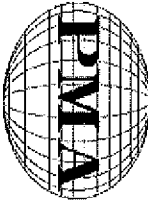


6-21/03



BARGE "IB 1311"

INNAGE 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 INNAGE GAUGE OF 4'-00" ON 2 CENTER, THE TRIM CORRECTED INNAGE IS 3'-11 5/8"

LENGTH BETWEEN DRAFT MARKS: 163'-03"

September 18, 2019

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

<http://www.pmacorp.net>



BARGE "IB 1311"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-0" 1/4"

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	230	0	11,113	0	23,043	0	34,760	0	46,541	0	58,449	0	70,357	0	82,227	0	94,139	0	106,052
1/4	305	1/4	11,362	1/4	23,291	1/4	34,999	1/4	46,789	1/4	58,597	1/4	70,605	1/4	82,475	1/4	94,388	1/4	106,300
1/2	380	1/2	11,610	1/2	23,539	1/2	35,239	1/2	47,037	1/2	58,945	1/2	70,853	1/2	82,723	1/2	94,636	1/2	106,548
3/4	454	3/4	11,859	3/4	23,788	3/4	35,479	3/4	47,285	3/4	59,193	3/4	71,101	3/4	82,971	3/4	94,884	3/4	106,797
1	529	1	12,108	1	24,036	1	35,718	1	47,533	1	59,441	1	71,349	1	83,219	1	95,132	1	107,045
1 1/4	700	1 1/4	12,357	1 1/4	24,284	1 1/4	35,968	1 1/4	47,781	1 1/4	59,689	1 1/4	71,597	1 1/4	83,468	1 1/4	95,380	1 1/4	107,293
1 1/2	870	1 1/2	12,605	1 1/2	24,532	1 1/2	36,198	1 1/2	48,029	1 1/2	59,937	1 1/2	71,845	1 1/2	83,716	1 1/2	95,628	1 1/2	107,541
1 3/4	1,041	1 3/4	12,854	1 3/4	24,781	1 3/4	36,437	1 3/4	48,277	1 3/4	60,185	1 3/4	72,093	1 3/4	83,964	1 3/4	95,877	1 3/4	107,789
2	1,211	2	13,103	2	25,029	2	36,677	2	48,526	2	60,434	2	72,341	2	84,212	2	96,125	2	108,038
1/4	1,449	1/4	13,351	1/4	25,277	1/4	36,916	1/4	48,774	1/4	60,682	1/4	72,588	1/4	84,460	1/4	96,373	1/4	108,286
1/2	1,687	1/2	13,600	1/2	25,525	1/2	37,156	1/2	49,022	1/2	60,930	1/2	72,835	1/2	84,708	1/2	96,621	1/2	108,534
3/4	1,925	3/4	13,849	3/4	25,774	3/4	37,396	3/4	49,270	3/4	61,178	3/4	73,082	3/4	84,957	3/4	96,869	3/4	108,782
3	2,163	3	14,098	3	26,022	3	37,635	3	49,518	3	61,426	3	73,329	3	85,205	3	97,118	3	109,030
1/4	2,411	1/4	14,346	1/4	26,270	1/4	37,877	1/4	49,766	1/4	61,674	1/4	73,576	1/4	85,453	1/4	97,366	1/4	109,278
1/2	2,659	1/2	14,595	1/2	26,518	1/2	38,119	1/2	50,014	1/2	61,922	1/2	73,823	1/2	85,701	1/2	97,614	1/2	109,527
3/4	2,907	3/4	14,844	3/4	26,766	3/4	38,360	3/4	50,262	3/4	62,170	3/4	74,070	3/4	85,949	3/4	97,862	3/4	109,775
4	3,154	4	15,092	4	27,015	4	38,602	4	50,510	4	62,418	4	74,318	4	86,198	4	98,110	4	110,023
1/4	3,403	1/4	15,341	1/4	27,263	1/4	38,850	1/4	50,758	1/4	62,666	1/4	74,565	1/4	86,446	1/4	98,358	1/4	110,271
1/2	3,651	1/2	15,590	1/2	27,511	1/2	39,098	1/2	51,006	1/2	62,914	1/2	74,812	1/2	86,694	1/2	98,607	1/2	110,519
3/4	3,900	3/4	15,838	3/4	27,759	3/4	39,346	3/4	51,254	3/4	63,162	3/4	75,059	3/4	86,942	3/4	98,855	3/4	110,768
5	4,148	5	16,087	5	28,008	5	39,595	5	51,503	5	63,411	5	75,306	5	87,198	5	99,103	5	111,016
1/4	4,396	1/4	16,336	1/4	28,254	1/4	39,843	1/4	51,751	1/4	63,659	1/4	75,553	1/4	87,438	1/4	99,351	1/4	111,264
