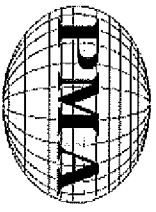


6-21/05



BARGE "IB 1311"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN
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	-00-3/8	00-3/8
2 CENTER	-00-1/4	00-1/4	-00-3/8	00-3/8	-00-5/8	00-5/8	-00-7/8	00-7/8	-01-1/8	01-1/8	-01-1/4	01-1/4
3 CENTER	-00-1/4	00-1/4	-00-3/8	00-3/8	-00-5/8	00-5/8	-00-3/4	00-3/4	-01-0/8	01-0/8	-01-1/8	01-1/8

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

LENGTH BETWEEN DRAFT MARKS: 163'-03"

September 18, 2019

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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 Pearland, Texas 77588

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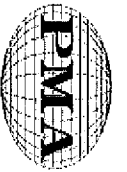
1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS												GAUGE HEIGHT 16'-01 1/4"											
0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.					
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0				
1/4	170,417	1/4	170,417	1/4	160,668	1/4	150,479	1/4	140,289	1/4	130,100	1/4	119,201	1/4	107,293	1/4	95,380	1/4	83,468				
1/2	170,350	1/2	170,350	1/2	160,456	1/2	150,266	1/2	140,077	1/2	129,887	1/2	118,953	1/2	107,045	1/2	95,132	1/2	83,219				
3/4	170,205	3/4	170,205	3/4	160,244	3/4	150,054	3/4	139,865	3/4	129,675	3/4	118,705	3/4	106,797	3/4	94,884	3/4	82,971				
1	170,060	1	170,060	1	160,031	1	149,842	1	139,652	1	129,463	1	118,457	1	106,548	1	94,636	1	82,723				
1 1/4	169,914	1 1/4	169,914	1 1/4	159,819	1 1/4	149,630	1 1/4	139,440	1 1/4	129,250	1 1/4	118,209	1 1/4	106,300	1 1/4	94,388	1 1/4	82,475				
1 1/2	169,769	1 1/2	169,769	1 1/2	159,674	1 1/2	149,485	1 1/2	139,295	1 1/2	129,105	1 1/2	118,019	1 1/2	106,052	1 1/2	94,139	1 1/2	82,227				
1 3/4	169,624	1 3/4	169,624	1 3/4	159,529	1 3/4	149,340	1 3/4	139,151	1 3/4	128,961	1 3/4	117,774	1 3/4	105,804	1 3/4	93,891	1 3/4	81,979				
2	169,479	2	169,479	2	159,384	2	149,195	2	138,903	2	128,714	2	117,528	2	105,556	2	93,643	2	81,732				
2 1/4	169,334	2 1/4	169,334	2 1/4	159,239	2 1/4	149,050	2 1/4	138,714	2 1/4	128,525	2 1/4	117,382	2 1/4	105,308	2 1/4	93,395	2 1/4	81,485				
2 1/2	169,189	2 1/2	169,189	2 1/2	159,094	2 1/2	148,861	2 1/2	138,525	2 1/2	128,336	2 1/2	117,250	2 1/2	105,060	2 1/2	93,147	2 1/2	81,237				
2 3/4	169,044	2 3/4	169,044	2 3/4	158,949	2 3/4	148,717	2 3/4	138,336	2 3/4	128,147	2 3/4	117,118	2 3/4	104,811	2 3/4	92,898	2 3/4	80,990				
3	168,899	3	168,899	3	158,804	3	148,572	3	138,147	3	127,958	3	116,922	3	104,563	3	92,650	3	80,743				
3 1/4	168,754	3 1/4	168,754	3 1/4	158,659	3 1/4	148,437	3 1/4	137,958	3 1/4	127,764	3 1/4	116,775	3 1/4	104,315	3 1/4	92,402	3 1/4	80,496				
3 1/2	168,609	3 1/2	168,609	3 1/2	158,514	3 1/2	148,292	3 1/2	137,742	3 1/2	127,552	3 1/2	116,627	3 1/2	104,067	3 1/2	92,154	3 1/2	80,249				
3 3/4	168,464	3 3/4	168,464	3 3/4	158,369	3 3/4	148,147	3 3/4	137,526	3 3/4	127,340	3 3/4	116,479	3 3/4	103,818	3 3/4	91,906	3 3/4	80,001				
4	168,319	4	168,319	4	158,224	4	147,901	4	137,305	4	127,128	4	116,231	4	103,570	4	91,658	4	79,754				
4 1/4	168,174	4 1/4	168,174	4 1/4	158,079	4 1/4	147,756	4 1/4	137,095	4 1/4	126,915	4 1/4	116,083	4 1/4	103,322	4 1/4	91,410	4 1/4	79,507				
4 1/2	168,029	4 1/2	168,029	4 1/2	157,934	4 1/2	147,607	4 1/2	136,880	4 1/2	126,703	4 1/2	115,937	4 1/2	103,074	4 1/2	91,161	4 1/2	79,260				
4 3/4	167,884	4 3/4	167,884	4 3/4	157,789	4 3/4	147,460	4 3/4	136,735	4 3/4	126,491	4 3/4	115,791	4 3/4	102,826	4 3/4	90,913	4 3/4	79,013				
5	167,739	5	167,739	5	157,644	5	147,311	5	136,580	5	126,279	5	115,646	5	102,578	5	90,665	5	78,766				
5 1/4	167,594	5 1/4	167,594	5 1/4	157,499	5 1/4	147,166	5 1/4	136,435	5 1/4	126,066	5 1/4	115,501	5 1/4	102,329	5 1/4	90,417	5 1/4	78,519				
