



BARGE "IB 1974"

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

(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 3'-11 3/4"

LENGTH BETWEEN DRAFT MARKS: 182'-09"

May 19, 2016

**PRECISION MEASUREMENT
 & ANALYSIS, INC.**
 P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "IB 1974"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-03 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	145,914	0	138,161	0	130,408	0	121,065	0	109,088	0	97,119	0	85,151	0	73,183
1/4	1/4	152,436	1/4	145,752	1/4	138,000	1/4	130,247	1/4	120,816	1/4	108,838	1/4	96,870	1/4	84,902	1/4	72,933	
1/2	1/2	152,426	1/2	145,591	1/2	137,838	1/2	130,085	1/2	120,566	1/2	108,589	1/2	96,621	1/2	84,653	1/2	72,684	
3/4	3/4	152,363	3/4	145,429	3/4	137,676	3/4	129,924	3/4	120,316	3/4	108,340	3/4	96,371	3/4	84,403	3/4	72,435	
1	1	152,301	1	145,268	1	137,515	1	129,762	1	120,066	1	108,090	1	96,122	1	84,154	1	72,185	
1/4	1/4	152,238	1/4	145,106	1/4	137,353	1/4	129,601	1/4	119,816	1/4	107,841	1/4	95,873	1/4	83,905	1/4	71,936	
1/2	1/2	152,176	1/2	144,945	1/2	137,192	1/2	129,439	1/2	119,566	1/2	107,592	1/2	95,623	1/2	83,655	1/2	71,687	
3/4	3/4	152,118	3/4	144,783	3/4	137,030	3/4	129,278	3/4	119,316	3/4	107,342	3/4	95,374	3/4	83,406	3/4	71,437	
2	2	152,061	2	144,622	2	136,869	2	129,116	2	119,067	2	107,093	2	95,125	2	83,157	2	71,188	
1/4	1/4	152,004	1/4	144,460	1/4	136,707	1/4	128,954	1/4	118,817	1/4	106,844	1/4	94,875	1/4	82,907	1/4	70,939	
1/2	1/2	151,946	1/2	144,299	1/2	136,546	1/2	128,793	1/2	118,567	1/2	106,594	1/2	94,626	1/2	82,658	1/2	70,689	
3/4	3/4	151,809	3/4	144,137	3/4	136,384	3/4	128,631	3/4	118,317	3/4	106,345	3/4	94,377	3/4	82,409	3/4	70,440	
3	3	151,672	3	143,976	3	136,223	3	128,470	3	118,067	3	106,096	3	94,127	3	82,159	3	70,191	
1/4	1/4	151,535	1/4	143,814	1/4	136,061	1/4	128,308	1/4	117,817	1/4	105,846	1/4	93,878	1/4	81,910	1/4	69,941	
1/2	1/2	151,397	1/2	143,653	1/2	135,900	1/2	128,147	1/2	117,568	1/2	105,597	1/2	93,629	1/2	81,661	1/2	69,692	
3/4	3/4	151,237	3/4	143,491	3/4	135,738	3/4	127,985	3/4	117,318	3/4	105,348	3/4	93,380	3/4	81,411	3/4	69,443	
4	4	151,078	4	143,330	4	135,577	4	127,824	4	117,068	4	105,098	4	93,130	4	81,162	4	69,193	
1/4	1/4	150,918	1/4	143,168	1/4	135,415	1/4	127,662	1/4	116,818	1/4	104,849	1/4	92,881	1/4	80,913	1/4	68,944	
1/2	1/2	150,758	1/2	143,007	1/2	135,254	1/2	127,501	1/2	116,568	1/2	104,600	1/2	92,632	1/2	80,663	1/2	68,695	
3/4	3/4	150,597	3/4	142,845	3/4	135,092	3/4	127,339	3/4	116,319	3/4	104,350	3/4	92,382	3/4	80,414	3/4	68,445	
5	5	150,436	5	142,684	5	134,931	5	127,178	5	116,070	5	104,101	5	92,133	5	80,164	5	68,196	
1/4	1/4	150,274	1/4	142,522	1/4	134,769	1/4	127,016	1/4	115,820	1/4	103,852	1/4	91,884	1/4	79,915	1/4	67,946	