1/2	4,645	1/2	16,584	1/2	28,501	1/2	40,091	1/2	51,999	1/2	63,907	1/2	75,800	1/2	87,687	1/2	99,599	1/2	111,512
3/4	4,895	3/4	16,833	3/4	28,747	3/4	40,339	3/4	52,247	3/4	64,155	3/4	76,047	3/4	87,935	3/4	99,848	3/4	111,760
6	5,143	6	17,082	6	28,994	6	40,587	6	52,495	6	64,403	6	76,295	6	88,183	6	100,096	6	112,008
1/4	5,392	1/4	17,331	1/4	29,236	1/4	40,835	1/4	52,743	1/4	64,651	1/4	76,542	1/4	88,431	1/4	100,344	1/4	112,257
1/2	5,641	1/2	17,579	1/2	29,478	1/2	41,083	1/2	52,991	1/2	64,899	1/2	76,789	1/2	88,679	1/2	100,592	1/2	112,505
3/4	5,890	3/4	17,828	3/4	29,719	3/4	41,331	3/4	53,239	3/4	65,147	3/4	77,036	3/4	88,928	3/4	100,840	3/4	112,753
7	6,138	7	18,077	7	29,961	7	41,579	7	53,487	7	65,395	7	77,283	7	89,176	7	101,088	7	113,001
1/4	6,387	1/4	18,325	1/4	30,202	1/4	41,827	1/4	53,735	1/4	65,643	1/4	77,530	1/4	89,424	1/4	101,337	1/4	113,249
1/2	6,636	1/2	18,574	1/2	30,444	1/2	42,075	1/2	53,983	1/2	65,891	1/2	77,777	1/2	89,672	1/2	101,585	1/2	113,498
3/4	6,884	3/4	18,823	3/4	30,685	3/4	42,323	3/4	54,231	3/4	66,139	3/4	78,024	3/4	89,920	3/4	101,833	3/4	113,746
8	7,133	8	19,071	8	30,926	8	42,572	8	54,480	8	66,387	8	78,272	8	90,168	8	102,081	8	113,994
1/4	7,382	1/4	19,319	1/4	31,166	1/4	42,820	1/4	54,728	1/4	66,636	1/4	78,519	1/4	90,417	1/4	102,329	1/4	114,242
1/2	7,631	1/2	19,568	1/2	31,405	1/2	43,068	1/2	54,976	1/2	66,884	1/2	78,766	1/2	90,665	1/2	102,578	1/2	114,490
3/4	7,879	3/4	19,816	3/4	31,645	3/4	43,316	3/4	55,224	3/4	67,132	3/4	79,013	3/4	90,913	3/4	102,826	3/4	114,738
9	8,128	9	20,064	9	31,884	9	43,564	9	55,472	9	67,380	9	79,260	9	91,161	9	103,074	9	114,987
1/4	8,377	1/4	20,312	1/4	32,124	1/4	43,812	1/4	55,720	1/4	67,628	1/4	79,507	1/4	91,409	1/4	103,322	1/4	115,235
1/2	8,626	1/2	20,561	1/2	32,364	1/2	44,060	1/2	55,968	1/2	67,876	1/2	79,754	1/2	91,658	1/2	103,570	1/2	115,483
3/4	8,874	3/4	20,809	3/4	32,603	3/4	44,308	3/4	56,216	3/4	68,124	3/4	80,001	3/4	91,906	3/4	103,818	3/4	115,731
10	9,123	10	21,057	10	32,843	10	44,556	10	56,464	10	68,372	10	80,249	10	92,154	10	104,067	10	115,979
1/4	9,372	1/4	21,305	1/4	33,083	1/4	44,804	1/4	56,712	1/4	68,620	1/4	80,496	1/4	92,402	1/4	104,315	1/4	116,227
1/2	9,621	1/2	21,553	1/2	33,322	1/2	45,052	1/2	56,960	1/2	68,868	1/2	80,743	1/2	92,650	1/2	104,563	1/2	116,475
3/4	9,869	3/4	21,802	3/4	33,562	3/4	45,300	3/4	57,208	3/4	69,116	3/4	80,990	3/4	92,898	3/4	104,811	3/4	116,722
11	10,118	11	22,050	11	33,801	11	45,549	11	57,457	11	69,364	11	81,237	11	93,147	11	105,059	11	116,970
1/4	10,367	1/4	22,298	1/4	34,041	1/4	45,797	1/4	57,705	1/4	69,613	1/4	81,485	1/4	93,395	1/4	105,308	1/4	117,218
1/2	10,615	1/2	22,546	1/2	34,284	1/2	46,045	1/2	57,953	1/2	69,861	1/2	81,732	1/2	93,643	1/2	105,556	1/2	117,466
3/4	10,864	3/4	22,795	3/4	34,520	3/4	46,293	3/4	58,201	3/4	70,109	3/4	81,979	3/4	93,891	3/4	105,804	3/4	117,714

