



BARGE "CBC 1414"

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	00-3/8	- 00-3/8	00-3/4	- 00-3/4	01-1/8	- 01-1/8	01-1/2	- 01-1/2	01-7/8	- 01-7/8	02-1/4	- 02-1/4
2 CENTER	- 00-1/8	00-1/8	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-3/4	00-3/4	- 00-7/8	00-7/8	- 01-1/8	01-1/8
3 CENTER	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4

(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 - 00-3/4"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED INNAGE IS 3'-11 1/4"

LENGTH BETWEEN DRAFT MARKS: 176'-06"

July 23, 2019

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 1414"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 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	8,702	0	20,310	0	31,735	0	43,200	0	54,780	0	66,359	0	77,916	0	89,474	0	101,059
1/4	60	1/4	8,944	1/4	20,552	1/4	31,969	1/4	43,441	1/4	55,021	1/4	66,601	1/4	78,156	1/4	89,716	1/4	101,300
1/2	80	1/2	9,186	1/2	20,794	1/2	32,203	1/2	43,682	1/2	55,262	1/2	66,842	1/2	78,396	1/2	89,957	1/2	101,541
3/4	100	3/4	9,428	3/4	21,036	3/4	32,437	3/4	43,924	3/4	55,503	3/4	67,083	3/4	78,636	3/4	90,198	3/4	101,783
1	120	1	9,670	1	21,277	1	32,671	1	44,165	1	55,745	1	67,324	1	78,876	1	90,440	1	102,024
1/4	180	1/4	9,912	1/4	21,519	1/4	32,905	1/4	44,406	1/4	55,986	1/4	67,566	1/4	79,116	1/4	90,681	1/4	102,265
1/2	241	1/2	10,153	1/2	21,761	1/2	33,139	1/2	44,647	1/2	56,227	1/2	67,807	1/2	79,355	1/2	90,922	1/2	102,507
3/4	301	3/4	10,395	3/4	22,003	3/4	33,373	3/4	44,889	3/4	56,468	3/4	68,048	3/4	79,595	3/4	91,164	3/4	102,748
2	362	2	10,637	2	22,245	2	33,608	2	45,130	2	56,710	2	68,289	2	79,835	2	91,405	2	102,989
1/4	463	1/4	10,879	1/4	22,487	1/4	33,842	1/4	45,371	1/4	56,951	1/4	68,531	1/4	80,075	1/4	91,647	1/4	103,231
1/2	563	1/2	11,121	1/2	22,728	1/2	34,076	1/2	45,612	1/2	57,192	1/2	68,772	1/2	80,315	1/2	91,888	1/2	103,472
3/4	664	3/4	11,363	3/4	22,970	3/4	34,310	3/4	45,854	3/4	57,433	3/4	69,013	3/4	80,555	3/4	92,129	3/4	103,713
3	765	3	11,604	3	23,212	3	34,544	3	46,095	3	57,675	3	69,254	3	80,795	3	92,371	3	103,955
1/4	906	1/4	11,846	1/4	23,454	1/4	34,778	1/4	46,336	1/4	57,916	1/4	69,496	1/4	81,035	1/4	92,612	1/4	104,196
1/2	1,047	1/2	12,088	1/2	23,696	1/2	35,012	1/2	46,577	1/2	58,157	1/2	69,737	1/2	81,275	1/2	92,853	1/2	104,437
3/4	1,188	3/4	12,330	3/4	23,938	3/4	35,246	3/4	46,819	3/4	58,398	3/4	69,978	3/4	81,514	3/4	93,095	3/4	104,679
4	1,329	4	12,572	4	24,179	4	35,480	4	47,060	4	58,640	4	70,219	4	81,754	4	93,336	4	104,920
1/4	1,510	1/4	12,814	1/4	24,421	1/4	35,721	1/4	47,301	1/4	58,881	1/4	70,461	1/4	81,995	1/4	93,577	1/4	105,161
1/2	1,692	1/2	13,055	1/2	24,663	1/2	35,963	1/2	47,542	1/2	59,122	1/2	70,702	1/2	82,236	1/2	93,819	1/2	105,403
3/4	1,873	3/4	13,297	3/4	24,905	3/4	36,204	3/4	47,784	3/4	59,363	3/4	70,943	3/4	82,476	3/4	94,060	3/4	105,644
5	2,054	5	13,539	5	25,147	5	36,445	5	48,025	5	59,605	5	71,184	5	82,717	5	94,301	5	105,885
1/4	2,275	1/4	13,781	1/4	25,389	1/4	36,686	1/4	48,266	1/4	59,846	1/4	71,426	1/4	82,958	1/4	94,543	1/4	106,127
1/2	2,496	1/2	14,023	1/2	25,630	1/2	36,928	1/2	48,507	1/2	60,087	1/2	71,667	1/2	83,199	1/2	94,784	1/2	106,368