1/2	1/2	150,113	1/2	142,361	1/2	134,608	1/2	126,855	1/2	115,571	1/2	103,602	1/2	91,634	1/2	79,666	1/2	67,697	
3/4	3/4	149,952	3/4	142,199	3/4	134,446	3/4	126,693	3/4	115,321	3/4	103,353	3/4	91,385	3/4	79,416	3/4	67,448	
6	6	149,790	6	142,038	6	134,285	6	126,532	6	115,072	6	103,103	6	91,136	6	79,167	6	67,200	
1/4	1/4	149,629	1/4	141,876	1/4	134,123	1/4	126,370	1/4	114,823	1/4	102,854	1/4	90,886	1/4	78,918	1/4	66,951	
1/2	1/2	149,467	1/2	141,714	1/2	133,962	1/2	126,209	1/2	114,573	1/2	102,605	1/2	90,637	1/2	78,668	1/2	66,702	
3/4	3/4	149,306	3/4	141,553	3/4	133,800	3/4	126,047	3/4	114,324	3/4	102,355	3/4	90,388	3/4	78,419	3/4	66,453	
7	7	149,144	7	141,391	7	133,639	7	125,886	7	114,075	7	102,106	7	90,138	7	78,170	7	66,205	
1/4	1/4	148,983	1/4	141,230	1/4	133,477	1/4	125,724	1/4	113,825	1/4	101,857	1/4	89,889	1/4	77,920	1/4	65,956	
1/2	1/2	148,821	1/2	141,068	1/2	133,315	1/2	125,563	1/2	113,576	1/2	101,607	1/2	89,640	1/2	77,671	1/2	65,707	
3/4	3/4	148,660	3/4	140,907	3/4	133,154	3/4	125,313	3/4	113,327	3/4	101,358	3/4	89,390	3/4	77,422	3/4	65,458	
8	8	148,498	8	140,745	8	132,992	8	125,063	8	113,077	8	101,109	8	89,141	8	77,172	8	65,210	
1/4	1/4	148,337	1/4	140,584	1/4	132,831	1/4	124,813	1/4	112,828	1/4	100,859	1/4	88,892	1/4	76,923	1/4	64,961	
1/2	1/2	148,175	1/2	140,422	1/2	132,669	1/2	124,563	1/2	112,579	1/2	100,610	1/2	88,642	1/2	76,674	1/2	64,712	
3/4	3/4	148,014	3/4	140,261	3/4	132,508	3/4	124,313	3/4	112,329	3/4	100,361	3/4	88,393	3/4	76,424	3/4	64,463	
9	9	147,852	9	140,099	9	132,346	9	124,064	9	112,080	9	100,111	9	88,144	9	76,175	9	64,215	
1/4	1/4	147,691	1/4	139,938	1/4	132,185	1/4	123,814	1/4	111,831	1/4	99,862	1/4	87,894	1/4	75,926	1/4	63,966	
1/2	1/2	147,529	1/2	139,776	1/2	132,023	1/2	123,564	1/2	111,581	1/2	99,613	1/2	87,645	1/2	75,676	1/2	63,717	
3/4	3/4	147,368	3/4	139,615	3/4	131,862	3/4	123,314	3/4	111,332	3/4	99,363	3/4	87,396	3/4	75,427	3/4	63,468	
10	10	147,206	10	139,453	10	131,700	10	123,064	10	111,083	10	99,114	10	87,146	10	75,178	10	63,220	
1/4	1/4	147,045	1/4	139,292	1/4	131,539	1/4	122,814	1/4	110,833	1/4	98,865	1/4	86,897	1/4	74,928	1/4	62,971	
1/2	1/2	146,883	1/2	139,130	1/2	131,377	1/2	122,564	1/2	110,584	1/2	98,615	1/2	86,647	1/2	74,679	1/2	62,722	
3/4	3/4	146,722	3/4	138,969	3/4	131,216	3/4	122,315	3/4	110,335	3/4	98,366	3/4	86,398	3/4	74,429	3/4	62,473	
11	11	146,560	11	138,807	11	131,054	11	122,065	11	110,085	11	98,117	11	86,149	11	74,180	11	62,225	
1/4	1/4	146,399	1/4	138,646	1/4	130,893	1/4	121,815	1/4	109,836	1/4	97,867	1/4	85,899	1/4	73,931	1/4	61,976	
1/2	1/2	146,237	1/2	138,484	1/2	130,731	1/2	121,565	1/2	109,587	1/2	97,618	1/2	85,650	1/2	73,681	1/2	61,727	
3/4	3/4	146,075	3/4	138,323	3/4	130,570	3/4	121,315	3/4	109,337	3/4	97,369	3/4	85,401	3/4	73,432	3/4	61,478	

