,729	1/4	133,180	1/4	123,106	1/4	110,187	1/4	97,269	1/4	84,351	1/4	71,436	1/4	58,539	1/4
1/2	1/2	152,079	1/2	142,530	1/2	132,981	1/2	122,837	1/2	109,918	1/2	97,000	1/2	84,081	1/2	71,168	1/2	58,270	1/2
3/4	3/4	151,880	3/4	142,331	3/4	132,782	3/4	122,568	3/4	109,649	3/4	96,731	3/4	83,812	3/4	70,899	3/4	58,001	3/4
11		11	151,681	11	142,132	11	132,583	11	122,299	11	109,380	11	96,462	11	83,543	11	70,631	11	57,732
1/4	1/4	151,482	1/4	141,933	1/4	132,384	1/4	122,030	1/4	109,111	1/4	96,193	1/4	83,274	1/4	70,362	1/4	57,463	1/4
1/2	1/2	151,283	1/2	141,734	1/2	132,185	1/2	121,760	1/2	108,842	1/2	95,924	1/2	83,005	1/2	70,094	1/2	57,194	1/2
3/4	3/4	151,085	3/4	141,535	3/4	131,986	3/4	121,491	3/4	108,572	3/4	95,655	3/4	82,736	3/4	69,825	3/4	56,925	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 31'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "IB 1940"

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	56,656	0	43,743	0	31,071	0	18,161	0	5,240	0		0		0		0		0	
1/4	56,387	1/4	43,474	1/4	30,804	1/4	17,892	1/4	4,972	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	56,118	1/2	43,205	1/2	30,537	1/2	17,623	1/2	4,704	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	55,849	3/4	42,936	3/4	30,271	3/4	17,354	3/4	4,435	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	55,580	1	42,667	1	30,004	1	17,085	1	4,167	1		1		1		1		1	
1/4	55,311	1/4	42,398	1/4	29,735	1/4	16,815	1/4	3,900	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	55,042	1/2	42,129	1/2	29,466	1/2	16,546	1/2	3,633	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	54,773	3/4	41,860	3/4	29,196	3/4	16,277	3/4	3,366	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	54,504	2	41,591	2	28,927	2	16,008	2	3,099	2		2		2		2		2	
1/4	54,235	1/4	41,326	1/4	28,658	1/4	15,739	1/4	2,834	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	53,966	1/2	41,061	1/2	28,389	1/2	15,470	1/2	2,569	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	53,697	3/4	40,796	3/4	28,120	3/4	15,201	3/4	2,304	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	53,428	3	40,531	3	27,851	3	14,931	3	2,039	3		3		3		3		3	
1/4	53,159	1/4	40,268	1/4	27,581	1/4	14,662	1/4	1,800	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	52,890	1/2	40,005	1/2	27,312	1/2	14,393	1/2	1,560	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	52,621	3/4	39,742	3/4	27,043	3/4	14,124	3/4	1,321	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	52,352	4	39,480	4	26,774	4	13,855	4	1,082	4		4		4		4		4	
1/4	52,083	1/4	39,217	1/4	26,505	1/4	13,586	1/4	914	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	51,814	1/2	38,954	1/2	26,236	1/2	13,316	1/2	745	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	51,545	3/4	38,691	3/4	25,967	3/4	13,047	3/4	577	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	51,276	5	38,428	5	25,697	5	12,778	5	408	5		5		5		5		5	
1/4	51,007	1/4	38,166	1/4	25,428	1/4	12,509	1/4	330	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	50,738	1/2	37,903	1/2	25,159	1/2	12,240	1/2	251	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	50,469	3/4	37,640	3/4	24,890	3/4	11,971	3/4	172	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	50,200	6	37,377	6	24,621	6	11,702	6	94	6		6		6		6		6	
