



BARGE "CBC 1397"

INNAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 4'-00"
 DIFF. = 2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 CENTER IS 00-1/2"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED INNAGE IS 4'-00 1/2"

LENGTH BETWEEN DRAFT MARKS: 161'-09"

October 24, 2017

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

<http://www.pmacorp.net>



BARGE "CBC 1397"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 3/4"

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	39	0	8,091	0	18,880	0	29,518	0	40,185	0	50,946	0	61,706	0	72,444	0	83,183	0	93,947
1/4	58	1/4	8,316	1/4	19,104	1/4	29,736	1/4	40,409	1/4	51,170	1/4	61,931	1/4	72,667	1/4	83,407	1/4	94,171
1/2	77	1/2	8,541	1/2	19,329	1/2	29,954	1/2	40,634	1/2	51,394	1/2	62,155	1/2	72,889	1/2	83,632	1/2	94,395
3/4	96	3/4	8,765	3/4	19,554	3/4	30,173	3/4	40,858	3/4	51,618	3/4	62,379	3/4	73,112	3/4	83,856	3/4	94,620
1	114	1	8,990	1	19,779	1	30,391	1	41,082	1	51,843	1	62,603	1	73,335	1	84,080	1	94,844
1/4	170	1/4	9,215	1/4	20,003	1/4	30,609	1/4	41,306	1/4	52,067	1/4	62,827	1/4	73,558	1/4	84,304	1/4	95,068
1/2	227	1/2	9,440	1/2	20,228	1/2	30,828	1/2	41,530	1/2	52,291	1/2	63,051	1/2	73,781	1/2	84,529	1/2	95,292
3/4	283	3/4	9,664	3/4	20,453	3/4	31,046	3/4	41,754	3/4	52,515	3/4	63,276	3/4	74,004	3/4	84,753	3/4	95,517
2	339	2	9,889	2	20,678	2	31,265	2	41,979	2	52,739	2	63,500	2	74,226	2	84,977	2	95,741
1/4	433	1/4	10,114	1/4	20,902	1/4	31,483	1/4	42,203	1/4	52,963	1/4	63,724	1/4	74,449	1/4	85,201	1/4	95,965
1/2	526	1/2	10,339	1/2	21,127	1/2	31,701	1/2	42,427	1/2	53,188	1/2	63,948	1/2	74,672	1/2	85,425	1/2	96,189
3/4	620	3/4	10,563	3/4	21,352	3/4	31,920	3/4	42,651	3/4	53,412	3/4	64,172	3/4	74,895	3/4	85,650	3/4	96,414
3	714	3	10,788	3	21,577	3	32,138	3	42,875	3	53,636	3	64,397	3	75,118	3	85,874	3	96,638
1/4	845	1/4	11,013	1/4	21,801	1/4	32,356	1/4	43,100	1/4	53,860	1/4	64,621	1/4	75,341	1/4	86,098	1/4	96,862
1/2	976	1/2	11,238	1/2	22,026	1/2	32,575	1/2	43,324	1/2	54,084	1/2	64,845	1/2	75,563	1/2	86,322	1/2	97,086
3/4	1,107	3/4	11,462	3/4	22,251	3/4	32,793	3/4	43,548	3/4	54,309	3/4	65,069	3/4	75,786	3/4	86,547	3/4	97,311
4	1,238	4	11,687	4	22,476	4	33,012	4	43,772	4	54,533	4	65,293	4	76,009	4	86,771	4	97,535
1/4	1,406	1/4	11,912	1/4	22,700	1/4	33,236	1/4	43,996	1/4	54,757	1/4	65,517	1/4	76,233	1/4	86,995	1/4	97,759
1/2	1,575	1/2	12,137	1/2	22,925	1/2	33,460	1/2	44,220	1/2	54,981	1/2	65,742	1/2	76,456	1/2	87,219	1/2	97,983
3/4	1,743	3/4	12,361	3/4	23,150	3/4	33,684	3/4	44,445	3/4	55,205	3/4	65,966	3/4	76,680	3/4	87,444	3/4	98,208
5	1,912	5	12,586	5	23,375	5	33,908	5	44,669	5	55,429	5	66,190	5	76,903	5	87,668	5	98,432
1/4	2,117	1/4	12,811	1/4	23,599	1/4	34,132	1/4	44,893	1/4	55,654	1/4	66,414	1/4	77,127	1/4	87,892	1/4	98,656
1/2	2,323	1/2	13,036	1/2	23,824	1/2	34,357	1/2	45,117	1/2	55,878	1/2	66,638	1/2	77,352	1/2	88,116	1/2	98,880
3/4	2,528	3/4	13,261	3/4	24,049	3/4	34,581	3/4	45,341	3/4	56,102	3/4	66,863	3/4	77,576	3/4	88,341	3/4	99,105
6	2,734	6	13,485	6	24,274	6	34,805	6	45,566	6	56,326	6	67,087	6	77,800	6	88,565	6	99,329
1/4	2,954	1/4	13,710	1/4	24,493	1/4	35,029	1/4	45,790	1/4	56,550	1/4	67,310	1/4	78,025	1/4	88,789	1/4	99,553
1/2	3,174	1/2	13,935	1/2	24,711	1/2	35,253	1/2	46,014	1/2	56,774	1/2	67,534	1/2	78,249	1/2	89,013	1/2	99,777
3/4	3,395	3/4	14,160	3/4	24,930	3/4	35,477	3/4	46,238	3/4	56,999	3/4	67,757	3/4	78,473	3/4	89,238	3/4	100,002
7	3,615	7	14,384	7	25,149	7	35,702	7	46,462	7	57,223	7	67,981	7	78,697	7	89,462	7	100,226
1/4	3,837	1/4	14,609	1/4	25,368	1/4	35,926	1/4	46,686	1/4	57,447	1/4	68,205	1/4	78,922	1/4	89,686	1/4	100,450
1/2	4,059	1/2	14,834	1/2	25,586	1/2	36,150	1/2	46,911	1/2	57,671	1/2	68,428	1/2	79,146	1/2	89,910	1/2	100,674
3/4	4,282	3/4	15,059	3/4	25,805	3/4	36,374	3/4	47,135	3/4	57,895	3/4	68,652	3/4	79,370	3/4	90,135	3/4	100,899
8	4,504	8	15,283	8	26,024	8	36,598	8	47,359	8	58,120	8	68,875	8	79,595	8	90,359	8	101,123
1/4	4,727	1/4	15,508	1/4	26,242	1/4	36,823	1/4	47,583	1/4	58,344	1/4	69,099	1/4	79,819	1/4	90,583	1/4	101,347
1/2	4,951	1/2	15,733	1/2	26,461	1/2	37,047	1/2	47,807	1/2	58,568	1/2	69,323	1/2	80,043	1/2	90,807	1/2	101,571
3/4	5,174	3/4	15,958	3/4	26,679	3/4	37,271	3/4	48,032	3/4	58,792	3/4	69,546	3/4	80,267	3/4	91,032	3/4	101,796
9	5,397	9	16,182	9	26,897	9	37,495	9	48,256	9	59,016	9	69,770	9	80,492	9	91,256	9	102,020
1/4	5,621	1/4	16,407	1/4	27,116	1/4	37,719	1/4	48,480	1/4	59,240	1/4	69,993	1/4	80,716	1/4	91,480	1/4	102,244
1/2	5,846	1/2	16,632	1/2	27,334	1/2	37,943	1/2	48,704	1/2	59,465	1/2	70,215	1/2	80,940	1/2	91,704	1/2	102,468
3/4	6,070	3/4	16,857	3/4	27,552	3/4	38,168	3/4	48,928	3/4	59,689	3/4	70,438	3/4	81,164	3/4	91,929	3/4	102,693
10	6,294	10	17,081	10	27,771	10	38,392	10	49,152	10	59,913	10	70,661	10	81,389	10	92,153	10	102,917
1/4	6,518	1/4	17,306	1/4	27,989	1/4	38,616	1/4	49,377	1/4	60,137	1/4	70,884	1/4	81,613	1/4	92,377	1/4	103,141
1/2	6,743	1/2	17,531	1/2	28,207	1/2	38,840	1/2	49,601	1/2	60,361	1/2	71,107	1/2	81,837	1/2	92,601	1/2	103,365
3/4	6,968	3/4	17,756	3/4	28,426	3/4	39,064	3/4	49,825	3/4	60,586	3/4	71,330	3/4	82,062	3/4	92,826	3/4	103,590
11	7,192	11	17,980	11	28,644	11	39,289	11	50,049	11	60,810	11	71,552	11	82,286	11	93,050	11	103,814
1/4	7,417	1/4	18,205	1/4	28,863	1/4	39,513	1/4	50,273	1/4	61,034	1/4	71,775	1/4	82,510	1/4	93,274	1/4	104,038
1/2	7,642	1/2	18,430	1/2	29,081	1/2	39,737	1/2	50,497	1/2	61,258	1/2	71,998	1/2	82,734	1/2	93,498	1/2	104,262
3/4	7,866	3/4	18,655	3/4	29,299	3/4	39,961	3/4	50,722	3/4	61,482	3/4	72,221	3/4	82,959	3/4	93,723	3/4	104,487