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'-09" FORWARD OF AFT BULKHEAD.

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



BARGE "IB 1974"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-03 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	61,230	0	49,274	0	37,324	0	25,608	0	13,639	0	1,688	0		0		0		0	
1/4	60,981	1/4	49,025	1/4	37,082	1/4	25,359	1/4	13,390	1/4	1,452	1/4		1/4		1/4		1/4	
1/2	60,732	1/2	48,775	1/2	36,839	1/2	25,109	1/2	13,140	1/2	1,215	1/2		1/2		1/2		1/2	
3/4	60,483	3/4	48,526	3/4	36,596	3/4	24,860	3/4	12,891	3/4	1,051	3/4		3/4		3/4		3/4	
1	60,235	1	48,277	1	36,353	1	24,611	1	12,641	1	887	1		1		1		1	
1/4	59,986	1/4	48,028	1/4	36,111	1/4	24,361	1/4	12,392	1/4	724	1/4		1/4		1/4		1/4	
1/2	59,737	1/2	47,778	1/2	35,868	1/2	24,112	1/2	12,143	1/2	560	1/2		1/2		1/2		1/2	
3/4	59,488	3/4	47,529	3/4	35,625	3/4	23,862	3/4	11,893	3/4	468	3/4		3/4		3/4		3/4	
2	59,240	2	47,280	2	35,382	2	23,613	2	11,644	2	376	2		2		2		2	
1/4	58,991	1/4	47,031	1/4	35,140	1/4	23,364	1/4	11,395	1/4	285	1/4		1/4		1/4		1/4	
1/2	58,742	1/2	46,782	1/2	34,897	1/2	23,114	1/2	11,145	1/2	193	1/2		1/2		1/2		1/2	
3/4	58,493	3/4	46,532	3/4	34,654	3/4	22,865	3/4	10,896	3/4	151	3/4		3/4		3/4		3/4	
3	58,245	3	46,283	3	34,412	3	22,616	3	10,647	3	109	3		3		3		3	
1/4	57,996	1/4	46,034	1/4	34,169	1/4	22,366	1/4	10,397	1/4	68	1/4		1/4		1/4		1/4	
1/2	57,747	1/2	45,785	1/2	33,926	1/2	22,117	1/2	10,148	1/2	26	1/2		1/2		1/2		1/2	
3/4	57,498	3/4	45,536	3/4	33,684	3/4	21,868	3/4	9,898	3/4		3/4		3/4		3/4		3/4	
4	57,249	4	45,286	4	33,441	4	21,618	4	9,649	4		4		4		4		4	
1/4	57,000	1/4	45,037	1/4	33,198	1/4	21,369	1/4	9,400	1/4		1/4		1/4		1/4		1/4	
1/2	56,750	1/2	44,788	1/2	32,955	1/2	21,120	1/2	9,150	1/2		1/2		1/2		1/2		1/2	
3/4	56,501	3/4	44,539	3/4	32,713	3/4	20,870	3/4	8,901	3/4		3/4		3/4		3/4		3/4	
5	56,252	5	44,289	5	32,470	5	20,621	5	8,651	5		5		5		5		5	
1/4	56,003	1/4	44,040	1/4	32,227	1/4	20,371	1/4	8,401	1/4		1/4		1/4		1/4		1/4	
1/2	55,753	1/2	43,791	1/2	31,985	1/2	20,122	1/2	8,152	1/2		1/2		1/2		1/2		1/2	
3/4	55,504	3/4	43,542	3/4	31,742	3/4	19,873	3/4	7,902	3/4		3/4		3/4		3/4		3/4	
6	55,255	6	43,293	6	31,499	6	19,623	6	7,653	6		6		6		6		6	
1/4	55,006	1/4	43,043	1/4	31,257	1/4	19,374	1/4	7,403	1/4		1/4		1/4		1/4		1/4	
1/2	54,757	1/2	42,794	1/2	31,014	1/2	19,125	1/2	7,153	1/2		1/2		1/2		1/2		1/2	
3/4	54,507	3/4	42,545	3/4	30,771	3/4	18,875	3/4	6,904	3/4		3/4		3/4		3/4		3/4	
7	54,258	7	42,296	7	30,529	7	18,626	7	6,654	7		7		7		7		7	
1/4	54,009	1/4	42,046	1/4	30,286	1/4	18,377	1/4	6,405	1/4		1/4		1/4		1/4		1/4	
1/2	53,760	1/2	41,797	1/2	30,043	1/2	18,127	1/2	6,156	1/2		1/2		1/2		1/2		1/2	
3/4	53,510	3/4	41,548	3/4	29,800	3/4	17,878	3/4	5,906	3/4		3/4		3/4		3/4		3/4	
8	53,261	8	41,299	8	29,558	8	17,629	8	5,656	8		8		8		8		8	
1/4	53,012	1/4	41,050	1/4	29,315	1/4	17,379	1/4	5,407	1/4		1/4		1/4		1/4		1/4	
1/2	52,763	1/2	40,800	1/2	29,072	1/2	17,130	1/2	5,157	1/2		1/2		1/2		1/2		1/2	
3/4	52,514	3/4	40,551	3/4	28,830	3/4	16,881	3/4	4,907	3/4		3/4		3/4		3/4		3/4	
9	52,264	9	40,302	9	28,587	9	16,631	9	4,657	9		9		9		9		9	
1/4	52,015	1/4	40,053	1/4	28,344	1/4	16,382	1/4	4,407	1/4		1/4		1/4		1/4		1/4	
1/2	51,766	1/2	39,803	1/2	28,102	1/2	16,132	1/2	4,158	1/2		1/2		1/2		1/2		1/2	
3/4	51,517	3/4	39,554	3/4	27,852	3/4	15,883	3/4	3,908	3/4		3/4		3/4		3/4		3/4	
10	51,268	10	39,305	10	27,603	10	15,634	10	3,658	10		10		10		10		10	
1/4	51,018	1/4	39,056	1/4	27,353	1/4	15,384	1/4	3,408	1/4		1/4		1/4		1/4		1/4	
1/2	50,769	1/2	38,807	1/2	27,104	1/2	15,135	1/2	3,158	1/2		1/2		1/2		1/2		1/2	
3/4	50,520	3/4	38,557	3/4	26,855	3/4	14,886	3/4	2,909	3/4		3/4		3/4		3/4		3/4	
11	50,271	11	38,308	11	26,605	11	14,636	11	2,660	11		11		11		11		11	
1/4	50,021	1/4	38,059	1/4	26,356	1/4	14,387	1/4	2,411	1/4		1/4		1/4		1/4		1/4	
1/2	49,772	1/2	37,810	1/2	26,107	1/2	14,138	1/2	2,162	1/2		1/2		1/2		1/2		1/2	
3/4	49,523	3/4	37,567	3/4	25,857	3/4	13,888	3/4	1,925	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/18/2016 CL
CALCULATED: 05/19/2016 CL
PRINTED: 05/19/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2016