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPM'S 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 INNAGE 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 INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-01 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	117,962	0	129,038	0	139,228	0	149,417	0	159,607	0	169,799	0	170,060	0	170,350	0	170,619	0	170,914
1/4	118,209	1/4	129,250	1/4	139,440	1/4	149,630	1/4	159,819	1/4	169,914	1/4	170,060	1/4	170,205	1/4	170,350	1/4	170,511
1/2	118,457	1/2	129,463	1/2	139,652	1/2	149,842	1/2	159,991	1/2	169,991	1/2	170,060	1/2	170,205	1/2	170,350	1/2	170,511
3/4	118,705	3/4	129,675	3/4	139,865	3/4	150,054	3/4	160,244	3/4	170,205	3/4	170,350	3/4	170,511	3/4	170,666	3/4	170,821
1	118,953	1	129,887	1	140,077	1	150,266	1	160,456	1	170,350	1	170,511	1	170,666	1	170,821	1	170,976
1/4	119,201	1/4	130,100	1/4	140,289	1/4	150,479	1/4	160,668	1/4	170,417	1/4	170,484	1/4	170,551	1/4	170,619	1/4	170,686
1/2	119,449	1/2	130,312	1/2	140,501	1/2	150,691	1/2	160,881	1/2	170,484	1/2	170,551	1/2	170,619	1/2	170,686	1/2	170,753
3/4	119,696	3/4	130,524	3/4	140,714	3/4	150,903	3/4	161,093	3/4	170,551	3/4	170,619	3/4	170,686	3/4	170,753	3/4	170,821
2	119,944	2	130,736	2	140,926	2	151,116	2	161,305	2	170,619	2	170,686	2	170,753	2	170,821	2	170,888
1/4	120,192	1/4	130,949	1/4	141,138	1/4	151,328	1/4	161,517	1/4	170,686	1/4	170,753	1/4	170,821	1/4	170,888	1/4	170,955
1/2	120,440	1/2	131,161	1/2	141,351	1/2	151,540	1/2	161,730	1/2	170,753	1/2	170,821	1/2	170,888	1/2	170,955	1/2	171,022
3/4	120,688	3/4	131,373	3/4	141,563	3/4	151,752	3/4	161,942	3/4	170,821	3/4	170,888	3/4	170,955	3/4	171,022	3/4	171,089
3	120,936	3	131,586	3	141,775	3	151,965	3	162,154	3	170,955	3	171,022	3	171,089	3	171,156	3	171,223
1/4	121,183	1/4	131,798	1/4	141,987	1/4	152,177	1/4	162,367	1/4	171,022	1/4	171,089	1/4	171,156	1/4	171,223	1/4	171,290
1/2	121,431	1/2	132,010	1/2	142,200	1/2	152,389	1/2	162,579	1/2	171,156	1/2	171,223	1/2	171,290	1/2	171,357	1/2	171,424
3/4	121,679	3/4	132,222	3/4	142,412	3/4	152,602	3/4	162,791	3/4	171,223	3/4	171,290	3/4	171,357	3/4	171,424	3/4	171,491
4	121,927	4	132,435	4	142,624	4	152,814	4	163,003	4	171,357	4	171,424	4	171,491	4	171,558	4	171,625
1/4	122,175	1/4	132,647	1/4	142,837	1/4	153,026	1/4	163,216	1/4	171,424	1/4	171,491	1/4	171,558	1/4	171,625	1/4	171,692
1/2	122,423	1/2	132,859	1/2	143,049	1/2	153,238	1/2	163,428	1/2	171,558	1/2	171,625	1/2	171,692	1/2	171,759	1/2	171,826
3/4	122,670	3/4	133,072	3/4	143,261	3/4	153,451	3/4	163,640	3/4	171,625	3/4	171,692	3/4	171,759	3/4	171,826	3/4	171,893
5	122,918	5	133,284	5	143,473	5	153,663	5	163,853	5	171,759	5	171,826	5	171,893	5	171,960	5	172,027
1/4	123,162	1/4	133,496	1/4	143,686	1/4	153,875	1/4	164,065	1/4	171,826	1/4	171,893	1/4	171,960	1/4	172,027	1/4	172,094
1/2	123,405	1/2	133,708	1/2	143,898	1/2	154,088	1/2	164,277	1/2	171,960	1/2	172,027	1/2	172,094	1/2	172,161	1/2	172,228
3/4	123,648	3/4	133,921	3/4	144,110	3/4	154,300	3/4	164,489	3/4	172,027	3/4	172,094	3/4	172,161	3/4	172,228	3/4	172,295
6	123,891	6	134,133	6	144,323	6	154,512	6	164,702	6	172,161	6	172,228	6	172,295	6	172,362	6	172,429
1/4	124,117	1/4	134,345	1/4	144,535	1/4	154,724	1/4	164,914	1/4	172,228	1/4	172,295	1/4	172,362	1/4	172,429	1/4	172,496
1/2	124,342	1/2	134,558	1/2	144,747	1/2	154,937	1/2	165,126	1/2	172,362	1/2	172,429	1/2	172,496	1/2	172,563	1/2	172,630
3/4	124,567	3/4	134,770	3/4	144,959	3/4	155,149	3/4	165,338	3/4	172,429	3/4	172,496	3/4	172,563	3/4	172,630	3/4	172,697
7	124,793	7	134,982	7	145,172	7	155,361	7	165,551	7	172,563	7	172,630	7	172,697	7	172,764	7	172,831
1/4	125,005	1/4	135,194	1/4	145,384	1/4	155,573	1/4	165,763	1/4	172,630	1/4	172,697	1/4	172,764	1/4	172,831	1/4	172,898
1/2	125,217	1/2	135,407	1/2	145,596	1/2	155,786	1/2	165,975	1/2	172,764	1/2	172,831	1/2	172,898	1/2	172,965	1/2	173,032
3/4	125,429	3/4	135,619	3/4	145,808	3/4	155,998	3/4	166,188	3/4	172,831	3/4	172,898	3/4	172,965	3/4	173,032	3/4	173,099
8	125,642	8	135,831	8	146,021	8	156,210	8	166,400	8	172,965	8	173,032	8	173,099	8	173,166	8	173,233
1/4	125,854	1/4	136,044	1/4	146,233	1/4	156,423	1/4	166,612	1/4	173,032	1/4	173,099	1/4	173,166	1/4	173,233	1/4	173,300
1/2	126,066	1/2	136,256	1/2	146,445	1/2	156,635	1/2	166,824	1/2	173,166	1/2	173,233	1/2	173,300	1/2	173,367	1/2	173,434
3/4	126,279	3/4	136,468	3/4	146,658	3/4	156,847	3/4	167,037	3/4	173,233	3/4	173,300	3/4	173,367	3/4	173,434	3/4	173,501
9	126,491	9	136,680	9	146,870	9	157,059	9	167,249	9	173,367	9	173,434	9	173,501	9	173,568	9	173,635
1/4	126,703	1/4	136,893	1/4	147,082	1/4	157,272	1/4	167,461	1/4	173,434	1/4	173,501	1/4	173,568	1/4	173,635	1/4	173,702
1/2	126,915	1/2	137,105	1/2	147,294	1/2	157,484	1/2	167,672	1/2	173,501	1/2	173,568	1/2	173,635	1/2	173,702	1/2	173,769
3/4	127,128	3/4	137,317	3/4	147,507	3/4	157,696	3/4	167,884	3/4	173,568	3/4	173,635	3/4	173,702	3/4	173,769	3/4	173,836
10	127,340	10	137,529	10	147,719	10	157,909	10	168,096	10	173,635	10	173,702	10	173,769	10	173,836	10	173,903
1/4	127,552	1/4	137,742	1/4	147,931	1/4	158,121	1/4	168,309	1/4	173,702	1/4	173,769	1/4	173,836	1/4	173,903	1/4	173,970
1/2	127,764	1/2	137,954	1/2	148,144	1/2	158,333	1/2	168,522	1/2	173,836	1/2	173,903	1/2	173,970	1/2	174,037	1/2	174,104
3/4	127,977	3/4	138,166	3/4	148,356	3/4	158,545	3/4	168,735	3/4	173,903	3/4	173,970	3/4	174,037	3/4	174,104	3/4	174,171
11	128,189	11	138,379	11	148,568	11	158,758	11	168,948	11	174,037	11	174,104	11	174,171	11	174,238	11	174,305
1/4	128,401	1/4	138,591	1/4	148,780	1/4	158,970	1/4	169,153	1/4	174,104	1/4	174,171	1/4	174,238	1/4	174,305	1/4	174,372
1/2	128,614	1/2	138,803	1/2	148,993	1/2	159,182	1/2	169,359	1/2	174,171	1/2	174,238	1/2	174,305	1/2	174,372	1/2	174,439
3/4	128,826	3/4	139,015	3/4	149,205	3/4	159,395	3/4	169,564	3/4	174,238	3/4	174,305	3/4	174,372	3/4	174,439	3/4	174,506