1/4	49,931	1/4	37,115	1/4	24,352	1/4	11,432	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	49,662	1/2	36,852	1/2	24,083	1/2	11,163	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	49,393	3/4	36,589	3/4	23,813	3/4	10,894	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	49,124	7	36,326	7	23,544	7	10,625	7		7		7		7		7		7	
1/4	48,855	1/4	36,063	1/4	23,275	1/4	10,356	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	48,586	1/2	35,801	1/2	23,006	1/2	10,086	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	48,317	3/4	35,538	3/4	22,737	3/4	9,817	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	48,048	8	35,275	8	22,468	8	9,548	8		8		8		8		8		8	
1/4	47,779	1/4	35,012	1/4	22,198	1/4	9,278	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	47,510	1/2	34,750	1/2	21,929	1/2	9,009	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	47,241	3/4	34,487	3/4	21,660	3/4	8,739	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	46,972	9	34,224	9	21,391	9	8,470	9		9		9		9		9		9	
1/4	46,703	1/4	33,961	1/4	21,122	1/4	8,201	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	46,434	1/2	33,699	1/2	20,853	1/2	7,931	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	46,165	3/4	33,436	3/4	20,584	3/4	7,662	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	45,895	10	33,173	10	20,314	10	7,393	10		10		10		10		10		10	
1/4	45,626	1/4	32,910	1/4	20,045	1/4	7,124	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	45,357	1/2	32,647	1/2	19,776	1/2	6,854	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	45,088	3/4	32,385	3/4	19,507	3/4	6,585	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	44,819	11	32,122	11	19,238	11	6,316	11		11		11		11		11		11	
1/4	44,550	1/4	31,859	1/4	18,969	1/4	6,047	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	44,281	1/2	31,596	1/2	18,700	1/2	5,778	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	44,012	3/4	31,334	3/4	18,430	3/4	5,509	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: 09/26/2013 SW
CALCULATED: 09/27/2013 CL
PRINTED: 09/27/2013 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 1940"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-06"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0	165,033	0	154,042	0	141,603	0	129,165	0	116,727	0	104,288	0	91,850	0	79,411	0	66,973
1/4		1/4	164,971	1/4	153,783	1/4	141,344	1/4	128,906	1/4	116,467	1/4	104,029	1/4	91,590	1/4	79,152	1/4	66,714
1/2		1/2	164,909	1/2	153,524	1/2	141,085	1/2	128,647	1/2	116,208	1/2	103,770	1/2	91,331	1/2	78,893	1/2	66,454
3/4		3/4	164,847	3/4	153,264	3/4	140,826	3/4	128,388	3/4	115,949	3/4	103,511	3/4	91,072	3/4	78,634	3/4	66,195
1		1	164,785	1	153,005	1	140,567	1	128,128	1	115,690	1	103,252	1	90,813	1	78,375	1	65,936
1/4		1/4	164,644	1/4	152,746	1/4	140,308	1/4	127,869	1/4	115,431	1/4	102,992	1/4	90,554	1/4	78,115	1/4	65,677
1/2		1/2	164,504	1/2	152,487	1/2	140,049	1/2	127,610	1/2	115,172	1/2	102,733	1/2	90,295	1/2	77,856	1/2	65,418
3/4		3/4	164,363	3/4	152,228	3/4	139,789	3/4	127,351	3/4	114,913	3/4	102,474	3/4	90,036	3/4	77,597	3/4	65,159