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



BARGE "IB 1974"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-03 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	151,440	0	139,917	0	128,395	0	116,873	0	105,351	0	93,829	0	82,307	0	70,785
1/4	1/4	161,270	1/4	151,200	1/4	139,677	1/4	128,155	1/4	116,633	1/4	105,111	1/4	93,589	1/4	82,067	1/4	70,545	
1/2	1/2	161,260	1/2	150,959	1/2	139,437	1/2	127,915	1/2	116,393	1/2	104,871	1/2	93,349	1/2	81,827	1/2	70,305	
3/4	3/4	161,200	3/4	150,719	3/4	139,197	3/4	127,675	3/4	116,153	3/4	104,631	3/4	93,109	3/4	81,587	3/4	70,065	
1	1	161,140	1	150,479	1	138,957	1	127,435	1	115,913	1	104,391	1	92,869	1	81,347	1	69,825	
1/4	1/4	161,080	1/4	150,239	1/4	138,717	1/4	127,195	1/4	115,673	1/4	104,151	1/4	92,629	1/4	81,107	1/4	69,585	
1/2	1/2	161,020	1/2	149,999	1/2	138,477	1/2	126,955	1/2	115,433	1/2	103,911	1/2	92,389	1/2	80,867	1/2	69,345	
3/4	3/4	160,880	3/4	149,759	3/4	138,237	3/4	126,715	3/4	115,193	3/4	103,671	3/4	92,149	3/4	80,627	3/4	69,105	
2	2	160,740	2	149,519	2	137,997	2	126,475	2	114,953	2	103,431	2	91,909	2	80,387	2	68,864	
1/4	1/4	160,600	1/4	149,279	1/4	137,757	1/4	126,235	1/4	114,713	1/4	103,191	1/4	91,669	1/4	80,147	1/4	68,624	
1/2	1/2	160,460	1/2	149,039	1/2	137,517	1/2	125,995	1/2	114,473	1/2	102,951	1/2	91,429	1/2	79,907	1/2	68,384	
3/4	3/4	160,243	3/4	148,799	3/4	137,277	3/4	125,755	3/4	114,233	3/4	102,711	3/4	91,189	3/4	79,666	3/4	68,144	
3	3	160,027	3	148,559	3	137,037	3	125,515	3	113,993	3	102,471	3	90,949	3	79,426	3	67,904	
1/4	1/4	159,810	1/4	148,319	1/4	136,797	1/4	125,275	1/4	113,753	1/4	102,231	1/4	90,708	1/4	79,186	1/4	67,664	
1/2	1/2	159,593	1/2	148,079	1/2	136,557	1/2	125,035	1/2	113,513	1/2	101,991	1/2	90,468	1/2	78,946	1/2	67,424	
3/4	3/4	159,355	3/4	147,839	3/4	136,317	3/4	124,795	3/4	113,273	3/4	101,750	3/4	90,228	3/4	78,706	3/4	67,184	
4	4	159,116	4	147,599	4	136,077	4	124,555	4	113,033	4	101,510	4	89,988	4	78,466	4	66,944	
1/4	1/4	158,878	1/4	147,359	1/4	135,837	1/4	124,315	1/4	112,793	1/4	101,270	1/4	89,748	1/4	78,226	1/4	66,704	
1/2	1/2	158,639	1/2	147,119	1/2	135,597	1/2	124,075	1/2	112,552	1/2	101,030	1/2	89,508	1/2	77,986	1/2	66,464	
3/4	3/4	158,400	3/4	146,879	3/4	135,357	3/4	123,835	3/4	112,312	3/4	100,790	3/4	89,268	3/4	77,746	3/4	66,224	
5	5	158,160	5	146,639	5	135,117	5	123,594	5	112,072	5	100,550	5	89,028	5	77,506	5	65,984	
1/4	1/4	157,920	1/4	146,399	1/4	134,877	1/4	123,354	1/4	111,832	1/4	100,310	1/4	88,788	1/4	77,266	1/4	65,744	
1/2	1/2	157,681	1/2	146,159	1/2	134,637	1/2	123,114	1/2	111,592	1/2	100,070	1/2	88,548	1/2	77,026	1/2	65,504	
