



BARGE "B 1304"

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"

August 19, 2019

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

<http://www.pmacorp.net>



BARGE "IB 1304"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS												GAUGE HEIGHT 16'-01 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	170,637	0	160,876	0	150,673	0	140,471	0	130,268	0	119,356	0	107,432	0	95,504	0	83,576						
1/4	170,570	1/4	160,664	1/4	150,461	1/4	140,258	1/4	130,055	1/4	119,107	1/4	107,183	1/4	95,255	1/4	83,327						
1/2	170,425	1/2	160,458	1/2	150,254	1/2	140,046	1/2	129,843	1/2	118,859	1/2	106,935	1/2	95,007	1/2	83,079						
3/4	170,280	3/4	160,258	3/4	150,036	3/4	139,833	3/4	129,630	3/4	118,611	3/4	106,686	3/4	94,758	3/4	82,830						
1	170,134	1	160,026	1	149,823	1	139,620	1	129,418	1	118,362	1	106,438	1	94,510	1	82,582						
1 1/4	169,989	1 1/4	159,813	1 1/4	149,611	1 1/4	139,408	1 1/4	129,205	1 1/4	118,114	1 1/4	106,189	1 1/4	94,261	1 1/4	82,333						
1 1/2	169,833	1 1/2	159,388	1 1/2	149,186	1 1/2	139,195	1 1/2	128,993	1 1/2	117,868	1 1/2	105,941	1 1/2	94,013	1 1/2	82,085						
1 3/4	169,678	1 3/4	159,388	1 3/4	149,186	1 3/4	139,195	1 3/4	128,993	1 3/4	117,868	1 3/4	105,941	1 3/4	94,013	1 3/4	82,085						
2	169,572	2	159,176	2	148,973	2	138,770	2	128,567	2	117,370	2	105,444	2	93,516	2	81,550						
1/4	169,166	1/4	158,963	1/4	148,760	1/4	138,558	1/4	128,355	1/4	117,122	1/4	105,195	1/4	93,267	1/4	81,342						
1/2	168,953	1/2	158,751	1/2	148,548	1/2	138,345	1/2	128,142	1/2	116,874	1/2	104,947	1/2	93,019	1/2	81,095						
3/4	168,740	3/4	158,538	3/4	148,335	3/4	138,133	3/4	127,930	3/4	116,625	3/4	104,698	3/4	92,770	3/4	80,847						
3	168,527	3	158,325	3	148,123	3	137,920	3	127,717	3	116,377	3	104,450	3	92,522	3	80,600						
1/4	168,313	1/4	158,113	1/4	147,910	1/4	137,707	1/4	127,505	1/4	116,129	1/4	104,201	1/4	92,273	1/4	80,352						
1/2	168,101	1/2	157,900	1/2	147,698	1/2	137,495	1/2	127,292	1/2	115,881	1/2	103,953	1/2	92,025	1/2	80,105						
3/4	167,889	3/4	157,688	3/4	147,485	3/4	137,282	3/4	127,080	3/4	115,632	3/4	103,704	3/4	91,776	3/4	79,858						
4	167,677	4	157,475	4	147,273	4	137,070	4	126,867	4	115,384	4	103,456	4	91,528	4	79,610						
1/4	167,465	1/4	157,263	1/4	147,060	1/4	136,857	1/4	126,654	1/4	115,135	1/4	103,207	1/4	91,279	1/4	79,363						
1/2	167,253	1/2	157,050	1/2	146,847	1/2	136,645	1/2	126,442	1/2	114,887	1/2	102,959	1/2	91,031	1/2	79,115						
3/4	167,040	3/4	156,838	3/4	146,635	3/4	136,432	3/4	126,229	3/4	114,638	3/4	102,710	3/4	90,782	3/4	78,868						
5	166,828	5	156,625	5	146,422	5	136,220	5	126,017	5	114,390	5	102,462	5	90,534	5	78,620						
1/4	166,615	1/4	156,412	1/4	146,210	1/4	136,007	1/4	125,804	1/4	114,141	1/4	102,213	1/4	90,285	1/4	78,373						