5 1/2	167,449	5 1/2	167,449	5 1/2	157,354	5 1/2	147,011	5 1/2	136,290	5 1/2	125,854	5 1/2	115,356	5 1/2	102,081	5 1/2	90,168	5 1/2	78,272				
5 3/4	167,304	5 3/4	167,304	5 3/4	157,209	5 3/4	146,866	5 3/4	136,145	5 3/4	125,642	5 3/4	115,211	5 3/4	101,833	5 3/4	89,920	5 3/4	78,024				
6	167,159	6	167,159	6	157,064	6	146,721	6	136,000	6	125,429	6	115,066	6	101,585	6	89,672	6	77,777				
6 1/4	167,014	6 1/4	167,014	6 1/4	156,919	6 1/4	146,576	6 1/4	135,855	6 1/4	125,217	6 1/4	114,921	6 1/4	101,337	6 1/4	89,424	6 1/4	77,530				
6 1/2	166,869	6 1/2	166,869	6 1/2	156,774	6 1/2	146,431	6 1/2	135,710	6 1/2	125,005	6 1/2	114,776	6 1/2	101,088	6 1/2	89,176	6 1/2	77,283				
6 3/4	166,724	6 3/4	166,724	6 3/4	156,629	6 3/4	146,286	6 3/4	135,565	6 3/4	124,793	6 3/4	114,631	6 3/4	100,840	6 3/4	88,928	6 3/4	77,036				
7	166,579	7	166,579	7	156,484	7	146,141	7	135,420	7	124,567	7	114,486	7	100,592	7	88,680	7	76,789				
7 1/4	166,434	7 1/4	166,434	7 1/4	156,339	7 1/4	146,000	7 1/4	135,275	7 1/4	124,342	7 1/4	114,341	7 1/4	100,344	7 1/4	88,431	7 1/4	76,542				
7 1/2	166,289	7 1/2	166,289	7 1/2	156,194	7 1/2	145,855	7 1/2	135,130	7 1/2	124,117	7 1/2	114,196	7 1/2	100,096	7 1/2	88,183	7 1/2	76,295				
7 3/4	166,144	7 3/4	166,144	7 3/4	156,049	7 3/4	145,710	7 3/4	134,985	7 3/4	123,891	7 3/4	114,051	7 3/4	99,848	7 3/4	87,935	7 3/4	76,047				
8	166,000	8	166,000	8	155,904	8	145,565	8	134,840	8	123,648	8	113,906	8	99,599	8	87,687	8	75,800				
8 1/4	165,855	8 1/4	165,855	8 1/4	155,759	8 1/4	145,420	8 1/4	134,695	8 1/4	123,405	8 1/4	113,761	8 1/4	99,351	8 1/4	87,438	8 1/4	75,553				
8 1/2	165,710	8 1/2	165,710	8 1/2	155,614	8 1/2	145,275	8 1/2	134,550	8 1/2	123,162	8 1/2	113,616	8 1/2	99,103	8 1/2	87,190	8 1/2	75,306				
8 3/4	165,565	8 3/4	165,565	8 3/4	155,469	8 3/4	145,130	8 3/4	134,405	8 3/4	122,917	8 3/4	113,471	8 3/4	98,855	8 3/4	86,942	8 3/4	75,059				
9	165,420	9	165,420	9	155,324	9	144,985	9	134,260	9	122,672	9	113,326	9	98,607	9	86,694	9	74,812				
9 1/4	165,275	9 1/4	165,275	9 1/4	155,179	9 1/4	144,840	9 1/4	134,115	9 1/4	122,423	9 1/4	113,181	9 1/4	98,359	9 1/4	86,446	9 1/4	74,565				
9 1/2	165,130	9 1/2	165,130	9 1/2	155,034	9 1/2	144,695	9 1/2	133,970	9 1/2	122,175	9 1/2	113,036	9 1/2	98,110	9 1/2	86,198	9 1/2	74,318				
9 3/4	165,000	9 3/4	165,000	9 3/4	154,889	9 3/4	144,550	9 3/4	133,825	9 3/4	121,927	9 3/4	112,891	9 3/4	97,862	9 3/4	85,949	9 3/4	74,070				
10	164,855	10	164,855	10	154,744	10	144,405	10	133,680	10	121,679	10	112,746	10	97,614	10	85,701	10	73,823				
10 1/4	164,710	10 1/4	164,710	10 1/4	154,599	10 1/4	144,260	10 1/4	133,535	10 1/4	121,431	10 1/4	112,601	10 1/4	97,366	10 1/4	85,453	10 1/4	73,576				
10 1/2	164,565	10 1/2	164,565	10 1/2	154,454	10 1/2	144,115	10 1/2	133,385	10 1/2	121,186	10 1/2	112,456	10 1/2	97,118	10 1/2	85,205	10 1/2	73,329				
10 3/4	164,420	10 3/4	164,420	10 3/4	154,309	10 3/4	143,970	10 3/4	133,240	10 3/4	120,941	10 3/4	112,311	10 3/4	96,869	10 3/4	84,957	10 3/4	73,082				
11	164,275	11	164,275	11	154,164	11	143,825	11	133,095	11	120,696	11	112,166	11	96,621	11	84,708	11	72,835				
11 1/4	164,130	11 1/4	164,130	11 1/4	154,019	11 1/4	143,680	11 1/4	132,950	11 1/4	120,451	11 1/4	112,021	11 1/4	96,373	11 1/4	84,460	11 1/4	72,588				
11 1/2	164,000	11 1/2	164,000	11 1/2	153,874	11 1/2	143,535	11 1/2	132,805	11 1/2	120,206	11 1/2	111,876	11 1/2	96,125	11 1/2	84,212	11 1/2	72,341				
11 3/4	163,855	11 3/4	163,855	11 3/4	153,729	11 3/4	143,390	11 3/4	132,660	11 3/4	119,961	11 3/4	111,731	11 3/4	95,877	11 3/4	83,964	11 3/4	72,093				
12	163,710	12	163,710	12	153,584	12	143,245	12	132,515	12	119,716	12	111,586	12	95,629	12	83,716	12	71,845				

