



BARGE "CBC 1396"

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"

September 22, 2017

PRECISION MEASUREMENT
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BARGE "CBC 1396"

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	18,879	0	29,518	0	40,185	0	50,946	0	61,706	0	72,443	0	83,183	0	93,946
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	61,930	1/4	72,666	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	40,633	1/2	51,394	1/2	62,154	1/2	72,889	1/2	83,631	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	83,855	3/4	94,619
1	114	1	8,990	1	19,778	1	30,391	1	41,082	1	51,842	1	62,603	1	73,335	1	84,080	1	94,843
1/4	170	1/4	9,215	1/4	20,003	1/4	30,609	1/4	41,306	1/4	52,066	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	73,780	1/2	84,528	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	63,275	3/4	74,003	3/4	84,752	3/4	95,516
2	339	2	9,889	2	20,678	2	31,264	2	41,978	2	52,739	2	63,500	2	74,226	2	84,977	2	95,740
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	53,187	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	85,649	3/4	96,413
3	714	3	10,788	3	21,577	3	32,138	3	42,875	3	53,636	3	64,396	3	75,117	3	85,874	3	96,637
1/4	845	1/4	11,013	1/4	21,801	1/4	32,356	1/4	43,099	1/4	53,860	1/4	64,620	1/4	75,340	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	54,308	3/4	65,069	3/4	75,786	3/4	86,546	3/4	97,310
4	1,238	4	11,687	4	22,476	4	33,011	4	43,772	4	54,532	4	65,293	4	76,009	4	86,771	4	97,534
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	76,232	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	65,741	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	44,444	3/4	55,205	3/4	65,965	3/4	76,679	3/4	87,443	3/4	98,207
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	98,431
1/4	2,117	1/4	12,811	1/4	23,599	1/4	34,132	1/4	44,893	1/4	55,653	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	34,356	1/2	45,117	1/2	55,877	1/2	66,638	1/2	77,351	1/2	88,116	1/2	98,880
3/4	2,528	3/4	13,260	3/4	24,049	3/4	34,581	3/4	45,341	3/4	56,102	3/4	66,862	3/4	77,576	3/4	88,340	3/4	99,104
6	2,734	6	13,485	6	24,274	6	34,805	6	45,565	6	56,326	6	67,086	6	77,800	6	88,565	6	99,328
1/4	2,954	1/4	13,710	1/4	24,492	1/4	35,029	1/4	45,789	1/4	56,550	1/4	67,310	1/4	78,024	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	78,248	1/2	89,013	1/2	99,777
3/4	3,394	3/4	14,159	3/4	24,930	3/4	35,477	3/4	46,238	3/4	56,998	3/4	67,757	3/4	78,473	3/4	89,237	3/4	100,001
7	3,615	7	14,384	7	25,149	7	35,701	7	46,462	7	57,223	7	67,981	7	78,697	7	89,462	7	100,225
1/4	3,837	1/4	14,609	1/4	25,367	1/4	35,926	1/4	46,686	1/4	57,447	1/4	68,204	1/4	78,921	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	46,910	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	68,651	3/4	79,370	3/4	90,134	3/4	100,898
8	4,504	8	15,283	8	26,024	8	36,598	8	47,359	8	58,119	8	68,875	8	79,594	8	90,358	8	101,122
1/4	4,727	1/4	15,508	1/4	26,242	1/4	36,822	1/4	47,583	1/4	58,343	1/4	69,099	1/4	79,818	1/4	90,583	1/4	101,347
1/2	4,951	1/2	15,733	1/2	26,460	1/2	37,047	1/2	47,807	1/2	58,568	1/2	69,322	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	48,031	3/4	58,792	3/4	69,546	3/4	80,267	3/4	91,031	3/4	101,795
9	5,397	9	16,182	9	26,897	9	37,495	9	48,255	9	59,016	9	69,769	9	80,491	9	91,255	9	102,019
1/4	5,621	1/4	16,407	1/4	27,115	1/4	37,719	1/4	48,480	1/4	59,240	1/4	69,992	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	59,464	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	38,167	3/4	48,928	3/4	59,688	3/4	70,438	3/4	81,164	3/4	91,928	3/4	102,692
10	6,294	10	17,081	10	27,771	10	38,392	10	49,152	10	59,913	10	70,661	10	81,388	10	92,152	10	102,916
1/4	6,518	1/4	17,306	1/4	27,989	1/4	38,616	1/4	49,376	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	71,106	1/2	81,837	1/2	92,601	1/2	103,365
3/4	6,967	3/4	17,756	3/4	28,426	3/4	39,064	3/4	49,825	3/4	60,585	3/4	71,329	3/4	82,061	3/4	92,825	3/4	103,589
11	7,192	11	17,980	11	28,644	11	39,288	11	50,049	11	60,809	11	71,552	11	82,285	11	93,049	11	103,813
1/4	7,417	1/4	18,205	1/4	28,862	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	50,721	3/4	61,482	3/4	72,221	3/4	82,958	3/4	93,722	3/4	104,486

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.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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BARGE "CBC 1396"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	104,710	0	114,811	0	124,270	0	133,688	0	143,089	0		0		0		0		0	
1/4	104,934	1/4	115,008	1/4	124,467	1/4	133,884	1/4	143,283	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	105,158	1/2	115,205	1/2	124,663	1/2	134,081	1/2	143,478	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	105,382	3/4	115,402	3/4	124,860	3/4	134,277	3/4	143,672	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	105,606	1	115,599	1	125,056	1	134,474	1	143,867	1	1	1	1	1	1	1	1	1	1
1/4	105,830	1/4	115,796	1/4	125,253	1/4	134,670	1/4	144,061	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	106,054	1/2	115,993	1/2	125,449	1/2	134,867	1/2	144,256	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	106,278	3/4	116,190	3/4	125,646	3/4	135,063	3/4	144,450	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	106,502	2	116,387	2	125,843	2	135,260	2	144,645	2	2	2	2	2	2	2	2	2	2
1/4	106,726	1/4	116,584	1/4	126,039	1/4	135,457	1/4	144,848	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	106,950	1/2	116,781	1/2	126,236	1/2	135,653	1/2	145,051	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	107,174	3/4	116,979	3/4	126,432	3/4	135,850	3/4	145,255	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	107,398	3	117,176	3	126,629	3	136,046	3	145,458	3	3	3	3	3	3	3	3	3	3
1/4	107,622	1/4	117,373	1/4	126,825	1/4	136,243	1/4	145,624	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	107,846	1/2	117,570	1/2	127,022	1/2	136,439	1/2	145,790	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	108,070	3/4	117,767	3/4	127,218	3/4	136,636	3/4	145,956	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	108,294	4	117,964	4	127,415	4	136,832	4	146,122	4	4	4	4	4	4	4	4	4	4
1/4	108,518	1/4	118,161	1/4	127,612	1/4	137,029	1/4	146,250	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	108,742	1/2	118,358	1/2	127,808	1/2	137,225	1/2	146,379	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	108,966	3/4	118,555	3/4	128,005	3/4	137,422	3/4	146,507	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	109,190	5	118,752	5	128,201	5	137,619	5	146,636	5	5	5	5	5	5	5	5	5	5
1/4	109,414	1/4	118,949	1/4	128,398	1/4	137,815	1/4	146,727	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	109,638	1/2	119,146	1/2	128,594	1/2	138,012	1/2	146,818	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	109,862	3/4	119,343	3/4	128,791	3/4	138,208	3/4	146,909	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	110,086	6	119,540	6	128,987	6	138,405	6	147,000	6	6	6	6	6	6	6	6	6	6
1/4	110,283	1/4	119,738	1/4	129,183	1/4	138,601	1/4	147,053	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	110,480	1/2	119,935	1/2	129,379	1/2	138,798	1/2	147,107	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	110,677	3/4	120,132	3/4	129,575	3/4	138,994	3/4	147,160	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	110,874	7	120,329	7	129,771	7	139,191	7	147,214	7	7	7	7	7	7	7	7	7	7
1/4	111,071	1/4	120,526	1/4	129,967	1/4	139,387	1/4	147,230	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	111,267	1/2	120,723	1/2	130,162	1/2	139,584	1/2	147,246	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	111,464	3/4	120,920	3/4	130,358	3/4	139,781	3/4	147,262	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	111,661	8	121,117	8	130,554	8	139,977	8	147,278	8	8	8	8	8	8	8	8	8	8
1/4	111,858	1/4	121,314	1/4	130,750	1/4	140,172	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	112,055	1/2	121,511	1/2	130,946	1/2	140,366	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	112,252	3/4	121,708	3/4	131,142	3/4	140,561	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	112,449	9	121,905	9	131,337	9	140,755	9		9	9	9	9	9	9	9	9	9	9
1/4	112,645	1/4	122,102	1/4	131,533	1/4	140,950	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	112,842	1/2	122,299	1/2	131,729	1/2	141,144	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	113,039	3/4	122,497	3/4	131,925	3/4	141,338	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	113,236	10	122,694	10	132,121	10	141,533	10		10	10	10	10	10	10	10	10	10	10
1/4	113,433	1/4	122,891	1/4	132,317	1/4	141,727	1/4		1/4	1/4	1/4	1/4	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	141,922	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	113,826	3/4	123,285	3/4	132,708	3/4	142,116	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	114,023	11	123,482	11	132,904	11	142,311	11		11	11	11	11	11	11	11	11	11	11
1/4	114,220	1/4	123,679	1/4	133,100	1/4	142,505	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	114,417	1/2	123,876	1/2	133,296	1/2	142,700	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	114,614	3/4	124,073	3/4	133,492	3/4	142,894	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/22/2017 SW
CALCULATED: 09/22/2017 CL
PRINTED: 09/22/2017 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2017

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



BARGE "CBC 1396"

