



BARGE "IB 1941"

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 1941"

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	158,727	0	150,235	0	140,702	0	131,168	0	120,481	0	107,584	0	94,688	0	81,791	0	68,903		
1/4		1/4	158,706	1/4	150,036	1/4	140,503	1/4	130,970	1/4	120,212	1/4	107,315	1/4	94,419	1/4	81,522	1/4	68,635		
1/2		1/2	158,686	1/2	149,838	1/2	140,304	1/2	130,771	1/2	119,944	1/2	107,047	1/2	94,150	1/2	81,253	1/2	68,367		
3/4		3/4	158,611	3/4	149,639	3/4	140,106	3/4	130,573	3/4	119,675	3/4	106,778	3/4	93,882	3/4	80,985	3/4	68,099		
1		1	158,535	1	149,440	1	139,907	1	130,374	1	119,406	1	106,509	1	93,613	1	80,716	1	67,831		
1/4		1/4	158,460	1/4	149,242	1/4	139,709	1/4	130,175	1/4	119,138	1/4	106,241	1/4	93,344	1/4	80,447	1/4	67,563		
1/2		1/2	158,385	1/2	149,043	1/2	139,510	1/2	129,977	1/2	118,869	1/2	105,972	1/2	93,076	1/2	80,179	1/2	67,295		
3/4		3/4	158,228	3/4	148,845	3/4	139,311	3/4	129,778	3/4	118,600	3/4	105,703	3/4	92,807	3/4	79,910	3/4	67,027		
2		2	158,071	2	148,646	2	139,113	2	129,580	2	118,331	2	105,435	2	92,538	2	79,641	2	66,759		
1/4		1/4	157,914	1/4	148,447	1/4	138,914	1/4	129,381	1/4	118,063	1/4	105,166	1/4	92,270	1/4	79,372	1/4	66,491		
1/2		1/2	157,757	1/2	148,249	1/2	138,716	1/2	129,182	1/2	117,794	1/2	104,897	1/2	92,001	1/2	79,104	1/2	66,223		
3/4		3/4	157,564	3/4	148,050	3/4	138,517	3/4	128,984	3/4	117,525	3/4	104,629	3/4	91,732	3/4	78,835	3/4	65,954		
3		3	157,371	3	147,851	3	138,318	3	128,785	3	117,257	3	104,360	3	91,463	3	78,566	3	65,686		
1/4		1/4	157,178	1/4	147,653	1/4	138,120	1/4	128,587	1/4	116,988	1/4	104,091	1/4	91,195	1/4	78,298	1/4	65,418		
1/2		1/2	156,985	1/2	147,454	1/2	137,921	1/2	128,388	1/2	116,719	1/2	103,823	1/2	90,926	1/2	78,029	1/2	65,150		
3/4		3/4	156,787	3/4	147,256	3/4	137,723	3/4	128,189	3/4	116,451	3/4	103,554	3/4	90,657	3/4	77,760	3/4	64,882		
4		4	156,589	4	147,057	4	137,524	4	127,991	4	116,182	4	103,285	4	90,389	4	77,492	4	64,614		
1/4		1/4	156,391	1/4	146,858	1/4	137,325	1/4	127,792	1/4	115,913	1/4	103,017	1/4	90,120	1/4	77,223	1/4	64,346		
1/2		1/2	156,193	1/2	146,660	1/2	137,127	1/2	127,594	1/2	115,645	1/2	102,748	1/2	89,851	1/2	76,954	1/2	64,078		
3/4		3/4	155,994	3/4	146,461	3/4	136,928	3/4	127,395	3/4	115,376	3/4	102,479	3/4	89,583	3/4	76,686	3/4	63,810		
5		5	155,796	5	146,263	5	136,729	5	127,196	5	115,107	5	102,211	5	89,314	5	76,417	5	63,542		
1/4		1/4	155,597	1/4	146,064	1/4	136,531	1/4	126,998	1/4	114,839	1/4	101,942	1/4	89,045	1/4	76,148	1/4	63,274		
1/2		1/2	155,399	1/2	145,865	1/2	136,332	1/2	126,799	1/2	114,570	1/2	101,673	1/2	88,777	1/2	75,879	1/2	63,006		
3/4		3/4	155,200	3/4	145,667	3/4	136,134	3/4	126,600	3/4	114,301	3/4	101,405	3/4	88,508	3/4	75,611	3/4	62,737		
6		6	155,001	6	145,468	6	135,935	6	126,402	6	114,032	6	101,136	6	88,239	6	75,342	6	62,469		
1/4		1/4	154,803	1/4	145,270	1/4	135,736	1/4	126,203	1/4	113,764	1/4	100,867	1/4	87,970	1/4	75,073	1/4	62,200		
1/2		1/2	154,604	1/2	145,071	1/2	135,538	1/2	126,005	1/2	113,495	1/2	100,599	1/2	87,702	1/2	74,805	1/2	61,932		
3/4		3/4	154,406	3/4	144,872	3/4	135,339	3/4	125,806	3/4	113,226	3/4	100,330	3/4	87,433	3/4	74,536	3/4	61,663		
7		7	154,207	7	144,674	7	135,141	7	125,608	7	112,958	7	100,061	7	87,164	7	74,267	7	61,395		
1/4		1/4	154,008	1/4	144,475	1/4	134,942	1/4	125,410	1/4	112,689	1/4	99,793	1/4	86,896	1/4	73,999	1/4	61,126		
1/2		1/2	153,810	1/2	144,277	1/2	134,743	1/2	125,212	1/2	112,420	1/2	99,524	1/2	86,627	1/2	73,730	1/2	60,858		
3/4		3/4	153,611	3/4	144,078	3/4	134,545	3/4	124,969	3/4	112,152	3/4	99,255	3/4	86,358	3/4	73,462	3/4	60,589		
8		8	153,412	8	143,879	8	134,346	8	124,727	8	111,883	8	98,987	8	86,090	8	73,193	8	60,321		