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'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P. O. Box 2092
 Pearland, Texas 77588
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BARGE "IB 1311"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-01 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	71,597	0	59,689	0	47,781	0	35,958	0	24,284	0	12,357	0	700	0	0	0	0	0	0
1/4	71,349	1/4	59,441	1/4	47,533	1/4	35,718	1/4	24,036	1/4	12,108	1/4	529	1/4	12,108	1/4	10,144	1/4	8,180
1/2	71,101	1/2	59,193	1/2	47,285	1/2	35,479	1/2	23,788	1/2	11,859	1/2	454	1/2	11,859	1/2	9,895	1/2	7,931
3/4	70,853	3/4	58,945	3/4	47,037	3/4	35,239	3/4	23,539	3/4	11,610	3/4	380	3/4	11,610	3/4	9,651	3/4	7,683
1	70,605	1	58,697	1	46,789	1	34,999	1	23,291	1	11,362	1	305	1	11,362	1	9,393	1	7,425
1/4	70,357	1/4	58,449	1/4	46,541	1/4	34,760	1/4	23,043	1/4	11,113	1/4	230	1/4	11,113	1/4	9,143	1/4	7,185
1/2	70,109	1/2	58,201	1/2	46,293	1/2	34,520	1/2	22,795	1/2	10,864	1/2	155	1/2	10,864	1/2	8,894	1/2	6,936
3/4	69,861	3/4	57,953	3/4	46,045	3/4	34,281	3/4	22,546	3/4	10,615	3/4	100	3/4	10,615	3/4	8,645	3/4	6,687
1	69,613	1	57,705	1	45,797	1	34,041	1	22,298	1	10,367	1	2	1	10,367	1	8,396	1	6,438
1/4	69,364	1/4	57,457	1/4	45,549	1/4	33,801	1/4	22,050	1/4	10,118	1/4	1	1/4	10,118	1/4	8,147	1/4	6,189
1/2	69,116	1/2	57,208	1/2	45,300	1/2	33,562	1/2	21,802	1/2	9,869	1/2	1	1/2	9,869	1/2	7,898	1/2	5,940
3/4	68,868	3/4	56,960	3/4	45,052	3/4	33,322	3/4	21,553	3/4	9,621	3/4	1	3/4	9,621	3/4	7,647	3/4	5,691
1	68,620	1	56,712	1	44,804	1	33,083	1	21,305	1	9,372	1	3	1	9,372	1	7,398	1	5,442
1/4	68,372	1/4	56,464	1/4	44,556	1/4	32,843	1/4	21,057	1/4	9,123	1/4	3	1/4	9,123	1/4	7,149	1/4	5,193
1/2	68,124	1/2	56,216	1/2	44,308	1/2	32,603	1/2	20,809	1/2	8,874	1/2	3	1/2	8,874	1/2	6,900	1/2	4,944
3/4	67,876	3/4	55,968	3/4	44,060	3/4	32,364	3/4	20,561	3/4	8,626	3/4	3	3/4	8,626	3/4	6,651	3/4	4,695
1	67,628	1	55,720	1	43,812	1	32,124	1	20,312	1	8,377	1	4	1	8,377	1	6,402	1	4,446
1/4	67,380	1/4	55,472	1/4	43,564	1/4	31,884	1/4	20,064	1/4	8,128	1/4	4	1/4	8,128	1/4	6,153	1/4	4,197
1/2	67,132	1/2	55,224	1/2	43,316	1/2	31,645	1/2	19,816	1/2	7,879	1/2	4	1/2	7,879	1/2	5,904	1/2	3,948
3/4	66,884	3/4	54,976	3/4	43,068	3/4	31,405	3/4	19,568	3/4	7,631	3/4	4	3/4	7,631	3/4	5,655	3/4	3,699
1	66,636	1	54,728	1	42,820	1	31,166	1	19,319	1	7,382	1	5	1	7,382	1	5,406	1	3,450
1/4	66,387	1/4	54,480	1/4	42,572	1/4	30,926	1/4	19,071	1/4	7,133	1/4	5	1/4	7,133	1/4	5,157	1/4	3,201
1/2	66,139	1/2	54,231	1/2	42,323	1/2	30,685	1/2	18,823	1/2	6,884	1/2	5	1/2	6,884	1/2	4,908	1/2	2,952
3/4	65,891	3/4	53,983	3/4	42,075	3/4	30,444	3/4	18,574	3/4	6,636	3/4	5	3/4	6,636	3/4	4,659	3/4	2,703
1	65,643	1	53,735	1	41,827	1	30,202	1	18,325	1	6,387	1	6	1	6,387	1	4,410	1	2,454
1/4	65,395	1/4	53,487	1/4	41,579	1/4	29,961	1/4	18,077	1/4	6,138	1/4	6	1/4	6,138	1/4	4,161	1/4	2,205
1/2	65,147	1/2	53,239	1/2	41,331	1/2	29,719	1/2	17,828	1/2	5,890	1/2	6	1/2	5,890	1/2	3,912	1/2	1,956
3/4	64,899	3/4	52,991	3/4	41,083	3/4	29,478	3/4	17,579	3/4	5,641	3/4	6	3/4	5,641	3/4	3,663	3/4	1,707
1	64,651	1	52,743	1	40,835	1	29,236	1	17,331	1	5,392	1	7	1	5,392	1	3,414	1	1,458
1/4	64,403	1/4	52,495	1/4	40,587	1/4	28,994	1/4	17,082	1/4	5,143	1/4	7	1/4	5,143	1/4	3,165	1/4	1,209
1/2	64,155	1/2	52,247	1/2	40,339	1/2	28,747	1/2	16,833	1/2	4,895	1/2	7	1/2	4,895	1/2	2,916	1/2	960
3/4	63,907	3/4	51,999	3/4	40,091	3/4	28,501	3/4	16,584	3/4	4,646	3/4	7	3/4	4,646	3/4	2,667	3/4	711
1	63,659	1	51,751	1	39,843	1	28,254	1	16,336	1	4,397	1	8	1	4,397	1	2,418	1	462
1/4	63,411	1/4	51,503	1/4	39,595	1/4	28,008	1/4	16,087	1/4	4,148	1/4	8	1/4	4,148	1/4	2,169	1/4	213
1/2	63,162	1/2	51,254	1/2	39,346	1/2	27,759	1/2	15,838	1/2	3,900	1/2	8	1/2	3,900	1/2	1,920	1/2	164
3/4	62,914	3/4	51,006	3/4	39,098	3/4	27,511	3/4	15,590	3/4	3,651	3/4	8	3/4	3,651	3/4	1,671	3/4	115
1	62,666	1	50,758	1	38,850	1	27,263	1	15,341	1	3,403	1	9	1	3,403	1	1,422	1	66
1/4	62,418	1/4	50,510	1/4	38,602	1/4	27,015	1/4	15,092	1/4	3,154	1/4	9	1/4	3,154	1/4	1,173	1/4	17
1/2	62,170	1/2	50,262	1/2	38,350	1/2	26,766	1/2	14,844	1/2	2,907	1/2	9	1/2	2,907	1/2	924	1/2	118
3/4	61,922	3/4	50,014	3/4	38,119	3/4	26,518	3/4	14,595	3/4	2,659	3/4	9	3/4	2,659	3/4	675	3/4	69
1	61,674	1	49,766	1	37,877	1	26,272	1	14,346	1	2,411	1	10	1	2,411	1	426	1	20
1/4	61,426	1/4	49,518	1/4	37,635	1/4	26,022	1/4	14,098	1/4	2,163	1/4	10	1/4	2,163	1/4	177	1/4	71
1/2	61,178	1/2	49,270	1/2	37,396	1/2	25,774	1/2	13,849	1/2	1,925	1/2	10	1/2	1,925	1/2	128	1/2	22
3/4	60,930	3/4	49,022	3/4	37,156	3/4	25,525	3/4	13,600	3/4	1,687	3/4	10	3/4	1,687	3/4	89	3/4	73
1	60,682	1	48,774	1	36,916	1	25,277	1	13,351	1	1,449	1	11	1	1,449	1	60	1	24
1/4	60,434	1/4	48,526	1/4	36,677	1/4	25,029	1/4	13,103	1/4	1,211	1/4	11	1/4	1,211	1/4	41	1/4	25
1/2	60,185	1/2	48,277	1/2	36,437	1/2	24,781	1/2	12,854	1/2	1,041	1/2	11	1/2	1,041	1/2	22	1/2	26
3/4	59,937	3/4	48,029	3/4	36,198	3/4	24,532	3/4	12,605	3/4	870	3/4	11	3/4	870	3/4	3	3/4	27