3/4	3/4	157,441	3/4	145,919	3/4	134,396	3/4	122,874	3/4	111,352	3/4	99,830	3/4	88,308	3/4	76,786	3/4	65,264	
6	6	157,201	6	145,679	6	134,156	6	122,634	6	111,112	6	99,590	6	88,068	6	76,546	6	65,024	
1/4	1/4	156,961	1/4	145,438	1/4	133,916	1/4	122,394	1/4	110,872	1/4	99,350	1/4	87,828	1/4	76,306	1/4	64,784	
1/2	1/2	156,721	1/2	145,198	1/2	133,676	1/2	122,154	1/2	110,632	1/2	99,110	1/2	87,588	1/2	76,066	1/2	64,544	
3/4	3/4	156,481	3/4	144,958	3/4	133,436	3/4	121,914	3/4	110,392	3/4	98,870	3/4	87,348	3/4	75,826	3/4	64,304	
7	7	156,240	7	144,718	7	133,196	7	121,674	7	110,152	7	98,630	7	87,108	7	75,586	7	64,064	
1/4	1/4	156,000	1/4	144,478	1/4	132,956	1/4	121,434	1/4	109,912	1/4	98,390	1/4	86,868	1/4	75,346	1/4	63,824	
1/2	1/2	155,760	1/2	144,238	1/2	132,716	1/2	121,194	1/2	109,672	1/2	98,150	1/2	86,628	1/2	75,106	1/2	63,584	
3/4	3/4	155,520	3/4	143,998	3/4	132,476	3/4	120,954	3/4	109,432	3/4	97,910	3/4	86,388	3/4	74,866	3/4	63,343	
8	8	155,280	8	143,758	8	132,236	8	120,714	8	109,192	8	97,670	8	86,148	8	74,626	8	63,103	
1/4	1/4	155,040	1/4	143,518	1/4	131,996	1/4	120,474	1/4	108,952	1/4	97,430	1/4	85,908	1/4	74,386	1/4	62,863	
1/2	1/2	154,800	1/2	143,278	1/2	131,756	1/2	120,234	1/2	108,712	1/2	97,190	1/2	85,668	1/2	74,146	1/2	62,623	
3/4	3/4	154,560	3/4	143,038	3/4	131,516	3/4	119,994	3/4	108,472	3/4	96,950	3/4	85,428	3/4	73,905	3/4	62,383	
9	9	154,320	9	142,798	9	131,276	9	119,754	9	108,232	9	96,710	9	85,187	9	73,665	9	62,143	
1/4	1/4	154,080	1/4	142,558	1/4	131,036	1/4	119,514	1/4	107,992	1/4	96,470	1/4	84,947	1/4	73,425	1/4	61,903	
1/2	1/2	153,840	1/2	142,318	1/2	130,796	1/2	119,274	1/2	107,752	1/2	96,229	1/2	84,707	1/2	73,185	1/2	61,663	
3/4	3/4	153,600	3/4	142,078	3/4	130,556	3/4	119,034	3/4	107,512	3/4	95,989	3/4	84,467	3/4	72,945	3/4	61,423	
10	10	153,360	10	141,838	10	130,316	10	118,794	10	107,272	10	95,749	10	84,227	10	72,705	10	61,183	
1/4	1/4	153,120	1/4	141,598	1/4	130,076	1/4	118,554	1/4	107,031	1/4	95,509	1/4	83,987	1/4	72,465	1/4	60,943	
1/2	1/2	152,880	1/2	141,358	1/2	129,836	1/2	118,314	1/2	106,791	1/2	95,269	1/2	83,747	1/2	72,225	1/2	60,703	
3/4	3/4	152,640	3/4	141,118	3/4	129,596	3/4	118,073	3/4	106,551	3/4	95,029	3/4	83,507	3/4	71,985	3/4	60,463	
11	11	152,400	11	140,878	11	129,356	11	117,833	11	106,311	11	94,789	11	83,267	11	71,745	11	60,223	
1/4	1/4	152,160	1/4	140,638	1/4	129,116	1/4	117,593	1/4	106,071	1/4	94,549	1/4	83,027	1/4	71,505	1/4	59,983	
1/2	1/2	151,920	1/2	140,398	1/2	128,875	1/2	117,353	1/2	105,831	1/2	94,309	1/2	82,787	1/2	71,265	1/2	59,743	
3/4	3/4	151,680	3/4	140,158	3/4	128,635	3/4	117,113	3/4	105,591	3/4	94,069	3/4	82,547	3/4	71,025	3/4	59,503	