1/4		1/4	153,214	1/4	143,681	1/4	134,148	1/4	124,485	1/4	111,614	1/4	98,718	1/4	85,821	1/4	72,925	1/4	60,052		
1/2		1/2	153,015	1/2	143,482	1/2	133,949	1/2	124,243	1/2	111,346	1/2	98,449	1/2	85,552	1/2	72,657	1/2	59,783		
3/4		3/4	152,817	3/4	143,284	3/4	133,750	3/4	123,974	3/4	111,077	3/4	98,181	3/4	85,284	3/4	72,389	3/4	59,515		
9		9	152,618	9	143,085	9	133,552	9	123,705	9	110,808	9	97,912	9	85,015	9	72,121	9	59,246		
1/4		1/4	152,419	1/4	142,886	1/4	133,353	1/4	123,437	1/4	110,539	1/4	97,643	1/4	84,746	1/4	71,852	1/4	58,978		
1/2		1/2	152,221	1/2	142,688	1/2	133,155	1/2	123,168	1/2	110,271	1/2	97,375	1/2	84,478	1/2	71,584	1/2	58,709		
3/4		3/4	152,022	3/4	142,489	3/4	132,956	3/4	122,899	3/4	110,002	3/4	97,106	3/4	84,209	3/4	71,316	3/4	58,441		
10		10	151,824	10	142,290	10	132,757	10	122,630	10	109,733	10	96,837	10	83,940	10	71,048	10	58,172		
1/4		1/4	151,625	1/4	142,092	1/4	132,559	1/4	122,362	1/4	109,465	1/4	96,569	1/4	83,671	1/4	70,780	1/4	57,904		
1/2		1/2	151,426	1/2	141,893	1/2	132,360	1/2	122,093	1/2	109,196	1/2	96,300	1/2	83,403	1/2	70,512	1/2	57,635		
3/4		3/4	151,228	3/4	141,695	3/4	132,161	3/4	121,824	3/4	108,927	3/4	96,031	3/4	83,134	3/4	70,244	3/4	57,366		
11		11	151,029	11	141,496	11	131,963	11	121,556	11	108,659	11	95,762	11	82,865	11	69,976	11	57,098		
1/4		1/4	150,831	1/4	141,297	1/4	131,764	1/4	121,287	1/4	108,390	1/4	95,494	1/4	82,597	1/4	69,708	1/4	56,829		
1/2	158,767	1/2	150,632	1/2	141,099	1/2	131,566	1/2	121,018	1/2	108,121	1/2	95,225	1/2	82,328	1/2	69,440	1/2	56,561		
3/4	158,747	3/4	150,433	3/4	140,900	3/4	131,367	3/4	120,750	3/4	107,853	3/4	94,956	3/4	82,059	3/4	69,172	3/4	56,292		

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 1941"

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	56,024	0	43,133	0	30,486	0	17,593	0	4,696	0		0		0		0		0	
1/4	55,755	1/4	42,864	1/4	30,220	1/4	17,325	1/4	4,428	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	55,487	1/2	42,596	1/2	29,953	1/2	17,056	1/2	4,160	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	55,218	3/4	42,327	3/4	29,685	3/4	16,787	3/4	3,893	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	54,949	1	42,059	1	29,416	1	16,519	1	3,627	1		1		1		1		1	
1/4	54,681	1/4	41,790	1/4	29,147	1/4	16,250	1/4	3,360	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	54,412	1/2	41,521	1/2	28,879	1/2	15,981	1/2	3,094	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	54,144	3/4	41,257	3/4	28,610	3/4	15,712	3/4	2,829	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	53,875	2	40,992	2	28,341	2	15,444	2	2,565	2		2		2		2		2	
1/4	53,607	1/4	40,727	1/4	28,073	1/4	15,175	1/4	2,300	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	53,338	1/2	40,463	1/2	27,804	1/2	14,906	1/2	2,035	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	53,069	3/4	40,200	3/4	27,535	3/4	14,638	3/4	1,797	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	52,801	3	39,938	3	27,266	3	14,369	3	1,558	3		3		3		3		3	
1/4	52,532	1/4	39,676	1/4	26,998	1/4	14,100	1/4	1,319	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	52,264	1/2	39,413	1/2	26,729	1/2	13,832	1/2	1,080	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	51,995	3/4	39,151	3/4	26,460	3/4	13,563	3/4	912	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	51,727	4	38,889	4	26,192	4	13,294	4	744	4		4		4		4		4	
1/4	51,458	1/4	38,626	1/4	25,923	1/4	13,025	1/4	576	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	51,190	1/2	38,364	1/2	25,654	1/2	12,757	1/2	408	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	50,921	3/4	38,102	3/4	25,386	3/4	12,488	3/4	329	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	50,652	5	37,839	5	25,117	5	12,219	5	251	5		5		5		5		5	