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.pmaacorp.net>

Joe Starnes

CANCELLED AND SUPERCEDES
ALL PRIOR TO 09/20/19



BARGE "IB 1311"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-01 3/4"

IN	0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.
0	74	0	9,454	0	19,746	0	29,878	0	40,076	0
1/4	138	1/4	9,569	1/4	19,960	1/4	30,086	1/4	40,290	1/4
1/2	202	1/2	9,883	1/2	20,175	1/2	30,294	1/2	40,505	1/2
3/4	267	3/4	10,098	3/4	20,389	3/4	30,502	3/4	40,719	3/4
1	331	1	10,312	1	20,603	1	30,711	1	40,933	1
1/4	478	1/4	10,526	1/4	20,818	1/4	30,919	1/4	41,148	1/4
1/2	625	1/2	10,741	1/2	21,032	1/2	31,127	1/2	41,362	1/2
3/4	772	3/4	10,955	3/4	21,247	3/4	31,335	3/4	41,577	3/4
2	919	2	11,170	2	21,461	2	31,543	2	41,791	2
1/4	1,125	1/4	11,384	1/4	21,675	1/4	31,751	1/4	42,005	1/4
1/2	1,330	1/2	11,598	1/2	21,890	1/2	31,959	1/2	42,220	1/2
3/4	1,535	3/4	11,813	3/4	22,104	3/4	32,167	3/4	42,434	3/4
3	1,740	3	12,027	3	22,319	3	32,376	3	42,649	3
1/4	1,954	1/4	12,242	1/4	22,533	1/4	32,585	1/4	42,863	1/4
1/2	2,167	1/2	12,456	1/2	22,747	1/2	32,795	1/2	43,078	1/2
3/4	2,381	3/4	12,670	3/4	22,962	3/4	33,005	3/4	43,292	3/4
4	2,594	4	12,885	4	23,176	4	33,215	4	43,506	4
1/4	2,808	1/4	13,099	1/4	23,391	1/4	33,429	1/4	43,721	1/4
1/2	3,023	1/2	13,314	1/2	23,605	1/2	33,643	1/2	43,935	1/2
3/4	3,237	3/4	13,528	3/4	23,819	3/4	33,858	3/4	44,150	3/4
5	3,451	5	13,742	5	24,034	5	34,072	5	44,364	5
1/4	3,665	1/4	13,957	1/4	24,247	1/4	34,287	1/4	44,578	1/4
1/2	3,880	1/2	14,171	1/2	24,459	1/2	34,501	1/2	44,793	1/2
3/4	4,094	3/4	14,386	3/4	24,672	3/4	34,715	3/4	45,007	3/4
6	4,309	6	14,600	6	24,885	6	34,930	6	45,222	6
1/4	4,523	1/4	14,814	1/4	25,093	1/4	35,144	1/4	45,436	1/4
1/2	4,737	1/2	15,029	1/2	25,301	1/2	35,359	1/2	45,650	1/2
3/4	4,952	3/4	15,243	3/4	25,509	3/4	35,573	3/4	45,865	3/4
7	5,166	7	15,458	7	25,716	7	35,787	7	46,079	7
1/4	5,381	1/4	15,672	1/4	25,924	1/4	36,002	1/4	46,294	1/4
1/2	5,595	1/2	15,886	1/2	26,132	1/2	36,216	1/2	46,508	1/2
3/4	5,810	3/4	16,101	3/4	26,340	3/4	36,431	3/4	46,723	3/4
8	6,024	8	16,315	8	26,548	8	36,645	8	46,937	8
1/4	6,238	1/4	16,530	1/4	26,756	1/4	36,860	1/4	47,151	1/4
1/2	6,453	1/2	16,744	1/2	26,964	1/2	37,074	1/2	47,366	1/2
3/4	6,667	3/4	16,959	3/4	27,173	3/4	37,288	3/4	47,580	3/4
9	6,882	9	17,173	9	27,381	9	37,503	9	47,795	9
1/4	7,096	1/4	17,387	1/4	27,589	1/4	37,717	1/4	48,009	1/4
1/2	7,310	1/2	17,602	1/2	27,797	1/2	37,932	1/2	48,223	1/2
3/4	7,525	3/4	17,816	3/4	28,005	3/4	38,146	3/4	48,438	3/4
10	7,739	10	18,031	10	28,213	10	38,360	10	48,652	10
1/4	7,954	1/4	18,245	1/4	28,421	1/4	38,575	1/4	48,867	1/4
1/2	8,168	1/2	18,459	1/2	28,629	1/2	38,789	1/2	49,081	1/2
3/4	8,382	3/4	18,674	3/4	28,837	3/4	39,004	3/4	49,295	3/4
11	8,597	11	18,888	11	29,046	11	39,218	11	49,510	11
1/4	8,811	1/4	19,103	1/4	29,254	1/4	39,432	1/4	49,724	1/4
1/2	9,026	1/2	19,317	1/2	29,462	1/2	39,647	1/2	49,939	1/2
3/4	9,240	3/4	19,531	3/4	29,670	3/4	39,861	3/4	50,153	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH IAPMO 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 INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE
GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 23'-06" FORWARD OF AFT BULKHEAD

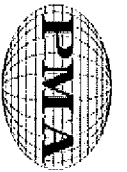
PRECISION MEASUREMENT

& ANALYSIS, INC.