1/2	166,403	1/2	156,200	1/2	146,000	1/2	135,794	1/2	125,592	1/2	113,893	1/2	102,013	1/2	90,037	1/2	78,125						
3/4	166,190	3/4	155,987	3/4	145,785	3/4	135,582	3/4	125,379	3/4	113,644	3/4	101,716	3/4	89,788	3/4	77,878						
6	165,978	6	155,775	6	145,572	6	135,369	6	125,167	6	113,396	6	101,468	6	89,540	6	77,631						
1/4	165,765	1/4	155,562	1/4	145,359	1/4	135,157	1/4	124,954	1/4	113,147	1/4	101,219	1/4	89,291	1/4	77,383						
1/2	165,552	1/2	155,350	1/2	145,147	1/2	134,944	1/2	124,728	1/2	112,899	1/2	100,971	1/2	89,043	1/2	77,136						
3/4	165,340	3/4	155,137	3/4	144,934	3/4	134,732	3/4	124,503	3/4	112,650	3/4	100,722	3/4	88,794	3/4	76,888						
7	165,127	7	154,925	7	144,722	7	134,519	7	124,277	7	112,402	7	100,474	7	88,546	7	76,641						
1/4	164,915	1/4	154,712	1/4	144,509	1/4	134,307	1/4	124,052	1/4	112,153	1/4	100,225	1/4	88,297	1/4	76,393						
1/2	164,702	1/2	154,499	1/2	144,297	1/2	134,094	1/2	123,808	1/2	111,905	1/2	99,977	1/2	88,049	1/2	76,146						
3/4	164,490	3/4	154,287	3/4	144,084	3/4	133,881	3/4	123,564	3/4	111,656	3/4	99,728	3/4	87,800	3/4	75,898						
8	164,277	8	154,074	8	143,872	8	133,669	8	123,321	8	111,408	8	99,480	8	87,552	8	75,651						
1/4	164,065	1/4	153,862	1/4	143,659	1/4	133,456	1/4	123,077	1/4	111,159	1/4	99,231	1/4	87,303	1/4	75,404						
1/2	163,852	1/2	153,649	1/2	143,446	1/2	133,244	1/2	122,829	1/2	110,911	1/2	98,983	1/2	87,055	1/2	75,156						
3/4	163,639	3/4	153,437	3/4	143,234	3/4	133,031	3/4	122,581	3/4	110,662	3/4	98,734	3/4	86,806	3/4	74,909						
9	163,427	9	153,224	9	143,021	9	132,819	9	122,333	9	110,414	9	98,486	9	86,558	9	74,661						
1/4	163,214	1/4	153,012	1/4	142,809	1/4	132,606	1/4	122,085	1/4	110,165	1/4	98,237	1/4	86,309	1/4	74,414						
1/2	163,002	1/2	152,799	1/2	142,596	1/2	132,394	1/2	121,837	1/2	109,917	1/2	97,989	1/2	86,061	1/2	74,166						
3/4	162,789	3/4	152,586	3/4	142,384	3/4	132,181	3/4	121,588	3/4	109,668	3/4	97,740	3/4	85,812	3/4	73,919						
10	162,577	10	152,374	10	142,171	10	131,968	10	121,340	10	109,420	10	97,492	10	85,564	10	73,671						
1/4	162,364	1/4	152,161	1/4	141,959	1/4	131,756	1/4	121,092	1/4	109,171	1/4	97,243	1/4	85,315	1/4	73,423						
1/2	162,152	1/2	151,949	1/2	141,746	1/2	131,543	1/2	120,844	1/2	108,923	1/2	96,995	1/2	85,067	1/2	73,176						
3/4	161,939	3/4	151,736	3/4	141,533	3/4	131,331	3/4	120,596	3/4	108,674	3/4	96,746	3/4	84,818	3/4	72,929						
11	161,726	11	151,524	11	141,321	11	131,118	11	120,348	11	108,426	11	96,498	11	84,570	11	72,682						
1/4	161,514	1/4	151,311	1/4	141,108	1/4	130,906	1/4	120,099	1/4	108,177	1/4	96,249	1/4	84,323	1/4	72,434						
1/2	161,301	1/2	151,099	1/2	140,896	1/2	130,693	1/2	119,851	1/2	107,929	1/2	96,001	1/2	84,073	1/2	72,186						
3/4	161,089	3/4	150,886	3/4	140,683	3/4	130,480	3/4	119,603	3/4	107,680	3/4	95,752	3/4	83,824	3/4	71,938						