1/4	50,384	1/4	37,577	1/4	24,848	1/4	11,951	1/4	172	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	50,115	1/2	37,315	1/2	24,579	1/2	11,682	1/2	94	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	49,847	3/4	37,052	3/4	24,311	3/4	11,413	3/4	—	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	49,578	6	36,790	6	24,042	6	11,144	6	—	6		6		6		6		6	
1/4	49,310	1/4	36,528	1/4	23,773	1/4	10,876	1/4	—	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	49,041	1/2	36,265	1/2	23,505	1/2	10,607	1/2	—	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	48,773	3/4	36,003	3/4	23,236	3/4	10,338	3/4	—	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	48,504	7	35,741	7	22,967	7	10,069	7	—	7		7		7		7		7	
1/4	48,235	1/4	35,478	1/4	22,699	1/4	9,800	1/4	—	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	47,967	1/2	35,216	1/2	22,430	1/2	9,532	1/2	—	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	47,698	3/4	34,954	3/4	22,161	3/4	9,263	3/4	—	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	47,430	8	34,691	8	21,892	8	8,994	8	—	8		8		8		8		8	
1/4	47,161	1/4	34,429	1/4	21,624	1/4	8,725	1/4	—	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	46,893	1/2	34,167	1/2	21,355	1/2	8,456	1/2	—	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	46,624	3/4	33,904	3/4	21,086	3/4	8,187	3/4	—	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	46,355	9	33,642	9	20,818	9	7,918	9	—	9		9		9		9		9	
1/4	46,087	1/4	33,380	1/4	20,549	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	45,818	1/2	33,117	1/2	20,280	1/2	7,380	1/2	—	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	45,550	3/4	32,855	3/4	20,012	3/4	7,112	3/4	—	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	45,281	10	32,593	10	19,743	10	6,843	10	—	10		10		10		10		10	
1/4	45,013	1/4	32,330	1/4	19,474	1/4	6,574	1/4	—	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	44,744	1/2	32,068	1/2	19,205	1/2	6,305	1/2	—	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	44,476	3/4	31,806	3/4	18,937	3/4	6,037	3/4	—	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	44,207	11	31,543	11	18,668	11	5,768	11	—	11		11		11		11		11	
1/4	43,938	1/4	31,281	1/4	18,399	1/4	5,500	1/4	—	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	43,670	1/2	31,019	1/2	18,131	1/2	5,231	1/2	—	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	43,401	3/4	30,752	3/4	17,862	3/4	4,964	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 1941"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-05"

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	164,842	0	153,059	0	140,616	0	128,173	0	115,730	0	103,288	0	90,845	0	78,402	0	65,959		
1/4		1/4	164,702	1/4	152,800	1/4	140,357	1/4	127,914	1/4	115,471	1/4	103,028	1/4	90,586	1/4	78,143	1/4	65,700		
1/2		1/2	164,561	1/2	152,540	1/2	140,098	1/2	127,655	1/2	115,212	1/2	102,769	1/2	90,326	1/2	77,884	1/2	65,441		
3/4		3/4	164,421	3/4	152,281	3/4	139,838	3/4	127,396	3/4	114,953	3/4	102,510	3/4	90,067	3/4	77,624	3/4	65,182		
1		1	164,280	1	152,022	1	139,579	1	127,136	1	114,694	1	102,251	1	89,808	1	77,365	1	64,922		
1/4		1/4	164,061	1/4	151,763	1/4	139,320	1/4	126,877	1/4	114,434	1/4	101,992	1/4	89,549	1/4	77,106	1/4	64,663		
1/2		1/2	163,842	1/2	151,503	1/2	139,061	1/2	126,618	1/2	114,175	1/2	101,732	1/2	89,289	1/2	76,847	1/2	64,404		
3/4		3/4	163,623	3/4	151,244	3/4	138,801	3/4	126,359	3/4	113,916	3/4	101,473	3/4	89,030	3/4	76,587	3/4	64,145		
2		2	163,404	2	150,985	2	138,542	2	126,099	2	113,657	2	101,214	2	88,771	2	76,328	2	63,885		
1/4		1/4	163,150	1/4	150,726	1/4	138,283	1/4	125,840	1/4	113,397	1/4	100,955	1/4	88,512	1/4	76,069	1/4	63,626		