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'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "IB 1974"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-03 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	59,263	0	47,741	0	36,233	0	24,978	0	13,457	0	1,942	0		0		0		0	
1/4	59,023	1/4	47,501	1/4	35,999	1/4	24,738	1/4	13,217	1/4	1,704	1/4		1/4		1/4		1/4	
1/2	58,783	1/2	47,261	1/2	35,766	1/2	24,498	1/2	12,977	1/2	1,466	1/2		1/2		1/2		1/2	
3/4	58,543	3/4	47,020	3/4	35,533	3/4	24,258	3/4	12,737	3/4	1,266	3/4		3/4		3/4		3/4	
1	58,303	1	46,780	1	35,300	1	24,018	1	12,497	1	1,066	1		1		1		1	
1/4	58,063	1/4	46,540	1/4	35,067	1/4	23,778	1/4	12,257	1/4	866	1/4		1/4		1/4		1/4	
1/2	57,822	1/2	46,300	1/2	34,834	1/2	23,538	1/2	12,017	1/2	666	1/2		1/2		1/2		1/2	
3/4	57,582	3/4	46,060	3/4	34,601	3/4	23,298	3/4	11,776	3/4	546	3/4		3/4		3/4		3/4	
2	57,342	2	45,820	2	34,368	2	23,058	2	11,536	2	426	2		2		2		2	
1/4	57,102	1/4	45,580	1/4	34,135	1/4	22,818	1/4	11,296	1/4	306	1/4		1/4		1/4		1/4	
1/2	56,862	1/2	45,340	1/2	33,902	1/2	22,578	1/2	11,056	1/2	186	1/2		1/2		1/2		1/2	
3/4	56,622	3/4	45,100	3/4	33,669	3/4	22,338	3/4	10,816	3/4	146	3/4		3/4		3/4		3/4	
3	56,382	3	44,860	3	33,436	3	22,098	3	10,576	3	106	3		3		3		3	
1/4	56,142	1/4	44,620	1/4	33,203	1/4	21,858	1/4	10,336	1/4	66	1/4		1/4		1/4		1/4	
1/2	55,902	1/2	44,380	1/2	32,970	1/2	21,618	1/2	10,096	1/2	26	1/2		1/2		1/2		1/2	
3/4	55,662	3/4	44,140	3/4	32,737	3/4	21,378	3/4	9,856	3/4		3/4		3/4		3/4		3/4	
4	55,422	4	43,900	4	32,504	4	21,138	4	9,616	4		4		4		4		4	
1/4	55,182	1/4	43,660	1/4	32,271	1/4	20,898	1/4	9,376	1/4		1/4		1/4		1/4		1/4	
1/2	54,942	1/2	43,420	1/2	32,038	1/2	20,658	1/2	9,136	1/2		1/2		1/2		1/2		1/2	
3/4	54,702	3/4	43,180	3/4	31,805	3/4	20,418	3/4	8,896	3/4		3/4		3/4		3/4		3/4	
5	54,462	5	42,940	5	31,572	5	20,178	5	8,656	5		5		5		5		5	
1/4	54,222	1/4	42,700	1/4	31,339	1/4	19,938	1/4	8,416	1/4		1/4		1/4		1/4		1/4	
1/2	53,982	1/2	42,460	1/2	31,106	1/2	19,698	1/2	8,176	1/2		1/2		1/2		1/2		1/2	
3/4	53,742	3/4	42,220	3/4	30,874	3/4	19,458	3/4	7,936	3/4		3/4		3/4		3/4		3/4	
6	53,502	6	41,980	6	30,641	6	19,218	6	7,696	6		6		6		6		6	
1/4	53,262	1/4	41,740	1/4	30,408	1/4	18,978	1/4	7,456	1/4		1/4		1/4		1/4		1/4	
1/2	53,022	1/2	41,499	1/2	30,175	1/2	18,737	1/2	7,216	1/2		1/2		1/2		1/2		1/2	
3/4	52,782	3/4	41,259	3/4	29,942	3/4	18,497	3/4	6,976	3/4		3/4		3/4		3/4		3/4	
7	52,541	7	41,019	7	29,709	7	18,257	7	6,736	7		7		7		7		7	
1/4	52,301	1/4	40,779	1/4	29,476	1/4	18,017	1/4	6,496	1/4		1/4		1/4		1/4		1/4	
1/2	52,061	1/2	40,539	1/2	29,243	1/2	17,777	1/2	6,256	1/2		1/2		1/2		1/2		1/2	
3/4	51,821	3/4	40,299	3/4	29,010	3/4	17,537	3/4	6,016	3/4		3/4		3/4		3/4		3/4	
8	51,581	8	40,059	8	28,777	8	17,297	8	5,776	8		8		8		8		8	
1/4	51,341	1/4	39,819	1/4	28,544	1/4	17,057	1/4	5,536	1/4		1/4		1/4		1/4		1/4	
1/2	51,101	1/2	39,579	1/2	28,311	1/2	16,817	1/2	5,296	1/2		1/2		1/2		1/2		1/2	
3/4	50,861	3/4	39,339	3/4	28,078	3/4	16,577	3/4	5,056	3/4		3/4		3/4		3/4		3/4	
9	50,621	9	39,099	9	27,845	9	16,337	9	4,816	9		9		9		9		9	
1/4	50,381	1/4	38,859	1/4	27,612	1/4	16,097	1/4	4,576	1/4		1/4		1/4		1/4		1/4	
1/2	50,141	1/2	38,619	1/2	27,379	1/2	15,857	1/2	4,336	1/2		1/2		1/2		1/2		1/2	
3/4	49,901	3/4	38,379	3/4	27,139	3/4	15,617	3/4	4,096	3/4		3/4		3/4		3/4		3/4	
10	49,661	10	38,139	10	26,899	10	15,377	10	3,856	10		10		10		10		10	
1/4	49,421	1/4	37,899	1/4	26,659	1/4	15,137	1/4	3,616	1/4		1/4		1/4		1/4		1/4	
1/2	49,181	1/2	37,659	1/2	26,419	1/2	14,897	1/2	3,376	1/2		1/2		1/2		1/2		1/2	
3/4	48,941	3/4	37,419	3/4	26,179	3/4	14,657	3/4	3,136	3/4		3/4		3/4		3/4		3/4	
11	48,701	11	37,179	11	25,939	11	14,417	11	2,897	11		11		11		11		11	
1/4	48,461	1/4	36,939	1/4	25,699	1/4	14,177	1/4	2,657	1/4		1/4		1/4		1/4		1/4	
1/2	48,221	1/2	36,699	1/2	25,458	1/2	13,937	1/2	2,418	1/2		1/2		1/2		1/2		1/2	
3/4	47,981	3/4	36,466	3/4	25,218	3/4	13,697	3/4	2,180	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/18/2016 CL
CALCULATED: 05/19/2016 CL
PRINTED: 05/19/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2016