2		2	164,223	2	151,969	2	139,530	2	127,092	2	114,653	2	102,215	2	89,777	2	77,338	2	64,900
1/4		1/4	164,004	1/4	151,710	1/4	139,271	1/4	126,833	1/4	114,394	1/4	101,956	1/4	89,517	1/4	77,079	1/4	64,641
1/2		1/2	163,785	1/2	151,451	1/2	139,012	1/2	126,574	1/2	114,135	1/2	101,697	1/2	89,258	1/2	76,820	1/2	64,381
3/4		3/4	163,566	3/4	151,191	3/4	138,753	3/4	126,314	3/4	113,876	3/4	101,438	3/4	88,999	3/4	76,561	3/4	64,122
3		3	163,347	3	150,932	3	138,494	3	126,055	3	113,617	3	101,178	3	88,740	3	76,302	3	63,863
1/4		1/4	163,093	1/4	150,673	1/4	138,235	1/4	125,796	1/4	113,358	1/4	100,919	1/4	88,481	1/4	76,042	1/4	63,604
1/2		1/2	162,839	1/2	150,414	1/2	137,976	1/2	125,537	1/2	113,099	1/2	100,660	1/2	88,222	1/2	75,783	1/2	63,345
3/4		3/4	162,585	3/4	150,155	3/4	137,716	3/4	125,278	3/4	112,839	3/4	100,401	3/4	87,963	3/4	75,524	3/4	63,086
4		4	162,331	4	149,896	4	137,457	4	125,019	4	112,580	4	100,142	4	87,703	4	75,265	4	62,827
1/4		1/4	162,073	1/4	149,637	1/4	137,198	1/4	124,760	1/4	112,321	1/4	99,883	1/4	87,444	1/4	75,006	1/4	62,567
1/2		1/2	161,814	1/2	149,377	1/2	136,939	1/2	124,501	1/2	112,062	1/2	99,624	1/2	87,185	1/2	74,747	1/2	62,308
3/4		3/4	161,556	3/4	149,118	3/4	136,680	3/4	124,241	3/4	111,803	3/4	99,365	3/4	86,926	3/4	74,488	3/4	62,049
5		5	161,297	5	148,859	5	136,421	5	123,982	5	111,544	5	99,105	5	86,667	5	74,228	5	61,790
1/4		1/4	161,038	1/4	148,600	1/4	136,162	1/4	123,723	1/4	111,285	1/4	98,846	1/4	86,408	1/4	73,969	1/4	61,531
1/2		1/2	160,779	1/2	148,341	1/2	135,902	1/2	123,464	1/2	111,026	1/2	98,587	1/2	86,149	1/2	73,710	1/2	61,272
3/4		3/4	160,520	3/4	148,082	3/4	135,643	3/4	123,205	3/4	110,766	3/4	98,328	3/4	85,890	3/4	73,451	3/4	61,013
6		6	160,261	6	147,823	6	135,384	6	122,946	6	110,507	6	98,069	6	85,630	6	73,192	6	60,753
1/4		1/4	160,002	1/4	147,563	1/4	135,125	1/4	122,687	1/4	110,248	1/4	97,810	1/4	85,371	1/4	72,933	1/4	60,494
1/2		1/2	159,743	1/2	147,304	1/2	134,866	1/2	122,427	1/2	109,989	1/2	97,551	1/2	85,112	1/2	72,674	1/2	60,235
3/4		3/4	159,484	3/4	147,045	3/4	134,607	3/4	122,168	3/4	109,730	3/4	97,291	3/4	84,853	3/4	72,415	3/4	59,976
7		7	159,225	7	146,786	7	134,348	7	121,909	7	109,471	7	97,032	7	84,594	7	72,155	7	59,717
1/4		1/4	158,965	1/4	146,527	1/4	134,089	1/4	121,650	1/4	109,212	1/4	96,773	1/4	84,335	1/4	71,896	1/4	59,458
1/2		1/2	158,706	1/2	146,268	1/2	133,829	1/2	121,391	1/2	108,952	1/2	96,514	1/2	84,076	1/2	71,637	1/2	59,199
3/4		3/4	158,447	3/4	146,009	3/4	133,570	3/4	121,132	3/4	108,693	3/4	96,255	3/4	83,816	3/4	71,378	3/4	58,940
8		8	158,188	8	145,750	8	133,311	8	120,873	8	108,434	8	95,996	8	83,557	8	71,119	8	58,680
1/4		1/4	157,929	1/4	145,490	1/4	133,052	1/4	120,614	1/4	108,175	1/4	95,737	1/4	83,298	1/4	70,860	1/4	58,421
1/2		1/2	157,670	1/2	145,231	1/2	132,793	1/2	120,354	1/2	107,916	1/2	95,477	1/2	83,039	1/2	70,601	1/2	58,162
3/4		3/4	157,411	3/4	144,972	3/4	132,534	3/4	120,095	3/4	107,657	3/4	95,218	3/4	82,780	3/4	70,341	3/4	57,903
9		9	157,151	9	144,713	9	132,275	9	119,836	9	107,398	9	94,959	9	82,521	9	70,082	9	57,644
1/4		1/4	156,892	1/4	144,454	1/4	132,015	1/4	119,577	1/4	107,139	1/4	94,700	1/4	82,262	1/4	69,823	1/4	57,385