1/2		1/2	162,896	1/2	150,467	1/2	138,024	1/2	125,581	1/2	113,138	1/2	100,695	1/2	88,253	1/2	75,810	1/2	63,367		
3/4		3/4	162,642	3/4	150,207	3/4	137,765	3/4	125,322	3/4	112,879	3/4	100,436	3/4	87,993	3/4	75,551	3/4	63,108		
3		3	162,388	3	149,948	3	137,505	3	125,063	3	112,620	3	100,177	3	87,734	3	75,291	3	62,849		
1/4		1/4	162,130	1/4	149,689	1/4	137,246	1/4	124,803	1/4	112,360	1/4	99,918	1/4	87,475	1/4	75,032	1/4	62,589		
1/2		1/2	161,871	1/2	149,430	1/2	136,987	1/2	124,544	1/2	112,101	1/2	99,658	1/2	87,216	1/2	74,773	1/2	62,330		
3/4		3/4	161,612	3/4	149,170	3/4	136,728	3/4	124,285	3/4	111,842	3/4	99,399	3/4	86,956	3/4	74,514	3/4	62,071		
4		4	161,354	4	148,911	4	136,468	4	124,026	4	111,583	4	99,140	4	86,697	4	74,254	4	61,812		
1/4		1/4	161,095	1/4	148,652	1/4	136,209	1/4	123,766	1/4	111,324	1/4	98,881	1/4	86,438	1/4	73,995	1/4	61,552		
1/2		1/2	160,835	1/2	148,393	1/2	135,950	1/2	123,507	1/2	111,064	1/2	98,622	1/2	86,179	1/2	73,736	1/2	61,293		
3/4		3/4	160,576	3/4	148,134	3/4	135,691	3/4	123,248	3/4	110,805	3/4	98,362	3/4	85,920	3/4	73,477	3/4	61,034		
5		5	160,317	5	147,874	5	135,432	5	122,989	5	110,546	5	98,103	5	85,660	5	73,218	5	60,775		
1/4		1/4	160,058	1/4	147,615	1/4	135,172	1/4	122,729	1/4	110,287	1/4	97,844	1/4	85,401	1/4	72,958	1/4	60,516		
1/2		1/2	159,799	1/2	147,356	1/2	134,913	1/2	122,470	1/2	110,027	1/2	97,585	1/2	85,142	1/2	72,699	1/2	60,256		
3/4		3/4	159,539	3/4	147,097	3/4	134,654	3/4	122,211	3/4	109,768	3/4	97,325	3/4	84,883	3/4	72,440	3/4	59,997		
6		6	159,280	6	146,837	6	134,395	6	121,952	6	109,509	6	97,066	6	84,623	6	72,181	6	59,738		
1/4		1/4	159,021	1/4	146,578	1/4	134,135	1/4	121,693	1/4	109,250	1/4	96,807	1/4	84,364	1/4	71,921	1/4	59,479		
1/2		1/2	158,762	1/2	146,319	1/2	133,876	1/2	121,433	1/2	108,991	1/2	96,548	1/2	84,105	1/2	71,662	1/2	59,219		
3/4		3/4	158,503	3/4	146,060	3/4	133,617	3/4	121,174	3/4	108,731	3/4	96,289	3/4	83,846	3/4	71,403	3/4	58,960		
7		7	158,243	7	145,801	7	133,358	7	120,915	7	108,472	7	96,029	7	83,587	7	71,144	7	58,701		
1/4		1/4	157,984	1/4	145,541	1/4	133,098	1/4	120,656	1/4	108,213	1/4	95,770	1/4	83,327	1/4	70,885	1/4	58,442		
1/2		1/2	157,725	1/2	145,282	1/2	132,839	1/2	120,396	1/2	107,954	1/2	95,511	1/2	83,068	1/2	70,625	1/2	58,182		
3/4		3/4	157,466	3/4	145,023	3/4	132,580	3/4	120,137	3/4	107,694	3/4	95,252	3/4	82,809	3/4	70,366	3/4	57,923		
8		8	157,206	8	144,764	8	132,321	8	119,878	8	107,435	8	94,992	8	82,550	8	70,107	8	57,664		
1/4		1/4	156,947	1/4	144,504	1/4	132,062	1/4	119,619	1/4	107,176	1/4	94,733	1/4	82,290	1/4	69,848	1/4	57,405		
1/2		1/2	156,688	1/2	144,245	1/2	131,802	1/2	119,360	1/2	106,917	1/2	94,474	1/2	82,031	1/2	69,588	1/2	57,146		
3/4		3/4	156,429	3/4	143,986	3/4	131,543	3/4	119,100	3/4	106,658	3/4	94,215	3/4	81,772	3/4	69,329	3/4	56,886		
9		9	156,170	9	143,727	9	131,284	9	118,841	9	106,398	9	93,956	9	81,513	9	69,070	9	56,627		
1/4		1/4	155,910	1/4	143,467	1/4	131,025	1/4	118,582	1/4	106,139	1/4	93,696	1/4	81,254	1/4	68,811	1/4	56,368		
1/2		1/2	155,651	1/2	143,208	1/2	130,765	1/2	118,323	1/2	105,880	1/2	93,437	1/2	80,994	1/2	68,551	1/2	56,109		
3/4		3/4	155,392	3/4	142,949	3/4	130,506	3/4	118,063	3/4	105,621	3/4	93,178	3/4	80,735	3/4	68,292	3/4	55,849		
10		10	155,133	10	142,690	10	130,247	10	117,804	10	105,361	10	92,919	10	80,476	10	68,033	10	55,590		
1/4		1/4	154,873	1/4	142,431	1/4	129,988	1/4	117,545	1/4	105,102	1/4	92,659	1/4	80,217	1/4	67,774	1/4	55,331		
1/2		1/2	154,614	1/2	142,171	1/2	129,729	1/2	117,286	1/2	104,843	1/2	92,400	1/2	79,957	1/2	67,515	1/2	55,072		
3/4		3/4	154,355	3/4	141,912	3/4	129,469	3/4	117,027	3/4	104,584	3/4	92,141	3/4	79,698	3/4	67,255	3/4	54,813		
11	165,091	11	154,096	11	141,653	11	129,210	11	116,767	11	104,325	11	91,882	11	79,439	11	66,996	11	54,553		