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 INNAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE
 GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 29'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
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BARGE "CBC 1397"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 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	104,711	0	114,811	0	124,271	0	133,688	0	143,089	0		0		0		0		0	
1/4	104,935	1/4	115,008	1/4	124,467	1/4	133,885	1/4	143,284	1/4		1/4		1/4		1/4		1/4	
1/2	105,159	1/2	115,206	1/2	124,664	1/2	134,081	1/2	143,478	1/2		1/2		1/2		1/2		1/2	
3/4	105,383	3/4	115,403	3/4	124,860	3/4	134,278	3/4	143,673	3/4		3/4		3/4		3/4		3/4	
1	105,607	1	115,600	1	125,057	1	134,475	1	143,867	1		1		1		1		1	
1/4	105,831	1/4	115,797	1/4	125,254	1/4	134,671	1/4	144,062	1/4		1/4		1/4		1/4		1/4	
1/2	106,055	1/2	115,994	1/2	125,450	1/2	134,868	1/2	144,256	1/2		1/2		1/2		1/2		1/2	
3/4	106,279	3/4	116,191	3/4	125,647	3/4	135,064	3/4	144,451	3/4		3/4		3/4		3/4		3/4	
2	106,503	2	116,388	2	125,843	2	135,261	2	144,645	2		2		2		2		2	
1/4	106,727	1/4	116,585	1/4	126,040	1/4	135,457	1/4	144,849	1/4		1/4		1/4		1/4		1/4	
1/2	106,951	1/2	116,782	1/2	126,236	1/2	135,654	1/2	145,052	1/2		1/2		1/2		1/2		1/2	
3/4	107,175	3/4	116,979	3/4	126,433	3/4	135,850	3/4	145,255	3/4		3/4		3/4		3/4		3/4	
3	107,399	3	117,176	3	126,629	3	136,047	3	145,459	3		3		3		3		3	
1/4	107,623	1/4	117,373	1/4	126,826	1/4	136,243	1/4	145,625	1/4		1/4		1/4		1/4		1/4	
1/2	107,847	1/2	117,570	1/2	127,023	1/2	136,440	1/2	145,791	1/2		1/2		1/2		1/2		1/2	
3/4	108,071	3/4	117,767	3/4	127,219	3/4	136,637	3/4	145,957	3/4		3/4		3/4		3/4		3/4	
4	108,295	4	117,965	4	127,416	4	136,833	4	146,122	4		4		4		4		4	
1/4	108,519	1/4	118,162	1/4	127,612	1/4	137,030	1/4	146,251	1/4		1/4		1/4		1/4		1/4	
1/2	108,743	1/2	118,359	1/2	127,809	1/2	137,226	1/2	146,379	1/2		1/2		1/2		1/2		1/2	
3/4	108,967	3/4	118,556	3/4	128,005	3/4	137,423	3/4	146,508	3/4		3/4		3/4		3/4		3/4	
5	109,191	5	118,753	5	128,202	5	137,619	5	146,636	5		5		5		5		5	
1/4	109,415	1/4	118,950	1/4	128,398	1/4	137,816	1/4	146,727	1/4		1/4		1/4		1/4		1/4	
1/2	109,639	1/2	119,147	1/2	128,595	1/2	138,012	1/2	146,818	1/2		1/2		1/2		1/2		1/2	
3/4	109,863	3/4	119,344	3/4	128,791	3/4	138,209	3/4	146,909	3/4		3/4		3/4		3/4		3/4	
6	110,087	6	119,541	6	128,988	6	138,405	6	147,000	6		6		6		6		6	
1/4	110,284	1/4	119,738	1/4	129,184	1/4	138,602	1/4	147,054	1/4		1/4		1/4		1/4		1/4	
1/2	110,481	1/2	119,935	1/2	129,380	1/2	138,799	1/2	147,107	1/2		1/2		1/2		1/2		1/2	
3/4	110,677	3/4	120,132	3/4	129,576	3/4	138,995	3/4	147,161	3/4		3/4		3/4		3/4		3/4	
7	110,874	7	120,329	7	129,771	7	139,192	7	147,214	7		7		7		7		7	
1/4	111,071	1/4	120,526	1/4	129,967	1/4	139,388	1/4	147,230	1/4		1/4		1/4		1/4		1/4	
1/2	111,268	1/2	120,724	1/2	130,163	1/2	139,585	1/2	147,247	1/2		1/2		1/2		1/2		1/2	
3/4	111,465	3/4	120,921	3/4	130,359	3/4	139,781	3/4	147,263	3/4		3/4		3/4		3/4		3/4	
8	111,662	8	121,118	8	130,555	8	139,978	8	147,279	8		8		8		8		8	
1/4	111,859	1/4	121,315	1/4	130,751	1/4	140,172	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	112,055	1/2	121,512	1/2	130,946	1/2	140,367	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	112,252	3/4	121,709	3/4	131,142	3/4	140,561	3/4		3/4		3/4		3/4		3/4		3/4	
9	112,449	9	121,906	9	131,338	9	140,756	9		9		9		9		9		9	
1/4	112,646	1/4	122,103	1/4	131,534	1/4	140,950	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	112,843	1/2	122,300	1/2	131,730	1/2	141,145	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	113,040	3/4	122,497	3/4	131,926	3/4	141,339	3/4		3/4		3/4		3/4		3/4		3/4	
10	113,237	10	122,694	10	132,122	10	141,534	10		10		10		10		10		10	
1/4	113,433	1/4	122,891	1/4	132,317	1/4	141,728	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	113,630	1/2	123,088	1/2	132,513	1/2	141,923	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	113,827	3/4	123,285	3/4	132,709	3/4	142,117	3/4		3/4		3/4		3/4		3/4		3/4	
11	114,024	11	123,483	11	132,905	11	142,312	11		11		11		11		11		11	
1/4	114,221	1/4	123,680	1/4	133,101	1/4	142,506	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	114,418	1/2	123,877	1/2	133,297	1/2	142,701	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	114,615	3/4	124,074	3/4	133,492	3/4	142,895	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/24/2017 SW
CALCULATED: 10/24/2017 CL
PRINTED: 10/24/2017 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2017

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



BARGE "CBC 1397"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09"

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	39	0	9,061	0	21,149	0	33,090	0	45,031	0	57,119	0	69,207	0	81,296	0	93,384	0	105,470
1/4	60	1/4	9,313	1/4	21,401	1/4	33,334	1/4	45,283	1/4	57,371	1/4	69,459	1/4	81,548	1/4	93,636	1/4	105,722
1/2	81	1/2	9,565	1/2	21,653	1/2	33,579	1/2	45,535	1/2	57,623	1/2	69,711	1/2	81,799	1/2	93,888	1/2	105,974
3/4	102	3/4	9,817	3/4	21,904	3/4	33,823	3/4	45,787	3/4	57,875	3/4	69,963	3/4	82,051	3/4	94,139	3/4	106,225
1	123	1	10,068	1	22,156	1	34,067	1	46,038	1	58,127	1	70,215	1	82,303	1	94,391	1	106,477
1/4	186	1/4	10,320	1/4	22,408	1/4	34,312	1/4	46,290	1/4	58,378	1/4	70,467	1/4	82,555	1/4	94,643	1/4	106,729
1/2	249	1/2	10,572	1/2	22,660	1/2	34,556	1/2	46,542	1/2	58,630	1/2	70,718	1/2	82,807	1/2	94,895	1/2	106,981
3/4	312	3/4	10,824	3/4	22,912	3/4	34,801	3/4	46,794	3/4	58,882	3/4	70,970	3/4	83,059	3/4	95,146	3/4	107,233
2	375	2	11,076	2	23,164	2	35,045	2	47,046	2	59,134	2	71,222	2	83,310	2	95,398	2	107,484
1/4	480	1/4	11,328	1/4	23,415	1/4	35,290	1/4	47,298	1/4	59,386	1/4	71,474	1/4	83,562	1/4	95,650	1/4	107,736
1/2	585	1/2	11,579	1/2	23,667	1/2	35,534	1/2	47,549	1/2	59,638	1/2	71,726	1/2	83,814	1/2	95,902	1/2	107,988
3/4	690	3/4	11,831	3/4	23,919	3/4	35,778	3/4	47,801	3/4	59,889	3/4	71,978	3/4	84,066	3/4	96,154	3/4	108,240
3	795	3	12,083	3	24,171	3	36,023	3	48,053	3	60,141	3	72,230	3	84,318	3	96,405	3	108,492
1/4	942	1/4	12,335	1/4	24,423	1/4	36,267	1/4	48,305	1/4	60,393	1/4	72,481	1/4	84,570	1/4	96,657	1/4	108,743
1/2	1,089	1/2	12,587	1/2	24,675	1/2	36,512	1/2	48,557	1/2	60,645	1/2	72,733	1/2	84,821	1/2	96,909	1/2	108,995
3/4	1,235	3/4	12,839	3/4	24,926	3/4	36,756	3/4	48,809	3/4	60,897	3/4	72,985	3/4	85,073	3/4	97,161	3/4	109,247
4	1,382	4	13,090	4	25,178	4	37,000	4	49,060	4	61,149	4	73,237	4	85,325	4	97,413	4	109,499
1/4	1,571	1/4	13,342	1/4	25,430	1/4	37,245	1/4	49,312	1/4	61,400	1/4	73,489	1/4	85,577	1/4	97,664	1/4	109,751
1/2	1,760	1/2	13,594	1/2	25,682	1/2	37,490	1/2	49,564	1/2	61,652	1/2	73,741	1/2	85,829	1/2	97,916	1/2	110,002
3/4	1,949	3/4	13,846	3/4	25,934	3/4	37,735	3/4	49,816	3/4	61,904	3/4	73,992	3/4	86,081	3/4	98,168	3/4	110,254
5	2,138	5	14,098	5	26,185	5	37,980	5	50,068	5	62,156	5	74,244	5	86,332	5	98,420	5	110,506
1/4	2,368	1/4	14,350	1/4	26,437	1/4	38,231	1/4	50,320	1/4	62,408	1/4	74,496	1/4	86,584	1/4	98,672	1/4	110,758
1/2	2,598	1/2	14,601	1/2	26,689	1/2	38,483	1/2	50,571	1/2	62,660	1/2	74,748	1/2	86,836	1/2	98,923	1/2	111,010
3/4	2,828	3/4	14,853	3/4	26,941	3/4	38,735	3/4	50,823	3/4	62,911	3/4	75,000	3/4	87,088	3/4	99,175	3/4	111,261
6	3,059	6	15,105	6	27,193	6	38,987	6	51,075	6	63,163	6	75,252	6	87,340	6	99,427	6	111,513
1/4	3,305	1/4	15,357	1/4	27,445	1/4	39,239	1/4	51,327	1/4	63,415	1/4	75,503	1/4	87,592	1/4	99,679	1/4	111,765
1/2	3,552	1/2	15,609	1/2	27,696	1/2	39,491	1/2	51,579	1/2	63,667	1/2	75,755	1/2	87,843	1/2	99,931	1/2	112,017
3/4	3,799	3/4	15,861	3/4	27,948	3/4	39,742	3/4	51,831	3/4	63,919	3/4	76,007	3/4	88,095	3/4	100,182	3/4	112,269
7	4,046	7	16,112	7	28,200	7	39,994	7	52,082	7	64,171	7	76,259	7	88,347	7	100,434	7	112,520
1/4	4,295	1/4	16,364	1/4	28,445	1/4	40,246	1/4	52,334	1/4	64,423	1/4	76,511	1/4	88,599	1/4	100,686	1/4	112,772
1/2	4,544	1/2	16,616	1/2	28,690	1/2	40,498	1/2	52,586	1/2	64,674	1/2	76,763	1/2	88,851	1/2	100,938	1/2	113,024
3/4	4,793	3/4	16,868	3/4	28,934	3/4	40,750	3/4	52,838	3/4	64,926	3/4	77,014	3/4	89,103	3/4	101,190	3/4	113,276
8	5,042	8	17,120	8	29,179	8	41,002	8	53,090	8	65,178	8	77,266	8	89,355	8	101,441	8	113,528
1/4	5,292	1/4	17,371	1/4	29,424	1/4	41,253	1/4	53,342	1/4	65,430	1/4	77,518	1/4	89,606	1/4	101,693	1/4	113,779
1/2	5,542	1/2	17,623	1/2	29,668	1/2	41,505	1/2	53,593	1/2	65,682	1/2	77,770	1/2	89,858	1/2	101,945	1/2	114,031
3/4	5,793	3/4	17,875	3/4	29,912	3/4	41,757	3/4	53,845	3/4	65,934	3/4	78,022	3/4	90,110	3/4	102,197	3/4	114,283
9	6,043	9	18,127	9	30,157	9	42,009	9	54,097	9	66,185	9	78,274	9	90,362	9	102,449	9	114,535
1/4	6,294	1/4	18,379	1/4	30,401	1/4	42,261	1/4	54,349	1/4	66,437	1/4	78,525	1/4	90,614	1/4	102,700	1/4	114,786
1/2	6,545	1/2	18,631	1/2	30,646	1/2	42,513	1/2	54,601	1/2	66,689	1/2	78,777	1/2	90,866	1/2	102,952	1/2	115,038
3/4	6,796	3/4	18,882	3/4	30,890	3/4	42,764	3/4	54,853	3/4	66,941	3/4	79,029	3/4	91,117	3/4	103,204	3/4	115,290
10	7,047	10	19,134	10	31,135	10	43,016	10	55,105	10	67,193	10	79,281	10	91,369	10	103,456	10	115,542
1/4	7,299	1/4	19,386	1/4	31,379	1/4	43,268	1/4	55,356	1/4	67,445	1/4	79,533	1/4	91,621	1/4	103,708	1/4	115,794
1/2	7,551	1/2	19,638	1/2	31,623	1/2	43,520	1/2	55,608	1/2	67,696	1/2	79,785	1/2	91,873	1/2	103,959	1/2	116,045
3/4	7,802	3/4	19,890	3/4	31,868	3/4	43,772	3/4	55,860	3/4	67,948	3/4	80,036	3/4	92,125	3/4	104,211	3/4	116,297
11	8,054	11	20,142	11	32,112	11	44,024	11	56,112	11	68,200	11	80,288	11	92,377	11	104,463	11	116,549
1/4	8,306	1/4	20,393	1/4	32,357	1/4	44,275	1/4	56,364	1/4	68,452	1/4	80,540	1/4	92,628	1/4	104,715	1/4	116,801
1/2	8,558	1/2	20,645	1/2	32,601	1/2	44,527	1/2	56,616	1/2	68,704	1/2	80,792	1/2	92,880	1/2	104,966	1/2	117,053
3/4	8,809	3/4	20,897	3/4	32,845	3/4	44,779	3/4	56,867	3/4	68,956	3/4	81,044	3/4	93,132	3/4	105,218	3/4	117,304