1/2		1/2	156,633	1/2	144,195	1/2	131,756	1/2	119,318	1/2	106,879	1/2	94,441	1/2	82,003	1/2	69,564	1/2	57,126
3/4		3/4	156,374	3/4	143,936	3/4	131,497	3/4	119,059	3/4	106,620	3/4	94,182	3/4	81,743	3/4	69,305	3/4	56,866
10		10	156,115	10	143,676	10	131,238	10	118,800	10	106,361	10	93,923	10	81,484	10	69,046	10	56,607
1/4		1/4	155,856	1/4	143,417	1/4	130,979	1/4	118,540	1/4	106,102	1/4	93,664	1/4	81,225	1/4	68,787	1/4	56,348
1/2		1/2	155,597	1/2	143,158	1/2	130,720	1/2	118,281	1/2	105,843	1/2	93,404	1/2	80,966	1/2	68,528	1/2	56,089
3/4		3/4	155,338	3/4	142,899	3/4	130,461	3/4	118,022	3/4	105,584	3/4	93,145	3/4	80,707	3/4	68,268	3/4	55,830
11		11	155,078	11	142,640	11	130,201	11	117,763	11	105,325	11	92,886	11	80,448	11	68,009	11	55,571
1/4		1/4	154,819	1/4	142,381	1/4	129,942	1/4	117,504	1/4	105,065	1/4	92,627	1/4	80,189	1/4	67,750	1/4	55,312
1/2		1/2	154,560	1/2	142,122	1/2	129,683	1/2	117,245	1/2	104,806	1/2	92,368	1/2	79,929	1/2	67,491	1/2	55,053
3/4		3/4	154,301	3/4	141,863	3/4	129,424	3/4	116,986	3/4	104,547	3/4	92,109	3/4	79,670	3/4	67,232	3/4	54,793

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 1940"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-06"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	54,534	0	42,096	0	29,900	0	17,471	0	5,037	0		0		0		0		0	
1/4	54,275	1/4	41,837	1/4	29,643	1/4	17,212	1/4	4,779	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	54,016	1/2	41,578	1/2	29,386	1/2	16,953	1/2	4,521	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	53,757	3/4	41,318	3/4	29,129	3/4	16,694	3/4	4,263	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	53,498	1	41,059	1	28,873	1	16,435	1	4,005	1		1		1		1		1	
1/4	53,239	1/4	40,800	1/4	28,614	1/4	16,176	1/4	3,749	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	52,979	1/2	40,541	1/2	28,354	1/2	15,916	1/2	3,492	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	52,720	3/4	40,282	3/4	28,095	3/4	15,657	3/4	3,235	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	52,461	2	40,023	2	27,836	2	15,398	2	2,979	2		2		2		2		2	
1/4	52,202	1/4	39,768	1/4	27,577	1/4	15,139	1/4	2,724	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	51,943	1/2	39,512	1/2	27,318	1/2	14,880	1/2	2,469	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	51,684	3/4	39,257	3/4	27,059	3/4	14,621	3/4	2,215	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	51,425	3	39,002	3	26,800	3	14,362	3	1,960	3		3		3		3		3	
1/4	51,166	1/4	38,749	1/4	26,541	1/4	14,103	1/4	1,730	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	50,906	1/2	38,496	1/2	26,281	1/2	13,843	1/2	1,500	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	50,647	3/4	38,243	3/4	26,022	3/4	13,584	3/4	1,270	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	50,388	4	37,990	4	25,763	4	13,325	4	1,041	4		4		4		4		4	
1/4	50,129	1/4	37,737	1/4	25,504	1/4	13,066	1/4	879	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	49,870	1/2	37,485	1/2	25,245	1/2	12,807	1/2	717	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	49,611	3/4	37,232	3/4	24,986	3/4	12,548	3/4	555	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	49,352	5	36,979	5	24,727	5	12,289	5	393	5		5		5		5		5	