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH IMPWS CHAPTER 2.7
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
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
Pasland, Texas 77588
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BARGE "IB 1304"

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	71,690	0	59,766	0	47,843	0	36,004	0	24,316	0	12,373	0	700	0	0	0	0	0	0
1/4	71,441	1/4	59,518	1/4	47,595	1/4	35,756	1/4	24,067	1/4	12,124	1/4	530	1/4	1/4	1/4	1/4	1/4	1/4
1/2	71,193	1/2	59,270	1/2	47,346	1/2	35,525	1/2	23,818	1/2	11,874	1/2	455	1/2	1/2	1/2	1/2	1/2	1/2
3/4	70,945	3/4	59,021	3/4	47,098	3/4	35,285	3/4	23,570	3/4	11,625	3/4	380	3/4	3/4	3/4	3/4	3/4	3/4
1	70,696	1	58,773	1	46,849	1	35,045	1	23,321	1	11,376	1	305	1	1	1	1	1	1
1/4	70,448	1/4	58,524	1/4	46,601	1/4	34,805	1/4	23,073	1/4	11,127	1/4	231	1/4	1/4	1/4	1/4	1/4	1/4
1/2	70,199	1/2	58,276	1/2	46,353	1/2	34,555	1/2	22,824	1/2	10,878	1/2	156	1/2	1/2	1/2	1/2	1/2	1/2
3/4	69,951	3/4	58,028	3/4	46,104	3/4	34,325	3/4	22,576	3/4	10,629	3/4	81	3/4	3/4	3/4	3/4	3/4	3/4
2	69,703	2	57,779	2	45,857	2	34,085	2	22,327	2	10,380	2	6	2	2	2	2	2	2
1/4	69,454	1/4	57,531	1/4	45,607	1/4	33,845	1/4	22,078	1/4	10,131	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4
1/2	69,206	1/2	57,282	1/2	45,359	1/2	33,605	1/2	21,830	1/2	9,882	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2
3/4	68,957	3/4	57,034	3/4	45,111	3/4	33,365	3/4	21,581	3/4	9,633	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4
3	68,709	3	56,786	3	44,862	3	33,125	3	21,333	3	9,384	3	1	3	3	3	3	3	3
1/4	68,461	1/4	56,537	1/4	44,614	1/4	32,885	1/4	21,084	1/4	9,135	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4
1/2	68,212	1/2	56,289	1/2	44,365	1/2	32,646	1/2	20,836	1/2	8,886	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2
3/4	67,964	3/4	56,040	3/4	44,117	3/4	32,406	3/4	20,587	3/4	8,637	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4
4	67,715	4	55,792	4	43,869	4	32,166	4	20,339	4	8,388	4	1	4	4	4	4	4	4
1/4	67,467	1/4	55,544	1/4	43,620	1/4	31,926	1/4	20,090	1/4	8,139	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4
1/2	67,219	1/2	55,295	1/2	43,372	1/2	31,686	1/2	19,841	1/2	7,890	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2
3/4	66,970	3/4	55,047	3/4	43,123	3/4	31,446	3/4	19,593	3/4	7,641	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4
5	66,722	5	54,798	5	42,875	5	31,206	5	19,344	5	7,392	5	1	5	5	5	5	5	5
1/4	66,473	1/4	54,550	1/4	42,627	1/4	30,966	1/4	19,096	1/4	7,142	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4
1/2	66,225	1/2	54,302	1/2	42,378	1/2	30,724	1/2	18,847	1/2	6,893	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2
3/4	65,977	3/4	54,053	3/4	42,130	3/4	30,483	3/4	18,598	3/4	6,644	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4
6	65,728	6	53,805	6	41,881	6	30,241	6	18,349	6	6,395	6	1	6	6	6	6	6	6
1/4	65,480	1/4	53,556	1/4	41,633	1/4	30,000	1/4	18,100	1/4	6,146	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4
1/2	65,231	1/2	53,308	1/2	41,385	1/2	29,758	1/2	17,851	1/2	5,897	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2
3/4	64,983	3/4	53,060	3/4	41,136	3/4	29,516	3/4	17,602	3/4	5,648	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4
7	64,735	7	52,811	7	40,888	7	29,274	7	17,353	7	5,399	7	1	7	7	7	7	7	7
1/4	64,486	1/4	52,563	1/4	40,639	1/4	29,032	1/4	17,104	1/4	5,150	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4
1/2	64,238	1/2	52,314	1/2	40,391	1/2	28,785	1/2	16,855	1/2	4,901	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2
3/4	63,989	3/4	52,066	3/4	40,143	3/4	28,538	3/4	16,606	3/4	4,652	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4
8	63,741	8	51,818	8	39,894	8	28,291	8	16,357	8	4,403	8	1	8	8	8	8	8	8
1/4	63,493	1/4	51,569	1/4	39,646	1/4	28,044	1/4	16,108	1/4	4,154	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4
1/2	63,244	1/2	51,321	1/2	39,397	1/2	27,795	1/2	15,859	1/2	3,905	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2
3/4	62,996	3/4	51,072	3/4	39,149	3/4	27,547	3/4	15,610	3/4	3,656	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4
9	62,747	9	50,824	9	38,901	9	27,298	9	15,361	9	3,407	9	1	9	9	9	9	9	9
1/4	62,499	1/4	50,576	1/4	38,652	1/4	27,050	1/4	15,112	1/4	3,158	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4
1/2	62,251	1/2	50,327	1/2	38,410	1/2	26,801	1/2	14,863	1/2	2,910	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2
3/4	62,002	3/4	50,079	3/4	38,168	3/4	26,553	3/4	14,614	3/4	2,662	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4
10	61,754	10	49,830	10	37,926	10	26,304	10	14,365	10	2,414	10	1	10	10	10	10	10	10
1/4	61,505	1/4	49,582	1/4	37,684	1/4	26,056	1/4	14,116	1/4	2,166	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4
1/2	61,257	1/2	49,334	1/2	37,444	1/2	25,807	1/2	13,867	1/2	1,928	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2
3/4	61,009	3/4	49,085	3/4	37,204	3/4	25,558	3/4	13,618	3/4	1,690	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4
11	60,760	11	48,837	11	36,964	11	25,310	11	13,369	11	1,451	11	1	11	11	11	11	11	11
1/4	60,512	1/4	48,588	1/4	36,724	1/4	25,061	1/4	13,120	1/4	1,213	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4
1/2	60,263	1/2	48,340	1/2	36,484	1/2	24,813	1/2	12,871	1/2	1,042	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2
3/4	60,015	3/4	48,092	3/4	36,244	3/4	24,564	3/4	12,622	3/4	871	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/19/2019 JS
 CALCULATED: 08/19/2019 CL
 PRINTED: 08/19/2019 CL
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 08/2019

PRECISION MEASUREMENT
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 http://www.pma.com.net



BARGE "IB 1304"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-02"