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/17/2019 JS
CALCULATED: 09/18/2019 CL
PRINTED: 09/18/2019 CL

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

Tom Powers

CANCEL S AND SUPPERCEDES
ALL PRIOR TO 09/2019



BARGE "IB 1311"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

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	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	153,843	0	144,495	0	134,203	0	123,911	0	113,619	0	103,328	0	93,036	0	82,744	0	72,452	0
1/4	1/4	153,785	1/4	144,280	1/4	133,989	1/4	123,697	1/4	113,405	1/4	103,113	1/4	92,821	1/4	82,529	1/4	72,238	1/4
1/2	1/2	153,727	1/2	144,066	1/2	133,774	1/2	123,482	1/2	113,191	1/2	102,899	1/2	92,607	1/2	82,315	1/2	72,023	1/2
3/4	3/4	153,669	3/4	143,852	3/4	133,560	3/4	123,268	3/4	112,976	3/4	102,684	3/4	92,392	3/4	82,101	3/4	71,809	3/4
1	1	153,544	1	143,637	1	133,345	1	123,054	1	112,762	1	102,470	1	92,178	1	81,886	1	71,594	1
1/4	1/4	153,419	1/4	143,423	1/4	133,131	1/4	122,839	1/4	112,547	1/4	102,255	1/4	91,964	1/4	81,672	1/4	71,380	1/4
1/2	1/2	153,293	1/2	143,208	1/2	132,917	1/2	122,625	1/2	112,333	1/2	102,041	1/2	91,749	1/2	81,457	1/2	71,166	1/2
3/4	3/4	153,168	3/4	142,994	3/4	132,702	3/4	122,410	3/4	112,118	3/4	101,827	3/4	91,535	3/4	81,265	3/4	70,951	3/4
2	2	152,979	2	142,800	2	132,488	2	122,196	2	111,904	2	101,612	2	91,320	2	81,029	2	70,737	2
1/4	1/4	152,791	1/4	142,565	1/4	132,273	1/4	121,981	1/4	111,690	1/4	101,398	1/4	91,106	1/4	80,814	1/4	70,522	1/4
1/2	1/2	152,602	1/2	142,351	1/2	132,059	1/2	121,767	1/2	111,475	1/2	101,183	1/2	90,892	1/2	80,600	1/2	70,308	1/2
3/4	3/4	152,413	3/4	142,136	3/4	131,844	3/4	121,553	3/4	111,261	3/4	100,969	3/4	90,677	3/4	80,385	3/4	70,094	3/4
3	3	152,202	3	141,922	3	131,630	3	121,338	3	111,046	3	100,755	3	90,463	3	80,171	3	69,879	3
1/4	1/4	151,994	1/4	141,707	1/4	131,416	1/4	121,124	1/4	110,832	1/4	100,540	1/4	90,248	1/4	79,957	1/4	69,665	1/4
1/2	1/2	151,780	1/2	141,493	1/2	131,201	1/2	120,909	1/2	110,618	1/2	100,326	1/2	90,034	1/2	79,742	1/2	69,450	1/2
3/4	3/4	151,568	3/4	141,279	3/4	130,987	3/4	120,695	3/4	110,403	3/4	100,111	3/4	89,820	3/4	79,528	3/4	69,236	3/4
4	4	151,354	4	141,064	4	130,772	4	120,481	4	110,189	4	99,897	4	89,605	4	79,313	4	68,901	4
1/4	1/4	151,140	1/4	140,850	1/4	130,558	1/4	120,266	1/4	109,974	1/4	99,683	1/4	89,391	1/4	79,099	1/4	68,802	1/4
1/2	1/2	150,927	1/2	140,635	1/2	130,344	1/2	120,052	1/2	109,760	1/2	99,468	1/2	89,176	1/2	78,884	1/2	68,593	1/2
3/4	3/4	150,713	3/4	140,421	3/4	130,129	3/4	119,837	3/4	109,546	3/4	99,254	3/4	88,962	3/4	78,670	3/4	68,378	3/4
5	5	150,498	5	140,207	5	129,915	5	119,623	5	109,331	5	99,039	5	88,747	5	78,456	5	68,164	5
1/4	1/4	150,284	1/4	139,992	1/4	129,700	1/4	119,409	1/4	109,117	1/4	98,825	1/4	88,533	1/4	78,245	1/4	67,949	1/4