P. O. Box 2092

Pearland, Texas 77588

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BARGE "IB 1311"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-01 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	101,827	0	112,118	0	122,410	0	132,702	0	142,994	0	153,168	0		0		0		0	
1/4	102,041	1/4	112,333	1/4	122,625	1/4	132,917	1/4	143,208	1/4	153,293	1/4		1/4		1/4		1/4	
1/2	102,255	1/2	112,547	1/2	122,839	1/2	133,131	1/2	143,423	1/2	153,419	1/2		1/2		1/2		1/2	
3/4	102,470	3/4	112,762	3/4	123,054	3/4	133,345	3/4	143,637	3/4	153,544	3/4		3/4		3/4		3/4	
1	102,684	1	112,976	1	123,268	1	133,560	1	143,852	1	153,659	1		1		1		1	
1 1/4	102,899	1 1/4	113,191	1 1/4	123,482	1 1/4	133,774	1 1/4	144,066	1 1/4	153,727	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	103,113	1 1/2	113,405	1 1/2	123,697	1 1/2	133,989	1 1/2	144,280	1 1/2	153,785	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	103,328	3/4	113,619	3/4	123,911	3/4	134,203	3/4	144,495	3/4	153,843	3/4		3/4		3/4		3/4	
2	103,542	2	113,834	2	124,126	2	134,417	2	144,709	2	153,901	2		2		2		2	
1/4	103,756	1/4	114,048	1/4	124,340	1/4	134,632	1/4	144,924	1/4	153,919	1/4		1/4		1/4		1/4	
1/2	103,971	1/2	114,263	1/2	124,554	1/2	134,846	1/2	145,138	1/2	153,932	1/2		1/2		1/2		1/2	
3/4	104,185	3/4	114,477	3/4	124,769	3/4	135,061	3/4	145,352	3/4	153,945	3/4		3/4		3/4		3/4	
3	104,400	3	114,691	3	124,983	3	135,275	3	145,567	3	153,958	3		3		3		3	
1/4	104,614	1/4	114,906	1/4	125,198	1/4	135,489	1/4	145,781	1/4	153,968	1/4		1/4		1/4		1/4	
1/2	104,828	1/2	115,120	1/2	125,412	1/2	135,704	1/2	145,996	1/2	153,978	1/2		1/2		1/2		1/2	
3/4	105,043	3/4	115,335	3/4	125,626	3/4	135,918	3/4	146,210	3/4	153,988	3/4		3/4		3/4		3/4	
4	105,257	4	115,549	4	125,841	4	136,133	4	146,425	4	153,998	4		4		4		4	
1/4	105,472	1/4	115,763	1/4	126,055	1/4	136,347	1/4	146,639	1/4	154,008	1/4		1/4		1/4		1/4	
1/2	105,686	1/2	115,978	1/2	126,270	1/2	136,562	1/2	146,853	1/2	154,018	1/2		1/2		1/2		1/2	
3/4	105,900	3/4	116,192	3/4	126,484	3/4	136,776	3/4	147,068	3/4	154,028	3/4		3/4		3/4		3/4	
5	106,115	5	116,407	5	126,699	5	136,990	5	147,282	5	154,038	5		5		5		5	
1/4	106,329	1/4	116,621	1/4	126,913	1/4	137,205	1/4	147,497	1/4	154,048	1/4		1/4		1/4		1/4	
1/2	106,544	1/2	116,836	1/2	127,127	1/2	137,419	1/2	147,711	1/2	154,058	1/2		1/2		1/2		1/2	
3/4	106,758	3/4	117,050	3/4	127,342	3/4	137,634	3/4	147,925	3/4	154,068	3/4		3/4		3/4		3/4	
6	106,973	6	117,264	6	127,556	6	137,848	6	148,140	6	154,078	6		6		6		6	
1/4	107,187	1/4	117,479	1/4	127,771	1/4	138,062	1/4	148,354	1/4	154,088	1/4		1/4		1/4		1/4	
1/2	107,401	1/2	117,693	1/2	127,985	1/2	138,277	1/2	148,569	1/2	154,098	1/2		1/2		1/2		1/2	
3/4	107,616	3/4	117,908	3/4	128,199	3/4	138,491	3/4	148,783	3/4	154,108	3/4		3/4		3/4		3/4	
7	107,830	7	118,122	7	128,414	7	138,706	7	148,997	7	154,118	7		7		7		7	
1/4	108,045	1/4	118,336	1/4	128,628	1/4	138,920	1/4	149,212	1/4	154,128	1/4		1/4		1/4		1/4	
1/2	108,259	1/2	118,551	1/2	128,843	1/2	139,134	1/2	149,426	1/2	154,138	1/2		1/2		1/2		1/2	
3/4	108,473	3/4	118,765	3/4	129,057	3/4	139,348	3/4	149,641	3/4	154,148	3/4		3/4		3/4		3/4	
8	108,688	8	118,980	8	129,271	8	139,563	8	149,855	8	154,158	8		8		8		8	
1/4	108,902	1/4	119,194	1/4	129,486	1/4	139,778	1/4	150,069	1/4	154,168	1/4		1/4		1/4		1/4	
1/2	109,117	1/2	119,408	1/2	129,700	1/2	139,992	1/2	150,284	1/2	154,178	1/2		1/2		1/2		1/2	
3/4	109,331	3/4	119,623	3/4	129,915	3/4	140,207	3/4	150,498	3/4	154,188	3/4		3/4		3/4		3/4	
9	109,546	9	119,837	9	130,129	9	140,421	9	150,713	9	154,198	9		9		9		9	
1/4	109,760	1/4	120,052	1/4	130,344	1/4	140,635	1/4	150,927	1/4	154,208	1/4		1/4		1/4		1/4	
1/2	109,974	1/2	120,266	1/2	130,558	1/2	140,850	1/2	151,140	1/2	154,218	1/2		1/2		1/2		1/2	
3/4	110,189	3/4	120,481	3/4	130,772	3/4	141,064	3/4	151,354	3/4	154,228	3/4		3/4		3/4		3/4	
10	110,403	10	120,695	10	130,987	10	141,279	10	151,568	10	154,238	10		10		10		10	
1/4	110,618	1/4	120,909	1/4	131,201	1/4	141,493	1/4	151,780	1/4	154,248	1/4		1/4		1/4		1/4	
1/2	110,832	1/2	121,124	1/2	131,416	1/2	141,707	1/2	151,991	1/2	154,258	1/2		1/2		1/2		1/2	
3/4	111,046	3/4	121,338	3/4	131,630	3/4	141,922	3/4	152,202	3/4	154,268	3/4		3/4		3/4		3/4	
11	111,261	11	121,553	11	131,844	11	142,136	11	152,413	11	154,278	11		11		11		11	
1/4	111,475	1/4	121,767	1/4	132,059	1/4	142,351	1/4	152,602	1/4	154,288	1/4		1/4		1/4		1/4	
1/2	111,690	1/2	121,981	1/2	132,273	1/2	142,565	1/2	152,791	1/2	154,298	1/2		1/2		1/2		1/2	
3/4	111,904	3/4	122,196	3/4	132,488	3/4	142,780	3/4	152,979	3/4	154,308	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
 CANCELS AND SUPERCANCELS
 ALL PRIOR TO 09/2019