IN	0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.
0	0	153,779	144,594	134,311	124,027	113,743	103,460	93,176	82,892	72,609
1/4	1/4	153,721	144,380	134,096	123,813	113,529	103,245	92,962	82,678	72,395
1/2	1/2	153,663	144,166	133,882	123,599	113,315	103,031	92,748	82,464	72,180
3/4	3/4	153,605	143,982	133,668	123,384	113,101	102,817	92,533	82,250	71,966
1	1	153,547	143,797	133,454	123,170	112,886	102,603	92,319	82,035	71,752
1/4	1/4	153,422	143,533	133,239	122,956	112,672	102,388	92,105	81,821	71,538
1/2	1/2	153,297	143,309	133,025	122,742	112,458	102,174	91,891	81,607	71,323
3/4	3/4	153,172	143,095	132,811	122,527	112,244	101,960	91,676	81,393	71,109
2	2	153,047	142,880	132,597	122,313	112,029	101,746	91,462	81,178	70,895
1/4	1/4	152,858	142,666	132,382	122,099	111,815	101,532	91,248	80,964	70,681
1/2	1/2	152,669	142,452	132,168	121,885	111,601	101,317	91,034	80,750	70,466
3/4	3/4	152,481	142,238	131,954	121,670	111,387	101,103	90,819	80,536	70,252
3	3	152,292	142,023	131,740	121,456	111,172	100,889	90,605	80,322	70,038
1/4	1/4	152,081	141,809	131,525	121,242	110,958	100,675	90,391	80,107	69,824
1/2	1/2	151,870	141,595	131,311	121,028	110,744	100,460	90,177	79,893	69,609
3/4	3/4	151,659	141,381	131,097	120,813	110,530	100,246	89,962	79,679	69,395
4	4	151,448	141,166	130,883	120,599	110,315	100,032	89,748	79,465	69,181
1/4	1/4	151,234	140,952	130,669	120,385	110,101	99,818	89,534	79,250	68,967
1/2	1/2	151,020	140,738	130,454	120,171	109,887	99,603	89,320	79,036	68,752
3/4	3/4	150,807	140,524	130,240	119,956	109,673	99,389	89,105	78,822	68,538
5	5	150,593	140,309	130,026	119,742	109,459	99,175	88,891	78,608	68,324
1/4	1/4	150,379	140,095	129,812	119,528	109,244	98,961	88,677	78,393	68,110
1/2	1/2	150,164	139,881	129,597	119,314	109,030	98,746	88,463	78,179	67,895
3/4	3/4	149,950	139,667	129,383	119,099	108,816	98,532	88,248	77,965	67,681
6	6	149,736	139,452	129,169	118,885	108,602	98,318	88,034	77,751	67,467
1/4	1/4	149,522	139,238	128,955	118,671	108,387	98,104	87,820	77,536	67,253
1/2	1/2	149,308	139,024	128,740	118,457	108,173	97,889	87,606	77,322	67,038
3/4	3/4	149,093	138,810	128,526	118,242	107,959	97,675	87,392	77,108	66,824
7	7	148,879	138,595	128,312	118,028	107,745	97,461	87,177	76,894	66,610
1/4	1/4	148,665	138,381	128,098	117,814	107,530	97,247	86,963	76,679	66,396
1/2	1/2	148,451	138,167	127,883	117,600	107,316	97,032	86,749	76,465	66,182
3/4	3/4	148,236	137,953	127,669	117,385	107,102	96,818	86,535	76,251	65,967
8	8	148,022	137,739	127,455	117,171	106,888	96,604	86,320	76,037	65,753
1/4	1/4	147,808	137,524	127,241	116,957	106,673	96,390	86,106	75,822	65,539
1/2	1/2	147,594	137,310	127,026	116,743	106,459	96,175	85,892	75,608	65,325
3/4	3/4	147,379	137,096	126,812	116,529	106,245	95,961	85,678	75,394	65,110
9	9	147,165	136,882	126,598	116,314	106,031	95,747	85,463	75,180	64,896
1/4	1/4	146,951	136,667	126,384	116,100	105,816	95,533	85,249	74,965	64,682
1/2	1/2	146,737	136,453	126,169	115,886	105,602	95,318	85,035	74,751	64,468
3/4	3/4	146,522	136,239	125,955	115,672	105,388	95,104	84,821	74,537	64,253
10	10	146,308	136,025	125,741	115,457	105,174	94,890	84,606	74,323	64,039
1/4	1/4	146,094	135,810	125,527	115,243	104,959	94,676	84,392	74,108	63,825
1/2	1/2	145,880	135,596	125,312	115,029	104,745	94,462	84,178	73,894	63,611
3/4	3/4	145,666	135,382	125,098	114,815	104,531	94,247	83,964	73,680	63,396
11	11	145,451	135,168	124,884	114,600	104,317	94,033	83,749	73,466	63,182
1/4	1/4	145,237	134,953	124,670	114,386	104,104	93,819	83,535	73,252	62,968
1/2	1/2	145,023	134,739	124,455	114,172	103,888	93,605	83,321	73,037	62,754
3/4	3/4	144,809	134,525	124,241	113,958	103,674	93,390	83,107	72,823	62,539

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

PRECISION MEASUREMENT
& ANALYSIS, INC.

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

P.O. Box 2092
Pasland, Texas 77588
http://www.pmacorp.net



BARGE "IB 1304"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-02"