1/2	1/2	150,069	1/2	139,778	1/2	129,486	1/2	119,194	1/2	108,902	1/2	98,610	1/2	88,319	1/2	78,027	1/2	67,735	1/2
3/4	3/4	149,855	3/4	139,563	3/4	129,271	3/4	118,980	3/4	108,688	3/4	98,396	3/4	88,104	3/4	77,812	3/4	67,521	3/4
6	6	149,641	6	139,349	6	129,057	6	118,765	6	108,473	6	98,182	6	87,890	6	77,598	6	67,306	6
1/4	1/4	149,426	1/4	139,134	1/4	128,843	1/4	118,551	1/4	108,259	1/4	97,967	1/4	87,675	1/4	77,384	1/4	67,092	1/4
1/2	1/2	149,212	1/2	138,920	1/2	128,628	1/2	118,336	1/2	108,045	1/2	97,753	1/2	87,461	1/2	77,169	1/2	66,877	1/2
3/4	3/4	148,997	3/4	138,706	3/4	128,414	3/4	118,122	3/4	107,830	3/4	97,538	3/4	87,247	3/4	76,955	3/4	66,663	3/4
7	7	148,783	7	138,493	7	128,199	7	117,908	7	107,616	7	97,324	7	87,032	7	76,740	7	66,449	7
1/4	1/4	148,569	1/4	138,277	1/4	127,985	1/4	117,693	1/4	107,401	1/4	97,110	1/4	86,818	1/4	76,526	1/4	66,234	1/4
1/2	1/2	148,354	1/2	138,062	1/2	127,771	1/2	117,479	1/2	107,187	1/2	96,895	1/2	86,603	1/2	76,312	1/2	66,020	1/2
3/4	3/4	148,140	3/4	137,848	3/4	127,556	3/4	117,264	3/4	106,973	3/4	96,681	3/4	86,389	3/4	76,097	3/4	65,805	3/4
8	8	147,925	8	137,634	8	127,342	8	117,050	8	106,758	8	96,466	8	86,175	8	75,883	8	65,591	8
1/4	1/4	147,711	1/4	137,419	1/4	127,127	1/4	116,836	1/4	106,544	1/4	96,252	1/4	85,960	1/4	75,668	1/4	65,376	1/4
1/2	1/2	147,497	1/2	137,205	1/2	126,913	1/2	116,621	1/2	106,329	1/2	96,037	1/2	85,746	1/2	75,454	1/2	65,162	1/2
3/4	3/4	147,282	3/4	136,990	3/4	126,699	3/4	116,407	3/4	106,115	3/4	95,823	3/4	85,531	3/4	75,239	3/4	64,948	3/4
9	9	147,068	9	136,776	9	126,484	9	116,192	9	105,900	9	95,609	9	85,317	9	75,025	9	64,733	9
1/4	1/4	146,853	1/4	136,562	1/4	126,270	1/4	115,978	1/4	105,688	1/4	95,394	1/4	85,102	1/4	74,811	1/4	64,519	1/4
1/2	1/2	146,639	1/2	136,347	1/2	126,055	1/2	115,763	1/2	105,472	1/2	95,180	1/2	84,888	1/2	74,596	1/2	64,304	1/2
3/4	3/4	146,425	3/4	136,133	3/4	125,841	3/4	115,549	3/4	105,257	3/4	94,966	3/4	84,674	3/4	74,382	3/4	64,090	3/4
10	10	146,210	10	135,918	10	125,626	10	115,335	10	105,043	10	94,751	10	84,459	10	74,167	10	63,876	10
1/4	1/4	145,996	1/4	135,704	1/4	125,412	1/4	115,120	1/4	104,828	1/4	94,537	1/4	84,245	1/4	73,953	1/4	63,661	1/4
1/2	1/2	145,781	1/2	135,489	1/2	125,198	1/2	114,906	1/2	104,614	1/2	94,322	1/2	84,030	1/2	73,739	1/2	63,447	1/2
3/4	3/4	145,567	3/4	135,275	3/4	124,983	3/4	114,691	3/4	104,400	3/4	94,108	3/4	83,816	3/4	73,524	3/4	63,232	3/4
11	11	145,352	11	135,061	11	124,769	11	114,477	11	104,185	11	93,893	11	83,602	11	73,310	11	63,018	11
1/4	1/4	145,138	1/4	134,846	1/4	124,554	1/4	114,263	1/4	103,971	1/4	93,679	1/4	83,387	1/4	73,095	1/4	62,803	1/4
1/2	1/2	144,924	1/2	134,632	1/2	124,340	1/2	114,048	1/2	103,756	1/2	93,465	1/2	83,173	1/2	72,881	1/2	62,589	1/2
3/4	3/4	144,709	3/4	134,417	3/4	124,126	3/4	113,834	3/4	103,542	3/4	93,250	3/4	82,958	3/4	72,666	3/4	62,375	3/4