1/4	49,092	1/4	36,726	1/4	24,468	1/4	12,030	1/4	318	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	48,833	1/2	36,473	1/2	24,208	1/2	11,770	1/2	242	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	48,574	3/4	36,220	3/4	23,949	3/4	11,511	3/4	167	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	48,315	6	35,968	6	23,690	6	11,252	6	91	6		6		6		6		6	
1/4	48,056	1/4	35,715	1/4	23,431	1/4	10,993	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	47,797	1/2	35,462	1/2	23,172	1/2	10,734	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	47,538	3/4	35,209	3/4	22,913	3/4	10,475	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	47,279	7	34,956	7	22,654	7	10,216	7		7		7		7		7		7	
1/4	47,019	1/4	34,703	1/4	22,395	1/4	9,957	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	46,760	1/2	34,451	1/2	22,135	1/2	9,697	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	46,501	3/4	34,198	3/4	21,876	3/4	9,438	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	46,242	8	33,945	8	21,617	8	9,179	8		8		8		8		8		8	
1/4	45,983	1/4	33,692	1/4	21,358	1/4	8,920	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	45,724	1/2	33,439	1/2	21,099	1/2	8,661	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	45,465	3/4	33,187	3/4	20,840	3/4	8,402	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	45,205	9	32,934	9	20,581	9	8,143	9		9		9		9		9		9	
1/4	44,946	1/4	32,681	1/4	20,322	1/4	7,884	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	44,687	1/2	32,428	1/2	20,062	1/2	7,625	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	44,428	3/4	32,175	3/4	19,803	3/4	7,365	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	44,169	10	31,922	10	19,544	10	7,106	10		10		10		10		10		10	
1/4	43,910	1/4	31,670	1/4	19,285	1/4	6,847	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	43,651	1/2	31,417	1/2	19,026	1/2	6,589	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	43,391	3/4	31,164	3/4	18,767	3/4	6,330	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	43,132	11	30,911	11	18,508	11	6,071	11		11		11		11		11		11	
1/4	42,873	1/4	30,658	1/4	18,249	1/4	5,812	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	42,614	1/2	30,405	1/2	17,989	1/2	5,554	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	42,355	3/4	30,153	3/4	17,730	3/4	5,295	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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ALL PRIOR TO 09/2013

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& ANALYSIS, INC.
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BARGE "IB 1940"

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		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0	164,140	0	153,224	0	140,870	0	128,517	0	116,163	0	103,809	0	91,456	0	79,102	0	66,749
1/4	1/4	164,078	1/4	152,966	1/4	140,613	1/4	128,259	1/4	115,906	1/4	103,552	1/4	91,198	1/4	78,845	1/4	66,491	1/4
1/2	1/2	164,017	1/2	152,709	1/2	140,355	1/2	128,002	1/2	115,648	1/2	103,295	1/2	90,941	1/2	78,587	1/2	66,234	1/2
3/4	3/4	163,955	3/4	152,452	3/4	140,098	3/4	127,745	3/4	115,391	3/4	103,037	3/4	90,684	3/4	78,330	3/4	65,976	3/4