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 INNAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE
 GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 29'-00" FORWARD OF AFT BULKHEAD

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



BARGE "CBC 1397"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09"

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	117,556	0	129,642	0	141,729	0	153,747	0	165,729	0		0		0		0		0	
1/4	117,808	1/4	129,894	1/4	141,979	1/4	153,998	1/4	165,977	1/4		1/4		1/4		1/4		1/4	
1/2	118,060	1/2	130,146	1/2	142,229	1/2	154,248	1/2	166,226	1/2		1/2		1/2		1/2		1/2	
3/4	118,312	3/4	130,398	3/4	142,480	3/4	154,499	3/4	166,474	3/4		3/4		3/4		3/4		3/4	
1	118,563	1	130,650	1	142,730	1	154,749	1	166,722	1		1		1		1		1	
1/4	118,815	1/4	130,901	1/4	142,980	1/4	154,999	1/4	166,970	1/4		1/4		1/4		1/4		1/4	
1/2	119,067	1/2	131,153	1/2	143,231	1/2	155,250	1/2	167,218	1/2		1/2		1/2		1/2		1/2	
3/4	119,319	3/4	131,405	3/4	143,481	3/4	155,500	3/4	167,466	3/4		3/4		3/4		3/4		3/4	
2	119,571	2	131,657	2	143,732	2	155,751	2	167,714	2		2		2		2		2	
1/4	119,822	1/4	131,909	1/4	143,982	1/4	156,001	1/4	167,941	1/4		1/4		1/4		1/4		1/4	
1/2	120,074	1/2	132,160	1/2	144,232	1/2	156,251	1/2	168,168	1/2		1/2		1/2		1/2		1/2	
3/4	120,326	3/4	132,412	3/4	144,483	3/4	156,502	3/4	168,395	3/4		3/4		3/4		3/4		3/4	
3	120,578	3	132,664	3	144,733	3	156,752	3	168,622	3		3		3		3		3	
1/4	120,830	1/4	132,916	1/4	144,984	1/4	157,003	1/4	168,808	1/4		1/4		1/4		1/4		1/4	
1/2	121,081	1/2	133,168	1/2	145,234	1/2	157,253	1/2	168,993	1/2		1/2		1/2		1/2		1/2	
3/4	121,333	3/4	133,419	3/4	145,484	3/4	157,503	3/4	169,178	3/4		3/4		3/4		3/4		3/4	
4	121,585	4	133,671	4	145,735	4	157,754	4	169,363	4		4		4		4		4	
1/4	121,837	1/4	133,923	1/4	145,985	1/4	158,004	1/4	169,506	1/4		1/4		1/4		1/4		1/4	
1/2	122,089	1/2	134,175	1/2	146,236	1/2	158,255	1/2	169,649	1/2		1/2		1/2		1/2		1/2	
3/4	122,340	3/4	134,426	3/4	146,486	3/4	158,505	3/4	169,792	3/4		3/4		3/4		3/4		3/4	
5	122,592	5	134,678	5	146,736	5	158,755	5	169,936	5		5		5		5		5	
1/4	122,844	1/4	134,930	1/4	146,987	1/4	159,006	1/4	170,037	1/4		1/4		1/4		1/4		1/4	
1/2	123,096	1/2	135,182	1/2	147,237	1/2	159,256	1/2	170,138	1/2		1/2		1/2		1/2		1/2	
3/4	123,348	3/4	135,434	3/4	147,488	3/4	159,507	3/4	170,239	3/4		3/4		3/4		3/4		3/4	
6	123,599	6	135,685	6	147,738	6	159,757	6	170,340	6		6		6		6		6	
1/4	123,851	1/4	135,937	1/4	147,988	1/4	160,007	1/4	170,399	1/4		1/4		1/4		1/4		1/4	
1/2	124,103	1/2	136,189	1/2	148,239	1/2	160,258	1/2	170,459	1/2		1/2		1/2		1/2		1/2	
3/4	124,355	3/4	136,441	3/4	148,489	3/4	160,508	3/4	170,518	3/4		3/4		3/4		3/4		3/4	
7	124,606	7	136,693	7	148,740	7	160,759	7	170,577	7		7		7		7		7	
1/4	124,858	1/4	136,944	1/4	148,990	1/4	161,009	1/4	170,594	1/4		1/4		1/4		1/4		1/4	
1/2	125,110	1/2	137,196	1/2	149,240	1/2	161,259	1/2	170,611	1/2		1/2		1/2		1/2		1/2	
3/4	125,362	3/4	137,448	3/4	149,491	3/4	161,510	3/4	170,629	3/4		3/4		3/4		3/4		3/4	
8	125,614	8	137,700	8	149,741	8	161,760	8	170,646	8		8		8		8		8	
1/4	125,865	1/4	137,952	1/4	149,992	1/4	162,008	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	126,117	1/2	138,203	1/2	150,242	1/2	162,256	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	126,369	3/4	138,455	3/4	150,492	3/4	162,504	3/4		3/4		3/4		3/4		3/4		3/4	
9	126,621	9	138,707	9	150,743	9	162,752	9		9		9		9		9		9	
1/4	126,873	1/4	138,959	1/4	150,993	1/4	163,001	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	127,124	1/2	139,211	1/2	151,244	1/2	163,249	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	127,376	3/4	139,462	3/4	151,494	3/4	163,497	3/4		3/4		3/4		3/4		3/4		3/4	
10	127,628	10	139,714	10	151,744	10	163,745	10		10		10		10		10		10	
1/4	127,880	1/4	139,966	1/4	151,995	1/4	163,993	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	128,132	1/2	140,218	1/2	152,245	1/2	164,241	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	128,383	3/4	140,470	3/4	152,496	3/4	164,489	3/4		3/4		3/4		3/4		3/4		3/4	
11	128,635	11	140,721	11	152,746	11	164,737	11		11		11		11		11		11	
1/4	128,887	1/4	140,973	1/4	152,996	1/4	164,985	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	129,139	1/2	141,225	1/2	153,247	1/2	165,233	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	129,391	3/4	141,477	3/4	153,497	3/4	165,481	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/24/2017 SW
CALCULATED: 10/24/2017 CL
PRINTED: 10/24/2017 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2017