GAUGE HEIGHT 16'-01 3/4"

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH IMPMS CHAPTER 2.7

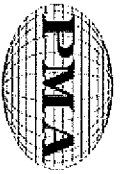
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL

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 23'-06" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT & ANALYSIS, INC.

P. O. Box 2092
Pearland, Texas 77588
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BARGE "IB 1311"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-01 3/4"

IN	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.					
0	62,160	0	51,868	0	41,577	0	31,335	0	21,247	0	10,955	0	772	0	0
1/4	61,946	1/4	51,654	1/4	41,362	1/4	31,127	1/4	21,032	1/4	10,741	1/4	625	1/4	1/4
1/2	61,731	1/2	51,440	1/2	41,148	1/2	30,919	1/2	20,818	1/2	10,526	1/2	478	1/2	1/2
3/4	61,517	3/4	51,225	3/4	40,933	3/4	30,711	3/4	20,603	3/4	10,312	3/4	331	3/4	3/4
1	61,303	1	51,011	1	40,719	1	30,502	1	20,389	1	10,098	1	267	1	1
1/4	61,088	1/4	50,796	1/4	40,505	1/4	30,294	1/4	20,175	1/4	9,883	1/4	202	1/4	1/4
1/2	60,874	1/2	50,582	1/2	40,290	1/2	30,086	1/2	19,960	1/2	9,669	1/2	138	1/2	1/2
3/4	60,659	3/4	50,368	3/4	40,076	3/4	29,878	3/4	19,746	3/4	9,454	3/4	74	3/4	3/4
2	60,445	2	50,153	2	39,861	2	29,670	2	19,531	2	9,240	2	2	2	2
1/4	60,231	1/4	49,939	1/4	39,647	1/4	29,482	1/4	19,317	1/4	9,026	1/4	2	1/4	1/4
1/2	60,016	1/2	49,724	1/2	39,432	1/2	29,294	1/2	19,103	1/2	8,811	1/2	2	1/2	1/2
3/4	59,802	3/4	49,510	3/4	39,218	3/4	29,046	3/4	18,888	3/4	8,597	3/4	2	3/4	3/4
3	59,587	3	49,295	3	39,004	3	28,837	3	18,674	3	8,382	3	3	3	3
1/4	59,373	1/4	49,081	1/4	38,789	1/4	28,629	1/4	18,459	1/4	8,168	1/4	3	1/4	1/4
1/2	59,158	1/2	48,867	1/2	38,575	1/2	28,421	1/2	18,245	1/2	7,954	1/2	3	1/2	1/2
3/4	58,944	3/4	48,652	3/4	38,360	3/4	28,213	3/4	18,031	3/4	7,739	3/4	3	3/4	3/4
4	58,730	4	48,438	4	38,146	4	28,005	4	17,816	4	7,525	4	4	4	4
1/4	58,515	1/4	48,223	1/4	37,932	1/4	27,797	1/4	17,602	1/4	7,310	1/4	4	1/4	1/4
1/2	58,301	1/2	48,009	1/2	37,717	1/2	27,589	1/2	17,387	1/2	7,096	1/2	4	1/2	1/2
3/4	58,086	3/4	47,795	3/4	37,503	3/4	27,381	3/4	17,173	3/4	6,882	3/4	4	3/4	3/4
5	57,872	5	47,580	5	37,288	5	27,173	5	16,959	5	6,667	5	5	5	5
1/4	57,658	1/4	47,366	1/4	37,074	1/4	26,964	1/4	16,744	1/4	6,453	1/4	5	1/4	1/4
1/2	57,443	1/2	47,151	1/2	36,860	1/2	26,756	1/2	16,530	1/2	6,238	1/2	5	1/2	1/2
3/4	57,229	3/4	46,937	3/4	36,645	3/4	26,548	3/4	16,315	3/4	6,024	3/4	5	3/4	3/4
6	57,014	6	46,723	6	36,431	6	26,340	6	16,101	6	5,810	6	6	6	6
1/4	56,800	1/4	46,508	1/4	36,216	1/4	26,132	1/4	15,886	1/4	5,595	1/4	6	1/4	1/4
1/2	56,586	1/2	46,294	1/2	36,002	1/2	25,924	1/2	15,672	1/2	5,381	1/2	6	1/2	1/2
3/4	56,371	3/4	46,079	3/4	35,787	3/4	25,716	3/4	15,458	3/4	5,166	3/4	6	3/4	3/4
7	56,157	7	45,865	7	35,573	7	25,509	7	15,243	7	4,952	7	7	7	7
1/4	55,942	1/4	45,650	1/4	35,359	1/4	25,301	1/4	15,029	1/4	4,737	1/4	7	1/4	1/4
1/2	55,728	1/2	45,436	1/2	35,144	1/2	25,093	1/2	14,814	1/2	4,523	1/2	7	1/2	1/2
3/4	55,513	3/4	45,222	3/4	34,930	3/4	24,885	3/4	14,600	3/4	4,309	3/4	7	3/4	3/4
8	55,299	8	45,007	8	34,715	8	24,672	8	14,386	8	4,094	8	8	8	8
1/4	55,085	1/4	44,793	1/4	34,501	1/4	24,459	1/4	14,171	1/4	3,880	1/4	8	1/4	1/4
1/2	54,870	1/2	44,578	1/2	34,287	1/2	24,247	1/2	13,957	1/2	3,665	1/2	8	1/2	1/2
3/4	54,656	3/4	44,364	3/4	34,072	3/4	24,034	3/4	13,742	3/4	3,451	3/4	8	3/4	3/4
9	54,441	9	44,150	9	33,858	9	23,819	9	13,528	9	3,237	9	9	9	9
1/4	54,227	1/4	43,935	1/4	33,643	1/4	23,605	1/4	13,314	1/4	3,023	1/4	9	1/4	1/4
1/2	54,013	1/2	43,721	1/2	33,429	1/2	23,391	1/2	13,099	1/2	2,808	1/2	9	1/2	1/2
3/4	53,798	3/4	43,506	3/4	33,215	3/4	23,176	3/4	12,885	3/4	2,594	3/4	9	3/4	3/4
10	53,584	10	43,292	10	33,005	10	22,962	10	12,670	10	2,381	10	10	10	10
1/4	53,369	1/4	43,078	1/4	32,795	1/4	22,747	1/4	12,456	1/4	2,167	1/4	10	1/4	1/4
1/2	53,155	1/2	42,863	1/2	32,585	1/2	22,533	1/2	12,242	1/2	1,954	1/2	10	1/2	1/2
3/4	52,941	3/4	42,649	3/4	32,376	3/4	22,319	3/4	12,027	3/4	1,740	3/4	10	3/4	3/4
11	52,726	11	42,434	11	32,167	11	22,104	11	11,813	11	1,535	11	11	11	11
1/4	52,512	1/4	42,220	1/4	31,959	1/4	21,890	1/4	11,598	1/4	1,330	1/4	11	1/4	1/4
1/2	52,297	1/2	42,005	1/2	31,751	1/2	21,675	1/2	11,384	1/2	1,125	1/2	11	1/2	1/2
3/4	52,083	3/4	41,791	3/4	31,543	3/4	21,461	3/4	11,170	3/4	919	3/4	11	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/17/2019 US
 CALCULATED: 09/18/2019 CL
 PRINTED: 09/18/2019 CL
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 09/2019

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2082
 Pearland, Texas 77588
<http://www.pmaacorp.net>



BARGE "IB 1311"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-01 1/2"