2 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	9,095	0	21,228	0	33,213	0	45,199	0	57,332	0	69,465	0	81,599	0	93,732	0	105,863
1/4	61	1/4	9,348	1/4	21,481	1/4	33,459	1/4	45,452	1/4	57,585	1/4	69,718	1/4	81,852	1/4	93,985	1/4	106,116
1/2	82	1/2	9,600	1/2	21,733	1/2	33,704	1/2	45,704	1/2	57,838	1/2	69,971	1/2	82,104	1/2	94,238	1/2	106,369
3/4	103	3/4	9,853	3/4	21,986	3/4	33,949	3/4	45,957	3/4	58,091	3/4	70,224	3/4	82,357	3/4	94,490	3/4	106,622
1	124	1	10,106	1	22,239	1	34,194	1	46,210	1	58,343	1	70,477	1	82,610	1	94,743	1	106,874
1/4	187	1/4	10,359	1/4	22,492	1/4	34,440	1/4	46,463	1/4	58,596	1/4	70,729	1/4	82,863	1/4	94,996	1/4	107,127
1/2	250	1/2	10,612	1/2	22,744	1/2	34,685	1/2	46,716	1/2	58,849	1/2	70,982	1/2	83,115	1/2	95,249	1/2	107,380
3/4	313	3/4	10,864	3/4	22,997	3/4	34,930	3/4	46,968	3/4	59,102	3/4	71,235	3/4	83,368	3/4	95,501	3/4	107,632
2	376	2	11,117	2	23,250	2	35,176	2	47,221	2	59,354	2	71,488	2	83,621	2	95,754	2	107,885
1/4	482	1/4	11,370	1/4	23,503	1/4	35,421	1/4	47,474	1/4	59,607	1/4	71,740	1/4	83,874	1/4	96,007	1/4	108,138
1/2	587	1/2	11,623	1/2	23,755	1/2	35,666	1/2	47,727	1/2	59,860	1/2	71,993	1/2	84,127	1/2	96,259	1/2	108,391
3/4	692	3/4	11,875	3/4	24,008	3/4	35,912	3/4	47,979	3/4	60,113	3/4	72,246	3/4	84,379	3/4	96,512	3/4	108,643
3	798	3	12,128	3	24,261	3	36,157	3	48,232	3	60,366	3	72,499	3	84,632	3	96,765	3	108,896
1/4	945	1/4	12,381	1/4	24,514	1/4	36,402	1/4	48,485	1/4	60,618	1/4	72,752	1/4	84,885	1/4	97,018	1/4	109,149
1/2	1,093	1/2	12,634	1/2	24,767	1/2	36,648	1/2	48,738	1/2	60,871	1/2	73,004	1/2	85,138	1/2	97,270	1/2	109,402
3/4	1,240	3/4	12,886	3/4	25,019	3/4	36,893	3/4	48,991	3/4	61,124	3/4	73,257	3/4	85,390	3/4	97,523	3/4	109,654
4	1,387	4	13,139	4	25,272	4	37,138	4	49,243	4	61,377	4	73,510	4	85,643	4	97,776	4	109,907
1/4	1,577	1/4	13,392	1/4	25,525	1/4	37,384	1/4	49,496	1/4	61,629	1/4	73,763	1/4	85,896	1/4	98,029	1/4	110,160
1/2	1,767	1/2	13,645	1/2	25,778	1/2	37,630	1/2	49,749	1/2	61,882	1/2	74,015	1/2	86,149	1/2	98,281	1/2	110,413
3/4	1,956	3/4	13,897	3/4	26,030	3/4	37,875	3/4	50,002	3/4	62,135	3/4	74,268	3/4	86,402	3/4	98,534	3/4	110,665
5	2,146	5	14,150	5	26,283	5	38,121	5	50,254	5	62,388	5	74,521	5	86,654	5	98,787	5	110,918
1/4	2,377	1/4	14,403	1/4	26,536	1/4	38,374	1/4	50,507	1/4	62,641	1/4	74,774	1/4	86,907	1/4	99,040	1/4	111,171
1/2	2,608	1/2	14,656	1/2	26,789	1/2	38,627	1/2	50,760	1/2	62,893	1/2	75,027	1/2	87,160	1/2	99,292	1/2	111,423
3/4	2,839	3/4	14,909	3/4	27,041	3/4	38,879	3/4	51,013	3/4	63,146	3/4	75,279	3/4	87,413	3/4	99,545	3/4	111,676
6	3,070	6	15,161	6	27,294	6	39,132	6	51,266	6	63,399	6	75,532	6	87,665	6	99,798	6	111,929
1/4	3,318	1/4	15,414	1/4	27,547	1/4	39,385	1/4	51,518	1/4	63,652	1/4	75,785	1/4	87,918	1/4	100,050	1/4	112,182
1/2	3,565	1/2	15,667	1/2	27,800	1/2	39,638	1/2	51,771	1/2	63,904	1/2	76,038	1/2	88,171	1/2	100,303	1/2	112,434
3/4	3,813	3/4	15,920	3/4	28,053	3/4	39,891	3/4	52,024	3/4	64,157	3/4	76,290	3/4	88,424	3/4	100,556	3/4	112,687
7	4,061	7	16,172	7	28,305	7	40,143	7	52,277	7	64,410	7	76,543	7	88,677	7	100,809	7	112,940
1/4	4,311	1/4	16,425	1/4	28,551	1/4	40,396	1/4	52,529	1/4	64,663	1/4	76,796	1/4	88,929	1/4	101,061	1/4	113,193
1/2	4,561	1/2	16,678	1/2	28,797	1/2	40,649	1/2	52,782	1/2	64,916	1/2	77,049	1/2	89,182	1/2	101,314	1/2	113,445
3/4	4,811	3/4	16,931	3/4	29,042	3/4	40,902	3/4	53,035	3/4	65,168	3/4	77,302	3/4	89,435	3/4	101,567	3/4	113,698
8	5,061	8	17,183	8	29,288	8	41,154	8	53,288	8	65,421	8	77,554	8	89,688	8	101,820	8	113,951
1/4	5,312	1/4	17,436	1/4	29,533	1/4	41,407	1/4	53,541	1/4	65,674	1/4	77,807	1/4	89,940	1/4	102,072	1/4	114,204
1/2	5,563	1/2	17,689	1/2	29,779	1/2	41,660	1/2	53,793	1/2	65,927	1/2	78,060	1/2	90,193	1/2	102,325	1/2	114,456
3/4	5,814	3/4	17,942	3/4	30,024	3/4	41,913	3/4	54,046	3/4	66,179	3/4	78,313	3/4	90,446	3/4	102,578	3/4	114,709
9	6,066	9	18,195	9	30,269	9	42,166	9	54,299	9	66,432	9	78,565	9	90,699	9	102,831	9	114,962
1/4	6,318	1/4	18,447	1/4	30,515	1/4	42,418	1/4	54,552	1/4	66,685	1/4	78,818	1/4	90,952	1/4	103,083	1/4	115,214
1/2	6,570	1/2	18,700	1/2	30,760	1/2	42,671	1/2	54,804	1/2	66,938	1/2	79,071	1/2	91,204	1/2	103,336	1/2	115,467
3/4	6,822	3/4	18,953	3/4	31,005	3/4	42,924	3/4	55,057	3/4	67,191	3/4	79,324	3/4	91,457	3/4	103,589	3/4	115,720
10	7,074	10	19,206	10	31,251	10	43,177	10	55,310	10	67,443	10	79,577	10	91,710	10	103,841	10	115,973
1/4	7,326	1/4	19,458	1/4	31,496	1/4	43,429	1/4	55,563	1/4	67,696	1/4	79,829	1/4	91,963	1/4	104,094	1/4	116,225
1/2	7,579	1/2	19,711	1/2	31,741	1/2	43,682	1/2	55,816	1/2	67,949	1/2	80,082	1/2	92,215	1/2	104,347	1/2	116,478
3/4	7,831	3/4	19,964	3/4	31,987	3/4	43,935	3/4	56,068	3/4	68,202	3/4	80,335	3/4	92,468	3/4	104,600	3/4	116,731
11	8,084	11	20,217	11	32,232	11	44,188	11	56,321	11	68,454	11	80,588	11	92,721	11	104,852	11	116,984
1/4	8,337	1/4	20,469	1/4	32,477	1/4	44,441	1/4	56,574	1/4	68,707	1/4	80,840	1/4	92,974	1/4	105,105	1/4	117,236
1/2	8,589	1/2	20,722	1/2	32,723	1/2	44,693	1/2	56,827	1/2	68,960	1/2	81,093	1/2	93,227	1/2	105,358	1/2	117,489
3/4	8,842	3/4	20,975	3/4	32,968	3/4	44,946	3/4	57,079	3/4	69,213	3/4	81,346	3/4	93,479	3/4	105,611	3/4	117,742

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'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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BARGE "CBC 1396"