IN	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.				
0	62,325	0	52,041	0	41,758	0	31,518	0	21,444	9	11,161	0	919	0
1/4	62,111	1/4	51,827	1/4	41,544	1/4	31,310	1/4	21,230	1/2	10,947	1/4	772	1/4
1/2	61,897	1/2	51,613	1/2	41,329	1/2	31,102	1/2	21,015	1/2	10,732	1/2	625	1/2
3/4	61,682	3/4	51,399	3/4	41,115	3/4	30,894	3/4	20,801	3/4	10,518	3/4	478	3/4
1	61,468	1	51,185	1	40,901	1	30,686	1	20,587	1	10,304	1	331	1
1 1/4	61,254	1 1/4	50,970	1 1/4	40,687	1 1/4	30,478	1 1/4	20,373	1 1/4	10,090	1 1/4	267	1 1/4
1 1/2	61,040	1 1/2	50,756	1 1/2	40,472	1 1/2	30,270	1 1/2	20,159	1 1/2	9,875	1 1/2	202	1 1/2
3/4	60,825	3/4	50,542	3/4	40,258	3/4	30,062	3/4	19,944	3/4	9,661	3/4	138	3/4
2	60,611	2	50,328	2	40,044	2	29,854	2	19,730	2	9,447	2	74	2
1/4	60,397	1/4	50,113	1/4	39,830	1/4	29,646	1/4	19,516	1/4	9,233	1/4		1/4
1/2	60,183	1/2	49,899	1/2	39,615	1/2	29,438	1/2	19,302	1/2	9,018	1/2		1/2
3/4	59,968	3/4	49,685	3/4	39,401	3/4	29,230	3/4	19,087	3/4	8,804	3/4		3/4
3	59,754	3	49,471	3	39,187	3	29,022	3	18,873	3	8,590	3		3
1/2	59,540	1/2	49,256	1/2	38,973	1/2	28,815	1/2	18,659	1/2	8,376	1/2		1/2
1/2	59,326	1/2	49,042	1/2	38,758	1/2	28,607	1/2	18,445	1/2	8,161	1/2		1/2
3/4	59,111	3/4	48,828	3/4	38,544	3/4	28,399	3/4	18,230	3/4	7,947	3/4		3/4
4	58,897	4	48,614	4	38,330	4	28,181	4	18,016	4	7,733	4		4
1/4	58,683	1/4	48,399	1/4	38,116	1/4	27,983	1/4	17,802	1/4	7,519	1/4		1/4
1/2	58,469	1/2	48,185	1/2	37,901	1/2	27,775	1/2	17,588	1/2	7,305	1/2		1/2
3/4	58,255	3/4	47,971	3/4	37,817	3/4	27,567	3/4	17,374	3/4	7,090	3/4		3/4
5	58,040	5	47,757	5	37,743	5	27,359	5	17,159	5	6,876	5		5
1/4	57,826	1/4	47,542	1/4	37,259	1/4	27,151	1/4	16,945	1/4	6,662	1/4		1/4
1/2	57,612	1/2	47,328	1/2	37,045	1/2	26,943	1/2	16,731	1/2	6,448	1/2		1/2
3/4	57,398	3/4	47,114	3/4	36,830	3/4	26,735	3/4	16,517	3/4	6,233	3/4		3/4
6	57,183	6	46,900	6	36,616	6	26,527	6	16,302	6	6,019	6		6
1/4	56,969	1/4	46,686	1/4	36,402	1/4	26,319	1/4	16,088	1/4	5,805	1/4		1/4
1/2	56,755	1/2	46,471	1/2	36,188	1/2	26,112	1/2	15,874	1/2	5,591	1/2		1/2
3/4	56,541	3/4	46,257	3/4	35,973	3/4	25,904	3/4	15,660	3/4	5,376	3/4		3/4
7	56,326	7	46,043	7	35,759	7	25,696	7	15,445	7	5,162	7		7
1/4	56,112	1/4	45,828	1/4	35,545	1/4	25,488	1/4	15,231	1/4	4,948	1/4		1/4
1/2	55,898	1/2	45,614	1/2	35,331	1/2	25,281	1/2	15,017	1/2	4,734	1/2		1/2
3/4	55,684	3/4	45,400	3/4	35,116	3/4	25,073	3/4	14,803	3/4	4,519	3/4		3/4
8	55,469	8	45,186	8	34,902	8	24,865	8	14,588	8	4,305	8		8
1/4	55,255	1/4	44,971	1/4	34,688	1/4	24,653	1/4	14,374	1/4	4,091	1/4		1/4
1/2	55,041	1/2	44,757	1/2	34,474	1/2	24,440	1/2	14,160	1/2	3,877	1/2		1/2
3/4	54,827	3/4	44,543	3/4	34,259	3/4	24,227	3/4	13,946	3/4	3,663	3/4		3/4
9	54,612	9	44,329	9	34,045	9	24,015	9	13,732	9	3,448	9		9
1/4	54,398	1/4	44,115	1/4	33,831	1/4	23,801	1/4	13,517	1/4	3,234	1/4		1/4
1/2	54,184	1/2	43,900	1/2	33,617	1/2	23,586	1/2	13,303	1/2	3,020	1/2		1/2
3/4	53,970	3/4	43,686	3/4	33,402	3/4	23,372	3/4	13,089	3/4	2,806	3/4		3/4
10	53,755	10	43,472	10	33,188	10	23,158	10	12,875	10	2,592	10		10
1/4	53,541	1/4	43,258	1/4	32,979	1/4	22,944	1/4	12,660	1/4	2,379	1/4		1/4
1/2	53,327	1/2	43,043	1/2	32,769	1/2	22,729	1/2	12,446	1/2	2,165	1/2		1/2
3/4	53,113	3/4	42,829	3/4	32,559	3/4	22,515	3/4	12,232	3/4	1,952	3/4		3/4
11	52,898	11	42,615	11	32,350	11	22,301	11	12,018	11	1,739	11		11
1/4	52,684	1/4	42,401	1/4	32,142	1/4	22,087	1/4	11,803	1/4	1,534	1/4		1/4
1/2	52,470	1/2	42,186	1/2	31,934	1/2	21,872	1/2	11,589	1/2	1,329	1/2		1/2
3/4	52,256	3/4	41,972	3/4	31,726	3/4	21,658	3/4	11,375	3/4	1,124	3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/19/2019 JS
 CALCULATED: 08/19/2019 CL
 PRINTED: 08/19/2019 CL
 CANCELS AND SUPPERCEDES
 ALL PRIOR TO 08/2019