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



BARGE "CBC 1397"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09 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	39	0	8,048	0	18,777	0	29,493	0	40,211	0	50,942	0	61,672	0	72,402	0	83,132	0	93,860
1/4	58	1/4	8,271	1/4	19,001	1/4	29,716	1/4	40,435	1/4	51,165	1/4	61,895	1/4	72,625	1/4	83,356	1/4	94,084
1/2	77	1/2	8,495	1/2	19,224	1/2	29,938	1/2	40,659	1/2	51,389	1/2	62,119	1/2	72,849	1/2	83,579	1/2	94,307
3/4	95	3/4	8,718	3/4	19,448	3/4	30,161	3/4	40,882	3/4	51,612	3/4	62,342	3/4	73,073	3/4	83,803	3/4	94,531
1	114	1	8,942	1	19,671	1	30,384	1	41,106	1	51,836	1	62,566	1	73,296	1	84,026	1	94,754
1/4	170	1/4	9,165	1/4	19,895	1/4	30,607	1/4	41,329	1/4	52,059	1/4	62,789	1/4	73,520	1/4	84,250	1/4	94,978
1/2	226	1/2	9,389	1/2	20,118	1/2	30,830	1/2	41,553	1/2	52,283	1/2	63,013	1/2	73,743	1/2	84,473	1/2	95,201
3/4	281	3/4	9,612	3/4	20,342	3/4	31,053	3/4	41,776	3/4	52,506	3/4	63,237	3/4	73,967	3/4	84,697	3/4	95,425
2	337	2	9,836	2	20,566	2	31,275	2	42,000	2	52,730	2	63,460	2	74,190	2	84,920	2	95,648
1/4	430	1/4	10,059	1/4	20,789	1/4	31,498	1/4	42,223	1/4	52,954	1/4	63,684	1/4	74,414	1/4	85,144	1/4	95,872
1/2	524	1/2	10,283	1/2	21,013	1/2	31,721	1/2	42,447	1/2	53,177	1/2	63,907	1/2	74,637	1/2	85,367	1/2	96,096
3/4	617	3/4	10,506	3/4	21,236	3/4	31,944	3/4	42,670	3/4	53,401	3/4	64,131	3/4	74,861	3/4	85,591	3/4	96,319
3	710	3	10,730	3	21,460	3	32,167	3	42,894	3	53,624	3	64,354	3	75,084	3	85,814	3	96,543
1/4	840	1/4	10,953	1/4	21,683	1/4	32,390	1/4	43,118	1/4	53,848	1/4	64,578	1/4	75,308	1/4	86,038	1/4	96,766
1/2	971	1/2	11,177	1/2	21,907	1/2	32,612	1/2	43,341	1/2	54,071	1/2	64,801	1/2	75,532	1/2	86,261	1/2	96,990
3/4	1,101	3/4	11,401	3/4	22,130	3/4	32,835	3/4	43,565	3/4	54,295	3/4	65,025	3/4	75,755	3/4	86,485	3/4	97,213
4	1,231	4	11,624	4	22,354	4	33,058	4	43,788	4	54,518	4	65,248	4	75,979	4	86,708	4	97,437
1/4	1,399	1/4	11,848	1/4	22,577	1/4	33,282	1/4	44,012	1/4	54,742	1/4	65,472	1/4	76,202	1/4	86,932	1/4	97,660
1/2	1,567	1/2	12,071	1/2	22,801	1/2	33,505	1/2	44,235	1/2	54,965	1/2	65,696	1/2	76,426	1/2	87,155	1/2	97,884
3/4	1,734	3/4	12,295	3/4	23,024	3/4	33,729	3/4	44,459	3/4	55,189	3/4	65,919	3/4	76,649	3/4	87,379	3/4	98,107
5	1,902	5	12,518	5	23,248	5	33,952	5	44,682	5	55,413	5	66,143	5	76,873	5	87,602	5	98,331
1/4	2,106	1/4	12,742	1/4	23,471	1/4	34,176	1/4	44,906	1/4	55,636	1/4	66,366	1/4	77,096	1/4	87,826	1/4	98,554
1/2	2,311	1/2	12,965	1/2	23,695	1/2	34,399	1/2	45,129	1/2	55,860	1/2	66,590	1/2	77,320	1/2	88,049	1/2	98,778
3/4	2,515	3/4	13,189	3/4	23,919	3/4	34,623	3/4	45,353	3/4	56,083	3/4	66,813	3/4	77,543	3/4	88,273	3/4	99,001
6	2,719	6	13,412	6	24,142	6	34,846	6	45,577	6	56,307	6	67,037	6	77,767	6	88,496	6	99,225
1/4	2,938	1/4	13,636	1/4	24,365	1/4	35,070	1/4	45,800	1/4	56,530	1/4	67,260	1/4	77,991	1/4	88,720	1/4	99,448
1/2	3,157	1/2	13,859	1/2	24,588	1/2	35,293	1/2	46,024	1/2	56,754	1/2	67,484	1/2	78,214	1/2	88,943	1/2	99,672
3/4	3,377	3/4	14,083	3/4	24,812	3/4	35,517	3/4	46,247	3/4	56,977	3/4	67,707	3/4	78,438	3/4	89,167	3/4	99,895
7	3,596	7	14,307	7	25,035	7	35,741	7	46,471	7	57,201	7	67,931	7	78,661	7	89,390	7	100,119
1/4	3,817	1/4	14,530	1/4	25,258	1/4	35,964	1/4	46,694	1/4	57,424	1/4	68,155	1/4	78,885	1/4	89,614	1/4	100,342
1/2	4,038	1/2	14,754	1/2	25,481	1/2	36,188	1/2	46,918	1/2	57,648	1/2	68,378	1/2	79,108	1/2	89,837	1/2	100,566
3/4	4,259	3/4	14,977	3/4	25,704	3/4	36,411	3/4	47,141	3/4	57,872	3/4	68,602	3/4	79,332	3/4	90,061	3/4	100,789
8	4,480	8	15,201	8	25,928	8	36,635	8	47,365	8	58,095	8	68,825	8	79,555	8	90,284	8	101,013
1/4	4,702	1/4	15,424	1/4	26,150	1/4	36,858	1/4	47,588	1/4	58,319	1/4	69,049	1/4	79,779	1/4	90,508	1/4	101,236
1/2	4,924	1/2	15,648	1/2	26,373	1/2	37,082	1/2	47,812	1/2	58,542	1/2	69,272	1/2	80,002	1/2	90,731	1/2	101,460
3/4	5,146	3/4	15,871	3/4	26,596	3/4	37,305	3/4	48,036	3/4	58,766	3/4	69,496	3/4	80,226	3/4	90,955	3/4	101,683
9	5,368	9	16,095	9	26,819	9	37,529	9	48,259	9	58,989	9	69,719	9	80,450	9	91,178	9	101,907
1/4	5,591	1/4	16,318	1/4	27,042	1/4	37,752	1/4	48,483	1/4	59,213	1/4	69,943	1/4	80,673	1/4	91,402	1/4	102,130
1/2	5,814	1/2	16,542	1/2	27,265	1/2	37,976	1/2	48,706	1/2	59,436	1/2	70,166	1/2	80,897	1/2	91,625	1/2	102,354
3/4	6,037	3/4	16,765	3/4	27,487	3/4	38,200	3/4	48,930	3/4	59,660	3/4	70,390	3/4	81,120	3/4	91,849	3/4	102,577
10	6,260	10	16,989	10	27,710	10	38,423	10	49,153	10	59,883	10	70,614	10	81,344	10	92,072	10	102,801
1/4	6,483	1/4	17,212	1/4	27,933	1/4	38,647	1/4	49,377	1/4	60,107	1/4	70,837	1/4	81,567	1/4	92,296	1/4	103,024
1/2	6,707	1/2	17,436	1/2	28,156	1/2	38,870	1/2	49,600	1/2	60,331	1/2	71,061	1/2	81,791	1/2	92,519	1/2	103,248
3/4	6,930	3/4	17,660	3/4	28,379	3/4	39,094	3/4	49,824	3/4	60,554	3/4	71,284	3/4	82,014	3/4	92,743	3/4	103,471
11	7,153	11	17,883	11	28,601	11	39,317	11	50,047	11	60,778	11	71,508	11	82,238	11	92,966	11	103,695
1/4	7,377	1/4	18,107	1/4	28,824	1/4	39,541	1/4	50,271	1/4	61,001	1/4	71,731	1/4	82,461	1/4	93,190	1/4	103,918
1/2	7,600	1/2	18,330	1/2	29,047	1/2	39,764	1/2	50,495	1/2	61,225	1/2	71,955	1/2	82,685	1/2	93,413	1/2	104,142
3/4	7,824	3/4	18,554	3/4	29,270	3/4	39,988	3/4	50,718	3/4	61,448	3/4	72,178	3/4	82,909	3/4	93,637	3/4	104,365

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 INNAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE
 GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 23'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
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BARGE "CBC 1397"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09 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	104,589	0	115,317	0	126,045	0	136,715	0	147,352	0		0		0		0		0	
1/4	104,812	1/4	115,541	1/4	126,268	1/4	136,937	1/4	147,572	1/4		1/4		1/4		1/4		1/4	
1/2	105,036	1/2	115,764	1/2	126,490	1/2	137,160	1/2	147,792	1/2		1/2		1/2		1/2		1/2	
3/4	105,259	3/4	115,988	3/4	126,712	3/4	137,382	3/4	148,012	3/4		3/4		3/4		3/4		3/4	
1	105,483	1	116,211	1	126,935	1	137,604	1	148,233	1		1		1		1		1	
1/4	105,706	1/4	116,435	1/4	127,157	1/4	137,826	1/4	148,453	1/4		1/4		1/4		1/4		1/4	
1/2	105,930	1/2	116,658	1/2	127,379	1/2	138,049	1/2	148,673	1/2		1/2		1/2		1/2		1/2	
3/4	106,153	3/4	116,882	3/4	127,601	3/4	138,271	3/4	148,893	3/4		3/4		3/4		3/4		3/4	
2	106,377	2	117,105	2	127,824	2	138,493	2	149,113	2		2		2		2		2	
1/4	106,600	1/4	117,329	1/4	128,046	1/4	138,716	1/4	149,315	1/4		1/4		1/4		1/4		1/4	
1/2	106,824	1/2	117,552	1/2	128,268	1/2	138,938	1/2	149,517	1/2		1/2		1/2		1/2		1/2	
3/4	107,047	3/4	117,776	3/4	128,491	3/4	139,160	3/4	149,718	3/4		3/4		3/4		3/4		3/4	
3	107,271	3	117,999	3	128,713	3	139,382	3	149,920	3		3		3		3		3	
1/4	107,494	1/4	118,223	1/4	128,935	1/4	139,605	1/4	150,084	1/4		1/4		1/4		1/4		1/4	
1/2	107,718	1/2	118,446	1/2	129,157	1/2	139,827	1/2	150,249	1/2		1/2		1/2		1/2		1/2	
3/4	107,941	3/4	118,670	3/4	129,380	3/4	140,049	3/4	150,413	3/4		3/4		3/4		3/4		3/4	
4	108,165	4	118,893	4	129,602	4	140,272	4	150,577	4		4		4		4		4	
1/4	108,388	1/4	119,117	1/4	129,824	1/4	140,494	1/4	150,704	1/4		1/4		1/4		1/4		1/4	
1/2	108,612	1/2	119,340	1/2	130,047	1/2	140,716	1/2	150,831	1/2		1/2		1/2		1/2		1/2	
3/4	108,835	3/4	119,564	3/4	130,269	3/4	140,938	3/4	150,958	3/4		3/4		3/4		3/4		3/4	
5	109,059	5	119,787	5	130,491	5	141,161	5	151,086	5		5		5		5		5	
1/4	109,282	1/4	120,011	1/4	130,713	1/4	141,383	1/4	151,175	1/4		1/4		1/4		1/4		1/4	
1/2	109,506	1/2	120,234	1/2	130,936	1/2	141,605	1/2	151,265	1/2		1/2		1/2		1/2		1/2	
3/4	109,729	3/4	120,458	3/4	131,158	3/4	141,827	3/4	151,355	3/4		3/4		3/4		3/4		3/4	
6	109,953	6	120,681	6	131,380	6	142,050	6	151,445	6		6		6		6		6	
1/4	110,176	1/4	120,905	1/4	131,603	1/4	142,272	1/4	151,497	1/4		1/4		1/4		1/4		1/4	
1/2	110,400	1/2	121,128	1/2	131,825	1/2	142,494	1/2	151,550	1/2		1/2		1/2		1/2		1/2	
3/4	110,623	3/4	121,352	3/4	132,047	3/4	142,717	3/4	151,603	3/4		3/4		3/4		3/4		3/4	
7	110,847	7	121,575	7	132,269	7	142,939	7	151,655	7		7		7		7		7	
1/4	111,070	1/4	121,799	1/4	132,492	1/4	143,161	1/4	151,670	1/4		1/4		1/4		1/4		1/4	
1/2	111,294	1/2	122,022	1/2	132,714	1/2	143,383	1/2	151,686	1/2		1/2		1/2		1/2		1/2	
3/4	111,518	3/4	122,246	3/4	132,936	3/4	143,606	3/4	151,701	3/4		3/4		3/4		3/4		3/4	
8	111,741	8	122,469	8	133,158	8	143,828	8	151,716	8		8		8		8		8	
1/4	111,965	1/4	122,693	1/4	133,381	1/4	144,048	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	112,188	1/2	122,916	1/2	133,603	1/2	144,268	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	112,412	3/4	123,140	3/4	133,825	3/4	144,489	3/4		3/4		3/4		3/4		3/4		3/4	
9	112,635	9	123,363	9	134,048	9	144,709	9		9		9		9		9		9	
1/4	112,859	1/4	123,587	1/4	134,270	1/4	144,929	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	113,082	1/2	123,810	1/2	134,492	1/2	145,149	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	113,306	3/4	124,034	3/4	134,714	3/4	145,370	3/4		3/4		3/4		3/4		3/4		3/4	
10	113,529	10	124,257	10	134,937	10	145,590	10		10		10		10		10		10	
1/4	113,753	1/4	124,481	1/4	135,159	1/4	145,810	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	113,976	1/2	124,704	1/2	135,381	1/2	146,030	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	114,200	3/4	124,928	3/4	135,604	3/4	146,251	3/4		3/4		3/4		3/4		3/4		3/4	
11	114,423	11	125,151	11	135,826	11	146,471	11		11		11		11		11		11	
1/4	114,647	1/4	125,375	1/4	136,048	1/4	146,691	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	114,870	1/2	125,598	1/2	136,270	1/2	146,911	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	115,094	3/4	125,822	3/4	136,493	3/4	147,131	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/24/2017 SW
CALCULATED: 10/24/2017 CL
PRINTED: 10/24/2017 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2017

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "CBC 1397"

ULLAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 4'-00"
 DIFF. = 2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 CENTER IS - 00-1/2"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED ULLAGE IS 3'-11 1/2"

LENGTH BETWEEN DRAFT MARKS: 161'-09"

October 24, 2017

**PRECISION MEASUREMENT
& ANALYSIS, INC.**
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 Pearland, Texas 77588

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BARGE "CBC 1397"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 3/4"