1		1	163,893	1	152,194	1	139,841	1	127,487	1	115,134	1	102,780	1	90,426	1	78,073	1	65,719
1/4	1/4	163,754	1/4	151,937	1/4	139,583	1/4	127,230	1/4	114,876	1/4	102,523	1/4	90,169	1/4	77,815	1/4	65,462	1/4
1/2	1/2	163,614	1/2	151,680	1/2	139,326	1/2	126,972	1/2	114,619	1/2	102,265	1/2	89,912	1/2	77,558	1/2	65,204	1/2
3/4	3/4	163,475	3/4	151,422	3/4	139,069	3/4	126,715	3/4	114,361	3/4	102,008	3/4	89,654	3/4	77,301	3/4	64,947	3/4
2		2	163,336	2	151,165	2	138,811	2	126,458	2	114,104	2	101,750	2	89,397	2	77,043	2	64,690
1/4	1/4	163,118	1/4	150,908	1/4	138,554	1/4	126,200	1/4	113,847	1/4	101,493	1/4	89,139	1/4	76,786	1/4	64,432	1/4
1/2	1/2	162,900	1/2	150,650	1/2	138,297	1/2	125,943	1/2	113,589	1/2	101,236	1/2	88,882	1/2	76,529	1/2	64,175	1/2
3/4	3/4	162,683	3/4	150,393	3/4	138,039	3/4	125,686	3/4	113,332	3/4	100,978	3/4	88,625	3/4	76,271	3/4	63,918	3/4
3		3	162,465	3	150,135	3	137,782	3	125,428	3	113,075	3	100,721	3	88,367	3	76,014	3	63,660
1/4	1/4	162,213	1/4	149,878	1/4	137,524	1/4	125,171	1/4	112,817	1/4	100,464	1/4	88,110	1/4	75,756	1/4	63,403	1/4
1/2	1/2	161,961	1/2	149,621	1/2	137,267	1/2	124,913	1/2	112,560	1/2	100,206	1/2	87,853	1/2	75,499	1/2	63,145	1/2
3/4	3/4	161,709	3/4	149,363	3/4	137,010	3/4	124,656	3/4	112,303	3/4	99,949	3/4	87,595	3/4	75,242	3/4	62,888	3/4
4		4	161,457	4	149,106	4	136,752	4	124,399	4	112,045	4	99,692	4	87,338	4	74,984	4	62,631
1/4	1/4	161,200	1/4	148,849	1/4	136,495	1/4	124,141	1/4	111,788	1/4	99,434	1/4	87,081	1/4	74,727	1/4	62,373	1/4
1/2	1/2	160,943	1/2	148,591	1/2	136,238	1/2	123,884	1/2	111,530	1/2	99,177	1/2	86,823	1/2	74,470	1/2	62,116	1/2
3/4	3/4	160,686	3/4	148,334	3/4	135,980	3/4	123,627	3/4	111,273	3/4	98,919	3/4	86,566	3/4	74,212	3/4	61,859	3/4
5		5	160,430	5	148,077	5	135,723	5	123,369	5	111,016	5	98,662	5	86,308	5	73,955	5	61,601
1/4	1/4	160,172	1/4	147,819	1/4	135,466	1/4	123,112	1/4	110,758	1/4	98,405	1/4	86,051	1/4	73,697	1/4	61,344	1/4
1/2	1/2	159,915	1/2	147,562	1/2	135,208	1/2	122,855	1/2	110,501	1/2	98,147	1/2	85,794	1/2	73,440	1/2	61,086	1/2
3/4	3/4	159,658	3/4	147,304	3/4	134,951	3/4	122,597	3/4	110,244	3/4	97,890	3/4	85,536	3/4	73,183	3/4	60,829	3/4
6		6	159,401	6	147,047	6	134,693	6	122,340	6	109,986	6	97,633	6	85,279	6	72,925	6	60,572
1/4	1/4	159,143	1/4	146,790	1/4	134,436	1/4	122,082	1/4	109,729	1/4	97,375	1/4	85,022	1/4	72,668	1/4	60,314	1/4
1/2	1/2	158,886	1/2	146,532	1/2	134,179	1/2	121,825	1/2	109,471	1/2	97,118	1/2	84,764	1/2	72,411	1/2	60,057	1/2
3/4	3/4	158,629	3/4	146,275	3/4	133,921	3/4	121,568	3/4	109,214	3/4	96,860	3/4	84,507	3/4	72,153	3/4	59,800	3/4
7		7	158,371	7	146,018	7	133,664	7	121,310	7	108,957	7	96,603	7	84,250	7	71,896	7	59,542
1/4	1/4	158,114	1/4	145,760	1/4	133,407	1/4	121,053	1/4	108,699	1/4	96,346	1/4	83,992	1/4	71,639	1/4	59,285	1/4
1/2	1/2	157,856	1/2	145,503	1/2	133,149	1/2	120,796	1/2	108,442	1/2	96,088	1/2	83,735	1/2	71,381	1/2	59,028	1/2
3/4	3/4	157,599	3/4	145,245	3/4	132,892	3/4	120,538	3/4	108,185	3/4	95,831	3/4	83,477	3/4	71,124	3/4	58,770	3/4
8		8	157,342	8	144,988	8	132,634	8	120,281	8	107,927	8	95,574	8	83,220	8	70,866	8	58,513