1/4	165,028	1/4	153,836	1/4	141,394	1/4	128,951	1/4	116,508	1/4	104,065	1/4	91,623	1/4	79,180	1/4	66,737	1/4	54,294		
1/2	164,966	1/2	153,577	1/2	141,134	1/2	128,692	1/2	116,249	1/2	103,806	1/2	91,363	1/2	78,920	1/2	66,478	1/2	54,035		
3/4	164,904	3/4	153,318	3/4	140,875	3/4	128,432	3/4	115,990	3/4	103,547	3/4	91,104	3/4	78,661	3/4	66,218	3/4	53,776		

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
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BARGE "IB 1941"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-05"

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	53,516	0	41,074	0	28,883	0	16,440	0	4,007	0		0		0		0		0	
1/4	53,257	1/4	40,814	1/4	28,624	1/4	16,181	1/4	3,750	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	52,998	1/2	40,555	1/2	28,364	1/2	15,922	1/2	3,493	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	52,739	3/4	40,296	3/4	28,105	3/4	15,663	3/4	3,237	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	52,480	1	40,037	1	27,846	1	15,404	1	2,980	1		1		1		1		1	
1/4	52,220	1/4	39,781	1/4	27,587	1/4	15,144	1/4	2,725	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	51,961	1/2	39,526	1/2	27,328	1/2	14,885	1/2	2,470	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	51,702	3/4	39,271	3/4	27,068	3/4	14,626	3/4	2,216	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	51,443	2	39,015	2	26,809	2	14,367	2	1,961	2		2		2		2		2	
1/4	51,183	1/4	38,763	1/4	26,550	1/4	14,108	1/4	1,731	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	50,924	1/2	38,510	1/2	26,291	1/2	13,848	1/2	1,501	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	50,665	3/4	38,257	3/4	26,031	3/4	13,589	3/4	1,271	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	50,406	3	38,004	3	25,772	3	13,330	3	1,041	3		3		3		3		3	
1/4	50,147	1/4	37,751	1/4	25,513	1/4	13,071	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	49,887	1/2	37,498	1/2	25,254	1/2	12,811	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	49,628	3/4	37,245	3/4	24,995	3/4	12,552	3/4	555	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	49,369	4	36,992	4	24,735	4	12,293	4	393	4		4		4		4		4	
1/4	49,110	1/4	36,739	1/4	24,476	1/4	12,034	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	48,850	1/2	36,486	1/2	24,217	1/2	11,775	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	48,591	3/4	36,233	3/4	23,958	3/4	11,515	3/4	167	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	48,332	5	35,980	5	23,699	5	11,256	5	91	5		5		5		5		5	
1/4	48,073	1/4	35,727	1/4	23,439	1/4	10,997	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	47,813	1/2	35,474	1/2	23,180	1/2	10,738	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	47,554	3/4	35,221	3/4	22,921	3/4	10,478	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	47,295	6	34,969	6	22,662	6	10,219	6		6		6		6		6		6	
1/4	47,036	1/4	34,716	1/4	22,402	1/4	9,960	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	46,777	1/2	34,463	1/2	22,143	1/2	9,701	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	46,517	3/4	34,210	3/4	21,884	3/4	9,442	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	46,258	7	33,957	7	21,625	7	9,182	7		7		7		7		7		7	
1/4	45,999	1/4	33,704	1/4	21,366	1/4	8,923	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	45,740	1/2	33,451	1/2	21,106	1/2	8,664	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	45,480	3/4	33,198	3/4	20,847	3/4	8,405	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	45,221	8	32,945	8	20,588	8	8,146	8		8		8		8		8		8	