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		0		0		0	140,561	0	131,142	0	121,709	0	112,252	0	101,796	0	91,032	0	80,267
1/4		1/4		1/4		1/4	140,367	1/4	130,946	1/4	121,512	1/4	112,055	1/4	101,571	1/4	90,807	1/4	80,043
1/2		1/2		1/2		1/2	140,172	1/2	130,751	1/2	121,315	1/2	111,859	1/2	101,347	1/2	90,583	1/2	79,819
3/4		3/4		3/4		3/4	147,279	3/4	139,978	3/4	121,118	3/4	111,662	3/4	101,123	3/4	90,359	3/4	79,595
1		1		1		1	147,263	1	139,781	1	130,359	1	111,465	1	100,899	1	90,135	1	79,370
1/4		1/4		1/4		1/4	147,247	1/4	139,585	1/4	130,163	1/4	111,268	1/4	100,674	1/4	89,910	1/4	79,146
1/2		1/2		1/2		1/2	147,230	1/2	139,388	1/2	129,967	1/2	111,071	1/2	100,450	1/2	89,686	1/2	78,922
3/4		3/4		3/4		3/4	147,214	3/4	139,192	3/4	129,771	3/4	110,874	3/4	100,226	3/4	89,462	3/4	78,697
2		2		2		2	147,161	2	138,995	2	129,576	2	110,677	2	100,002	2	89,238	2	78,473
1/4		1/4		1/4		1/4	147,107	1/4	138,799	1/4	129,380	1/4	110,481	1/4	99,777	1/4	89,013	1/4	78,249
1/2		1/2		1/2		1/2	147,054	1/2	138,602	1/2	129,184	1/2	110,284	1/2	99,553	1/2	88,789	1/2	78,025
3/4		3/4		3/4		3/4	147,000	3/4	138,405	3/4	128,988	3/4	110,087	3/4	99,329	3/4	88,565	3/4	77,800
3		3		3		3	146,909	3	138,209	3	128,791	3	109,863	3	99,105	3	88,341	3	77,576
1/4		1/4		1/4		1/4	146,818	1/4	138,012	1/4	128,595	1/4	109,639	1/4	98,880	1/4	88,116	1/4	77,352
1/2		1/2		1/2		1/2	146,727	1/2	137,816	1/2	128,398	1/2	109,415	1/2	98,656	1/2	87,892	1/2	77,127
3/4		3/4		3/4		3/4	146,636	3/4	137,619	3/4	128,202	3/4	109,191	3/4	98,432	3/4	87,668	3/4	76,903
4		4		4		4	146,508	4	137,423	4	128,005	4	108,967	4	98,208	4	87,444	4	76,680
1/4		1/4		1/4		1/4	146,379	1/4	137,226	1/4	127,809	1/4	108,743	1/4	97,983	1/4	87,219	1/4	76,456
1/2		1/2		1/2		1/2	146,251	1/2	137,030	1/2	127,612	1/2	108,519	1/2	97,759	1/2	86,995	1/2	76,233
3/4		3/4		3/4		3/4	146,122	3/4	136,833	3/4	127,416	3/4	108,295	3/4	97,535	3/4	86,771	3/4	76,009
5		5		5		5	145,957	5	136,637	5	127,219	5	108,071	5	97,311	5	86,547	5	75,786
1/4		1/4		1/4		1/4	145,791	1/4	136,440	1/4	127,023	1/4	107,847	1/4	97,086	1/4	86,322	1/4	75,563
1/2		1/2		1/2		1/2	145,625	1/2	136,243	1/2	126,826	1/2	107,623	1/2	96,862	1/2	86,098	1/2	75,341
3/4		3/4		3/4		3/4	145,459	3/4	136,047	3/4	126,629	3/4	107,399	3/4	96,638	3/4	85,874	3/4	75,118
6		6		6		6	145,255	6	135,850	6	126,433	6	107,175	6	96,414	6	85,650	6	74,895
1/4		1/4		1/4		1/4	145,052	1/4	135,654	1/4	126,236	1/4	106,951	1/4	96,189	1/4	85,425	1/4	74,672
1/2		1/2		1/2		1/2	144,849	1/2	135,457	1/2	126,040	1/2	106,727	1/2	95,965	1/2	85,201	1/2	74,449
3/4		3/4		3/4		3/4	144,645	3/4	135,261	3/4	125,843	3/4	106,503	3/4	95,741	3/4	84,977	3/4	74,226
7		7		7		7	144,451	7	135,064	7	125,647	7	106,279	7	95,517	7	84,753	7	74,004
1/4		1/4		1/4		1/4	144,256	1/4	134,868	1/4	125,450	1/4	106,055	1/4	95,292	1/4	84,529	1/4	73,781
1/2		1/2		1/2		1/2	144,062	1/2	134,671	1/2	125,254	1/2	105,831	1/2	95,068	1/2	84,304	1/2	73,558
3/4		3/4		3/4		3/4	143,867	3/4	134,475	3/4	125,057	3/4	105,600	3/4	94,844	3/4	84,080	3/4	73,335
8		8		8		8	143,673	8	134,278	8	124,860	8	105,403	8	94,620	8	83,856	8	73,112
1/4		1/4		1/4		1/4	143,478	1/4	134,081	1/4	124,664	1/4	105,206	1/4	94,395	1/4	83,632	1/4	72,889
1/2		1/2		1/2		1/2	143,284	1/2	133,885	1/2	124,467	1/2	105,008	1/2	94,171	1/2	83,407	1/2	72,667
3/4		3/4		3/4		3/4	143,089	3/4	133,688	3/4	124,271	3/4	104,711	3/4	93,947	3/4	83,183	3/4	72,444
9		9		9		9	142,895	9	133,492	9	124,074	9	104,615	9	93,723	9	82,959	9	72,221
1/4		1/4		1/4		1/4	142,701	1/4	133,297	1/4	123,877	1/4	104,418	1/4	93,498	1/4	82,734	1/4	71,998
1/2		1/2		1/2		1/2	142,506	1/2	133,101	1/2	123,680	1/2	104,221	1/2	93,274	1/2	82,510	1/2	71,775
3/4		3/4		3/4		3/4	142,312	3/4	132,905	3/4	123,483	3/4	104,024	3/4	93,050	3/4	82,286	3/4	71,552
10		10		10		10	142,117	10	132,709	10	123,285	10	103,827	10	92,826	10	82,062	10	71,330
1/4		1/4		1/4		1/4	141,923	1/4	132,513	1/4	123,088	1/4	103,630	1/4	92,601	1/4	81,837	1/4	71,107
1/2		1/2		1/2		1/2	141,728	1/2	132,317	1/2	122,891	1/2	103,433	1/2	92,377	1/2	81,613	1/2	70,884
3/4		3/4		3/4		3/4	141,534	3/4	132,122	3/4	122,694	3/4	103,237	3/4	92,153	3/4	81,389	3/4	70,661
11		11		11		11	141,339	11	131,926	11	122,497	11	103,040	11	92,000	11	81,164	11	70,438
1/4		1/4		1/4		1/4	141,145	1/4	131,730	1/4	122,300	1/4	102,843	1/4	91,704	1/4	80,940	1/4	70,215
1/2		1/2		1/2		1/2	140,950	1/2	131,534	1/2	122,103	1/2	102,646	1/2	91,480	1/2	80,716	1/2	69,993
3/4		3/4		3/4		3/4	140,756	3/4	131,338	3/4	121,906	3/4	102,449	3/4	91,256	3/4	80,492	3/4	69,770

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 THREADS ON "MMC" VALVE
 GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 29'-09" FORWARD OF AFT BULKHEAD

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



BARGE "CBC 1397"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 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	69,546	0	58,792	0	48,032	0	37,271	0	26,679	0	15,958	0	5,174	0		0			
1/4	69,323	1/4	58,568	1/4	47,807	1/4	37,047	1/4	26,461	1/4	15,733	1/4	4,951	1/4		1/4			1/4
1/2	69,099	1/2	58,344	1/2	47,583	1/2	36,823	1/2	26,242	1/2	15,508	1/2	4,727	1/2		1/2			1/2
3/4	68,875	3/4	58,120	3/4	47,359	3/4	36,598	3/4	26,024	3/4	15,283	3/4	4,504	3/4		3/4			3/4
1	68,652	1	57,895	1	47,135	1	36,374	1	25,805	1	15,059	1	4,282	1		1			1
1/4	68,428	1/4	57,671	1/4	46,911	1/4	36,150	1/4	25,586	1/4	14,834	1/4	4,059	1/4		1/4			1/4
1/2	68,205	1/2	57,447	1/2	46,686	1/2	35,926	1/2	25,368	1/2	14,609	1/2	3,837	1/2		1/2			1/2
3/4	67,981	3/4	57,223	3/4	46,462	3/4	35,702	3/4	25,149	3/4	14,384	3/4	3,615	3/4		3/4			3/4
2	67,757	2	56,999	2	46,238	2	35,477	2	24,930	2	14,160	2	3,395	2		2			2
1/4	67,534	1/4	56,774	1/4	46,014	1/4	35,253	1/4	24,711	1/4	13,935	1/4	3,174	1/4		1/4			1/4
1/2	67,310	1/2	56,550	1/2	45,790	1/2	35,029	1/2	24,493	1/2	13,710	1/2	2,954	1/2		1/2			1/2
3/4	67,087	3/4	56,326	3/4	45,566	3/4	34,805	3/4	24,274	3/4	13,485	3/4	2,734	3/4		3/4			3/4
3	66,863	3	56,102	3	45,341	3	34,581	3	24,049	3	13,261	3	2,528	3		3			3
1/4	66,638	1/4	55,878	1/4	45,117	1/4	34,357	1/4	23,824	1/4	13,036	1/4	2,323	1/4		1/4			1/4
1/2	66,414	1/2	55,654	1/2	44,893	1/2	34,132	1/2	23,599	1/2	12,811	1/2	2,117	1/2		1/2			1/2
3/4	66,190	3/4	55,429	3/4	44,669	3/4	33,908	3/4	23,375	3/4	12,586	3/4	1,912	3/4		3/4			3/4
4	65,966	4	55,205	4	44,445	4	33,684	4	23,150	4	12,361	4	1,743	4		4			4
1/4	65,742	1/4	54,981	1/4	44,220	1/4	33,460	1/4	22,925	1/4	12,137	1/4	1,575	1/4		1/4			1/4
1/2	65,517	1/2	54,757	1/2	43,996	1/2	33,236	1/2	22,700	1/2	11,912	1/2	1,406	1/2		1/2			1/2
3/4	65,293	3/4	54,533	3/4	43,772	3/4	33,012	3/4	22,476	3/4	11,687	3/4	1,238	3/4		3/4			3/4
5	65,069	5	54,309	5	43,548	5	32,793	5	22,251	5	11,462	5	1,107	5		5			5
1/4	64,845	1/4	54,084	1/4	43,324	1/4	32,575	1/4	22,026	1/4	11,238	1/4	976	1/4		1/4			1/4
1/2	64,621	1/2	53,860	1/2	43,100	1/2	32,356	1/2	21,801	1/2	11,013	1/2	845	1/2		1/2			1/2
3/4	64,397	3/4	53,636	3/4	42,875	3/4	32,138	3/4	21,577	3/4	10,788	3/4	714	3/4		3/4			3/4
6	64,172	6	53,412	6	42,651	6	31,920	6	21,352	6	10,563	6	620	6		6			6
1/4	63,948	1/4	53,188	1/4	42,427	1/4	31,701	1/4	21,127	1/4	10,339	1/4	526	1/4		1/4			1/4
1/2	63,724	1/2	52,963	1/2	42,203	1/2	31,483	1/2	20,902	1/2	10,114	1/2	433	1/2		1/2			1/2
3/4	63,500	3/4	52,739	3/4	41,979	3/4	31,265	3/4	20,678	3/4	9,889	3/4	339	3/4		3/4			3/4
7	63,276	7	52,515	7	41,754	7	31,046	7	20,453	7	9,664	7	283	7		7			7
1/4	63,051	1/4	52,291	1/4	41,530	1/4	30,828	1/4	20,228	1/4	9,440	1/4	227	1/4		1/4			1/4
1/2	62,827	1/2	52,067	1/2	41,306	1/2	30,609	1/2	20,003	1/2	9,215	1/2	170	1/2		1/2			1/2
3/4	62,603	3/4	51,843	3/4	41,082	3/4	30,391	3/4	19,779	3/4	8,990	3/4	114	3/4		3/4			3/4
8	62,379	8	51,618	8	40,858	8	30,173	8	19,554	8	8,765	8	96	8		8			8
1/4	62,155	1/4	51,394	1/4	40,634	1/4	29,954	1/4	19,329	1/4	8,541	1/4	77	1/4		1/4			1/4
1/2	61,931	1/2	51,170	1/2	40,409	1/2	29,736	1/2	19,104	1/2	8,316	1/2	58	1/2		1/2			1/2
3/4	61,706	3/4	50,946	3/4	40,185	3/4	29,518	3/4	18,880	3/4	8,091	3/4	39	3/4		3/4			3/4
9	61,482	9	50,722	9	39,961	9	29,299	9	18,655	9	7,866	9		9		9			9
1/4	61,258	1/4	50,497	1/4	39,737	1/4	29,081	1/4	18,430	1/4	7,642	1/4		1/4		1/4			1/4
1/2	61,034	1/2	50,273	1/2	39,513	1/2	28,863	1/2	18,205	1/2	7,417	1/2		1/2		1/2			1/2
3/4	60,810	3/4	50,049	3/4	39,289	3/4	28,644	3/4	17,980	3/4	7,192	3/4		3/4		3/4			3/4
10	60,586	10	49,825	10	39,064	10	28,426	10	17,756	10	6,968	10		10		10			10
1/4	60,361	1/4	49,601	1/4	38,840	1/4	28,207	1/4	17,531	1/4	6,743	1/4		1/4		1/4			1/4
1/2	60,137	1/2	49,377	1/2	38,616	1/2	27,989	1/2	17,306	1/2	6,518	1/2		1/2		1/2			1/2
3/4	59,913	3/4	49,152	3/4	38,392	3/4	27,771	3/4	17,081	3/4	6,294	3/4		3/4		3/4			3/4
11	59,689	11	48,928	11	38,168	11	27,552	11	16,857	11	6,070	11		11		11			11
1/4	59,465	1/4	48,704	1/4	37,943	1/4	27,334	1/4	16,632	1/4	5,846	1/4		1/4		1/4			1/4
1/2	59,240	1/2	48,480	1/2	37,719	1/2	27,116	1/2	16,407	1/2	5,621	1/2		1/2		1/2			1/2
3/4	59,016	3/4	48,256	3/4	37,495	3/4	26,897	3/4	16,182	3/4	5,397	3/4		3/4		3/4			3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/24/2017 SW
CALCULATED: 10/24/2017 CL
PRINTED: 10/24/2017 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2017