2 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	117,995	0	130,126	0	142,257	0	154,321	0	166,347	0		0		0		0		0	
1/4	118,247	1/4	130,378	1/4	142,508	1/4	154,572	1/4	166,596	1/4		1/4		1/4		1/4		1/4	
1/2	118,500	1/2	130,631	1/2	142,760	1/2	154,823	1/2	166,845	1/2		1/2		1/2		1/2		1/2	
3/4	118,753	3/4	130,884	3/4	143,011	3/4	155,075	3/4	167,094	3/4		3/4		3/4		3/4		3/4	
1	119,005	1	131,137	1	143,262	1	155,326	1	167,343	1		1		1		1		1	
1/4	119,258	1/4	131,389	1/4	143,514	1/4	155,577	1/4	167,592	1/4		1/4		1/4		1/4		1/4	
1/2	119,511	1/2	131,642	1/2	143,765	1/2	155,829	1/2	167,841	1/2		1/2		1/2		1/2		1/2	
3/4	119,764	3/4	131,895	3/4	144,016	3/4	156,080	3/4	168,090	3/4		3/4		3/4		3/4		3/4	
2	120,016	2	132,148	2	144,268	2	156,331	2	168,339	2		2		2		2		2	
1/4	120,269	1/4	132,400	1/4	144,519	1/4	156,583	1/4	168,567	1/4		1/4		1/4		1/4		1/4	
1/2	120,522	1/2	132,653	1/2	144,770	1/2	156,834	1/2	168,795	1/2		1/2		1/2		1/2		1/2	
3/4	120,775	3/4	132,906	3/4	145,022	3/4	157,085	3/4	169,023	3/4		3/4		3/4		3/4		3/4	
3	121,027	3	133,159	3	145,273	3	157,337	3	169,251	3		3		3		3		3	
1/4	121,280	1/4	133,411	1/4	145,524	1/4	157,588	1/4	169,437	1/4		1/4		1/4		1/4		1/4	
1/2	121,533	1/2	133,664	1/2	145,776	1/2	157,839	1/2	169,623	1/2		1/2		1/2		1/2		1/2	
3/4	121,786	3/4	133,917	3/4	146,027	3/4	158,091	3/4	169,809	3/4		3/4		3/4		3/4		3/4	
4	122,038	4	134,169	4	146,278	4	158,342	4	169,994	4		4		4		4		4	
1/4	122,291	1/4	134,422	1/4	146,530	1/4	158,593	1/4	170,138	1/4		1/4		1/4		1/4		1/4	
1/2	122,544	1/2	134,675	1/2	146,781	1/2	158,845	1/2	170,282	1/2		1/2		1/2		1/2		1/2	
3/4	122,796	3/4	134,928	3/4	147,032	3/4	159,096	3/4	170,425	3/4		3/4		3/4		3/4		3/4	
5	123,049	5	135,180	5	147,284	5	159,347	5	170,569	5		5		5		5		5	
1/4	123,302	1/4	135,433	1/4	147,535	1/4	159,599	1/4	170,671	1/4		1/4		1/4		1/4		1/4	
1/2	123,555	1/2	135,686	1/2	147,786	1/2	159,850	1/2	170,772	1/2		1/2		1/2		1/2		1/2	
3/4	123,807	3/4	135,939	3/4	148,038	3/4	160,101	3/4	170,874	3/4		3/4		3/4		3/4		3/4	
6	124,060	6	136,191	6	148,289	6	160,353	6	170,975	6		6		6		6		6	
1/4	124,313	1/4	136,444	1/4	148,540	1/4	160,604	1/4	171,035	1/4		1/4		1/4		1/4		1/4	
1/2	124,566	1/2	136,697	1/2	148,792	1/2	160,855	1/2	171,094	1/2		1/2		1/2		1/2		1/2	
3/4	124,818	3/4	136,950	3/4	149,043	3/4	161,107	3/4	171,154	3/4		3/4		3/4		3/4		3/4	
7	125,071	7	137,202	7	149,294	7	161,358	7	171,213	7		7		7		7		7	
1/4	125,324	1/4	137,455	1/4	149,545	1/4	161,609	1/4	171,230	1/4		1/4		1/4		1/4		1/4	
1/2	125,577	1/2	137,708	1/2	149,797	1/2	161,861	1/2	171,248	1/2		1/2		1/2		1/2		1/2	
3/4	125,829	3/4	137,960	3/4	150,048	3/4	162,112	3/4	171,265	3/4		3/4		3/4		3/4		3/4	
8	126,082	8	138,213	8	150,299	8	162,363	8	171,282	8		8		8		8		8	
1/4	126,335	1/4	138,466	1/4	150,551	1/4	162,612	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	126,587	1/2	138,719	1/2	150,802	1/2	162,861	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	126,840	3/4	138,971	3/4	151,053	3/4	163,110	3/4		3/4		3/4		3/4		3/4		3/4	
9	127,093	9	139,224	9	151,305	9	163,359	9		9		9		9		9		9	
1/4	127,346	1/4	139,477	1/4	151,556	1/4	163,608	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	127,598	1/2	139,730	1/2	151,807	1/2	163,857	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	127,851	3/4	139,982	3/4	152,059	3/4	164,106	3/4		3/4		3/4		3/4		3/4		3/4	
10	128,104	10	140,235	10	152,310	10	164,355	10		10		10		10		10		10	
1/4	128,357	1/4	140,488	1/4	152,561	1/4	164,604	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	128,609	1/2	140,741	1/2	152,813	1/2	164,853	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	128,862	3/4	140,993	3/4	153,064	3/4	165,102	3/4		3/4		3/4		3/4		3/4		3/4	
11	129,115	11	141,246	11	153,315	11	165,351	11		11		11		11		11		11	
1/4	129,368	1/4	141,499	1/4	153,567	1/4	165,600	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	129,620	1/2	141,751	1/2	153,818	1/2	165,849	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	129,873	3/4	142,004	3/4	154,069	3/4	166,098	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/22/2017 SW
CALCULATED: 09/22/2017 CL
PRINTED: 09/22/2017 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2017

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
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BARGE "CBC 1396"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	39	0	8,057	0	18,799	0	29,527	0	40,258	0	51,001	0	61,743	0	72,486	0	83,229	0	93,969
1/4	58	1/4	8,281	1/4	19,023	1/4	29,750	1/4	40,482	1/4	51,225	1/4	61,967	1/4	72,710	1/4	83,452	1/4	94,193
1/2	77	1/2	8,504	1/2	19,247	1/2	29,973	1/2	40,706	1/2	51,448	1/2	62,191	1/2	72,934	1/2	83,676	1/2	94,417
3/4	95	3/4	8,728	3/4	19,470	3/4	30,196	3/4	40,930	3/4	51,672	3/4	62,415	3/4	73,157	3/4	83,900	3/4	94,641
1	114	1	8,952	1	19,694	1	30,419	1	41,153	1	51,896	1	62,639	1	73,381	1	84,124	1	94,864
1/4	170	1/4	9,176	1/4	19,918	1/4	30,642	1/4	41,377	1/4	52,120	1/4	62,862	1/4	73,605	1/4	84,347	1/4	95,088
1/2	226	1/2	9,400	1/2	20,142	1/2	30,866	1/2	41,601	1/2	52,344	1/2	63,086	1/2	73,829	1/2	84,571	1/2	95,312
3/4	282	3/4	9,623	3/4	20,366	3/4	31,089	3/4	41,825	3/4	52,567	3/4	63,310	3/4	74,053	3/4	84,795	3/4	95,536
2	338	2	9,847	2	20,589	2	31,312	2	42,049	2	52,791	2	63,534	2	74,276	2	85,019	2	95,759
1/4	431	1/4	10,071	1/4	20,813	1/4	31,535	1/4	42,272	1/4	53,015	1/4	63,758	1/4	74,500	1/4	85,242	1/4	95,983
1/2	524	1/2	10,295	1/2	21,037	1/2	31,758	1/2	42,496	1/2	53,239	1/2	63,981	1/2	74,724	1/2	85,466	1/2	96,207
3/4	617	3/4	10,519	3/4	21,261	3/4	31,981	3/4	42,720	3/4	53,463	3/4	64,205	3/4	74,948	3/4	85,690	3/4	96,431
3	711	3	10,742	3	21,485	3	32,204	3	42,944	3	53,686	3	64,429	3	75,172	3	85,914	3	96,655
1/4	841	1/4	10,966	1/4	21,708	1/4	32,427	1/4	43,168	1/4	53,910	1/4	64,653	1/4	75,395	1/4	86,138	1/4	96,878
1/2	972	1/2	11,190	1/2	21,932	1/2	32,650	1/2	43,391	1/2	54,134	1/2	64,877	1/2	75,619	1/2	86,361	1/2	97,102
3/4	1,102	3/4	11,414	3/4	22,156	3/4	32,873	3/4	43,615	3/4	54,358	3/4	65,100	3/4	75,843	3/4	86,585	3/4	97,326
4	1,233	4	11,638	4	22,380	4	33,096	4	43,839	4	54,582	4	65,324	4	76,067	4	86,809	4	97,550
1/4	1,401	1/4	11,861	1/4	22,604	1/4	33,320	1/4	44,063	1/4	54,805	1/4	65,548	1/4	76,291	1/4	87,033	1/4	97,773
1/2	1,569	1/2	12,085	1/2	22,827	1/2	33,544	1/2	44,287	1/2	55,029	1/2	65,772	1/2	76,514	1/2	87,256	1/2	97,997
3/4	1,736	3/4	12,309	3/4	23,051	3/4	33,768	3/4	44,510	3/4	55,253	3/4	65,996	3/4	76,738	3/4	87,480	3/4	98,221
5	1,904	5	12,533	5	23,275	5	33,992	5	44,734	5	55,477	5	66,219	5	76,962	5	87,704	5	98,445
1/4	2,109	1/4	12,757	1/4	23,499	1/4	34,215	1/4	44,958	1/4	55,701	1/4	66,443	1/4	77,186	1/4	87,928	1/4	98,668
1/2	2,313	1/2	12,980	1/2	23,723	1/2	34,439	1/2	45,182	1/2	55,924	1/2	66,667	1/2	77,410	1/2	88,151	1/2	98,892
3/4	2,518	3/4	13,204	3/4	23,946	3/4	34,663	3/4	45,406	3/4	56,148	3/4	66,891	3/4	77,633	3/4	88,375	3/4	99,116
6	2,722	6	13,428	6	24,170	6	34,887	6	45,629	6	56,372	6	67,115	6	77,857	6	88,599	6	99,340
1/4	2,942	1/4	13,652	1/4	24,394	1/4	35,111	1/4	45,853	1/4	56,596	1/4	67,338	1/4	78,081	1/4	88,823	1/4	99,564
1/2	3,161	1/2	13,876	1/2	24,617	1/2	35,334	1/2	46,077	1/2	56,820	1/2	67,562	1/2	78,305	1/2	89,046	1/2	99,787
3/4	3,381	3/4	14,099	3/4	24,840	3/4	35,558	3/4	46,301	3/4	57,043	3/4	67,786	3/4	78,529	3/4	89,270	3/4	100,011
7	3,600	7	14,323	7	25,064	7	35,782	7	46,525	7	57,267	7	68,010	7	78,752	7	89,494	7	100,235
1/4	3,821	1/4	14,547	1/4	25,287	1/4	36,006	1/4	46,748	1/4	57,491	1/4	68,234	1/4	78,976	1/4	89,718	1/4	100,459
1/2	4,042	1/2	14,771	1/2	25,511	1/2	36,230	1/2	46,972	1/2	57,715	1/2	68,457	1/2	79,200	1/2	89,942	1/2	100,682
3/4	4,264	3/4	14,995	3/4	25,734	3/4	36,453	3/4	47,196	3/4	57,939	3/4	68,681	3/4	79,424	3/4	90,165	3/4	100,906
8	4,485	8	15,218	8	25,958	8	36,677	8	47,420	8	58,162	8	68,905	8	79,648	8	90,389	8	101,130
1/4	4,707	1/4	15,442	1/4	26,181	1/4	36,901	1/4	47,644	1/4	58,386	1/4	69,129	1/4	79,871	1/4	90,613	1/4	101,354
1/2	4,930	1/2	15,666	1/2	26,404	1/2	37,125	1/2	47,867	1/2	58,610	1/2	69,353	1/2	80,095	1/2	90,837	1/2	101,577
3/4	5,152	3/4	15,890	3/4	26,627	3/4	37,349	3/4	48,091	3/4	58,834	3/4	69,576	3/4	80,319	3/4	91,060	3/4	101,801
9	5,375	9	16,113	9	26,850	9	37,572	9	48,315	9	59,058	9	69,800	9	80,543	9	91,284	9	102,025
1/4	5,598	1/4	16,337	1/4	27,073	1/4	37,796	1/4	48,539	1/4	59,281	1/4	70,024	1/4	80,767	1/4	91,508	1/4	102,249
1/2	5,821	1/2	16,561	1/2	27,296	1/2	38,020	1/2	48,763	1/2	59,505	1/2	70,248	1/2	80,991	1/2	91,732	1/2	102,472
3/4	6,044	3/4	16,785	3/4	27,519	3/4	38,244	3/4	48,986	3/4	59,729	3/4	70,472	3/4	81,214	3/4	91,955	3/4	102,696
10	6,267	10	17,009	10	27,742	10	38,468	10	49,210	10	59,953	10	70,696	10	81,438	10	92,179	10	102,920
1/4	6,491	1/4	17,232	1/4	27,965	1/4	38,691	1/4	49,434	1/4	60,177	1/4	70,919	1/4	81,662	1/4	92,403	1/4	103,144
1/2	6,715	1/2	17,456	1/2	28,189	1/2	38,915	1/2	49,658	1/2	60,401	1/2	71,143	1/2	81,886	1/2	92,627	1/2	103,368
3/4	6,938	3/4	17,680	3/4	28,412	3/4	39,139	3/4	49,882	3/4	60,624	3/4	71,367	3/4	82,110	3/4	92,851	3/4	103,591
11	7,162	11	17,904	11	28,635	11	39,363	11	50,106	11	60,848	11	71,591	11	82,333	11	93,074	11	103,815
1/4	7,386	1/4	18,128	1/4	28,858	1/4	39,587	1/4	50,329	1/4	61,072	1/4	71,815	1/4	82,557	1/4	93,298	1/4	104,039
1/2	7,609	1/2	18,351	1/2	29,081	1/2	39,811	1/2	50,553	1/2	61,296	1/2	72,038	1/2	82,781	1/2	93,522	1/2	104,263
3/4	7,833	3/4	18,575	3/4	29,304	3/4	40,034	3/4	50,777	3/4	61,520	3/4	72,262	3/4	83,005	3/4	93,746	3/4	104,486