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



BARGE "B 1304"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS												GAUGE HEIGHT 16'-01 5/8"											
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	155,087	0	145,596	0	135,233	0	124,871	0	114,509	0	104,146	0	93,784	0	83,421	0	73,059	0	0			
1/4	1/4	155,028	1/4	145,380	1/4	135,017	1/4	124,655	1/4	114,293	1/4	103,930	1/4	93,568	1/4	83,206	1/4	72,843	1/4	1/4			
1/2	1/2	154,970	1/2	145,164	1/2	134,802	1/2	124,439	1/2	114,077	1/2	103,714	1/2	93,352	1/2	82,990	1/2	72,627	1/2	1/2			
3/4	3/4	154,877	3/4	144,948	3/4	134,586	3/4	124,223	3/4	113,861	3/4	103,499	3/4	93,156	3/4	82,774	3/4	72,411	3/4	3/4			
1	1	154,751	1	144,732	1	134,370	1	124,007	1	113,645	1	103,283	1	92,920	1	82,558	1	72,196	1	1			
1 1/4	1 1/4	154,626	1 1/4	144,516	1 1/4	134,154	1 1/4	123,791	1 1/4	113,429	1 1/4	103,067	1 1/4	92,704	1 1/4	82,342	1 1/4	71,980	1 1/4	1 1/4			
1 1/2	1 1/2	154,500	1 1/2	144,300	1 1/2	133,938	1 1/2	123,576	1 1/2	113,213	1 1/2	102,851	1 1/2	92,488	1 1/2	82,126	1 1/2	71,784	1 1/2	1 1/2			
3/4	3/4	154,342	3/4	144,084	3/4	133,722	3/4	123,360	3/4	112,997	3/4	102,635	3/4	92,273	3/4	81,910	3/4	71,548	3/4	3/4			
2	2	154,151	2	143,869	2	133,506	2	123,144	2	112,781	2	102,419	2	92,057	2	81,694	2	71,332	2	2			
1 1/4	1 1/4	153,961	1 1/4	143,653	1 1/4	133,290	1 1/4	122,928	1 1/4	112,566	1 1/4	102,203	1 1/4	91,841	1 1/4	81,478	1 1/4	71,116	1 1/4	1 1/4			
1 1/2	1 1/2	153,771	1 1/2	143,437	1 1/2	133,074	1 1/2	122,712	1 1/2	112,350	1 1/2	101,987	1 1/2	91,625	1 1/2	81,263	1 1/2	70,900	1 1/2	1 1/2			
3/4	3/4	153,670	3/4	143,221	3/4	132,859	3/4	122,496	3/4	112,134	3/4	101,771	3/4	91,409	3/4	81,047	3/4	70,684	3/4	3/4			
3	3	153,557	3	143,005	3	132,643	3	122,280	3	111,918	3	101,556	3	91,193	3	80,831	3	70,468	3	3			
1 1/4	1 1/4	153,145	1 1/4	142,789	1 1/4	132,427	1 1/4	122,064	1 1/4	111,702	1 1/4	101,340	1 1/4	90,977	1 1/4	80,615	1 1/4	70,253	1 1/4	1 1/4			
1 1/2	1 1/2	152,932	1 1/2	142,573	1 1/2	132,211	1 1/2	121,849	1 1/2	111,486	1 1/2	101,124	1 1/2	90,761	1 1/2	80,399	1 1/2	70,037	1 1/2	1 1/2			
3/4	3/4	152,718	3/4	142,357	3/4	131,995	3/4	121,633	3/4	111,270	3/4	100,908	3/4	90,546	3/4	80,183	3/4	69,821	3/4	3/4			
4	4	152,503	4	142,142	4	131,779	4	121,417	4	111,054	4	100,692	4	90,330	4	79,967	4	69,605	4	4			
1 1/4	1 1/4	152,287	1 1/4	141,926	1 1/4	131,563	1 1/4	121,201	1 1/4	110,839	1 1/4	100,476	1 1/4	90,114	1 1/4	79,751	1 1/4	69,389	1 1/4	1 1/4			
1 1/2	1 1/2	152,072	1 1/2	141,710	1 1/2	131,347	1 1/2	120,985	1 1/2	110,623	1 1/2	100,260	1 1/2	89,898	1 1/2	79,536	1 1/2	69,173	1 1/2	1 1/2			
3/4	3/4	151,856	3/4	141,494	3/4	131,132	3/4	120,769	3/4	110,407	3/4	100,044	3/4	89,682	3/4	79,320	3/4	68,957	3/4	3/4			
5	5	151,624	5	141,278	5	130,916	5	120,553	5	109,975	5	99,829	5	89,456	5	79,104	5	68,741	5	5			
1 1/4	1 1/4	151,420	1 1/4	141,062	1 1/4	130,700	1 1/4	120,337	1 1/4	109,759	1 1/4	99,613	1 1/4	89,250	1 1/4	78,888	1 1/4	68,526	1 1/4	1 1/4			
1 1/2	1 1/2	151,209	1 1/2	140,846	1 1/2	130,484	1 1/2	120,121	1 1/2	109,559	1 1/2	99,397	1 1/2	89,034	1 1/2	78,672	1 1/2	68,310	1 1/2	1 1/2			
3/4	3/4	150,993	3/4	140,630	3/4	130,268	3/4	119,906	3/4	109,343	3/4	99,181	3/4	88,818	3/4	78,456	3/4	68,094	3/4	3/4			