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



BARGE "CBC 1397"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	0	0	162,752	0	150,743	0	138,707	0	126,621	0	114,535	0	102,449	0	90,362
1/4		1/4		1/4		1/4	162,504	1/4	150,492	1/4	138,455	1/4	126,369	1/4	114,283	1/4	102,197	1/4	90,110
1/2		1/2		1/2		1/2	162,256	1/2	150,242	1/2	138,203	1/2	126,117	1/2	114,031	1/2	101,945	1/2	89,858
3/4		3/4		3/4		3/4	162,008	3/4	149,992	3/4	137,952	3/4	125,865	3/4	113,779	3/4	101,693	3/4	89,606
1	1	1	1	1	170,646	1	161,760	1	149,741	1	137,700	1	125,614	1	113,528	1	101,441	1	89,355
1/4		1/4		1/4	170,629	1/4	161,510	1/4	149,491	1/4	137,448	1/4	125,362	1/4	113,276	1/4	101,190	1/4	89,103
1/2		1/2		1/2	170,611	1/2	161,259	1/2	149,240	1/2	137,196	1/2	125,110	1/2	113,024	1/2	100,938	1/2	88,851
3/4		3/4		3/4	170,594	3/4	161,009	3/4	148,990	3/4	136,944	3/4	124,858	3/4	112,772	3/4	100,686	3/4	88,599
2	2	2	2	2	170,577	2	160,759	2	148,740	2	136,693	2	124,606	2	112,520	2	100,434	2	88,347
1/4		1/4		1/4	170,518	1/4	160,508	1/4	148,489	1/4	136,441	1/4	124,355	1/4	112,269	1/4	100,182	1/4	88,095
1/2		1/2		1/2	170,459	1/2	160,258	1/2	148,239	1/2	136,189	1/2	124,103	1/2	112,017	1/2	99,931	1/2	87,843
3/4		3/4		3/4	170,399	3/4	160,007	3/4	147,988	3/4	135,937	3/4	123,851	3/4	111,765	3/4	99,679	3/4	87,592
3	3	3	3	3	170,340	3	159,757	3	147,738	3	135,685	3	123,599	3	111,513	3	99,427	3	87,340
1/4		1/4		1/4	170,239	1/4	159,507	1/4	147,488	1/4	135,434	1/4	123,348	1/4	111,261	1/4	99,175	1/4	87,088
1/2		1/2		1/2	170,138	1/2	159,256	1/2	147,237	1/2	135,182	1/2	123,096	1/2	111,010	1/2	98,923	1/2	86,836
3/4		3/4		3/4	170,037	3/4	159,006	3/4	146,987	3/4	134,930	3/4	122,844	3/4	110,758	3/4	98,672	3/4	86,584
4	4	4	4	4	169,936	4	158,755	4	146,736	4	134,678	4	122,592	4	110,506	4	98,420	4	86,332
1/4		1/4		1/4	169,792	1/4	158,505	1/4	146,486	1/4	134,426	1/4	122,340	1/4	110,254	1/4	98,168	1/4	86,081
1/2		1/2		1/2	169,649	1/2	158,255	1/2	146,236	1/2	134,175	1/2	122,089	1/2	110,002	1/2	97,916	1/2	85,829
3/4		3/4		3/4	169,506	3/4	158,004	3/4	145,985	3/4	133,923	3/4	121,837	3/4	109,751	3/4	97,664	3/4	85,577
5	5	5	5	5	169,363	5	157,754	5	145,735	5	133,671	5	121,585	5	109,499	5	97,413	5	85,325
1/4		1/4		1/4	169,178	1/4	157,503	1/4	145,484	1/4	133,419	1/4	121,333	1/4	109,247	1/4	97,161	1/4	85,073
1/2		1/2		1/2	168,993	1/2	157,253	1/2	145,234	1/2	133,168	1/2	121,081	1/2	108,995	1/2	96,909	1/2	84,821
3/4		3/4		3/4	168,808	3/4	157,003	3/4	144,984	3/4	132,916	3/4	120,830	3/4	108,743	3/4	96,657	3/4	84,570
6	6	6	6	6	168,622	6	156,752	6	144,733	6	132,664	6	120,578	6	108,492	6	96,405	6	84,318
1/4		1/4		1/4	168,395	1/4	156,502	1/4	144,483	1/4	132,412	1/4	120,326	1/4	108,240	1/4	96,154	1/4	84,066
1/2		1/2		1/2	168,168	1/2	156,251	1/2	144,232	1/2	132,160	1/2	120,074	1/2	107,988	1/2	95,902	1/2	83,814
3/4		3/4		3/4	167,941	3/4	156,001	3/4	143,982	3/4	131,909	3/4	119,822	3/4	107,736	3/4	95,650	3/4	83,562
7	7	7	7	7	167,714	7	155,751	7	143,732	7	131,657	7	119,571	7	107,484	7	95,398	7	83,310
1/4		1/4		1/4	167,466	1/4	155,500	1/4	143,481	1/4	131,405	1/4	119,319	1/4	107,233	1/4	95,146	1/4	83,059
1/2		1/2		1/2	167,218	1/2	155,250	1/2	143,231	1/2	131,153	1/2	119,067	1/2	106,981	1/2	94,895	1/2	82,807
3/4		3/4		3/4	166,970	3/4	154,999	3/4	142,980	3/4	130,901	3/4	118,815	3/4	106,729	3/4	94,643	3/4	82,555
8	8	8	8	8	166,722	8	154,749	8	142,730	8	130,650	8	118,563	8	106,477	8	94,391	8	82,303
1/4		1/4		1/4	166,474	1/4	154,499	1/4	142,480	1/4	130,398	1/4	118,312	1/4	106,225	1/4	94,139	1/4	82,051
1/2		1/2		1/2	166,226	1/2	154,248	1/2	142,229	1/2	130,146	1/2	118,060	1/2	105,974	1/2	93,888	1/2	81,799
3/4		3/4		3/4	165,977	3/4	153,998	3/4	141,979	3/4	129,894	3/4	117,808	3/4	105,722	3/4	93,636	3/4	81,548
9	9	9	9	9	165,729	9	153,747	9	141,729	9	129,642	9	117,556	9	105,470	9	93,384	9	81,296
1/4		1/4		1/4	165,481	1/4	153,497	1/4	141,477	1/4	129,391	1/4	117,304	1/4	105,218	1/4	93,132	1/4	81,044
1/2		1/2		1/2	165,233	1/2	153,247	1/2	141,225	1/2	129,139	1/2	117,053	1/2	104,966	1/2	92,880	1/2	80,792
3/4		3/4		3/4	164,985	3/4	152,996	3/4	140,973	3/4	128,887	3/4	116,801	3/4	104,715	3/4	92,628	3/4	80,540
10	10	10	10	10	164,737	10	152,746	10	140,721	10	128,635	10	116,549	10	104,463	10	92,377	10	80,288
1/4		1/4		1/4	164,489	1/4	152,496	1/4	140,470	1/4	128,383	1/4	116,297	1/4	104,211	1/4	92,125	1/4	80,036
1/2		1/2		1/2	164,241	1/2	152,245	1/2	140,218	1/2	128,132	1/2	116,045	1/2	103,959	1/2	91,873	1/2	79,785
3/4		3/4		3/4	163,993	3/4	151,995	3/4	139,966	3/4	127,880	3/4	115,794	3/4	103,708	3/4	91,621	3/4	79,533
11	11	11	11	11	163,745	11	151,744	11	139,714	11	127,628	11	115,542	11	103,456	11	91,369	11	79,281
1/4		1/4		1/4	163,497	1/4	151,494	1/4	139,462	1/4	127,376	1/4	115,290	1/4	103,204	1/4	91,117	1/4	79,029
1/2		1/2		1/2	163,249	1/2	151,244	1/2	139,211	1/2	127,124	1/2	115,038	1/2	102,952	1/2	90,866	1/2	78,777
3/4		3/4		3/4	163,001	3/4	150,993	3/4	138,959	3/4	126,873	3/4	114,786	3/4	102,700	3/4	90,614	3/4	78,525