1/4	44,962	1/4	32,692	1/4	20,329	1/4	7,886	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	44,703	1/2	32,439	1/2	20,069	1/2	7,627	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	44,444	3/4	32,186	3/4	19,810	3/4	7,368	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	44,184	9	31,934	9	19,551	9	7,109	9		9		9		9		9		9	
1/4	43,925	1/4	31,681	1/4	19,292	1/4	6,850	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	43,666	1/2	31,428	1/2	19,033	1/2	6,591	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	43,407	3/4	31,175	3/4	18,773	3/4	6,332	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	43,147	10	30,922	10	18,514	10	6,073	10		10		10		10		10		10	
1/4	42,888	1/4	30,669	1/4	18,255	1/4	5,814	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	42,629	1/2	30,416	1/2	17,996	1/2	5,556	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	42,370	3/4	30,163	3/4	17,737	3/4	5,297	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	42,111	11	29,910	11	17,477	11	5,038	11		11		11		11		11		11	
1/4	41,851	1/4	29,653	1/4	17,218	1/4	4,780	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	41,592	1/2	29,397	1/2	16,959	1/2	4,523	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	41,333	3/4	29,140	3/4	16,700	3/4	4,265	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 1941"

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	163,966	0	153,062	0	140,721	0	128,381	0	116,040	0	103,700	0	91,359	0	79,019	0	66,678
1/4	1/4	1/4	163,905	1/4	152,805	1/4	140,464	1/4	128,124	1/4	115,783	1/4	103,443	1/4	91,102	1/4	78,762	1/4	66,421
1/2	1/2	1/2	163,843	1/2	152,548	1/2	140,207	1/2	127,867	1/2	115,526	1/2	103,186	1/2	90,845	1/2	78,504	1/2	66,164
3/4	3/4	3/4	163,782	3/4	152,291	3/4	139,950	3/4	127,610	3/4	115,269	3/4	102,928	3/4	90,588	3/4	78,247	3/4	65,907
1		1	163,720	1	152,034	1	139,693	1	127,352	1	115,012	1	102,671	1	90,331	1	77,990	1	65,650
1/4	1/4	1/4	163,581	1/4	151,776	1/4	139,436	1/4	127,095	1/4	114,755	1/4	102,414	1/4	90,074	1/4	77,733	1/4	65,393
1/2	1/2	1/2	163,442	1/2	151,519	1/2	139,179	1/2	126,838	1/2	114,498	1/2	102,157	1/2	89,817	1/2	77,476	1/2	65,135
3/4	3/4	3/4	163,302	3/4	151,262	3/4	138,922	3/4	126,581	3/4	114,241	3/4	101,900	3/4	89,559	3/4	77,219	3/4	64,878
2		2	163,163	2	151,005	2	138,665	2	126,324	2	113,984	2	101,643	2	89,302	2	76,962	2	64,621
1/4	1/4	1/4	162,946	1/4	150,748	1/4	138,408	1/4	126,067	1/4	113,726	1/4	101,386	1/4	89,045	1/4	76,705	1/4	64,364
1/2	1/2	1/2	162,728	1/2	150,491	1/2	138,150	1/2	125,810	1/2	113,469	1/2	101,129	1/2	88,788	1/2	76,448	1/2	64,107
3/4	3/4	3/4	162,511	3/4	150,234	3/4	137,893	3/4	125,553	3/4	113,212	3/4	100,872	3/4	88,531	3/4	76,191	3/4	63,850
3		3	162,294	3	149,977	3	137,636	3	125,296	3	112,955	3	100,615	3	88,274	3	75,933	3	63,593
1/4	1/4	1/4	162,042	1/4	149,720	1/4	137,379	1/4	125,039	1/4	112,698	1/4	100,357	1/4	88,017	1/4	75,676	1/4	63,336
1/2	1/2	1/2	161,790	1/2	149,463	1/2	137,122	1/2	124,782	1/2	112,441	1/2	100,100	1/2	87,760	1/2	75,419	1/2	63,079
3/4	3/4	3/4	161,538	3/4	149,206	3/4	136,865	3/4	124,524	3/4	112,184	3/4	99,843	3/4	87,503	3/4	75,162	3/4	62,822
4		4	161,286	4	148,948	4	136,608	4	124,267	4	111,927	4	99,586	4	87,246	4	74,905	4	62,565
1/4	1/4	1/4	161,030	1/4	148,691	1/4	136,351	1/4	124,010	1/4	111,670	1/4	99,329	1/4	86,989	1/4	74,648	1/4	62,307
1/2	1/2	1/2	160,773	1/2	148,434	1/2	136,094	1/2	123,753	1/2	111,413	1/2	99,072	1/2	86,731	1/2	74,391	1/2	62,050
3/4	3/4	3/4	160,517	3/4	148,177	3/4	135,837	3/4	123,496	3/4	111,155	3/4	98,815	3/4	86,474	3/4	74,134	3/4	61,793
5		5	160,260	5	147,920	5	135,580	5	123,239	5	110,898	5	98,558	5	86,217	5	73,877	5	61,536
1/4	1/4	1/4	160,003	1/4	147,663	1/4	135,322	1/4	122,982	1/4	110,641	1/4	98,301	1/4	85,960	1/4	73,620	1/4	61,279
1/2	1/2	1/2	159,746	1/2	147,406	1/2	135,065	1/2	122,725	1/2	110,384	1/2	98,044	1/2	85,703	1/2	73,363	1/2	61,022