IN	0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.
0	155,183	145,606	135,235	124,864	114,494	104,123	93,752	83,381	73,010	
1/4	155,125	145,380	135,019	124,648	114,278	103,907	93,536	83,165	72,794	
1/2	155,066	145,174	134,832	124,432	114,061	103,691	93,320	82,949	72,578	
3/4	154,940	144,958	134,587	124,216	113,845	103,475	93,104	82,733	72,362	
1	154,814	144,742	134,371	124,000	113,629	103,259	92,888	82,517	72,146	
1/4	154,688	144,526	134,155	123,784	113,413	103,043	92,711	82,301	71,930	
1/2	154,562	144,310	133,939	123,568	113,197	102,826	92,545	82,085	71,714	
3/4	154,372	144,094	133,723	123,352	112,981	102,610	92,340	81,869	71,498	
2	154,182	143,878	133,507	123,136	112,765	102,394	92,124	81,653	71,282	
1/4	153,991	143,661	133,291	122,920	112,549	102,178	91,907	81,437	71,066	
1/2	153,801	143,445	133,075	122,704	112,333	101,962	91,691	81,221	70,850	
3/4	153,588	143,229	132,859	122,488	112,117	101,746	91,475	81,005	70,634	
3	153,375	143,013	132,642	122,272	111,901	101,530	91,259	80,789	70,418	
1/4	153,163	142,797	132,426	122,056	111,685	101,314	91,043	80,572	70,202	
1/2	152,950	142,581	132,210	121,840	111,469	101,098	90,827	80,356	69,986	
3/4	152,734	142,365	131,994	121,624	111,253	100,882	90,611	80,140	69,770	
4	152,519	142,149	131,778	121,407	111,037	100,666	90,394	79,924	69,553	
1/4	152,303	141,933	131,562	121,191	110,821	100,450	90,179	79,708	69,337	
1/2	152,088	141,717	131,346	120,975	110,605	100,234	89,963	79,492	69,121	
3/4	151,872	141,501	131,130	120,759	110,388	100,018	89,747	79,276	68,905	
5	151,656	141,285	130,914	120,543	110,172	99,802	89,531	79,060	68,689	
1/4	151,440	141,069	130,698	120,327	109,956	99,586	89,315	78,844	68,473	
1/2	151,224	140,853	130,482	120,111	109,740	99,370	89,099	78,628	68,257	
3/4	151,007	140,637	130,266	119,895	109,524	99,153	88,883	78,412	68,041	
6	150,791	140,421	130,050	119,679	109,308	98,937	88,667	78,196	67,825	
1/4	150,575	140,205	129,834	119,463	109,092	98,721	88,451	77,980	67,609	
1/2	150,359	139,988	129,618	119,247	108,876	98,505	88,234	77,764	67,393	
3/4	150,143	139,772	129,402	119,031	108,660	98,289	88,018	77,548	67,177	
7	149,927	139,556	129,186	118,815	108,444	98,073	87,802	77,332	66,961	
1/4	149,711	139,340	128,970	118,599	108,228	97,857	87,587	77,116	66,745	
1/2	149,495	139,124	128,753	118,383	108,012	97,641	87,371	76,900	66,529	
3/4	149,279	138,908	128,537	118,167	107,796	97,425	87,155	76,683	66,313	
8	149,063	138,692	128,321	117,951	107,580	97,209	86,938	76,467	66,097	
1/4	148,847	138,476	128,105	117,734	107,364	96,993	86,722	76,251	65,880	
1/2	148,631	138,260	127,889	117,518	107,148	96,777	86,506	76,035	65,664	
3/4	148,415	138,044	127,673	117,302	106,932	96,561	86,290	75,819	65,448	
9	148,199	137,828	127,457	117,086	106,716	96,345	86,074	75,603	65,232	
1/4	147,983	137,612	127,241	116,870	106,499	96,129	85,858	75,387	65,016	
1/2	147,767	137,396	127,025	116,654	106,283	95,913	85,642	75,171	64,800	
3/4	147,551	137,180	126,809	116,438	106,067	95,697	85,426	74,955	64,584	
10	147,334	136,964	126,593	116,222	105,851	95,480	85,210	74,739	64,368	
1/4	147,118	136,748	126,377	116,006	105,635	95,264	85,004	74,523	64,152	
1/2	146,902	136,532	126,161	115,790	105,419	95,048	84,788	74,307	63,936	
3/4	146,686	136,315	125,945	115,574	105,203	94,832	84,572	74,091	63,720	
11	146,470	136,099	125,729	115,358	104,987	94,616	84,356	73,875	63,504	
1/4	146,254	135,883	125,513	115,142	104,771	94,400	84,140	73,659	63,288	
1/2	146,038	135,667	125,297	114,926	104,555	94,184	83,924	73,443	63,072	
3/4	145,822	135,451	125,080	114,710	104,339	93,968	83,708	73,226	62,856	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH IMPMS CHAPTER 2.7
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK

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

GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 24'-00" FORWARD OF AFT BULKHEAD

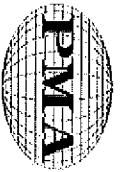
PRECISION MEASUREMENT

& ANALYSIS, INC.