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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 http://www.pmaacorp.net



BARGE "IB 1311"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS		CAPACITIES GIVEN IN WHOLE GALLONS		CAPACITIES GIVEN IN WHOLE GALLONS		CAPACITIES GIVEN IN WHOLE GALLONS		CAPACITIES GIVEN IN WHOLE GALLONS		CAPACITIES GIVEN IN WHOLE GALLONS		CAPACITIES GIVEN IN WHOLE GALLONS		CAPACITIES GIVEN IN WHOLE GALLONS		CAPACITIES GIVEN IN WHOLE GALLONS		CAPACITIES GIVEN IN WHOLE GALLONS		CAPACITIES GIVEN IN WHOLE GALLONS	
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.	IN	GAUGE HEIGHT 16'-01 1/2"
0	74	0	9,527	0	19,897	0	30,243	0	40,502	0	50,972	0	61,343	0	71,714	0	82,085	0	92,456	0	
1/4	139	1/4	9,743	1/4	20,113	1/4	30,458	1/4	40,818	1/4	51,189	1/4	61,559	1/4	71,930	1/4	82,301	1/4	92,672	1/4	
1/2	204	1/2	9,959	1/2	20,329	1/2	30,673	1/2	41,034	1/2	51,405	1/2	61,775	1/2	72,146	1/2	82,517	1/2	92,888	1/2	
3/4	269	3/4	10,175	3/4	20,545	3/4	30,889	3/4	41,250	3/4	51,621	3/4	61,991	3/4	72,362	3/4	82,733	3/4	93,104	3/4	
1	333	1	10,391	1	20,761	1	31,104	1	41,466	1	51,837	1	62,207	1	72,578	1	82,949	1	93,320	1	
1/4	482	1/4	10,607	1/4	20,977	1/4	31,319	1/4	41,682	1/4	52,053	1/4	62,424	1/4	72,794	1/4	83,165	1/4	93,536	1/4	
1/2	630	1/2	10,823	1/2	21,193	1/2	31,534	1/2	41,898	1/2	52,269	1/2	62,640	1/2	73,010	1/2	83,381	1/2	93,752	1/2	
3/4	778	3/4	11,039	3/4	21,409	3/4	31,749	3/4	42,114	3/4	52,485	3/4	62,856	3/4	73,226	3/4	83,597	3/4	93,968	3/4	
2	926	2	11,255	2	21,625	2	31,964	2	42,330	2	52,701	2	63,072	2	73,443	2	83,813	2	94,184	2	
1/4	1,133	1/4	11,471	1/4	21,841	1/4	32,184	1/4	42,546	1/4	52,917	1/4	63,288	1/4	73,659	1/4	84,029	1/4	94,400	1/4	
1/2	1,340	1/2	11,687	1/2	22,058	1/2	32,395	1/2	42,762	1/2	53,133	1/2	63,504	1/2	73,875	1/2	84,245	1/2	94,616	1/2	
3/4	1,546	3/4	11,903	3/4	22,274	3/4	32,610	3/4	42,978	3/4	53,349	3/4	63,720	3/4	74,091	3/4	84,461	3/4	94,832	3/4	
3	1,753	3	12,119	3	22,490	3	32,826	3	43,194	3	53,565	3	63,936	3	74,307	3	84,678	3	95,048	3	
1/4	1,968	1/4	12,335	1/4	22,706	1/4	33,041	1/4	43,410	1/4	53,781	1/4	64,152	1/4	74,523	1/4	84,894	1/4	95,264	1/4	
1/2	2,183	1/2	12,551	1/2	22,922	1/2	33,257	1/2	43,626	1/2	53,997	1/2	64,368	1/2	74,739	1/2	85,115	1/2	95,480	1/2	
3/4	2,399	3/4	12,767	3/4	23,138	3/4	33,472	3/4	43,843	3/4	54,213	3/4	64,584	3/4	74,955	3/4	85,326	3/4	95,697	3/4	
4	2,614	4	12,983	4	23,354	4	33,688	4	44,059	4	54,429	4	64,800	4	75,171	4	85,542	4	95,913	4	
1/4	2,830	1/4	13,200	1/4	23,570	1/4	33,904	1/4	44,275	1/4	54,645	1/4	65,016	1/4	75,387	1/4	85,758	1/4	96,129	1/4	
1/2	3,046	1/2	13,416	1/2	23,786	1/2	34,120	1/2	44,491	1/2	54,862	1/2	65,232	1/2	75,603	1/2	85,974	1/2	96,345	1/2	
3/4	3,261	3/4	13,632	3/4	24,002	3/4	34,336	3/4	44,707	3/4	55,078	3/4	65,448	3/4	75,819	3/4	86,190	3/4	96,561	3/4	
5	3,477	5	13,848	5	24,218	5	34,552	5	44,923	5	55,294	5	65,664	5	76,035	5	86,406	5	96,777	5	
1/4	3,693	1/4	14,064	1/4	24,434	1/4	34,768	1/4	45,139	1/4	55,510	1/4	65,880	1/4	76,251	1/4	86,622	1/4	97,093	1/4	