3/4	3/4	3/4	159,489	3/4	147,149	3/4	134,808	3/4	122,468	3/4	110,127	3/4	97,787	3/4	85,446	3/4	73,105	3/4	60,765
6		6	159,232	6	146,892	6	134,551	6	122,211	6	109,870	6	97,529	6	85,189	6	72,848	6	60,508
1/4	1/4	1/4	158,975	1/4	146,635	1/4	134,294	1/4	121,953	1/4	109,613	1/4	97,272	1/4	84,932	1/4	72,591	1/4	60,251
1/2	1/2	1/2	158,718	1/2	146,377	1/2	134,037	1/2	121,696	1/2	109,356	1/2	97,015	1/2	84,675	1/2	72,334	1/2	59,994
3/4	3/4	3/4	158,461	3/4	146,120	3/4	133,780	3/4	121,439	3/4	109,099	3/4	96,758	3/4	84,418	3/4	72,077	3/4	59,736
7		7	158,204	7	145,863	7	133,523	7	121,182	7	108,842	7	96,501	7	84,161	7	71,820	7	59,479
1/4	1/4	1/4	157,947	1/4	145,606	1/4	133,266	1/4	120,925	1/4	108,585	1/4	96,244	1/4	83,903	1/4	71,563	1/4	59,222
1/2	1/2	1/2	157,690	1/2	145,349	1/2	133,009	1/2	120,668	1/2	108,327	1/2	95,987	1/2	83,646	1/2	71,306	1/2	58,965
3/4	3/4	3/4	157,433	3/4	145,092	3/4	132,751	3/4	120,411	3/4	108,070	3/4	95,730	3/4	83,389	3/4	71,049	3/4	58,708
8		8	157,175	8	144,835	8	132,494	8	120,154	8	107,813	8	95,473	8	83,132	8	70,792	8	58,451
1/4	1/4	1/4	156,918	1/4	144,578	1/4	132,237	1/4	119,897	1/4	107,556	1/4	95,216	1/4	82,875	1/4	70,534	1/4	58,194
1/2	1/2	1/2	156,661	1/2	144,321	1/2	131,980	1/2	119,640	1/2	107,299	1/2	94,958	1/2	82,618	1/2	70,277	1/2	57,937
3/4	3/4	3/4	156,404	3/4	144,064	3/4	131,723	3/4	119,383	3/4	107,042	3/4	94,701	3/4	82,361	3/4	70,020	3/4	57,680
9		9	156,147	9	143,807	9	131,466	9	119,125	9	106,785	9	94,444	9	82,104	9	69,763	9	57,423
1/4	1/4	1/4	155,890	1/4	143,549	1/4	131,209	1/4	118,868	1/4	106,528	1/4	94,187	1/4	81,847	1/4	69,506	1/4	57,166
1/2	1/2	1/2	155,633	1/2	143,292	1/2	130,952	1/2	118,611	1/2	106,271	1/2	93,930	1/2	81,590	1/2	69,249	1/2	56,908
3/4	3/4	3/4	155,376	3/4	143,035	3/4	130,695	3/4	118,354	3/4	106,014	3/4	93,673	3/4	81,332	3/4	68,992	3/4	56,651
10		10	155,119	10	142,778	10	130,438	10	118,097	10	105,756	10	93,416	10	81,075	10	68,735	10	56,394
1/4	1/4	1/4	154,862	1/4	142,521	1/4	130,181	1/4	117,840	1/4	105,499	1/4	93,159	1/4	80,818	1/4	68,478	1/4	56,137
1/2	1/2	1/2	154,605	1/2	142,264	1/2	129,923	1/2	117,583	1/2	105,242	1/2	92,902	1/2	80,561	1/2	68,221	1/2	55,880
3/4	3/4	3/4	154,347	3/4	142,007	3/4	129,666	3/4	117,326	3/4	104,985	3/4	92,645	3/4	80,304	3/4	67,964	3/4	55,623
11		11	154,090	11	141,750	11	129,409	11	117,069	11	104,728	11	92,388	11	80,047	11	67,706	11	55,366
1/4	1/4	1/4	153,833	1/4	141,493	1/4	129,152	1/4	116,812	1/4	104,471	1/4	92,130	1/4	79,790	1/4	67,449	1/4	55,109
1/2	1/2	1/2	153,576	1/2	141,236	1/2	128,895	1/2	116,554	1/2	104,214	1/2	91,873	1/2	79,533	1/2	67,192	1/2	54,852
3/4	3/4	3/4	153,319	3/4	140,978	3/4	128,638	3/4	116,297	3/4	103,957	3/4	91,616	3/4	79,276	3/4	66,935	3/4	54,595

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

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BARGE "IB 1941"

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	54,337	0	41,997	0	29,673	0	17,334	0	4,997	0		0		0		0		0	
1/4	54,080	1/4	41,740	1/4	29,416	1/4	17,077	1/4	4,741	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	53,823	1/2	41,483	1/2	29,160	1/2	16,820	1/2	4,486	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	53,566	3/4	41,226	3/4	28,903	3/4	16,563	3/4	4,230	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	53,309	1	40,969	1	28,646	1	16,306	1	3,974	1		1		1		1		1	
1/4	53,052	1/4	40,711	1/4	28,389	1/4	16,048	1/4	3,719	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	52,795	1/2	40,454	1/2	28,131	1/2	15,791	1/2	3,465	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	52,538	3/4	40,197	3/4	27,874	3/4	15,534	3/4	3,210	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	52,281	2	39,940	2	27,617	2	15,277	2	2,955	2		2		2		2		2	