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 1396"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	104,710	0	115,451	0	126,192	0	136,874	0	147,523	0		0		0		0		0	
1/4	104,934	1/4	115,675	1/4	126,414	1/4	137,096	1/4	147,743	1/4		1/4		1/4		1/4		1/4	
1/2	105,158	1/2	115,898	1/2	126,637	1/2	137,319	1/2	147,964	1/2		1/2		1/2		1/2		1/2	
3/4	105,381	3/4	116,122	3/4	126,859	3/4	137,541	3/4	148,184	3/4		3/4		3/4		3/4		3/4	
1	105,605	1	116,346	1	127,082	1	137,764	1	148,405	1		1		1		1		1	
1/4	105,829	1/4	116,570	1/4	127,304	1/4	137,986	1/4	148,625	1/4		1/4		1/4		1/4		1/4	
1/2	106,053	1/2	116,794	1/2	127,527	1/2	138,209	1/2	148,846	1/2		1/2		1/2		1/2		1/2	
3/4	106,277	3/4	117,017	3/4	127,750	3/4	138,431	3/4	149,066	3/4		3/4		3/4		3/4		3/4	
2	106,500	2	117,241	2	127,972	2	138,654	2	149,287	2		2		2		2		2	
1/4	106,724	1/4	117,465	1/4	128,195	1/4	138,877	1/4	149,488	1/4		1/4		1/4		1/4		1/4	
1/2	106,948	1/2	117,689	1/2	128,417	1/2	139,099	1/2	149,690	1/2		1/2		1/2		1/2		1/2	
3/4	107,172	3/4	117,912	3/4	128,640	3/4	139,322	3/4	149,892	3/4		3/4		3/4		3/4		3/4	
3	107,395	3	118,136	3	128,862	3	139,544	3	150,094	3		3		3		3		3	
1/4	107,619	1/4	118,360	1/4	129,085	1/4	139,767	1/4	150,258	1/4		1/4		1/4		1/4		1/4	
1/2	107,843	1/2	118,584	1/2	129,307	1/2	139,989	1/2	150,423	1/2		1/2		1/2		1/2		1/2	
3/4	108,067	3/4	118,807	3/4	129,530	3/4	140,212	3/4	150,587	3/4		3/4		3/4		3/4		3/4	
4	108,290	4	119,031	4	129,752	4	140,434	4	150,752	4		4		4		4		4	
1/4	108,514	1/4	119,255	1/4	129,975	1/4	140,657	1/4	150,879	1/4		1/4		1/4		1/4		1/4	
1/2	108,738	1/2	119,479	1/2	130,197	1/2	140,879	1/2	151,006	1/2		1/2		1/2		1/2		1/2	
3/4	108,962	3/4	119,703	3/4	130,420	3/4	141,102	3/4	151,134	3/4		3/4		3/4		3/4		3/4	
5	109,185	5	119,926	5	130,643	5	141,324	5	151,261	5		5		5		5		5	
1/4	109,409	1/4	120,150	1/4	130,865	1/4	141,547	1/4	151,351	1/4		1/4		1/4		1/4		1/4	
1/2	109,633	1/2	120,374	1/2	131,088	1/2	141,770	1/2	151,441	1/2		1/2		1/2		1/2		1/2	
3/4	109,857	3/4	120,598	3/4	131,310	3/4	141,992	3/4	151,531	3/4		3/4		3/4		3/4		3/4	
6	110,081	6	120,821	6	131,533	6	142,215	6	151,621	6		6		6		6		6	
1/4	110,304	1/4	121,045	1/4	131,755	1/4	142,437	1/4	151,673	1/4		1/4		1/4		1/4		1/4	
1/2	110,528	1/2	121,269	1/2	131,978	1/2	142,660	1/2	151,726	1/2		1/2		1/2		1/2		1/2	
3/4	110,752	3/4	121,493	3/4	132,200	3/4	142,882	3/4	151,778	3/4		3/4		3/4		3/4		3/4	
7	110,976	7	121,716	7	132,423	7	143,105	7	151,831	7		7		7		7		7	
1/4	111,199	1/4	121,940	1/4	132,645	1/4	143,327	1/4	151,846	1/4		1/4		1/4		1/4		1/4	
1/2	111,423	1/2	122,164	1/2	132,868	1/2	143,550	1/2	151,862	1/2		1/2		1/2		1/2		1/2	
3/4	111,647	3/4	122,388	3/4	133,090	3/4	143,772	3/4	151,877	3/4		3/4		3/4		3/4		3/4	
8	111,871	8	122,611	8	133,313	8	143,995	8	151,892	8		8		8		8		8	
1/4	112,094	1/4	122,835	1/4	133,536	1/4	144,215	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	112,318	1/2	123,059	1/2	133,758	1/2	144,436	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	112,542	3/4	123,283	3/4	133,981	3/4	144,656	3/4		3/4		3/4		3/4		3/4		3/4	
9	112,766	9	123,507	9	134,203	9	144,877	9		9		9		9		9		9	
1/4	112,990	1/4	123,730	1/4	134,426	1/4	145,097	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	113,213	1/2	123,954	1/2	134,648	1/2	145,318	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	113,437	3/4	124,178	3/4	134,871	3/4	145,538	3/4		3/4		3/4		3/4		3/4		3/4	
10	113,661	10	124,402	10	135,093	10	145,759	10		10		10		10		10		10	
1/4	113,885	1/4	124,625	1/4	135,316	1/4	145,979	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	114,108	1/2	124,849	1/2	135,538	1/2	146,200	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	114,332	3/4	125,073	3/4	135,761	3/4	146,420	3/4		3/4		3/4		3/4		3/4		3/4	
11	114,556	11	125,297	11	135,983	11	146,641	11		11		11		11		11		11	
1/4	114,780	1/4	125,520	1/4	136,206	1/4	146,861	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	115,003	1/2	125,744	1/2	136,429	1/2	147,082	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	115,227	3/4	125,968	3/4	136,651	3/4	147,302	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/22/2017 SW
CALCULATED: 09/22/2017 CL
PRINTED: 09/22/2017 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2017

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 1396"

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"

September 22, 2017

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

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 Pearland, Texas 77588

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BARGE "CBC 1396"