1/2	3,909	1/2	14,280	1/2	24,650	1/2	34,984	1/2	45,355	1/2	55,726	1/2	66,097	1/2	76,467	1/2	86,838	1/2	97,209	1/2	
3/4	4,125	3/4	14,496	3/4	24,865	3/4	35,200	3/4	45,571	3/4	55,947	3/4	66,313	3/4	76,683	3/4	87,054	3/4	97,425	3/4	
6	4,341	6	14,712	6	25,081	6	35,416	6	45,787	6	56,158	6	66,529	6	76,899	6	87,270	6	97,641	6	
1/4	4,558	1/4	14,928	1/4	25,296	1/4	35,632	1/4	46,003	1/4	56,374	1/4	66,745	1/4	77,116	1/4	87,486	1/4	97,857	1/4	
1/2	4,774	1/2	15,144	1/2	25,511	1/2	35,848	1/2	46,219	1/2	56,580	1/2	66,961	1/2	77,332	1/2	87,702	1/2	98,073	1/2	
3/4	4,990	3/4	15,360	3/4	25,727	3/4	36,064	3/4	46,435	3/4	56,806	3/4	67,177	3/4	77,548	3/4	87,918	3/4	98,289	3/4	
7	5,206	7	15,576	7	25,942	7	36,280	7	46,651	7	57,022	7	67,393	7	77,764	7	88,134	7	98,505	7	
1/4	5,422	1/4	15,792	1/4	26,157	1/4	36,497	1/4	46,867	1/4	57,238	1/4	67,609	1/4	77,980	1/4	88,351	1/4	98,721	1/4	
1/2	5,638	1/2	16,008	1/2	26,372	1/2	36,713	1/2	47,083	1/2	57,454	1/2	67,825	1/2	78,196	1/2	88,567	1/2	98,937	1/2	
3/4	5,854	3/4	16,224	3/4	26,587	3/4	36,929	3/4	47,299	3/4	57,670	3/4	68,041	3/4	78,412	3/4	88,799	3/4	99,153	3/4	
8	6,070	8	16,440	8	26,802	8	37,145	8	47,516	8	57,886	8	68,257	8	78,628	8	89,000	8	99,370	8	
1/4	6,286	1/4	16,656	1/4	27,017	1/4	37,361	1/4	47,732	1/4	58,102	1/4	68,473	1/4	78,844	1/4	89,215	1/4	99,586	1/4	
1/2	6,502	1/2	16,872	1/2	27,232	1/2	37,577	1/2	47,948	1/2	58,318	1/2	68,689	1/2	79,060	1/2	89,431	1/2	99,807	1/2	
3/4	6,718	3/4	17,088	3/4	27,447	3/4	37,793	3/4	48,164	3/4	58,534	3/4	68,905	3/4	79,276	3/4	89,647	3/4	100,012	3/4	
9	6,934	9	17,304	9	27,662	9	38,009	9	48,380	9	58,751	9	69,121	9	79,492	9	89,863	9	100,234	9	
1/4	7,150	1/4	17,520	1/4	27,877	1/4	38,225	1/4	48,596	1/4	58,967	1/4	69,337	1/4	79,708	1/4	90,079	1/4	100,450	1/4	
1/2	7,366	1/2	17,737	1/2	28,092	1/2	38,441	1/2	48,812	1/2	59,183	1/2	69,553	1/2	79,924	1/2	90,295	1/2	100,666	1/2	
3/4	7,582	3/4	17,953	3/4	28,308	3/4	38,657	3/4	49,028	3/4	59,399	3/4	69,770	3/4	80,140	3/4	90,516	3/4	100,882	3/4	
10	7,798	10	18,169	10	28,523	10	38,873	10	49,244	10	59,615	10	69,986	10	80,356	10	90,727	10	101,098	10	
1/4	8,014	1/4	18,385	1/4	28,738	1/4	39,089	1/4	49,460	1/4	59,831	1/4	70,202	1/4	80,572	1/4	90,943	1/4	101,314	1/4	
1/2	8,230	1/2	18,601	1/2	28,953	1/2	39,305	1/2	49,676	1/2	60,047	1/2	70,418	1/2	80,789	1/2	91,159	1/2	101,530	1/2	
3/4	8,446	3/4	18,817	3/4	29,168	3/4	39,521	3/4	49,892	3/4	60,263	3/4	70,634	3/4	81,005	3/4	91,375	3/4	101,746	3/4	
11	8,662	11	19,033	11	29,383	11	39,737	11	50,108	11	60,479	11	70,850	11	81,221	11	91,591	11	101,962	11	
1/4	8,879	1/4	19,249	1/4	29,598	1/4	39,953	1/4	50,324	1/4	60,695	1/4	71,066	1/4	81,437	1/4	91,807	1/4	102,184	1/4	
1/2	9,095	1/2	19,465	1/2	29,813	1/2	40,170	1/2	50,540	1/2	60,911	1/2	71,282	1/2	81,653	1/2	92,024	1/2	102,398	1/2	
3/4	9,311	3/4	19,681	3/4	30,028	3/4	40,386	3/4	50,756	3/4	61,127	3/4	71,498	3/4	81,869	3/4	92,240	3/4	102,610	3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
http://www.pmaacorp.net