P. O. Box 2082

Feastland, Texas 77588

http://www.pimacorp.net



BARGE "IB 1311"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	62,640	0	52,269	0	41,898	0	31,524	0	21,193	0	10,823	0	630	0	0	0	0	0	0
1/4	62,424	1/4	52,053	1/4	41,682	1/4	31,319	1/4	20,977	1/4	10,607	1/4	482	1/4	1/4	1/4	1/4	1/4	1/4
1/2	62,207	1/2	51,837	1/2	41,466	1/2	31,104	1/2	20,761	1/2	10,391	1/2	333	1/2	1/2	1/2	1/2	1/2	1/2
3/4	61,991	3/4	51,621	3/4	41,250	3/4	30,889	3/4	20,545	3/4	10,175	3/4	269	3/4	3/4	3/4	3/4	3/4	3/4
1	61,775	1	51,405	1	41,034	1	30,673	1	20,329	1	9,959	1	204	1	1	1	1	1	1
1/4	61,559	1/4	51,189	1/4	40,818	1/4	30,458	1/4	20,113	1/4	9,743	1/4	139	1/4	1/4	1/4	1/4	1/4	1/4
1/2	61,343	1/2	50,972	1/2	40,602	1/2	30,243	1/2	19,897	1/2	9,527	1/2	74	1/2	1/2	1/2	1/2	1/2	1/2
3/4	61,127	3/4	50,756	3/4	40,386	3/4	30,028	3/4	19,681	3/4	9,314	3/4	74	3/4	3/4	3/4	3/4	3/4	3/4
1	60,911	1	50,540	1	40,170	1	29,813	1	19,465	1	9,095	1	2	1	1	1	1	1	1
1/4	60,695	1/4	50,324	1/4	39,953	1/4	29,598	1/4	19,249	1/4	8,879	1/4	2	1/4	1/4	1/4	1/4	1/4	1/4
1/2	60,479	1/2	50,108	1/2	39,737	1/2	29,383	1/2	19,033	1/2	8,662	1/2	2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	60,263	3/4	49,892	3/4	39,521	3/4	29,168	3/4	18,817	3/4	8,446	3/4	2	3/4	3/4	3/4	3/4	3/4	3/4
1	60,047	1	49,676	1	39,305	1	28,953	1	18,601	1	8,230	1	3	1	1	1	1	1	1
1/4	59,831	1/4	49,460	1/4	39,089	1/4	28,738	1/4	18,385	1/4	8,014	1/4	3	1/4	1/4	1/4	1/4	1/4	1/4
1/2	59,615	1/2	49,244	1/2	38,873	1/2	28,523	1/2	18,169	1/2	7,798	1/2	3	1/2	1/2	1/2	1/2	1/2	1/2
3/4	59,399	3/4	49,028	3/4	38,657	3/4	28,308	3/4	17,953	3/4	7,582	3/4	3	3/4	3/4	3/4	3/4	3/4	3/4
1	59,183	1	48,812	1	38,441	1	28,092	1	17,737	1	7,366	1	4	1	1	1	1	1	1
1/4	58,967	1/4	48,596	1/4	38,225	1/4	27,877	1/4	17,520	1/4	7,150	1/4	4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	58,751	1/2	48,380	1/2	38,009	1/2	27,662	1/2	17,304	1/2	6,934	1/2	4	1/2	1/2	1/2	1/2	1/2	1/2
3/4	58,534	3/4	48,164	3/4	37,793	3/4	27,447	3/4	17,088	3/4	6,718	3/4	4	3/4	3/4	3/4	3/4	3/4	3/4
1	58,318	1	47,948	1	37,577	1	27,232	1	16,872	1	6,502	1	5	1	1	1	1	1	1
1/4	58,102	1/4	47,732	1/4	37,361	1/4	27,017	1/4	16,656	1/4	6,286	1/4	5	1/4	1/4	1/4	1/4	1/4	1/4
1/2	57,886	1/2	47,516	1/2	37,145	1/2	26,802	1/2	16,440	1/2	6,070	1/2	5	1/2	1/2	1/2	1/2	1/2	1/2
3/4	57,670	3/4	47,299	3/4	36,929	3/4	26,587	3/4	16,224	3/4	5,854	3/4	5	3/4	3/4	3/4	3/4	3/4	3/4
1	57,454	1	47,083	1	36,713	1	26,372	1	16,008	1	5,638	1	6	1	1	1	1	1	1
1/4	57,238	1/4	46,867	1/4	36,497	1/4	26,157	1/4	15,792	1/4	5,422	1/4	6	1/4	1/4	1/4	1/4	1/4	1/4
1/2	57,022	1/2	46,651	1/2	36,280	1/2	25,942	1/2	15,576	1/2	5,206	1/2	6	1/2	1/2	1/2	1/2	1/2	1/2
3/4	56,806	3/4	46,435	3/4	36,064	3/4	25,727	3/4	15,360	3/4	4,990	3/4	6	3/4	3/4	3/4	3/4	3/4	3/4
1	56,590	1	46,219	1	35,848	1	25,511	1	15,144	1	4,774	1	7	1	1	1	1	1	1
1/4	56,374	1/4	46,003	1/4	35,632	1/4	25,296	1/4	14,928	1/4	4,558	1/4	7	1/4	1/4	1/4	1/4	1/4	1/4
1/2	56,158	1/2	45,787	1/2	35,416	1/2	25,081	1/2	14,712	1/2	4,341	1/2	7	1/2	1/2	1/2	1/2	1/2	1/2
3/4	55,942	3/4	45,571	3/4	35,200	3/4	24,865	3/4	14,496	3/4	4,125	3/4	7	3/4	3/4	3/4	3/4	3/4	3/4
1	55,726	1	45,355	1	34,984	1	24,650	1	14,280	1	3,909	1	8	1	1	1	1	1	1
1/4	55,510	1/4	45,139	1/4	34,768	1/4	24,434	1/4	14,064	1/4	3,693	1/4	8	1/4	1/4	1/4	1/4	1/4	1/4
1/2	55,294	1/2	44,923	1/2	34,552	1/2	24,218	1/2	13,848	1/2	3,477	1/2	8	1/2	1/2	1/2	1/2	1/2	1/2
3/4	55,078	3/4	44,707	3/4	34,336	3/4	24,002	3/4	13,632	3/4	3,261	3/4	8	3/4	3/4	3/4	3/4	3/4	3/4
1	54,862	1	44,491	1	34,120	1	23,786	1	13,416	1	3,046	1	9	1	1	1	1	1	1
1/4	54,646	1/4	44,275	1/4	33,904	1/4	23,570	1/4	13,200	1/4	2,830	1/4	9	1/4	1/4	1/4	1/4	1/4	1/4
1/2	54,429	1/2	44,059	1/2	33,688	1/2	23,354	1/2	12,984	1/2	2,614	1/2	9	1/2	1/2	1/2	1/2	1/2	1/2
3/4	54,213	3/4	43,843	3/4	33,472	3/4	23,138	3/4	12,767	3/4	2,399	3/4	9	3/4	3/4	3/4	3/4	3/4	3/4
1	53,997	1	43,626	1	33,257	1	22,922	1	12,551	1	2,183	1	10	1	1	1	1	1	1
1/4	53,781	1/4	43,410	1/4	33,041	1/4	22,706	1/4	12,335	1/4	1,968	1/4	10	1/4	1/4	1/4	1/4	1/4	1/4
1/2	53,565	1/2	43,194	1/2	32,826	1/2	22,490	1/2	12,119	1/2	1,753	1/2	10	1/2	1/2	1/2	1/2	1/2	1/2
3/4	53,349	3/4	42,978	3/4	32,610	3/4	22,274	3/4	11,903	3/4	1,546	3/4	10	3/4	3/4	3/4	3/4	3/4	3/4
1	53,133	1	42,762	1	32,395	1	22,058	1	11,687	1	1,330	1	11	1	1	1	1	1	1
1/4	52,917	1/4	42,546	1/4	32,180	1/4	21,841	1/4	11,471	1/4	1,113	1/4	11	1/4	1/4	1/4	1/4	1/4	1/4
1/2	52,701	1/2	42,330	1/2	31,964	1/2	21,625	1/2	11,255	1/2	926	1/2	11	1/2	1/2	1/2	1/2	1/2	1/2
3/4	52,485	3/4	42,114	3/4	31,749	3/4	21,409	3/4	11,039	3/4	778	3/4	11	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/17/2019 JS
 CALCULATED: 09/18/2019 CL
 PRINTED: 09/18/2019 CL

PRECISION MEASUREMENT
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Tom Stearns

CANCELLED AND SUPERCEDES
 ALL PRIOR TO 09/20/19