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	121,708	0	112,252	0	101,795	0	91,031	0	80,267
1/4		1/4		1/4		1/4	140,366	1/4	130,946	1/4	121,511	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	130,750	1/2	121,314	1/2	111,858	1/2	101,347	1/2	90,583	1/2	79,818
3/4		3/4		3/4		3/4	147,278	3/4	139,977	3/4	130,554	3/4	121,117	3/4	111,661	3/4	101,122	3/4	90,358
1		1		1		1	147,262	1	139,781	1	130,358	1	120,920	1	111,464	1	100,898	1	90,134
1/4		1/4		1/4		1/4	147,246	1/4	139,584	1/4	130,162	1/4	120,723	1/4	111,267	1/4	100,674	1/4	89,910
1/2		1/2		1/2		1/2	147,230	1/2	139,387	1/2	129,967	1/2	120,526	1/2	111,071	1/2	100,450	1/2	89,686
3/4		3/4		3/4		3/4	147,214	3/4	139,191	3/4	129,771	3/4	120,329	3/4	110,874	3/4	100,225	3/4	89,462
2		2		2		2	147,160	2	138,994	2	129,575	2	120,132	2	110,677	2	100,001	2	89,237
1/4		1/4		1/4		1/4	147,107	1/4	138,798	1/4	129,379	1/4	119,935	1/4	110,480	1/4	99,777	1/4	89,013
1/2		1/2		1/2		1/2	147,053	1/2	138,601	1/2	129,183	1/2	119,738	1/2	110,283	1/2	99,553	1/2	88,789
3/4		3/4		3/4		3/4	147,000	3/4	138,405	3/4	128,987	3/4	119,540	3/4	110,086	3/4	99,328	3/4	88,565
3		3		3		3	146,909	3	138,208	3	128,791	3	119,343	3	109,862	3	99,104	3	88,340
1/4		1/4		1/4		1/4	146,818	1/4	138,012	1/4	128,594	1/4	119,146	1/4	109,638	1/4	98,880	1/4	88,116
1/2		1/2		1/2		1/2	146,727	1/2	137,815	1/2	128,398	1/2	118,949	1/2	109,414	1/2	98,656	1/2	87,892
3/4		3/4		3/4		3/4	146,636	3/4	137,619	3/4	128,201	3/4	118,752	3/4	109,190	3/4	98,431	3/4	87,668
4		4		4		4	146,507	4	137,422	4	128,005	4	118,555	4	108,966	4	98,207	4	87,443
1/4		1/4		1/4		1/4	146,379	1/4	137,225	1/4	127,808	1/4	118,358	1/4	108,742	1/4	97,983	1/4	87,219
1/2		1/2		1/2		1/2	146,250	1/2	137,029	1/2	127,612	1/2	118,161	1/2	108,518	1/2	97,759	1/2	86,995
3/4		3/4		3/4		3/4	146,122	3/4	136,832	3/4	127,415	3/4	117,964	3/4	108,294	3/4	97,534	3/4	86,771
5		5		5		5	145,956	5	136,636	5	127,218	5	117,767	5	108,070	5	97,310	5	86,546
1/4		1/4		1/4		1/4	145,790	1/4	136,439	1/4	127,022	1/4	117,570	1/4	107,846	1/4	97,086	1/4	86,322
1/2		1/2		1/2		1/2	145,624	1/2	136,243	1/2	126,825	1/2	117,373	1/2	107,622	1/2	96,862	1/2	86,098
3/4		3/4		3/4		3/4	145,458	3/4	136,046	3/4	126,629	3/4	117,176	3/4	107,398	3/4	96,637	3/4	85,874
6		6		6		6	145,255	6	135,850	6	126,432	6	116,979	6	107,174	6	96,413	6	85,649
1/4		1/4		1/4		1/4	145,051	1/4	135,653	1/4	126,236	1/4	116,781	1/4	106,950	1/4	96,189	1/4	85,425
1/2		1/2		1/2		1/2	144,848	1/2	135,457	1/2	126,039	1/2	116,584	1/2	106,726	1/2	95,965	1/2	85,201
3/4		3/4		3/4		3/4	144,645	3/4	135,260	3/4	125,843	3/4	116,387	3/4	106,502	3/4	95,740	3/4	84,977
7		7		7		7	144,450	7	135,063	7	125,646	7	116,190	7	106,278	7	95,516	7	84,752
1/4		1/4		1/4		1/4	144,256	1/4	134,867	1/4	125,449	1/4	115,993	1/4	106,054	1/4	95,292	1/4	84,528
1/2		1/2		1/2		1/2	144,061	1/2	134,670	1/2	125,253	1/2	115,796	1/2	105,830	1/2	95,068	1/2	84,304
3/4		3/4		3/4		3/4	143,867	3/4	134,474	3/4	125,056	3/4	115,599	3/4	105,606	3/4	94,843	3/4	84,080
8		8		8		8	143,672	8	134,277	8	124,860	8	115,402	8	105,382	8	94,619	8	83,855
1/4		1/4		1/4		1/4	143,478	1/4	134,081	1/4	124,663	1/4	115,205	1/4	105,158	1/4	94,395	1/4	83,631
1/2		1/2		1/2		1/2	143,283	1/2	133,884	1/2	124,467	1/2	115,008	1/2	104,934	1/2	94,171	1/2	83,407
3/4		3/4		3/4		3/4	143,089	3/4	133,688	3/4	124,270	3/4	114,811	3/4	104,710	3/4	93,946	3/4	83,183
9		9		9		9	142,894	9	133,492	9	124,073	9	114,614	9	104,486	9	93,722	9	82,958
1/4		1/4		1/4		1/4	142,700	1/4	133,296	1/4	123,876	1/4	114,417	1/4	104,262	1/4	93,498	1/4	82,734
1/2		1/2		1/2		1/2	142,505	1/2	133,100	1/2	123,679	1/2	114,220	1/2	104,038	1/2	93,274	1/2	82,510
3/4		3/4		3/4		3/4	142,311	3/4	132,904	3/4	123,482	3/4	114,023	3/4	103,813	3/4	93,049	3/4	82,285
10		10		10		10	142,116	10	132,708	10	123,285	10	113,826	10	103,589	10	92,825	10	82,061
1/4		1/4		1/4		1/4	141,922	1/4	132,513	1/4	123,088	1/4	113,630	1/4	103,365	1/4	92,601	1/4	81,837
1/2		1/2		1/2		1/2	141,727	1/2	132,317	1/2	122,891	1/2	113,433	1/2	103,141	1/2	92,377	1/2	81,613
3/4		3/4		3/4		3/4	141,533	3/4	132,121	3/4	122,694	3/4	113,236	3/4	102,916	3/4	92,152	3/4	81,388
11		11		11		11	141,338	11	131,925	11	122,497	11	113,039	11	102,692	11	91,928	11	81,164
1/4		1/4		1/4		1/4	141,144	1/4	131,729	1/4	122,299	1/4	112,842	1/4	102,468	1/4	91,704	1/4	80,940
1/2		1/2		1/2		1/2	140,950	1/2	131,533	1/2	122,102	1/2	112,645	1/2	102,244	1/2	91,480	1/2	80,716
3/4		3/4		3/4		3/4	140,755	3/4	131,337	3/4	121,905	3/4	112,449	3/4	102,019	3/4	91,255	3/4	80,491

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 1396"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	69,322	1/4	58,568	1/4	47,807	1/4	37,047	1/4	26,460	1/4	15,733	1/4	4,951	1/4		1/4		1/4		1/4	
1/2	69,099	1/2	58,343	1/2	47,583	1/2	36,822	1/2	26,242	1/2	15,508	1/2	4,727	1/2		1/2		1/2		1/2	
3/4	68,875	3/4	58,119	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		3/4	
1	68,651	1	57,895	1	47,135	1	36,374	1	25,805	1	15,059	1	4,282	1		1		1		1	
1/4	68,428	1/4	57,671	1/4	46,910	1/4	36,150	1/4	25,586	1/4	14,834	1/4	4,059	1/4		1/4		1/4		1/4	
1/2	68,204	1/2	57,447	1/2	46,686	1/2	35,926	1/2	25,367	1/2	14,609	1/2	3,837	1/2		1/2		1/2		1/2	
3/4	67,981	3/4	57,223	3/4	46,462	3/4	35,701	3/4	25,149	3/4	14,384	3/4	3,615	3/4		3/4		3/4		3/4	
2	67,757	2	56,998	2	46,238	2	35,477	2	24,930	2	14,159	2	3,394	2		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		1/4	
1/2	67,310	1/2	56,550	1/2	45,789	1/2	35,029	1/2	24,492	1/2	13,710	1/2	2,954	1/2		1/2		1/2		1/2	
3/4	67,086	3/4	56,326	3/4	45,565	3/4	34,805	3/4	24,274	3/4	13,485	3/4	2,734	3/4		3/4		3/4		3/4	
3	66,862	3	56,102	3	45,341	3	34,581	3	24,049	3	13,260	3	2,528	3		3		3		3	
1/4	66,638	1/4	55,877	1/4	45,117	1/4	34,356	1/4	23,824	1/4	13,036	1/4	2,323	1/4		1/4		1/4		1/4	
1/2	66,414	1/2	55,653	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		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		3/4	
4	65,965	4	55,205	4	44,444	4	33,684	4	23,150	4	12,361	4	1,743	4		4		4		4	
1/4	65,741	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		1/4	
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		1/2	
3/4	65,293	3/4	54,532	3/4	43,772	3/4	33,011	3/4	22,476	3/4	11,687	3/4	1,238	3/4		3/4		3/4		3/4	
5	65,069	5	54,308	5	43,548	5	32,793	5	22,251	5	11,462	5	1,107	5		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		1/4	
1/2	64,620	1/2	53,860	1/2	43,099	1/2	32,356	1/2	21,801	1/2	11,013	1/2	845	1/2		1/2		1/2		1/2	
3/4	64,396	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		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		6	
1/4	63,948	1/4	53,187	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		1/4	
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		1/2	
3/4	63,500	3/4	52,739	3/4	41,978	3/4	31,264	3/4	20,678	3/4	9,889	3/4	339	3/4		3/4		3/4		3/4	
7	63,275	7	52,515	7	41,754	7	31,046	7	20,453	7	9,664	7	283	7		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		1/4	
1/2	62,827	1/2	52,066	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		1/2	
3/4	62,603	3/4	51,842	3/4	41,082	3/4	30,391	3/4	19,778	3/4	8,990	3/4	114	3/4		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		8	
1/4	62,154	1/4	51,394	1/4	40,633	1/4	29,954	1/4	19,329	1/4	8,541	1/4	77	1/4		1/4		1/4		1/4	
1/2	61,930	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		1/2	
3/4	61,706	3/4	50,946	3/4	40,185	3/4	29,518	3/4	18,879	3/4	8,091	3/4	39	3/4		3/4		3/4		3/4	
9	61,482	9	50,721	9	39,961	9	29,299	9	18,655	9	7,866	9		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		1/4	
1/2	61,034	1/2	50,273	1/2	39,513	1/2	28,862	1/2	18,205	1/2	7,417	1/2		1/2		1/2		1/2		1/2	
3/4	60,809	3/4	50,049	3/4	39,288	3/4	28,644	3/4	17,980	3/4	7,192	3/4		3/4		3/4		3/4		3/4	
10	60,585	10	49,825	10	39,064	10	28,426	10	17,756	10	6,967	10		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		1/4	
1/2	60,137	1/2	49,376	1/2	38,616	1/2	27,989	1/2	17,306	1/2	6,518	1/2		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		3/4	
11	59,688	11	48,928	11	38,167	11	27,552	11	16,857	11	6,070	11		11		11		11		11	
1/4	59,464	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		1/4	
1/2	59,240	1/2	48,480	1/2	37,719	1/2	27,115	1/2	16,407	1/2	5,621	1/2		1/2		1/2		1/2		1/2	
3/4	59,016	3/4	48,255	3/4	37,495	3/4	26,897	3/4	16,182	3/4	5,397	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/22/2017 SW
CALCULATED: 09/22/2017 CL
PRINTED: 09/22/2017 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2017

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "CBC 1396"