1/4	52,024	1/4	39,683	1/4	27,360	1/4	15,020	1/4	2,703	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	51,767	1/2	39,426	1/2	27,103	1/2	14,763	1/2	2,450	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	51,509	3/4	39,170	3/4	26,846	3/4	14,506	3/4	2,198	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	51,252	3	38,913	3	26,589	3	14,249	3	1,945	3		3		3		3		3	
1/4	50,995	1/4	38,656	1/4	26,332	1/4	13,992	1/4	1,717	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	38,399	1/2	26,075	1/2	13,735	1/2	1,489	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	50,481	3/4	38,143	3/4	25,818	3/4	13,478	3/4	1,261	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	50,224	4	37,886	4	25,561	4	13,221	4	1,033	4		4		4		4		4	
1/4	49,967	1/4	37,629	1/4	25,304	1/4	12,963	1/4	872	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	49,710	1/2	37,373	1/2	25,046	1/2	12,706	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	49,453	3/4	37,116	3/4	24,789	3/4	12,449	3/4	551	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	49,196	5	36,859	5	24,532	5	12,192	5	390	5		5		5		5		5	
1/4	48,938	1/4	36,603	1/4	24,275	1/4	11,935	1/4	315	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	48,681	1/2	36,346	1/2	24,018	1/2	11,678	1/2	240	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	48,424	3/4	36,089	3/4	23,761	3/4	11,421	3/4	166	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	48,167	6	35,833	6	23,504	6	11,164	6	91	6		6		6		6		6	
1/4	47,910	1/4	35,576	1/4	23,247	1/4	10,907	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	47,653	1/2	35,319	1/2	22,990	1/2	10,650	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	47,396	3/4	35,063	3/4	22,733	3/4	10,393	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	47,139	7	34,806	7	22,476	7	10,135	7		7		7		7		7		7	
1/4	46,882	1/4	34,550	1/4	22,219	1/4	9,878	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	46,625	1/2	34,293	1/2	21,961	1/2	9,621	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	46,368	3/4	34,036	3/4	21,704	3/4	9,364	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	46,110	8	33,780	8	21,447	8	9,107	8		8		8		8		8		8	
1/4	45,853	1/4	33,523	1/4	21,190	1/4	8,850	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	45,596	1/2	33,266	1/2	20,933	1/2	8,593	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	45,339	3/4	33,010	3/4	20,676	3/4	8,336	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	45,082	9	32,753	9	20,419	9	8,079	9		9		9		9		9		9	
1/4	44,825	1/4	32,496	1/4	20,162	1/4	7,822	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	44,568	1/2	32,240	1/2	19,905	1/2	7,565	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	44,311	3/4	31,983	3/4	19,648	3/4	7,308	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	44,054	10	31,726	10	19,391	10	7,051	10		10		10		10		10		10	
1/4	43,797	1/4	31,470	1/4	19,133	1/4	6,794	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	43,539	1/2	31,213	1/2	18,876	1/2	6,537	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	43,282	3/4	30,957	3/4	18,619	3/4	6,280	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	43,025	11	30,700	11	18,362	11	6,023	11		11		11		11		11		11	
1/4	42,768	1/4	30,443	1/4	18,105	1/4	5,767	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	42,511	1/2	30,187	1/2	17,848	1/2	5,510	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	42,254	3/4	29,930	3/4	17,591	3/4	5,254	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: 09/27/2013 CL
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CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2013

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