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 THREADS ON "MMC" VALVE
 GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 29'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588
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BARGE "CBC 1397"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09"

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	78,274	0	66,185	0	54,097	0	42,009	0	30,157	0	18,127	0	6,043	0		0			
1/4	78,022	1/4	65,934	1/4	53,845	1/4	41,757	1/4	29,912	1/4	17,875	1/4	5,793	1/4		1/4			1/4
1/2	77,770	1/2	65,682	1/2	53,593	1/2	41,505	1/2	29,668	1/2	17,623	1/2	5,542	1/2		1/2			1/2
3/4	77,518	3/4	65,430	3/4	53,342	3/4	41,253	3/4	29,424	3/4	17,371	3/4	5,292	3/4		3/4			3/4
1	77,266	1	65,178	1	53,090	1	41,002	1	29,179	1	17,120	1	5,042	1		1			1
1/4	77,014	1/4	64,926	1/4	52,838	1/4	40,750	1/4	28,934	1/4	16,868	1/4	4,793	1/4		1/4			1/4
1/2	76,763	1/2	64,674	1/2	52,586	1/2	40,498	1/2	28,690	1/2	16,616	1/2	4,544	1/2		1/2			1/2
3/4	76,511	3/4	64,423	3/4	52,334	3/4	40,246	3/4	28,445	3/4	16,364	3/4	4,295	3/4		3/4			3/4
2	76,259	2	64,171	2	52,082	2	39,994	2	28,200	2	16,112	2	4,046	2		2			2
1/4	76,007	1/4	63,919	1/4	51,831	1/4	39,742	1/4	27,948	1/4	15,861	1/4	3,799	1/4		1/4			1/4
1/2	75,755	1/2	63,667	1/2	51,579	1/2	39,491	1/2	27,696	1/2	15,609	1/2	3,552	1/2		1/2			1/2
3/4	75,503	3/4	63,415	3/4	51,327	3/4	39,239	3/4	27,445	3/4	15,357	3/4	3,305	3/4		3/4			3/4
3	75,252	3	63,163	3	51,075	3	38,987	3	27,193	3	15,105	3	3,059	3		3			3
1/4	75,000	1/4	62,912	1/4	50,823	1/4	38,735	1/4	26,941	1/4	14,853	1/4	2,828	1/4		1/4			1/4
1/2	74,748	1/2	62,660	1/2	50,571	1/2	38,483	1/2	26,689	1/2	14,601	1/2	2,598	1/2		1/2			1/2
3/4	74,496	3/4	62,408	3/4	50,320	3/4	38,231	3/4	26,437	3/4	14,350	3/4	2,368	3/4		3/4			3/4
4	74,244	4	62,156	4	50,068	4	37,980	4	26,185	4	14,098	4	2,138	4		4			4
1/4	73,992	1/4	61,904	1/4	49,816	1/4	37,735	1/4	25,934	1/4	13,846	1/4	1,949	1/4		1/4			1/4
1/2	73,741	1/2	61,652	1/2	49,564	1/2	37,490	1/2	25,682	1/2	13,594	1/2	1,760	1/2		1/2			1/2
3/4	73,489	3/4	61,400	3/4	49,312	3/4	37,245	3/4	25,430	3/4	13,342	3/4	1,571	3/4		3/4			3/4
5	73,237	5	61,149	5	49,060	5	37,000	5	25,178	5	13,090	5	1,382	5		5			5
1/4	72,985	1/4	60,897	1/4	48,809	1/4	36,756	1/4	24,926	1/4	12,839	1/4	1,235	1/4		1/4			1/4
1/2	72,733	1/2	60,645	1/2	48,557	1/2	36,512	1/2	24,675	1/2	12,587	1/2	1,089	1/2		1/2			1/2
3/4	72,481	3/4	60,393	3/4	48,305	3/4	36,267	3/4	24,423	3/4	12,335	3/4	942	3/4		3/4			3/4
6	72,230	6	60,141	6	48,053	6	36,023	6	24,171	6	12,083	6	795	6		6			6
1/4	71,978	1/4	59,889	1/4	47,801	1/4	35,778	1/4	23,919	1/4	11,831	1/4	690	1/4		1/4			1/4
1/2	71,726	1/2	59,638	1/2	47,549	1/2	35,534	1/2	23,667	1/2	11,579	1/2	585	1/2		1/2			1/2
3/4	71,474	3/4	59,386	3/4	47,298	3/4	35,290	3/4	23,415	3/4	11,328	3/4	480	3/4		3/4			3/4
7	71,222	7	59,134	7	47,046	7	35,045	7	23,164	7	11,076	7	375	7		7			7
1/4	70,970	1/4	58,882	1/4	46,794	1/4	34,801	1/4	22,912	1/4	10,824	1/4	312	1/4		1/4			1/4
1/2	70,718	1/2	58,630	1/2	46,542	1/2	34,556	1/2	22,660	1/2	10,572	1/2	249	1/2		1/2			1/2
3/4	70,467	3/4	58,378	3/4	46,290	3/4	34,312	3/4	22,408	3/4	10,320	3/4	186	3/4		3/4			3/4
8	70,215	8	58,127	8	46,038	8	34,067	8	22,156	8	10,068	8	123	8		8			8
1/4	69,963	1/4	57,875	1/4	45,787	1/4	33,823	1/4	21,904	1/4	9,817	1/4	102	1/4		1/4			1/4
1/2	69,711	1/2	57,623	1/2	45,535	1/2	33,579	1/2	21,653	1/2	9,565	1/2	81	1/2		1/2			1/2
3/4	69,459	3/4	57,371	3/4	45,283	3/4	33,334	3/4	21,401	3/4	9,313	3/4	60	3/4		3/4			3/4
9	69,207	9	57,119	9	45,031	9	33,090	9	21,149	9	9,061	9	39	9		9			9
1/4	68,956	1/4	56,867	1/4	44,779	1/4	32,845	1/4	20,897	1/4	8,809	1/4		1/4		1/4			1/4
1/2	68,704	1/2	56,616	1/2	44,527	1/2	32,601	1/2	20,645	1/2	8,558	1/2		1/2		1/2			1/2
3/4	68,452	3/4	56,364	3/4	44,275	3/4	32,357	3/4	20,393	3/4	8,306	3/4		3/4		3/4			3/4
10	68,200	10	56,112	10	44,024	10	32,112	10	20,142	10	8,054	10		10		10			10
1/4	67,948	1/4	55,860	1/4	43,772	1/4	31,868	1/4	19,890	1/4	7,802	1/4		1/4		1/4			1/4
1/2	67,696	1/2	55,608	1/2	43,520	1/2	31,623	1/2	19,638	1/2	7,551	1/2		1/2		1/2			1/2
3/4	67,445	3/4	55,356	3/4	43,268	3/4	31,379	3/4	19,386	3/4	7,299	3/4		3/4		3/4			3/4
11	67,193	11	55,105	11	43,016	11	31,135	11	19,134	11	7,047	11		11		11			11
1/4	66,941	1/4	54,853	1/4	42,764	1/4	30,890	1/4	18,882	1/4	6,796	1/4		1/4		1/4			1/4
1/2	66,689	1/2	54,601	1/2	42,513	1/2	30,646	1/2	18,631	1/2	6,545	1/2		1/2		1/2			1/2
3/4	66,437	3/4	54,349	3/4	42,261	3/4	30,401	3/4	18,379	3/4	6,294	3/4		3/4		3/4			3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/24/2017 SW
CALCULATED: 10/24/2017 CL
PRINTED: 10/24/2017 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2017