6	6	150,561	6	140,414	6	130,052	6	119,690	6	109,127	6	98,965	6	88,603	6	78,240	6	67,878	6	6			
1 1/4	1 1/4	150,345	1 1/4	139,983	1 1/4	129,620	1 1/4	119,288	1 1/4	108,896	1 1/4	98,749	1 1/4	88,387	1 1/4	78,024	1 1/4	67,662	1 1/4	1 1/4			
1 1/2	1 1/2	150,129	1 1/2	139,767	1 1/2	129,404	1 1/2	119,042	1 1/2	108,680	1 1/2	98,531	1 1/2	88,171	1 1/2	77,808	1 1/2	67,446	1 1/2	1 1/2			
3/4	3/4	149,913	3/4	139,551	3/4	129,189	3/4	118,826	3/4	108,464	3/4	98,317	3/4	87,955	3/4	77,593	3/4	67,230	3/4	3/4			
7	7	149,697	7	139,335	7	128,973	7	118,610	7	108,248	7	98,101	7	87,739	7	77,377	7	67,014	7	7			
1 1/4	1 1/4	149,482	1 1/4	139,119	1 1/4	128,757	1 1/4	118,394	1 1/4	108,032	1 1/4	97,886	1 1/4	87,523	1 1/4	77,161	1 1/4	66,798	1 1/4	1 1/4			
1 1/2	1 1/2	149,266	1 1/2	138,903	1 1/2	128,541	1 1/2	118,179	1 1/2	107,816	1 1/2	97,670	1 1/2	87,307	1 1/2	76,945	1 1/2	66,583	1 1/2	1 1/2			
3/4	3/4	149,050	3/4	138,687	3/4	128,325	3/4	117,963	3/4	107,600	3/4	97,454	3/4	87,091	3/4	76,729	3/4	66,367	3/4	3/4			
8	8	148,834	8	138,472	8	128,109	8	117,747	8	107,384	8	97,222	8	86,876	8	76,513	8	66,151	8	8			
1 1/4	1 1/4	148,618	1 1/4	138,256	1 1/4	127,893	1 1/4	117,531	1 1/4	107,169	1 1/4	97,006	1 1/4	86,660	1 1/4	76,297	1 1/4	65,935	1 1/4	1 1/4			
1 1/2	1 1/2	148,402	1 1/2	138,040	1 1/2	127,677	1 1/2	117,315	1 1/2	106,953	1 1/2	96,806	1 1/2	86,444	1 1/2	76,081	1 1/2	65,719	1 1/2	1 1/2			
3/4	3/4	148,186	3/4	137,824	3/4	127,462	3/4	117,099	3/4	106,737	3/4	96,574	3/4	86,228	3/4	75,866	3/4	65,503	3/4	3/4			
9	9	147,970	9	137,608	9	127,246	9	116,883	9	106,521	9	96,358	9	86,012	9	75,650	9	65,287	9	9			
1 1/4	1 1/4	147,754	1 1/4	137,392	1 1/4	127,030	1 1/4	116,667	1 1/4	106,306	1 1/4	96,142	1 1/4	85,796	1 1/4	75,434	1 1/4	65,071	1 1/4	1 1/4			
1 1/2	1 1/2	147,539	1 1/2	137,176	1 1/2	126,814	1 1/2	116,451	1 1/2	106,089	1 1/2	95,927	1 1/2	85,580	1 1/2	75,218	1 1/2	64,855	1 1/2	1 1/2			
3/4	3/4	147,323	3/4	136,960	3/4	126,598	3/4	116,236	3/4	105,873	3/4	95,711	3/4	85,364	3/4	75,002	3/4	64,640	3/4	3/4			
10	10	147,107	10	136,744	10	126,382	10	116,020	10	105,657	10	95,495	10	85,148	10	74,786	10	64,424	10	10			
1 1/4	1 1/4	146,891	1 1/4	136,529	1 1/4	126,166	1 1/4	115,804	1 1/4	105,441	1 1/4	95,279	1 1/4	84,933	1 1/4	74,570	1 1/4	64,208	1 1/4	1 1/4			
1 1/2	1 1/2	146,675	1 1/2	136,313	1 1/2	125,950	1 1/2	115,588	1 1/2	105,226	1 1/2	95,063	1 1/2	84,717	1 1/2	74,354	1 1/2	63,992	1 1/2	1 1/2			
3/4	3/4	146,459	3/4	136,097	3/4	125,734	3/4	115,372	3/4	105,010	3/4	94,847	3/4	84,501	3/4	74,138	3/4	63,776	3/4	3/4			
11	11	146,243	11	135,881	11	125,519	11	115,156	11	104,794	11	94,631	11	84,285	11	73,923	11	63,560	11	11			
1 1/4	1 1/4	146,027	1 1/4	135,665	1 1/4	125,303	1 1/4	114,940	1 1/4	104,578	1 1/4	94,416	1 1/4	84,069	1 1/4	73,707	1 1/4	63,344	1 1/4	1 1/4			
1 1/2	1 1/2	145,812	1 1/2	135,449	1 1/2	125,087	1 1/2	114,724	1 1/2	104,362	1 1/2	94,200	1 1/2	83,853	1 1/2	73,491	1 1/2	63,128	1 1/2	1 1/2			
3/4	3/4	145,596	3/4	135,271	3/4	124,871	3/4	114,509	3/4	104,146	3/4	94,000	3/4	83,637	3/4	73,275	3/4	62,913	3/4	3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MEMS 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
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[Signature]