1/4	1/4	157,084	1/4	144,731	1/4	132,377	1/4	120,024	1/4	107,670	1/4	95,316	1/4	82,963	1/4	70,609	1/4	58,255	1/4
1/2	1/2	156,827	1/2	144,473	1/2	132,120	1/2	119,766	1/2	107,413	1/2	95,059	1/2	82,705	1/2	70,352	1/2	57,998	1/2
3/4	3/4	156,570	3/4	144,216	3/4	131,862	3/4	119,509	3/4	107,155	3/4	94,802	3/4	82,448	3/4	70,094	3/4	57,741	3/4
9		9	156,312	9	143,959	9	131,605	9	119,251	9	106,898	9	94,544	9	82,191	9	69,837	9	57,483
1/4	1/4	156,055	1/4	143,701	1/4	131,348	1/4	118,994	1/4	106,640	1/4	94,287	1/4	81,933	1/4	69,580	1/4	57,226	1/4
1/2	1/2	155,798	1/2	143,444	1/2	131,090	1/2	118,737	1/2	106,383	1/2	94,029	1/2	81,676	1/2	69,322	1/2	56,969	1/2
3/4	3/4	155,540	3/4	143,187	3/4	130,833	3/4	118,479	3/4	106,126	3/4	93,772	3/4	81,418	3/4	69,065	3/4	56,711	3/4
10		10	155,283	10	142,929	10	130,576	10	118,222	10	105,868	10	93,515	10	81,161	10	68,807	10	56,454
1/4	1/4	155,025	1/4	142,672	1/4	130,318	1/4	117,965	1/4	105,611	1/4	93,257	1/4	80,904	1/4	68,550	1/4	56,197	1/4
1/2	1/2	154,768	1/2	142,414	1/2	130,061	1/2	117,707	1/2	105,354	1/2	93,000	1/2	80,646	1/2	68,293	1/2	55,939	1/2
3/4	3/4	154,511	3/4	142,157	3/4	129,803	3/4	117,450	3/4	105,096	3/4	92,743	3/4	80,389	3/4	68,035	3/4	55,682	3/4
11		11	154,253	11	141,900	11	129,546	11	117,192	11	104,839	11	92,485	11	80,132	11	67,778	11	55,424
1/4	1/4	153,996	1/4	141,642	1/4	129,289	1/4	116,935	1/4	104,581	1/4	92,228	1/4	79,874	1/4	67,521	1/4	55,167	1/4
1/2	1/2	153,739	1/2	141,385	1/2	129,031	1/2	116,678	1/2	104,324	1/2	91,971	1/2	79,617	1/2	67,263	1/2	54,910	1/2
3/4	3/4	153,481	3/4	141,128	3/4	128,774	3/4	116,420	3/4	104,067	3/4	91,713	3/4	79,360	3/4	67,006	3/4	54,652	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.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "IB 1940"

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	54,395	0	42,041	0	29,705	0	17,352	0	5,002	0		0		0		0		0	
1/4	54,138	1/4	41,784	1/4	29,448	1/4	17,095	1/4	4,746	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	53,880	1/2	41,527	1/2	29,190	1/2	16,838	1/2	4,490	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	53,623	3/4	41,269	3/4	28,933	3/4	16,580	3/4	4,234	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	53,365	1	41,012	1	28,676	1	16,323	1	3,978	1		1		1		1		1	
1/4	53,108	1/4	40,755	1/4	28,419	1/4	16,065	1/4	3,723	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	52,851	1/2	40,497	1/2	28,161	1/2	15,808	1/2	3,468	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	52,593	3/4	40,240	3/4	27,904	3/4	15,551	3/4	3,214	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	52,336	2	39,982	2	27,647	2	15,293	2	2,959	2		2		2		2		2	
1/4	52,079	1/4	39,725	1/4	27,389	1/4	15,036	1/4	2,706	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	51,821	1/2	39,468	1/2	27,132	1/2	14,779	1/2	2,453	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	51,564	3/4	39,211	3/4	26,874	3/4	14,521	3/4	2,200	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	51,307	3	38,954	3	26,617	3	14,264	3	1,947	3		3		3		3		3	