2 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	163,608	0	151,556	0	139,477	0	127,346	0	115,214	0	103,083	0	90,952
1/4		1/4		1/4		1/4	163,359	1/4	151,305	1/4	139,224	1/4	127,093	1/4	114,962	1/4	102,831	1/4	90,699
1/2		1/2		1/2		1/2	163,110	1/2	151,053	1/2	138,971	1/2	126,840	1/2	114,709	1/2	102,578	1/2	90,446
3/4		3/4		3/4		3/4	162,861	3/4	150,802	3/4	138,719	3/4	126,587	3/4	114,456	3/4	102,325	3/4	90,193
1		1		1		1	162,612	1	150,551	1	138,466	1	126,335	1	114,204	1	102,072	1	89,940
1/4		1/4		1/4		1/4	171,282	1/4	162,363	1/4	150,299	1/4	138,213	1/4	126,082	1/4	113,951	1/4	101,820
1/2		1/2		1/2		1/2	171,265	1/2	162,112	1/2	150,048	1/2	137,960	1/2	125,829	1/2	113,698	1/2	101,567
3/4		3/4		3/4		3/4	171,248	3/4	161,861	3/4	149,797	3/4	137,708	3/4	125,577	3/4	113,445	3/4	101,314
2		2		2		2	171,230	2	161,609	2	149,545	2	137,455	2	125,324	2	113,193	2	101,061
1/4		1/4		1/4		1/4	171,213	1/4	161,358	1/4	149,294	1/4	137,202	1/4	125,071	1/4	112,940	1/4	100,809
1/2		1/2		1/2		1/2	171,154	1/2	161,107	1/2	149,043	1/2	136,950	1/2	124,818	1/2	112,687	1/2	100,556
3/4		3/4		3/4		3/4	171,094	3/4	160,855	3/4	148,792	3/4	136,697	3/4	124,566	3/4	112,434	3/4	100,303
3		3		3		3	171,035	3	160,604	3	148,540	3	136,444	3	124,313	3	112,182	3	100,050
1/4		1/4		1/4		1/4	170,975	1/4	160,353	1/4	148,289	1/4	136,191	1/4	124,060	1/4	111,929	1/4	99,798
1/2		1/2		1/2		1/2	170,874	1/2	160,101	1/2	148,038	1/2	135,939	1/2	123,807	1/2	111,676	1/2	99,545
3/4		3/4		3/4		3/4	170,772	3/4	159,850	3/4	147,786	3/4	135,686	3/4	123,555	3/4	111,423	3/4	99,292
4		4		4		4	170,671	4	159,599	4	147,535	4	135,433	4	123,302	4	111,171	4	99,040
1/4		1/4		1/4		1/4	170,569	1/4	159,347	1/4	147,284	1/4	135,180	1/4	123,049	1/4	110,918	1/4	98,787
1/2		1/2		1/2		1/2	170,425	1/2	159,096	1/2	147,032	1/2	134,928	1/2	122,796	1/2	110,665	1/2	98,534
3/4		3/4		3/4		3/4	170,282	3/4	158,845	3/4	146,781	3/4	134,675	3/4	122,544	3/4	110,413	3/4	98,281
5		5		5		5	170,138	5	158,593	5	146,530	5	134,422	5	122,291	5	110,160	5	98,029
1/4		1/4		1/4		1/4	169,994	1/4	158,342	1/4	146,278	1/4	134,169	1/4	122,038	1/4	109,907	1/4	97,776
1/2		1/2		1/2		1/2	169,809	1/2	158,091	1/2	146,027	1/2	133,917	1/2	121,786	1/2	109,654	1/2	97,523
3/4		3/4		3/4		3/4	169,623	3/4	157,839	3/4	145,776	3/4	133,664	3/4	121,533	3/4	109,402	3/4	97,270
6		6		6		6	169,437	6	157,588	6	145,524	6	133,411	6	121,280	6	109,149	6	97,018
1/4		1/4		1/4		1/4	169,251	1/4	157,337	1/4	145,273	1/4	133,159	1/4	121,027	1/4	108,896	1/4	96,765
1/2		1/2		1/2		1/2	169,023	1/2	157,085	1/2	145,022	1/2	132,906	1/2	120,775	1/2	108,643	1/2	96,512
3/4		3/4		3/4		3/4	168,795	3/4	156,834	3/4	144,770	3/4	132,653	3/4	120,522	3/4	108,391	3/4	96,259
7		7		7		7	168,567	7	156,583	7	144,519	7	132,400	7	120,269	7	108,138	7	96,007
1/4		1/4		1/4		1/4	168,339	1/4	156,331	1/4	144,268	1/4	132,148	1/4	120,016	1/4	107,885	1/4	95,754
1/2		1/2		1/2		1/2	168,090	1/2	156,080	1/2	144,016	1/2	131,895	1/2	119,764	1/2	107,632	1/2	95,501
3/4		3/4		3/4		3/4	167,841	3/4	155,829	3/4	143,765	3/4	131,642	3/4	119,511	3/4	107,380	3/4	95,249
8		8		8		8	167,592	8	155,577	8	143,514	8	131,389	8	119,258	8	107,127	8	94,996
1/4		1/4		1/4		1/4	167,343	1/4	155,326	1/4	143,262	1/4	131,137	1/4	119,005	1/4	106,874	1/4	94,743
1/2		1/2		1/2		1/2	167,094	1/2	155,075	1/2	143,011	1/2	130,884	1/2	118,753	1/2	106,622	1/2	94,490
3/4		3/4		3/4		3/4	166,845	3/4	154,823	3/4	142,760	3/4	130,631	3/4	118,500	3/4	106,369	3/4	94,238
9		9		9		9	166,596	9	154,572	9	142,508	9	130,378	9	118,247	9	106,116	9	93,985
1/4		1/4		1/4		1/4	166,347	1/4	154,321	1/4	142,257	1/4	130,126	1/4	117,995	1/4	105,863	1/4	93,732
1/2		1/2		1/2		1/2	166,098	1/2	154,069	1/2	142,004	1/2	129,873	1/2	117,742	1/2	105,611	1/2	93,479
3/4		3/4		3/4		3/4	165,849	3/4	153,818	3/4	141,751	3/4	129,620	3/4	117,489	3/4	105,358	3/4	93,227
10		10		10		10	165,600	10	153,567	10	141,499	10	129,368	10	117,236	10	105,105	10	92,974
1/4		1/4		1/4		1/4	165,351	1/4	153,315	1/4	141,246	1/4	129,115	1/4	116,984	1/4	104,852	1/4	92,721
1/2		1/2		1/2		1/2	165,102	1/2	153,064	1/2	140,993	1/2	128,862	1/2	116,731	1/2	104,600	1/2	92,468
3/4		3/4		3/4		3/4	164,853	3/4	152,813	3/4	140,741	3/4	128,609	3/4	116,478	3/4	104,347	3/4	92,215
11		11		11		11	164,604	11	152,561	11	140,488	11	128,357	11	116,225	11	104,094	11	91,963
1/4		1/4		1/4		1/4	164,355	1/4	152,310	1/4	140,235	1/4	128,104	1/4	115,973	1/4	103,841	1/4	91,710
1/2		1/2		1/2		1/2	164,106	1/2	152,059	1/2	139,982	1/2	127,851	1/2	115,720	1/2	103,589	1/2	91,457
3/4		3/4		3/4		3/4	163,857	3/4	151,807	3/4	139,730	3/4	127,598	3/4	115,467	3/4	103,336	3/4	91,204

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'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "CBC 1396"