BARGE "IB 1304"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS				GAUGE HEIGHT 16'-01 5/8"													
IN	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.							
0	62,697	0	52,334	0	41,972	0	31,616	0	21,284	0	10,922	0	703	0	0	0	0
1/4	62,481	1/4	52,118	1/4	41,756	1/4	31,401	1/4	21,068	1/4	10,706	1/4	555	1/4	1/4	1/4	1/4
1/2	62,265	1/2	51,903	1/2	41,540	1/2	31,186	1/2	20,852	1/2	10,490	1/2	407	1/2	1/2	1/2	1/2
3/4	62,049	3/4	51,687	3/4	41,324	3/4	30,971	3/4	20,636	3/4	10,274	3/4	301	3/4	3/4	3/4	3/4
1	61,833	1	51,471	1	41,108	1	30,756	1	20,421	1	10,059	1	236	1	1	1	1
1/4	61,617	1/4	51,255	1/4	40,893	1/4	30,541	1/4	20,205	1/4	9,843	1/4	171	1/4	1/4	1/4	1/4
1/2	61,401	1/2	51,039	1/2	40,677	1/2	30,326	1/2	19,989	1/2	9,627	1/2	105	1/2	1/2	1/2	1/2
3/4	61,185	3/4	50,823	3/4	40,461	3/4	30,111	3/4	19,773	3/4	9,411	3/4	74	3/4	3/4	3/4	3/4
2	60,970	2	50,607	2	40,245	2	29,896	2	19,557	2	9,195	2	2	2	2	2	2
1/4	60,754	1/4	50,391	1/4	40,029	1/4	29,681	1/4	19,341	1/4	8,979	1/4	1	1/4	1/4	1/4	1/4
1/2	60,538	1/2	50,175	1/2	39,813	1/2	29,467	1/2	19,125	1/2	8,763	1/2	1	1/2	1/2	1/2	1/2
3/4	60,322	3/4	49,960	3/4	39,597	3/4	29,252	3/4	18,909	3/4	8,548	3/4	1	3/4	3/4	3/4	3/4
3	60,106	3	49,744	3	39,381	3	29,037	3	18,694	3	8,332	3	1	3	3	3	3
1/4	59,890	1/4	49,528	1/4	39,165	1/4	28,822	1/4	18,478	1/4	8,116	1/4	1	1/4	1/4	1/4	1/4
1/2	59,674	1/2	49,312	1/2	38,950	1/2	28,607	1/2	18,262	1/2	7,900	1/2	1	1/2	1/2	1/2	1/2
3/4	59,458	3/4	49,096	3/4	38,734	3/4	28,392	3/4	18,046	3/4	7,684	3/4	1	3/4	3/4	3/4	3/4
4	59,243	4	48,880	4	38,518	4	28,177	4	17,830	4	7,468	4	1	4	4	4	4
1/4	59,027	1/4	48,664	1/4	38,302	1/4	27,962	1/4	17,614	1/4	7,252	1/4	1	1/4	1/4	1/4	1/4
1/2	58,811	1/2	48,448	1/2	38,086	1/2	27,747	1/2	17,398	1/2	7,036	1/2	1	1/2	1/2	1/2	1/2
3/4	58,595	3/4	48,233	3/4	37,870	3/4	27,532	3/4	17,182	3/4	6,821	3/4	1	3/4	3/4	3/4	3/4
5	58,379	5	48,017	5	37,654	5	27,317	5	16,967	5	6,605	5	1	5	5	5	5
1/4	58,163	1/4	47,801	1/4	37,438	1/4	27,103	1/4	16,751	1/4	6,389	1/4	1	1/4	1/4	1/4	1/4
1/2	57,947	1/2	47,585	1/2	37,222	1/2	26,888	1/2	16,535	1/2	6,173	1/2	1	1/2	1/2	1/2	1/2
3/4	57,731	3/4	47,369	3/4	37,007	3/4	26,673	3/4	16,319	3/4	5,957	3/4	1	3/4	3/4	3/4	3/4
6	57,515	6	47,153	6	36,791	6	26,458	6	16,103	6	5,741	6	1	6	6	6	6
1/4	57,300	1/4	46,937	1/4	36,575	1/4	26,243	1/4	15,887	1/4	5,525	1/4	1	1/4	1/4	1/4	1/4
1/2	57,084	1/2	46,721	1/2	36,359	1/2	26,028	1/2	15,671	1/2	5,309	1/2	1	1/2	1/2	1/2	1/2
3/4	56,868	3/4	46,505	3/4	36,143	3/4	25,813	3/4	15,455	3/4	5,094	3/4	1	3/4	3/4	3/4	3/4
7	56,652	7	46,290	7	35,927	7	25,598	7	15,240	7	4,878	7	1	7	7	7	7
1/4	56,436	1/4	46,074	1/4	35,711	1/4	25,383	1/4	15,024	1/4	4,662	1/4	1	1/4	1/4	1/4	1/4
1/2	56,220	1/2	45,858	1/2	35,495	1/2	25,168	1/2	14,808	1/2	4,446	1/2	1	1/2	1/2	1/2	1/2
3/4	56,004	3/4	45,642	3/4	35,280	3/4	24,953	3/4	14,592	3/4	4,230	3/4	1	3/4	3/4	3/4	3/4
8	55,788	8	45,426	8	35,064	8	24,737	8	14,376	8	4,014	8	1	8	8	8	8
1/4	55,573	1/4	45,210	1/4	34,848	1/4	24,522	1/4	14,160	1/4	3,798	1/4	1	1/4	1/4	1/4	1/4
1/2	55,357	1/2	44,994	1/2	34,632	1/2	24,306	1/2	13,944	1/2	3,582	1/2	1	1/2	1/2	1/2	1/2
3/4	55,141	3/4	44,778	3/4	34,416	3/4	24,090	3/4	13,728	3/4	3,367	3/4	1	3/4	3/4	3/4	3/4
9	54,925	9	44,563	9	34,200	9	23,875	9	13,513	9	3,151	9	1	9	9	9	9
1/4	54,709	1/4	44,347	1/4	33,984	1/4	23,659	1/4	13,297	1/4	2,935	1/4	1	1/4	1/4	1/4	1/4
1/2	54,493	1/2	44,131	1/2	33,768	1/2	23,443	1/2	13,081	1/2	2,720	1/2	1	1/2	1/2	1/2	1/2
3/4	54,277	3/4	43,915	3/4	33,553	3/4	23,227	3/4	12,865	3/4	2,504	3/4	1	3/4	3/4	3/4	3/4
10	54,061	10	43,699	10	33,337	10	23,011	10	12,649	10	2,289	10	1	10	10	10	10
1/4	53,845	1/4	43,483	1/4	33,122	1/4	22,795	1/4	12,433	1/4	2,074	1/4	1	1/4	1/4	1/4	1/4
1/2	53,630	1/2	43,267	1/2	32,907	1/2	22,579	1/2	12,217	1/2	1,859	1/2	1	1/2	1/2	1/2	1/2
3/4	53,414	3/4	43,051	3/4	32,691	3/4	22,363	3/4	12,001	3/4	1,648	3/4	1	3/4	3/4	3/4	3/4
11	53,198	11	42,835	11	32,476	11	22,148	11	11,786	11	1,442	11	1	11	11	11	11
1/4	52,982	1/4	42,620	1/4	32,261	1/4	21,932	1/4	11,570	1/4	1,235	1/4	1	1/4	1/4	1/4	1/4
1/2	52,766	1/2	42,404	1/2	32,046	1/2	21,716	1/2	11,354	1/2	1,029	1/2	1	1/2	1/2	1/2	1/2
3/4	52,550	3/4	42,188	3/4	31,831	3/4	21,500	3/4	11,138	3/4	851	3/4	1	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/19/2019 JS
CALCULATED: 08/19/2019 CL
PRINTED: 08/19/2019 CL
CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2019

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& ANALYSIS, INC.

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