[Signature]

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH IAPMO 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 INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE
GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 24'-00" FORWARD OF AFT BULKHEAD



BARGE "IB 1311"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-01 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	102,826	0	113,197	0	123,568	0	133,939	0	144,310	0	154,682	0	0	0	0	0	0	0	0
1/4	103,043	1/4	113,413	1/4	123,784	1/4	134,155	1/4	144,526	1/4	154,898	1/4	0	0	0	0	0	0	0
1/2	103,259	1/2	113,629	1/2	124,000	1/2	134,371	1/2	144,742	1/2	154,814	1/2	0	0	0	0	0	0	0
3/4	103,475	3/4	113,845	3/4	124,216	3/4	134,587	3/4	144,958	3/4	154,940	3/4	0	0	0	0	0	0	0
1	103,691	1	114,061	1	124,432	1	134,803	1	145,174	1	155,066	1	0	0	0	0	0	0	0
1 1/4	103,907	1 1/4	114,278	1 1/4	124,648	1 1/4	135,019	1 1/4	145,390	1 1/4	155,125	1 1/4	0	0	0	0	0	0	0
1 1/2	104,123	1 1/2	114,494	1 1/2	124,864	1 1/2	135,235	1 1/2	145,606	1 1/2	155,183	1 1/2	0	0	0	0	0	0	0
3/2	104,339	3/2	114,710	3/2	125,080	3/2	135,451	3/2	145,822	3/2	155,242	3/2	0	0	0	0	0	0	0
2	104,555	2	114,926	2	125,297	2	135,667	2	146,038	2	155,300	2	0	0	0	0	0	0	0
1 3/4	104,771	1 3/4	115,142	1 3/4	125,513	1 3/4	135,883	1 3/4	146,254	1 3/4	155,318	1 3/4	0	0	0	0	0	0	0
1 1/2	104,987	1 1/2	115,358	1 1/2	125,729	1 1/2	136,099	1 1/2	146,470	1 1/2	155,318	1 1/2	0	0	0	0	0	0	0
3/4	105,203	3/4	115,574	3/4	125,945	3/4	136,315	3/4	146,686	3/4	155,318	3/4	0	0	0	0	0	0	0
3	105,419	3	115,790	3	126,161	3	136,532	3	146,902	3	155,318	3	0	0	0	0	0	0	0
1 1/4	105,635	1 1/4	116,006	1 1/4	126,377	1 1/4	136,748	1 1/4	147,118	1 1/4	155,318	1 1/4	0	0	0	0	0	0	0
1 1/2	105,851	1 1/2	116,222	1 1/2	126,593	1 1/2	136,964	1 1/2	147,334	1 1/2	155,318	1 1/2	0	0	0	0	0	0	0
3/4	106,067	3/4	116,438	3/4	126,809	3/4	137,180	3/4	147,551	3/4	155,318	3/4	0	0	0	0	0	0	0
4	106,283	4	116,654	4	127,025	4	137,396	4	147,767	4	155,318	4	0	0	0	0	0	0	0
1 3/4	106,499	1 3/4	116,870	1 3/4	127,241	1 3/4	137,612	1 3/4	147,983	1 3/4	155,318	1 3/4	0	0	0	0	0	0	0
1 1/2	106,716	1 1/2	117,086	1 1/2	127,457	1 1/2	137,828	1 1/2	148,199	1 1/2	155,318	1 1/2	0	0	0	0	0	0	0
3/4	106,932	3/4	117,302	3/4	127,673	3/4	138,044	3/4	148,415	3/4	155,318	3/4	0	0	0	0	0	0	0
5	107,148	5	117,518	5	127,889	5	138,260	5	148,631	5	155,318	5	0	0	0	0	0	0	0
1 1/4	107,364	1 1/4	117,734	1 1/4	128,105	1 1/4	138,476	1 1/4	148,847	1 1/4	155,318	1 1/4	0	0	0	0	0	0	0
1 1/2	107,580	1 1/2	117,950	1 1/2	128,321	1 1/2	138,692	1 1/2	149,063	1 1/2	155,318	1 1/2	0	0	0	0	0	0	0
3/4	107,796	3/4	118,167	3/4	128,537	3/4	138,908	3/4	149,279	3/4	155,318	3/4	0	0	0	0	0	0	0
6	108,012	6	118,383	6	128,753	6	139,124	6	149,495	6	155,318	6	0	0	0	0	0	0	0
1 1/4	108,228	1 1/4	118,599	1 1/4	128,970	1 1/4	139,340	1 1/4	149,711	1 1/4	155,318	1 1/4	0	0	0	0	0	0	0
1 1/2	108,444	1 1/2	118,815	1 1/2	129,186	1 1/2	139,556	1 1/2	149,927	1 1/2	155,318	1 1/2	0	0	0	0	0	0	0
3/4	108,660	3/4	119,031	3/4	129,402	3/4	139,772	3/4	150,143	3/4	155,318	3/4	0	0	0	0	0	0	0
7	108,876	7	119,247	7	129,618	7	139,988	7	150,359	7	155,318	7	0	0	0	0	0	0	0
1 1/4	109,092	1 1/4	119,463	1 1/4	129,834	1 1/4	140,205	1 1/4	150,575	1 1/4	155,318	1 1/4	0	0	0	0	0	0	0
1 1/2	109,308	1 1/2	119,679	1 1/2	130,050	1 1/2	140,421	1 1/2	150,791	1 1/2	155,318	1 1/2	0	0	0	0	0	0	0
3/4	109,524	3/4	119,895	3/4	130,266	3/4	140,637	3/4	151,007	3/4	155,318	3/4	0	0	0	0	0	0	0
8	109,740	8	120,111	8	130,482	8	140,853	8	151,224	8	155,318	8	0	0	0	0	0	0	0
1 1/4	109,956	1 1/4	120,327	1 1/4	130,698	1 1/4	141,069	1 1/4	151,440	1 1/4	155,318	1 1/4	0	0	0	0	0	0	0
1 1/2	110,172	1 1/2	120,543	1 1/2	130,914	1 1/2	141,285	1 1/2	151,656	1 1/2	155,318	1 1/2	0	0	0	0	0	0	0
3/4	110,388	3/4	120,759	3/4	131,130	3/4	141,501	3/4	151,872	3/4	155,318	3/4	0	0	0	0	0	0	0
9	110,605	9	120,975	9	131,346	9	141,717	9	152,088	9	155,318	9	0	0	0	0	0	0	0
1 1/4	110,821	1 1/4	121,191	1 1/4	131,562	1 1/4	141,933	1 1/4	152,303	1 1/4	155,318	1 1/4	0	0	0	0	0	0	0
1 1/2	111,037	1 1/2	121,407	1 1/2	131,778	1 1/2	142,149	1 1/2	152,519	1 1/2	155,318	1 1/2	0	0	0	0	0	0	0
3/4	111,253	3/4	121,624	3/4	131,994	3/4	142,365	3/4	152,734	3/4	155,318	3/4	0	0	0	0	0	0	0
10	111,469	10	121,840	10	132,210	10	142,581	10	152,950	10	155,318	10	0	0	0	0	0	0	0
1 1/4	111,685	1 1/4	122,056	1 1/4	132,426	1 1/4	142,797	1 1/4	153,163	1 1/4	155,318	1 1/4	0	0	0	0	0	0	0
1 1/2	111,901	1 1/2	122,272	1 1/2	132,642	1 1/2	143,013	1 1/2	153,375	1 1/2	155,318	1 1/2	0	0	0	0	0	0	0
3/4	112,117	3/4	122,488	3/4	132,859	3/4	143,229	3/4	153,588	3/4	155,318	3/4	0	0	0	0	0	0	0
11	112,333	11	122,704	11	133,075	11	143,445	11	153,801	11	155,318	11	0	0	0	0	0	0	0
1 1/4	112,549	1 1/4	122,920	1 1/4	133,291	1 1/4	143,661	1 1/4	154,014	1 1/4	155,318	1 1/4	0	0	0	0	0	0	0
1 1/2	112,765	1 1/2	123,136	1 1/2	133,507	1 1/2	143,878	1 1/2	154,182	1 1/2	155,318	1 1/2	0	0	0	0	0	0	0
3/4	112,981	3/4	123,352	3/4	133,723	3/4	144,094	3/4	154,372	3/4	155,318	3/4	0	0	0	0	0	0	0

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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CANCEL S AND SUPERCEDES
ALL PRIOR TO 09/20/19