2 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	78,818	0	66,685	0	54,552	0	42,418	0	30,515	0	18,447	0	6,318	0		0		0	
1/4	78,565	1/4	66,432	1/4	54,299	1/4	42,166	1/4	30,269	1/4	18,195	1/4	6,066	1/4	1/4		1/4	1/4	
1/2	78,313	1/2	66,179	1/2	54,046	1/2	41,913	1/2	30,024	1/2	17,942	1/2	5,814	1/2	1/2		1/2	1/2	
3/4	78,060	3/4	65,927	3/4	53,793	3/4	41,660	3/4	29,779	3/4	17,689	3/4	5,563	3/4	3/4		3/4	3/4	
1	77,807	1	65,674	1	53,541	1	41,407	1	29,533	1	17,436	1	5,312	1	1		1	1	
1/4	77,554	1/4	65,421	1/4	53,288	1/4	41,154	1/4	29,288	1/4	17,183	1/4	5,061	1/4	1/4		1/4	1/4	
1/2	77,302	1/2	65,168	1/2	53,035	1/2	40,902	1/2	29,042	1/2	16,931	1/2	4,811	1/2	1/2		1/2	1/2	
3/4	77,049	3/4	64,916	3/4	52,782	3/4	40,649	3/4	28,797	3/4	16,678	3/4	4,561	3/4	3/4		3/4	3/4	
2	76,796	2	64,663	2	52,529	2	40,396	2	28,551	2	16,425	2	4,311	2	2		2	2	
1/4	76,543	1/4	64,410	1/4	52,277	1/4	40,143	1/4	28,305	1/4	16,172	1/4	4,061	1/4	1/4		1/4	1/4	
1/2	76,290	1/2	64,157	1/2	52,024	1/2	39,891	1/2	28,053	1/2	15,920	1/2	3,813	1/2	1/2		1/2	1/2	
3/4	76,038	3/4	63,904	3/4	51,771	3/4	39,638	3/4	27,800	3/4	15,667	3/4	3,565	3/4	3/4		3/4	3/4	
3	75,785	3	63,652	3	51,518	3	39,385	3	27,547	3	15,414	3	3,318	3	3		3	3	
1/4	75,532	1/4	63,399	1/4	51,266	1/4	39,132	1/4	27,294	1/4	15,161	1/4	3,070	1/4	1/4		1/4	1/4	
1/2	75,279	1/2	63,146	1/2	51,013	1/2	38,879	1/2	27,041	1/2	14,909	1/2	2,839	1/2	1/2		1/2	1/2	
3/4	75,027	3/4	62,893	3/4	50,760	3/4	38,627	3/4	26,789	3/4	14,656	3/4	2,608	3/4	3/4		3/4	3/4	
4	74,774	4	62,641	4	50,507	4	38,374	4	26,536	4	14,403	4	2,377	4	4		4	4	
1/4	74,521	1/4	62,388	1/4	50,254	1/4	38,121	1/4	26,283	1/4	14,150	1/4	2,146	1/4	1/4		1/4	1/4	
1/2	74,268	1/2	62,135	1/2	50,002	1/2	37,875	1/2	26,030	1/2	13,897	1/2	1,956	1/2	1/2		1/2	1/2	
3/4	74,015	3/4	61,882	3/4	49,749	3/4	37,630	3/4	25,778	3/4	13,645	3/4	1,767	3/4	3/4		3/4	3/4	
5	73,763	5	61,629	5	49,496	5	37,384	5	25,525	5	13,392	5	1,577	5	5		5	5	
1/4	73,510	1/4	61,377	1/4	49,243	1/4	37,138	1/4	25,272	1/4	13,139	1/4	1,387	1/4	1/4		1/4	1/4	
1/2	73,257	1/2	61,124	1/2	48,991	1/2	36,893	1/2	25,019	1/2	12,886	1/2	1,240	1/2	1/2		1/2	1/2	
3/4	73,004	3/4	60,871	3/4	48,738	3/4	36,648	3/4	24,767	3/4	12,634	3/4	1,093	3/4	3/4		3/4	3/4	
6	72,752	6	60,618	6	48,485	6	36,402	6	24,514	6	12,381	6	945	6	6		6	6	
1/4	72,499	1/4	60,366	1/4	48,232	1/4	36,157	1/4	24,261	1/4	12,128	1/4	798	1/4	1/4		1/4	1/4	
1/2	72,246	1/2	60,113	1/2	47,979	1/2	35,912	1/2	24,008	1/2	11,875	1/2	692	1/2	1/2		1/2	1/2	
3/4	71,993	3/4	59,860	3/4	47,727	3/4	35,666	3/4	23,755	3/4	11,623	3/4	587	3/4	3/4		3/4	3/4	
7	71,740	7	59,607	7	47,474	7	35,421	7	23,503	7	11,370	7	482	7	7		7	7	
1/4	71,488	1/4	59,354	1/4	47,221	1/4	35,176	1/4	23,250	1/4	11,117	1/4	376	1/4	1/4		1/4	1/4	
1/2	71,235	1/2	59,102	1/2	46,968	1/2	34,930	1/2	22,997	1/2	10,864	1/2	313	1/2	1/2		1/2	1/2	
3/4	70,982	3/4	58,849	3/4	46,716	3/4	34,685	3/4	22,744	3/4	10,612	3/4	250	3/4	3/4		3/4	3/4	
8	70,729	8	58,596	8	46,463	8	34,440	8	22,492	8	10,359	8	187	8	8		8	8	
1/4	70,477	1/4	58,343	1/4	46,210	1/4	34,194	1/4	22,239	1/4	10,106	1/4	124	1/4	1/4		1/4	1/4	
1/2	70,224	1/2	58,091	1/2	45,957	1/2	33,949	1/2	21,986	1/2	9,853	1/2	103	1/2	1/2		1/2	1/2	
3/4	69,971	3/4	57,838	3/4	45,704	3/4	33,704	3/4	21,733	3/4	9,600	3/4	82	3/4	3/4		3/4	3/4	
9	69,718	9	57,585	9	45,452	9	33,459	9	21,481	9	9,348	9	61	9	9		9	9	
1/4	69,465	1/4	57,332	1/4	45,199	1/4	33,213	1/4	21,228	1/4	9,095	1/4	39	1/4	1/4		1/4	1/4	
1/2	69,213	1/2	57,079	1/2	44,946	1/2	32,968	1/2	20,975	1/2	8,842	1/2		1/2	1/2		1/2	1/2	
3/4	68,960	3/4	56,827	3/4	44,693	3/4	32,723	3/4	20,722	3/4	8,589	3/4		3/4	3/4		3/4	3/4	
10	68,707	10	56,574	10	44,441	10	32,477	10	20,469	10	8,337	10	10	10	10		10	10	
1/4	68,454	1/4	56,321	1/4	44,188	1/4	32,232	1/4	20,217	1/4	8,084	1/4		1/4	1/4		1/4	1/4	
1/2	68,202	1/2	56,068	1/2	43,935	1/2	31,987	1/2	19,964	1/2	7,831	1/2		1/2	1/2		1/2	1/2	
3/4	67,949	3/4	55,816	3/4	43,682	3/4	31,741	3/4	19,711	3/4	7,579	3/4		3/4	3/4		3/4	3/4	
11	67,696	11	55,563	11	43,429	11	31,496	11	19,458	11	7,326	11	11	11	11		11	11	
1/4	67,443	1/4	55,310	1/4	43,177	1/4	31,251	1/4	19,206	1/4	7,074	1/4		1/4	1/4		1/4	1/4	
1/2	67,191	1/2	55,057	1/2	42,924	1/2	31,005	1/2	18,953	1/2	6,822	1/2		1/2	1/2		1/2	1/2	
3/4	66,938	3/4	54,804	3/4	42,671	3/4	30,760	3/4	18,700	3/4	6,570	3/4		3/4	3/4		3/4	3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/22/2017 SW
CALCULATED: 09/22/2017 CL
PRINTED: 09/22/2017 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2017

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



BARGE "CBC 1396"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	145,318	0	134,648	0	123,954	0	113,213	0	102,472	0	91,732	0	80,991
1/4		1/4		1/4		1/4	145,097	1/4	134,426	1/4	123,730	1/4	112,990	1/4	102,249	1/4	91,508	1/4	80,767
1/2		1/2		1/2		1/2	144,877	1/2	134,203	1/2	123,507	1/2	112,766	1/2	102,025	1/2	91,284	1/2	80,543
3/4		3/4		3/4		3/4	144,656	3/4	133,981	3/4	123,283	3/4	112,542	3/4	101,801	3/4	91,060	3/4	80,319
1		1		1		1	144,436	1	133,758	1	123,059	1	112,318	1	101,577	1	90,837	1	80,095
1/4		1/4		1/4		1/4	144,215	1/4	133,536	1/4	122,835	1/4	112,094	1/4	101,354	1/4	90,613	1/4	79,871
1/2		1/2		1/2		1/2	151,892	1/2	143,995	1/2	133,313	1/2	122,611	1/2	111,871	1/2	101,130	1/2	90,389
3/4		3/4		3/4		3/4	151,877	3/4	143,772	3/4	133,090	3/4	122,388	3/4	111,647	3/4	100,906	3/4	79,424
2		2		2		2	151,862	2	143,550	2	132,868	2	122,164	2	111,423	2	100,682	2	79,200
1/4		1/4		1/4		1/4	151,846	1/4	143,327	1/4	132,645	1/4	121,940	1/4	111,199	1/4	100,459	1/4	89,718
1/2		1/2		1/2		1/2	151,831	1/2	143,105	1/2	132,423	1/2	121,716	1/2	110,976	1/2	100,235	1/2	89,494
3/4		3/4		3/4		3/4	151,778	3/4	142,882	3/4	132,200	3/4	121,493	3/4	110,752	3/4	100,011	3/4	89,270
3		3		3		3	151,726	3	142,660	3	131,978	3	121,269	3	110,528	3	99,787	3	89,046
1/4		1/4		1/4		1/4	151,673	1/4	142,437	1/4	131,755	1/4	121,045	1/4	110,304	1/4	99,564	1/4	88,823
1/2		1/2		1/2		1/2	151,621	1/2	142,215	1/2	131,533	1/2	120,821	1/2	110,081	1/2	99,340	1/2	88,599
3/4		3/4		3/4		3/4	151,531	3/4	141,992	3/4	131,310	3/4	120,598	3/4	109,857	3/4	99,116	3/4	88,375
4		4		4		4	151,441	4	141,770	4	131,088	4	120,374	4	109,633	4	98,892	4	88,151
1/4		1/4		1/4		1/4	151,351	1/4	141,547	1/4	130,865	1/4	120,150	1/4	109,409	1/4	98,668	1/4	87,928
1/2		1/2		1/2		1/2	151,261	1/2	141,324	1/2	130,643	1/2	119,926	1/2	109,185	1/2	98,445	1/2	87,704
3/4		3/4		3/4		3/4	151,134	3/4	141,102	3/4	130,420	3/4	119,703	3/4	108,962	3/4	98,221	3/4	87,480
5		5		5		5	151,006	5	140,879	5	130,197	5	119,479	5	108,738	5	97,997	5	87,256
1/4		1/4		1/4		1/4	150,879	1/4	140,657	1/4	129,975	1/4	119,255	1/4	108,514	1/4	97,773	1/4	87,033
1/2		1/2		1/2		1/2	150,752	1/2	140,434	1/2	129,752	1/2	119,031	1/2	108,290	1/2	97,550	1/2	86,809
3/4		3/4		3/4		3/4	150,587	3/4	140,212	3/4	129,530	3/4	118,807	3/4	108,067	3/4	97,326	3/4	86,585
6		6		6		6	150,423	6	139,989	6	129,307	6	118,584	6	107,843	6	97,102	6	86,361
1/4		1/4		1/4		1/4	150,258	1/4	139,767	1/4	129,085	1/4	118,360	1/4	107,619	1/4	96,878	1/4	86,138
1/2		1/2		1/2		1/2	150,094	1/2	139,544	1/2	128,862	1/2	118,136	1/2	107,395	1/2	96,655	1/2	85,914
3/4		3/4		3/4		3/4	149,892	3/4	139,322	3/4	128,640	3/4	117,912	3/4	107,172	3/4	96,431	3/4	85,690
7		7		7		7	149,690	7	139,099	7	128,417	7	117,689	7	106,948	7	96,207	7	85,466
1/4		1/4		1/4		1/4	149,488	1/4	138,877	1/4	128,195	1/4	117,465	1/4	106,724	1/4	95,983	1/4	85,242
1/2		1/2		1/2		1/2	149,287	1/2	138,654	1/2	127,972	1/2	117,241	1/2	106,500	1/2	95,759	1/2	85,019
3/4		3/4		3/4		3/4	149,066	3/4	138,431	3/4	127,750	3/4	117,017	3/4	106,277	3/4	95,536	3/4	84,795
8		8		8		8	148,846	8	138,209	8	127,527	8	116,794	8	106,053	8	95,312	8	84,571
1/4		1/4		1/4		1/4	148,625	1/4	137,986	1/4	127,304	1/4	116,570	1/4	105,829	1/4	95,088	1/4	84,347
1/2		1/2		1/2		1/2	148,405	1/2	137,764	1/2	127,082	1/2	116,346	1/2	105,605	1/2	94,864	1/2	84,124
3/4		3/4		3/4		3/4	148,184	3/4	137,541	3/4	126,859	3/4	116,122	3/4	105,381	3/4	94,641	3/4	83,900
9		9		9		9	147,964	9	137,319	9	126,637	9	115,898	9	105,158	9	94,417	9	83,676
1/4		1/4		1/4		1/4	147,743	1/4	137,096	1/4	126,414	1/4	115,675	1/4	104,934	1/4	94,193	1/4	83,452
1/2		1/2		1/2		1/2	147,523	1/2	136,874	1/2	126,192	1/2	115,451	1/2	104,710	1/2	93,969	1/2	83,229
3/4		3/4		3/4		3/4	147,302	3/4	136,651	3/4	125,968	3/4	115,227	3/4	104,486	3/4	93,746	3/4	83,005
10		10		10		10	147,082	10	136,429	10	125,744	10	115,003	10	104,263	10	93,522	10	82,781
1/4		1/4		1/4		1/4	146,861	1/4	136,206	1/4	125,520	1/4	114,780	1/4	104,039	1/4	93,298	1/4	82,557
1/2		1/2		1/2		1/2	146,641	1/2	135,983	1/2	125,297	1/2	114,556	1/2	103,815	1/2	93,074	1/2	82,333
3/4		3/4		3/4		3/4	146,420	3/4	135,761	3/4	125,073	3/4	114,332	3/4	103,591	3/4	92,851	3/4	82,110
11		11		11		11	146,200	11	135,538	11	124,849	11	114,108	11	103,368	11	92,627	11	81,886
1/4		1/4		1/4		1/4	145,979	1/4	135,316	1/4	124,625	1/4	113,885	1/4	103,144	1/4	92,403	1/4	81,662
1/2		1/2		1/2		1/2	145,759	1/2	135,093	1/2	124,402	1/2	113,661	1/2	102,920	1/2	92,179	1/2	81,438
3/4		3/4		3/4		3/4	145,538	3/4	134,871	3/4	124,178	3/4	113,437	3/4	102,696	3/4	91,955	3/4	81,214