1/4	51,049	1/4	38,697	1/4	26,360	1/4	14,007	1/4	1,719	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	50,792	1/2	38,440	1/2	26,102	1/2	13,749	1/2	1,490	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	50,534	3/4	38,183	3/4	25,845	3/4	13,492	3/4	1,262	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	50,277	4	37,926	4	25,588	4	13,234	4	1,034	4		4		4		4		4	
1/4	50,020	1/4	37,669	1/4	25,330	1/4	12,977	1/4	873	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	49,762	1/2	37,412	1/2	25,073	1/2	12,720	1/2	712	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	49,505	3/4	37,155	3/4	24,816	3/4	12,462	3/4	552	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	49,248	5	36,898	5	24,558	5	12,205	5	391	5		5		5		5		5	
1/4	48,990	1/4	36,641	1/4	24,301	1/4	11,948	1/4	316	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	48,733	1/2	36,384	1/2	24,044	1/2	11,690	1/2	241	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	48,476	3/4	36,128	3/4	23,786	3/4	11,433	3/4	166	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	48,218	6	35,871	6	23,529	6	11,176	6	91	6		6		6		6		6	
1/4	47,961	1/4	35,614	1/4	23,271	1/4	10,918	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	47,703	1/2	35,357	1/2	23,014	1/2	10,661	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	47,446	3/4	35,100	3/4	22,757	3/4	10,404	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	47,189	7	34,843	7	22,499	7	10,146	7		7		7		7		7		7	
1/4	46,931	1/4	34,586	1/4	22,242	1/4	9,889	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	46,674	1/2	34,329	1/2	21,985	1/2	9,631	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	46,417	3/4	34,072	3/4	21,727	3/4	9,374	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	46,159	8	33,815	8	21,470	8	9,117	8		8		8		8		8		8	
1/4	45,902	1/4	33,558	1/4	21,213	1/4	8,859	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	45,644	1/2	33,302	1/2	20,955	1/2	8,602	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	45,387	3/4	33,045	3/4	20,698	3/4	8,345	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	45,130	9	32,788	9	20,441	9	8,087	9		9		9		9		9		9	
1/4	44,872	1/4	32,531	1/4	20,183	1/4	7,830	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	44,615	1/2	32,274	1/2	19,926	1/2	7,573	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	44,358	3/4	32,017	3/4	19,668	3/4	7,315	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	44,100	10	31,760	10	19,411	10	7,058	10		10		10		10		10		10	
1/4	43,843	1/4	31,503	1/4	19,154	1/4	6,801	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	43,586	1/2	31,246	1/2	18,896	1/2	6,544	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	43,328	3/4	30,989	3/4	18,639	3/4	6,287	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	43,071	11	30,732	11	18,382	11	6,029	11		11		11		11		11		11	
1/4	42,813	1/4	30,475	1/4	18,124	1/4	5,773	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	42,556	1/2	30,219	1/2	17,867	1/2	5,516	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	42,299	3/4	29,962	3/4	17,610	3/4	5,259	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: 09/26/2013 SW
CALCULATED: 09/27/2013 CL
PRINTED: 09/27/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2013

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