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



BARGE "CBC 1397"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09 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		0		0		0	144,929	0	134,270	0	123,587	0	112,859	0	102,130	0	91,402	0	80,673
1/4		1/4		1/4		1/4	144,709	1/4	134,048	1/4	123,363	1/4	112,635	1/4	101,907	1/4	91,178	1/4	80,450
1/2		1/2		1/2		1/2	144,489	1/2	133,825	1/2	123,140	1/2	112,412	1/2	101,683	1/2	90,955	1/2	80,226
3/4		3/4		3/4		3/4	144,268	3/4	133,603	3/4	122,916	3/4	112,188	3/4	101,460	3/4	90,731	3/4	80,002
1		1		1		1	144,048	1	133,381	1	122,693	1	111,965	1	101,236	1	90,508	1	79,779
1/4		1/4		1/4		1/4	151,716	1/4	143,828	1/4	133,158	1/4	122,469	1/4	101,013	1/4	90,284	1/4	79,555
1/2		1/2		1/2		1/2	151,701	1/2	143,606	1/2	132,936	1/2	122,246	1/2	100,789	1/2	90,061	1/2	79,332
3/4		3/4		3/4		3/4	151,686	3/4	143,383	3/4	132,714	3/4	122,022	3/4	100,566	3/4	89,837	3/4	79,108
2		2		2		2	151,670	2	143,161	2	132,492	2	121,799	2	100,342	2	89,614	2	78,885
1/4		1/4		1/4		1/4	151,655	1/4	142,939	1/4	132,269	1/4	121,575	1/4	100,119	1/4	89,390	1/4	78,661
1/2		1/2		1/2		1/2	151,603	1/2	142,717	1/2	132,047	1/2	121,352	1/2	99,895	1/2	89,167	1/2	78,438
3/4		3/4		3/4		3/4	151,550	3/4	142,494	3/4	131,825	3/4	121,128	3/4	99,672	3/4	88,943	3/4	78,214
3		3		3		3	151,497	3	142,272	3	131,603	3	120,905	3	99,448	3	88,720	3	77,991
1/4		1/4		1/4		1/4	151,445	1/4	142,050	1/4	131,380	1/4	120,681	1/4	99,225	1/4	88,496	1/4	77,767
1/2		1/2		1/2		1/2	151,355	1/2	141,827	1/2	131,158	1/2	120,458	1/2	99,001	1/2	88,273	1/2	77,543
3/4		3/4		3/4		3/4	151,265	3/4	141,605	3/4	130,936	3/4	120,234	3/4	98,778	3/4	88,049	3/4	77,320
4		4		4		4	151,175	4	141,383	4	130,713	4	120,011	4	98,554	4	87,826	4	77,096
1/4		1/4		1/4		1/4	151,086	1/4	141,161	1/4	130,491	1/4	119,787	1/4	98,331	1/4	87,602	1/4	76,873
1/2		1/2		1/2		1/2	150,958	1/2	140,938	1/2	130,269	1/2	119,564	1/2	98,107	1/2	87,379	1/2	76,649
3/4		3/4		3/4		3/4	150,831	3/4	140,716	3/4	130,047	3/4	119,340	3/4	97,884	3/4	87,155	3/4	76,426
5		5		5		5	150,704	5	140,494	5	129,824	5	119,117	5	97,660	5	86,932	5	76,202
1/4		1/4		1/4		1/4	150,577	1/4	140,272	1/4	129,602	1/4	118,893	1/4	97,437	1/4	86,708	1/4	75,979
1/2		1/2		1/2		1/2	150,413	1/2	140,049	1/2	129,380	1/2	118,670	1/2	97,213	1/2	86,485	1/2	75,755
3/4		3/4		3/4		3/4	150,249	3/4	139,827	3/4	129,157	3/4	118,446	3/4	96,990	3/4	86,261	3/4	75,532
6		6		6		6	150,084	6	139,605	6	128,935	6	118,223	6	96,766	6	86,038	6	75,308
1/4		1/4		1/4		1/4	149,920	1/4	139,382	1/4	128,713	1/4	117,999	1/4	96,543	1/4	85,814	1/4	75,084
1/2		1/2		1/2		1/2	149,718	1/2	139,160	1/2	128,491	1/2	117,776	1/2	96,319	1/2	85,591	1/2	74,861
3/4		3/4		3/4		3/4	149,517	3/4	138,938	3/4	128,268	3/4	117,552	3/4	96,096	3/4	85,367	3/4	74,637
7		7		7		7	149,315	7	138,716	7	128,046	7	117,329	7	95,872	7	85,144	7	74,414
1/4		1/4		1/4		1/4	149,113	1/4	138,493	1/4	127,824	1/4	117,105	1/4	95,648	1/4	84,920	1/4	74,190
1/2		1/2		1/2		1/2	148,893	1/2	138,271	1/2	127,601	1/2	116,882	1/2	95,425	1/2	84,697	1/2	73,967
3/4		3/4		3/4		3/4	148,673	3/4	138,049	3/4	127,379	3/4	116,658	3/4	95,201	3/4	84,473	3/4	73,743
8		8		8		8	148,453	8	137,826	8	127,157	8	116,435	8	94,978	8	84,250	8	73,520
1/4		1/4		1/4		1/4	148,233	1/4	137,604	1/4	126,935	1/4	116,211	1/4	94,754	1/4	84,026	1/4	73,296
1/2		1/2		1/2		1/2	148,012	1/2	137,382	1/2	126,712	1/2	115,988	1/2	94,531	1/2	83,803	1/2	73,073
3/4		3/4		3/4		3/4	147,792	3/4	137,160	3/4	126,490	3/4	115,764	3/4	94,307	3/4	83,579	3/4	72,849
9		9		9		9	147,572	9	136,937	9	126,268	9	115,541	9	94,084	9	83,356	9	72,625
1/4		1/4		1/4		1/4	147,352	1/4	136,715	1/4	126,045	1/4	115,317	1/4	93,860	1/4	83,132	1/4	72,402
1/2		1/2		1/2		1/2	147,131	1/2	136,493	1/2	125,822	1/2	115,094	1/2	93,637	1/2	82,909	1/2	72,178
3/4		3/4		3/4		3/4	146,911	3/4	136,270	3/4	125,598	3/4	114,870	3/4	93,413	3/4	82,685	3/4	71,955
10		10		10		10	146,691	10	136,048	10	125,375	10	114,647	10	93,190	10	82,461	10	71,731
1/4		1/4		1/4		1/4	146,471	1/4	135,826	1/4	125,151	1/4	114,423	1/4	92,966	1/4	82,238	1/4	71,508
1/2		1/2		1/2		1/2	146,251	1/2	135,604	1/2	124,928	1/2	114,200	1/2	92,743	1/2	82,014	1/2	71,284
3/4		3/4		3/4		3/4	146,030	3/4	135,381	3/4	124,704	3/4	113,976	3/4	92,519	3/4	81,791	3/4	71,061
11		11		11		11	145,810	11	135,159	11	124,481	11	113,753	11	92,296	11	81,567	11	70,837
1/4		1/4		1/4		1/4	145,590	1/4	134,937	1/4	124,257	1/4	113,529	1/4	92,072	1/4	81,344	1/4	70,614
1/2		1/2		1/2		1/2	145,370	1/2	134,714	1/2	124,034	1/2	113,306	1/2	91,849	1/2	81,120	1/2	70,390
3/4		3/4		3/4		3/4	145,149	3/4	134,492	3/4	123,810	3/4	113,082	3/4	91,625	3/4	80,897	3/4	70,166

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 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 THREADS ON "MMC" VALVE
 GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 23'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "CBC 1397"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09 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	69,943	0	59,213	0	48,483	0	37,752	0	27,042	0	16,318	0	5,591	0		0			0
1/4	69,719	1/4	58,989	1/4	48,259	1/4	37,529	1/4	26,819	1/4	16,095	1/4	5,368	1/4		1/4			1/4
1/2	69,496	1/2	58,766	1/2	48,036	1/2	37,305	1/2	26,596	1/2	15,871	1/2	5,146	1/2		1/2			1/2
3/4	69,272	3/4	58,542	3/4	47,812	3/4	37,082	3/4	26,373	3/4	15,648	3/4	4,924	3/4		3/4			3/4
1	69,049	1	58,319	1	47,588	1	36,858	1	26,150	1	15,424	1	4,702	1		1			1
1/4	68,825	1/4	58,095	1/4	47,365	1/4	36,635	1/4	25,928	1/4	15,201	1/4	4,480	1/4		1/4			1/4
1/2	68,602	1/2	57,872	1/2	47,141	1/2	36,411	1/2	25,704	1/2	14,977	1/2	4,259	1/2		1/2			1/2
3/4	68,378	3/4	57,648	3/4	46,918	3/4	36,188	3/4	25,481	3/4	14,754	3/4	4,038	3/4		3/4			3/4
2	68,155	2	57,424	2	46,694	2	35,964	2	25,258	2	14,530	2	3,817	2		2			2
1/4	67,931	1/4	57,201	1/4	46,471	1/4	35,741	1/4	25,035	1/4	14,307	1/4	3,596	1/4		1/4			1/4
1/2	67,707	1/2	56,977	1/2	46,247	1/2	35,517	1/2	24,812	1/2	14,083	1/2	3,377	1/2		1/2			1/2
3/4	67,484	3/4	56,754	3/4	46,024	3/4	35,293	3/4	24,588	3/4	13,859	3/4	3,157	3/4		3/4			3/4
3	67,260	3	56,530	3	45,800	3	35,070	3	24,365	3	13,636	3	2,938	3		3			3
1/4	67,037	1/4	56,307	1/4	45,577	1/4	34,846	1/4	24,142	1/4	13,412	1/4	2,719	1/4		1/4			1/4
1/2	66,813	1/2	56,083	1/2	45,353	1/2	34,623	1/2	23,919	1/2	13,189	1/2	2,515	1/2		1/2			1/2
3/4	66,590	3/4	55,860	3/4	45,129	3/4	34,399	3/4	23,695	3/4	12,965	3/4	2,311	3/4		3/4			3/4
4	66,366	4	55,636	4	44,906	4	34,176	4	23,471	4	12,742	4	2,106	4		4			4
1/4	66,143	1/4	55,413	1/4	44,682	1/4	33,952	1/4	23,248	1/4	12,518	1/4	1,902	1/4		1/4			1/4
1/2	65,919	1/2	55,189	1/2	44,459	1/2	33,729	1/2	23,024	1/2	12,295	1/2	1,734	1/2		1/2			1/2
3/4	65,696	3/4	54,965	3/4	44,235	3/4	33,505	3/4	22,801	3/4	12,071	3/4	1,567	3/4		3/4			3/4
5	65,472	5	54,742	5	44,012	5	33,282	5	22,577	5	11,848	5	1,399	5		5			5
1/4	65,248	1/4	54,518	1/4	43,788	1/4	33,058	1/4	22,354	1/4	11,624	1/4	1,231	1/4		1/4			1/4
1/2	65,025	1/2	54,295	1/2	43,565	1/2	32,835	1/2	22,130	1/2	11,401	1/2	1,101	1/2		1/2			1/2
3/4	64,801	3/4	54,071	3/4	43,341	3/4	32,612	3/4	21,907	3/4	11,177	3/4	971	3/4		3/4			3/4
6	64,578	6	53,848	6	43,118	6	32,390	6	21,683	6	10,953	6	840	6		6			6
1/4	64,354	1/4	53,624	1/4	42,894	1/4	32,167	1/4	21,460	1/4	10,730	1/4	710	1/4		1/4			1/4
1/2	64,131	1/2	53,401	1/2	42,670	1/2	31,944	1/2	21,236	1/2	10,506	1/2	617	1/2		1/2			1/2
3/4	63,907	3/4	53,177	3/4	42,447	3/4	31,721	3/4	21,013	3/4	10,283	3/4	524	3/4		3/4			3/4
7	63,684	7	52,954	7	42,223	7	31,498	7	20,789	7	10,059	7	430	7		7			7
1/4	63,460	1/4	52,730	1/4	42,000	1/4	31,275	1/4	20,566	1/4	9,836	1/4	337	1/4		1/4			1/4
1/2	63,237	1/2	52,506	1/2	41,776	1/2	31,053	1/2	20,342	1/2	9,612	1/2	281	1/2		1/2			1/2
3/4	63,013	3/4	52,283	3/4	41,553	3/4	30,830	3/4	20,118	3/4	9,389	3/4	226	3/4		3/4			3/4
8	62,789	8	52,059	8	41,329	8	30,607	8	19,895	8	9,165	8	170	8		8			8
1/4	62,566	1/4	51,836	1/4	41,106	1/4	30,384	1/4	19,671	1/4	8,942	1/4	114	1/4		1/4			1/4
1/2	62,342	1/2	51,612	1/2	40,882	1/2	30,161	1/2	19,448	1/2	8,718	1/2	95	1/2		1/2			1/2
3/4	62,119	3/4	51,389	3/4	40,659	3/4	29,938	3/4	19,224	3/4	8,495	3/4	77	3/4		3/4			3/4
9	61,895	9	51,165	9	40,435	9	29,716	9	19,001	9	8,271	9	58	9		9			9
1/4	61,672	1/4	50,942	1/4	40,211	1/4	29,493	1/4	18,777	1/4	8,048	1/4	39	1/4		1/4			1/4
1/2	61,448	1/2	50,718	1/2	39,988	1/2	29,270	1/2	18,554	1/2	7,824	1/2		1/2		1/2			1/2
3/4	61,225	3/4	50,495	3/4	39,764	3/4	29,047	3/4	18,330	3/4	7,600	3/4		3/4		3/4			3/4
10	61,001	10	50,271	10	39,541	10	28,824	10	18,107	10	7,377	10		10		10			10
1/4	60,778	1/4	50,047	1/4	39,317	1/4	28,601	1/4	17,883	1/4	7,153	1/4		1/4		1/4			1/4
1/2	60,554	1/2	49,824	1/2	39,094	1/2	28,379	1/2	17,660	1/2	6,930	1/2		1/2		1/2			1/2
3/4	60,331	3/4	49,600	3/4	38,870	3/4	28,156	3/4	17,436	3/4	6,707	3/4		3/4		3/4			3/4
11	60,107	11	49,377	11	38,647	11	27,933	11	17,212	11	6,483	11		11		11			11
1/4	59,883	1/4	49,153	1/4	38,423	1/4	27,710	1/4	16,989	1/4	6,260	1/4		1/4		1/4			1/4
1/2	59,660	1/2	48,930	1/2	38,200	1/2	27,487	1/2	16,765	1/2	6,037	1/2		1/2		1/2			1/2
3/4	59,436	3/4	48,706	3/4	37,976	3/4	27,265	3/4	16,542	3/4	5,814	3/4		3/4		3/4			3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/24/2017 SW
CALCULATED: 10/24/2017 CL
PRINTED: 10/24/2017 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2017

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