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 23'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 1396"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	70,248	0	59,505	0	48,763	0	38,020	0	27,296	0	16,561	0	5,821	0		0		0	
1/4	70,024	1/4	59,281	1/4	48,539	1/4	37,796	1/4	27,073	1/4	16,337	1/4	5,598	1/4	1/4	1/4	1/4	1/4	1/4
1/2	69,800	1/2	59,058	1/2	48,315	1/2	37,572	1/2	26,850	1/2	16,113	1/2	5,375	1/2	1/2	1/2	1/2	1/2	1/2
3/4	69,576	3/4	58,834	3/4	48,091	3/4	37,349	3/4	26,627	3/4	15,890	3/4	5,152	3/4	3/4	3/4	3/4	3/4	3/4
1	69,353	1	58,610	1	47,867	1	37,125	1	26,404	1	15,666	1	4,930	1	1	1	1	1	1
1/4	69,129	1/4	58,386	1/4	47,644	1/4	36,901	1/4	26,181	1/4	15,442	1/4	4,707	1/4	1/4	1/4	1/4	1/4	1/4
1/2	68,905	1/2	58,162	1/2	47,420	1/2	36,677	1/2	25,958	1/2	15,218	1/2	4,485	1/2	1/2	1/2	1/2	1/2	1/2
3/4	68,681	3/4	57,939	3/4	47,196	3/4	36,453	3/4	25,734	3/4	14,995	3/4	4,264	3/4	3/4	3/4	3/4	3/4	3/4
2	68,457	2	57,715	2	46,972	2	36,230	2	25,511	2	14,771	2	4,042	2	2	2	2	2	2
1/4	68,234	1/4	57,491	1/4	46,748	1/4	36,006	1/4	25,287	1/4	14,547	1/4	3,821	1/4	1/4	1/4	1/4	1/4	1/4
1/2	68,010	1/2	57,267	1/2	46,525	1/2	35,782	1/2	25,064	1/2	14,323	1/2	3,600	1/2	1/2	1/2	1/2	1/2	1/2
3/4	67,786	3/4	57,043	3/4	46,301	3/4	35,558	3/4	24,840	3/4	14,099	3/4	3,381	3/4	3/4	3/4	3/4	3/4	3/4
3	67,562	3	56,820	3	46,077	3	35,334	3	24,617	3	13,876	3	3,161	3	3	3	3	3	3
1/4	67,338	1/4	56,596	1/4	45,853	1/4	35,111	1/4	24,394	1/4	13,652	1/4	2,942	1/4	1/4	1/4	1/4	1/4	1/4
1/2	67,115	1/2	56,372	1/2	45,629	1/2	34,887	1/2	24,170	1/2	13,428	1/2	2,722	1/2	1/2	1/2	1/2	1/2	1/2
3/4	66,891	3/4	56,148	3/4	45,406	3/4	34,663	3/4	23,946	3/4	13,204	3/4	2,518	3/4	3/4	3/4	3/4	3/4	3/4
4	66,667	4	55,924	4	45,182	4	34,439	4	23,723	4	12,980	4	2,313	4	4	4	4	4	4
1/4	66,443	1/4	55,701	1/4	44,958	1/4	34,215	1/4	23,499	1/4	12,757	1/4	2,109	1/4	1/4	1/4	1/4	1/4	1/4
1/2	66,219	1/2	55,477	1/2	44,734	1/2	33,992	1/2	23,275	1/2	12,533	1/2	1,904	1/2	1/2	1/2	1/2	1/2	1/2
3/4	65,996	3/4	55,253	3/4	44,510	3/4	33,768	3/4	23,051	3/4	12,309	3/4	1,736	3/4	3/4	3/4	3/4	3/4	3/4
5	65,772	5	55,029	5	44,287	5	33,544	5	22,827	5	12,085	5	1,569	5	5	5	5	5	5
1/4	65,548	1/4	54,805	1/4	44,063	1/4	33,320	1/4	22,604	1/4	11,861	1/4	1,401	1/4	1/4	1/4	1/4	1/4	1/4
1/2	65,324	1/2	54,582	1/2	43,839	1/2	33,096	1/2	22,380	1/2	11,638	1/2	1,233	1/2	1/2	1/2	1/2	1/2	1/2
3/4	65,100	3/4	54,358	3/4	43,615	3/4	32,873	3/4	22,156	3/4	11,414	3/4	1,102	3/4	3/4	3/4	3/4	3/4	3/4
6	64,877	6	54,134	6	43,391	6	32,650	6	21,932	6	11,190	6	972	6	6	6	6	6	6
1/4	64,653	1/4	53,910	1/4	43,168	1/4	32,427	1/4	21,708	1/4	10,966	1/4	841	1/4	1/4	1/4	1/4	1/4	1/4
1/2	64,429	1/2	53,686	1/2	42,944	1/2	32,204	1/2	21,485	1/2	10,742	1/2	711	1/2	1/2	1/2	1/2	1/2	1/2
3/4	64,205	3/4	53,463	3/4	42,720	3/4	31,981	3/4	21,261	3/4	10,519	3/4	617	3/4	3/4	3/4	3/4	3/4	3/4
7	63,981	7	53,239	7	42,496	7	31,758	7	21,037	7	10,295	7	524	7	7	7	7	7	7
1/4	63,758	1/4	53,015	1/4	42,272	1/4	31,535	1/4	20,813	1/4	10,071	1/4	431	1/4	1/4	1/4	1/4	1/4	1/4
1/2	63,534	1/2	52,791	1/2	42,049	1/2	31,312	1/2	20,589	1/2	9,847	1/2	338	1/2	1/2	1/2	1/2	1/2	1/2
3/4	63,310	3/4	52,567	3/4	41,825	3/4	31,089	3/4	20,366	3/4	9,623	3/4	282	3/4	3/4	3/4	3/4	3/4	3/4
8	63,086	8	52,344	8	41,601	8	30,866	8	20,142	8	9,400	8	226	8	8	8	8	8	8
1/4	62,862	1/4	52,120	1/4	41,377	1/4	30,642	1/4	19,918	1/4	9,176	1/4	170	1/4	1/4	1/4	1/4	1/4	1/4
1/2	62,639	1/2	51,896	1/2	41,153	1/2	30,419	1/2	19,694	1/2	8,952	1/2	114	1/2	1/2	1/2	1/2	1/2	1/2
3/4	62,415	3/4	51,672	3/4	40,930	3/4	30,196	3/4	19,470	3/4	8,728	3/4	95	3/4	3/4	3/4	3/4	3/4	3/4
9	62,191	9	51,448	9	40,706	9	29,973	9	19,247	9	8,504	9	77	9	9	9	9	9	9
1/4	61,967	1/4	51,225	1/4	40,482	1/4	29,750	1/4	19,023	1/4	8,281	1/4	58	1/4	1/4	1/4	1/4	1/4	1/4
1/2	61,743	1/2	51,001	1/2	40,258	1/2	29,527	1/2	18,799	1/2	8,057	1/2	39	1/2	1/2	1/2	1/2	1/2	1/2
3/4	61,520	3/4	50,777	3/4	40,034	3/4	29,304	3/4	18,575	3/4	7,833	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	61,296	10	50,553	10	39,811	10	29,081	10	18,351	10	7,609	10		10	10	10	10	10	10
1/4	61,072	1/4	50,329	1/4	39,587	1/4	28,858	1/4	18,128	1/4	7,386	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	60,848	1/2	50,106	1/2	39,363	1/2	28,635	1/2	17,904	1/2	7,162	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	60,624	3/4	49,882	3/4	39,139	3/4	28,412	3/4	17,680	3/4	6,938	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	60,401	11	49,658	11	38,915	11	28,189	11	17,456	11	6,715	11		11	11	11	11	11	11
1/4	60,177	1/4	49,434	1/4	38,691	1/4	27,965	1/4	17,232	1/4	6,491	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	59,953	1/2	49,210	1/2	38,468	1/2	27,742	1/2	17,009	1/2	6,267	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	59,729	3/4	48,986	3/4	38,244	3/4	27,519	3/4	16,785	3/4	6,044	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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CALCULATED: 09/22/2017 CL
PRINTED: 09/22/2017 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2017

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