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



BARGE "IB 1974"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-03 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	150,642	0	139,201	0	127,759	0	116,318	0	104,876	0	93,435	0	81,993	0	70,552
1/4	1/4	160,404	1/4	150,404	1/4	138,963	1/4	127,521	1/4	116,080	1/4	104,638	1/4	93,197	1/4	81,755	1/4	70,314	
1/2	1/2	160,394	1/2	150,166	1/2	138,724	1/2	127,283	1/2	115,841	1/2	104,400	1/2	92,958	1/2	81,517	1/2	70,075	
3/4	3/4	160,334	3/4	149,927	3/4	138,486	3/4	127,044	3/4	115,603	3/4	104,161	3/4	92,720	3/4	81,278	3/4	69,837	
1	1	160,275	1	149,689	1	138,247	1	126,806	1	115,364	1	103,923	1	92,481	1	81,040	1	69,598	
1/4	1/4	160,215	1/4	149,451	1/4	138,009	1/4	126,568	1/4	115,126	1/4	103,685	1/4	92,243	1/4	80,802	1/4	69,360	
1/2	1/2	160,156	1/2	149,212	1/2	137,771	1/2	126,329	1/2	114,888	1/2	103,446	1/2	92,005	1/2	80,563	1/2	69,122	
3/4	3/4	160,017	3/4	148,974	3/4	137,532	3/4	126,091	3/4	114,649	3/4	103,208	3/4	91,766	3/4	80,325	3/4	68,883	
2	2	159,878	2	148,735	2	137,294	2	125,852	2	114,411	2	102,969	2	91,528	2	80,087	2	68,645	
1/4	1/4	159,739	1/4	148,497	1/4	137,056	1/4	125,614	1/4	114,173	1/4	102,731	1/4	91,290	1/4	79,848	1/4	68,407	
1/2	1/2	159,600	1/2	148,259	1/2	136,817	1/2	125,376	1/2	113,934	1/2	102,493	1/2	91,051	1/2	79,610	1/2	68,168	
3/4	3/4	159,384	3/4	148,020	3/4	136,579	3/4	125,137	3/4	113,696	3/4	102,254	3/4	90,813	3/4	79,371	3/4	67,930	
3	3	159,169	3	147,782	3	136,341	3	124,899	3	113,458	3	102,016	3	90,575	3	79,133	3	67,692	
1/4	1/4	158,954	1/4	147,544	1/4	136,102	1/4	124,661	1/4	113,219	1/4	101,778	1/4	90,336	1/4	78,895	1/4	67,453	
1/2	1/2	158,739	1/2	147,305	1/2	135,864	1/2	124,422	1/2	112,981	1/2	101,539	1/2	90,098	1/2	78,656	1/2	67,215	
3/4	3/4	158,502	3/4	147,067	3/4	135,625	3/4	124,184	3/4	112,742	3/4	101,301	3/4	89,859	3/4	78,418	3/4	66,976	
4	4	158,265	4	146,829	4	135,387	4	123,946	4	112,504	4	101,063	4	89,621	4	78,180	4	66,738	
1/4	1/4	158,028	1/4	146,590	1/4	135,149	1/4	123,707	1/4	112,266	1/4	100,824	1/4	89,383	1/4	77,941	1/4	66,500	
1/2	1/2	157,792	1/2	146,352	1/2	134,910	1/2	123,469	1/2	112,027	1/2	100,586	1/2	89,144	1/2	77,703	1/2	66,261	
3/4	3/4	157,554	3/4	146,113	3/4	134,672	3/4	123,230	3/4	111,789	3/4	100,347	3/4	88,906	3/4	77,464	3/4	66,023	
5	5	157,316	5	145,875	5	134,434	5	122,992	5	111,551	5	100,109	5	88,668	5	77,226	5	65,785	
1/4	1/4	157,078	1/4	145,637	1/4	134,195	1/4	122,754	1/4	111,312	1/4	99,871	1/4	88,429	1/4	76,988	1/4	65,546	
1/2	1/2	156,840	1/2	145,398	1/2	133,957	1/2	122,515	1/2	111,074	1/2	99,632	1/2	88,191	1/2	76,749	1/2	65,308	
3/4	3/4	156,601	3/4	145,160	3/4	133,719	3/4	122,277	3/4	110,836	3/4	99,394	3/4	87,953	3/4	76,511	3/4	65,070	
6	6	156,363	6	144,922	6	133,480	6	122,039	6	110,597	6	99,156	6	87,714	6	76,273	6	64,831	
1/4	1/4	156,125	1/4	144,683	1/4	133,242	1/4	121,800	1/4	110,359	1/4	98,917	1/4	87,476	1/4	76,034	1/4	64,593	
1/2	1/2	155,886	1/2	144,445	1/2	133,003	1/2	121,562	1/2	110,120	1/2	98,679	1/2	87,237	1/2	75,796	1/2	64,354	
3/4	3/4	155,648	3/4	144,207	3/4	132,765	3/4	121,324	3/4	109,882	3/4	98,441	3/4	86,999	3/4	75,558	3/4	64,116	
7	7	155,410	7	143,968	7	132,527	7	121,085	7	109,644	7	98,202	7	86,761	7	75,319	7	63,878	
1/4	1/4	155,171	1/4	143,730	1/4	132,288	1/4	120,847	1/4	109,405	1/4	97,964	1/4	86,522	1/4	75,081	1/4	63,639	
1/2	1/2	154,933	1/2	143,491	1/2	132,050	1/2	120,608	1/2	109,167	1/2	97,725	1/2	86,284	1/2	74,842	1/2	63,401	
3/4	3/4	154,695	3/4	143,253	3/4	131,812	3/4	120,370	3/4	108,929	3/4	97,487	3/4	86,046	3/4	74,604	3/4	63,163	
8	8	154,456	8	143,015	8	131,573	8	120,132	8	108,690	8	97,249	8	85,807	8	74,366	8	62,924	
1/4	1/4	154,218	1/4	142,776	1/4	131,335	1/4	119,893	1/4	108,452	1/4	97,010	1/4	85,569	1/4	74,127	1/4	62,686	
1/2	1/2	153,980	1/2	142,538	1/2	131,097	1/2	119,655	1/2	108,214	1/2	96,772	1/2	85,331	1/2	73,889	1/2	62,448	
3/4	3/4	153,741	3/4	142,300	3/4	130,858	3/4	119,417	3/4	107,975	3/4	96,534	3/4	85,092	3/4	73,651	3/4	62,209	
9	9	153,503	9	142,061	9	130,620	9	119,178	9	107,737	9	96,295	9	84,854	9	73,412	9	61,971	
1/4	1/4	153,264	1/4	141,823	1/4	130,381	1/4	118,940	1/4	107,498	1/4	96,057	1/4	84,615	1/4	73,174	1/4	61,732	
1/2	1/2	153,026	1/2	141,585	1/2	130,143	1/2	118,702	1/2	107,260	1/2	95,819	1/2	84,377	1/2	72,936	1/2	61,494	
3/4	3/4	152,788	3/4	141,346	3/4	129,905	3/4	118,463	3/4	107,022	3/4	95,580	3/4	84,139	3/4	72,697	3/4	61,256	
10	10	152,549	10	141,108	10	129,666	10	118,225	10	106,783	10	95,342	10	83,900	10	72,459	10	61,017	
1/4	1/4	152,311	1/4	140,869	1/4	129,428	1/4	117,986	1/4	106,545	1/4	95,103	1/4	83,662	1/4	72,220	1/4	60,779	
1/2	1/2	152,073	1/2	140,631	1/2	129,190	1/2	117,748	1/2	106,307	1/2	94,865	1/2	83,424	1/2	71,982	1/2	60,541	
3/4	3/4	151,834	3/4	140,393	3/4	128,951	3/4	117,510	3/4	106,068	3/4	94,627	3/4	83,185	3/4	71,744	3/4	60,302	
11	11	151,596	11	140,154	11	128,713	11	117,271	11	105,830	11	94,388	11	82,947	11	71,505	11	60,064	
1/4	1/4	151,357	1/4	139,916	1/4	128,475	1/4	117,033	1/4	105,592	1/4	94,150	1/4	82,709	1/4	71,267	1/4	59,826	
1/2	1/2	151,119	1/2	139,678	1/2	128,236	1/2	116,795	1/2	105,353	1/2	93,912	1/2	82,470	1/2	71,029	1/2	59,587	
3/4	3/4	150,881	3/4	139,439	3/4	127,998	3/4	116,556	3/4	105,115	3/4	93,673	3/4	82,232	3/4	70,790	3/4	59,349	

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'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "IB 1974"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-03 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	59,110	0	47,669	0	36,228	0	24,804	0	13,363	0	1,929	0		0		0		0	
1/4	58,872	1/4	47,431	1/4	35,990	1/4	24,565	1/4	13,124	1/4	1,692	1/4		1/4		1/4		1/4	
1/2	58,634	1/2	47,192	1/2	35,752	1/2	24,327	1/2	12,886	1/2	1,456	1/2		1/2		1/2		1/2	
3/4	58,395	3/4	46,954	3/4	35,514	3/4	24,089	3/4	12,648	3/4	1,257	3/4		3/4		3/4		3/4	
1	58,157	1	46,715	1	35,276	1	23,850	1	12,409	1	1,059	1		1		1		1	
1/4	57,919	1/4	46,477	1/4	35,038	1/4	23,612	1/4	12,171	1/4	860	1/4		1/4		1/4		1/4	
1/2	57,680	1/2	46,239	1/2	34,800	1/2	23,374	1/2	11,933	1/2	662	1/2		1/2		1/2		1/2	
3/4	57,442	3/4	46,000	3/4	34,562	3/4	23,135	3/4	11,694	3/4	543	3/4		3/4		3/4		3/4	
2	57,204	2	45,762	2	34,325	2	22,897	2	11,456	2	424	2		2		2		2	
1/4	56,965	1/4	45,524	1/4	34,087	1/4	22,659	1/4	11,217	1/4	304	1/4		1/4		1/4		1/4	
1/2	56,727	1/2	45,285	1/2	33,849	1/2	22,420	1/2	10,979	1/2	185	1/2		1/2		1/2		1/2	
3/4	56,488	3/4	45,047	3/4	33,611	3/4	22,182	3/4	10,741	3/4	145	3/4		3/4		3/4		3/4	
3	56,250	3	44,809	3	33,373	3	21,943	3	10,502	3	106	3		3		3		3	
1/4	56,012	1/4	44,570	1/4	33,135	1/4	21,705	1/4	10,264	1/4	66	1/4		1/4		1/4		1/4	
1/2	55,773	1/2	44,332	1/2	32,897	1/2	21,467	1/2	10,026	1/2	26	1/2		1/2		1/2		1/2	
3/4	55,535	3/4	44,093	3/4	32,659	3/4	21,228	3/4	9,787	3/4		3/4		3/4		3/4		3/4	
4	55,297	4	43,855	4	32,421	4	20,990	4	9,549	4		4		4		4		4	
1/4	55,058	1/4	43,617	1/4	32,183	1/4	20,752	1/4	9,311	1/4		1/4		1/4		1/4		1/4	
1/2	54,820	1/2	43,378	1/2	31,945	1/2	20,513	1/2	9,072	1/2		1/2		1/2		1/2		1/2	
3/4	54,582	3/4	43,140	3/4	31,708	3/4	20,275	3/4	8,834	3/4		3/4		3/4		3/4		3/4	
5	54,343	5	42,902	5	31,470	5	20,037	5	8,596	5		5		5		5		5	
1/4	54,105	1/4	42,663	1/4	31,232	1/4	19,798	1/4	8,357	1/4		1/4		1/4		1/4		1/4	
1/2	53,866	1/2	42,425	1/2	30,994	1/2	19,560	1/2	8,119	1/2		1/2		1/2		1/2		1/2	
3/4	53,628	3/4	42,187	3/4	30,756	3/4	19,322	3/4	7,881	3/4		3/4		3/4		3/4		3/4	
6	53,390	6	41,948	6	30,518	6	19,083	6	7,642	6		6		6		6		6	
1/4	53,151	1/4	41,710	1/4	30,280	1/4	18,845	1/4	7,404	1/4		1/4		1/4		1/4		1/4	
1/2	52,913	1/2	41,471	1/2	30,042	1/2	18,606	1/2	7,165	1/2		1/2		1/2		1/2		1/2	
3/4	52,675	3/4	41,233	3/4	29,804	3/4	18,368	3/4	6,927	3/4		3/4		3/4		3/4		3/4	
7	52,436	7	40,995	7	29,566	7	18,130	7	6,689	7		7		7		7		7	
1/4	52,198	1/4	40,756	1/4	29,328	1/4	17,891	1/4	6,450	1/4		1/4		1/4		1/4		1/4	
1/2	51,959	1/2	40,518	1/2	29,091	1/2	17,653	1/2	6,212	1/2		1/2		1/2		1/2		1/2	
3/4	51,721	3/4	40,280	3/4	28,853	3/4	17,415	3/4	5,974	3/4		3/4		3/4		3/4		3/4	
8	51,483	8	40,041	8	28,615	8	17,176	8	5,735	8		8		8		8		8	
1/4	51,244	1/4	39,803	1/4	28,377	1/4	16,938	1/4	5,497	1/4		1/4		1/4		1/4		1/4	
1/2	51,006	1/2	39,565	1/2	28,139	1/2	16,700	1/2	5,259	1/2		1/2		1/2		1/2		1/2	
3/4	50,768	3/4	39,326	3/4	27,901	3/4	16,461	3/4	5,020	3/4		3/4		3/4		3/4		3/4	
9	50,529	9	39,088	9	27,663	9	16,223	9	4,782	9		9		9		9		9	
1/4	50,291	1/4	38,849	1/4	27,425	1/4	15,985	1/4	4,544	1/4		1/4		1/4		1/4		1/4	
1/2	50,053	1/2	38,611	1/2	27,187	1/2	15,746	1/2	4,305	1/2		1/2		1/2		1/2		1/2	
3/4	49,814	3/4	38,373	3/4	26,949	3/4	15,508	3/4	4,067	3/4		3/4		3/4		3/4		3/4	
10	49,576	10	38,134	10	26,711	10	15,270	10	3,829	10		10		10		10		10	
1/4	49,337	1/4	37,896	1/4	26,472	1/4	15,031	1/4	3,591	1/4		1/4		1/4		1/4		1/4	
1/2	49,099	1/2	37,658	1/2	26,234	1/2	14,793	1/2	3,352	1/2		1/2		1/2		1/2		1/2	
3/4	48,861	3/4	37,419	3/4	25,996	3/4	14,554	3/4	3,114	3/4		3/4		3/4		3/4		3/4	
11	48,622	11	37,181	11	25,757	11	14,316	11	2,877	11		11		11		11		11	
1/4	48,384	1/4	36,943	1/4	25,519	1/4	14,078	1/4	2,639	1/4		1/4		1/4		1/4		1/4	
1/2	48,146	1/2	36,704	1/2	25,280	1/2	13,839	1/2	2,401	1/2		1/2		1/2		1/2		1/2	
3/4	47,907	3/4	36,466	3/4	25,042	3/4	13,601	3/4	2,165	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/18/2016 CL
CALCULATED: 05/19/2016 CL
PRINTED: 05/19/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2016

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