3/4	2,717	3/4	14,264	3/4	25,872	3/4	37,169	3/4	48,749	3/4	60,328	3/4	71,908	3/4	83,441	3/4	95,025	3/4	106,609
6	2,938	6	14,506	6	26,114	6	37,410	6	48,990	6	60,570	6	72,149	6	83,682	6	95,267	6	106,851
1/4	3,175	1/4	14,748	1/4	26,348	1/4	37,651	1/4	49,231	1/4	60,811	1/4	72,390	1/4	83,923	1/4	95,508	1/4	107,092
1/2	3,412	1/2	14,990	1/2	26,583	1/2	37,893	1/2	49,472	1/2	61,052	1/2	72,631	1/2	84,165	1/2	95,749	1/2	107,334
3/4	3,649	3/4	15,232	3/4	26,817	3/4	38,134	3/4	49,714	3/4	61,293	3/4	72,871	3/4	84,406	3/4	95,991	3/4	107,575
7	3,886	7	15,474	7	27,052	7	38,375	7	49,955	7	61,535	7	73,112	7	84,648	7	96,232	7	107,816
1/4	4,125	1/4	15,715	1/4	27,286	1/4	38,616	1/4	50,196	1/4	61,776	1/4	73,353	1/4	84,889	1/4	96,473	1/4	108,058
1/2	4,365	1/2	15,957	1/2	27,521	1/2	38,858	1/2	50,437	1/2	62,017	1/2	73,593	1/2	85,130	1/2	96,715	1/2	108,299
3/4	4,604	3/4	16,199	3/4	27,755	3/4	39,099	3/4	50,679	3/4	62,258	3/4	73,834	3/4	85,372	3/4	96,956	3/4	108,540
8	4,843	8	16,441	8	27,990	8	39,340	8	50,920	8	62,500	8	74,075	8	85,613	8	97,197	8	108,782
1/4	5,083	1/4	16,683	1/4	28,224	1/4	39,581	1/4	51,161	1/4	62,741	1/4	74,315	1/4	85,854	1/4	97,439	1/4	109,023
1/2	5,324	1/2	16,925	1/2	28,458	1/2	39,823	1/2	51,402	1/2	62,982	1/2	74,556	1/2	86,096	1/2	97,680	1/2	109,264
3/4	5,564	3/4	17,166	3/4	28,692	3/4	40,064	3/4	51,644	3/4	63,223	3/4	74,797	3/4	86,337	3/4	97,921	3/4	109,506
9	5,804	9	17,408	9	28,926	9	40,305	9	51,885	9	63,465	9	75,037	9	86,578	9	98,163	9	109,747
1/4	6,045	1/4	17,650	1/4	29,160	1/4	40,546	1/4	52,126	1/4	63,706	1/4	75,277	1/4	86,820	1/4	98,404	1/4	109,988
1/2	6,287	1/2	17,892	1/2	29,394	1/2	40,788	1/2	52,367	1/2	63,947	1/2	75,517	1/2	87,061	1/2	98,645	1/2	110,230
3/4	6,528	3/4	18,134	3/4	29,628	3/4	41,029	3/4	52,609	3/4	64,188	3/4	75,757	3/4	87,302	3/4	98,887	3/4	110,471
10	6,769	10	18,376	10	29,862	10	41,270	10	52,850	10	64,430	10	75,997	10	87,544	10	99,128	10	110,712
1/4	7,010	1/4	18,617	1/4	30,096	1/4	41,511	1/4	53,091	1/4	64,671	1/4	76,237	1/4	87,785	1/4	99,369	1/4	110,954
1/2	7,252	1/2	18,859	1/2	30,330	1/2	41,752	1/2	53,332	1/2	64,912	1/2	76,477	1/2	88,026	1/2	99,611	1/2	111,195
3/4	7,494	3/4	19,101	3/4	30,565	3/4	41,994	3/4	53,573	3/4	65,153	3/4	76,717	3/4	88,268	3/4	99,852	3/4	111,436
11	7,735	11	19,343	11	30,799	11	42,235	11	53,815	11	65,395	11	76,956	11	88,509	11	100,093	11	111,678
1/4	7,977	1/4	19,585	1/4	31,033	1/4	42,476	1/4	54,056	1/4	65,636	1/4	77,196	1/4	88,750	1/4	100,335	1/4	111,919
1/2	8,219	1/2	19,827	1/2	31,267	1/2	42,717	1/2	54,297	1/2	65,877	1/2	77,436	1/2	88,992	1/2	100,576	1/2	112,160
3/4	8,461	3/4	20,068	3/4	31,501	3/4	42,959	3/4	54,538	3/4	66,118	3/4	77,676	3/4	89,233	3/4	100,817	3/4	112,402

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'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092

Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "CBC 1414"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 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	112,643	0	122,177	0	130,295	0	138,414	0	146,533	0		0		0		0		0	
1/4	112,884	1/4	122,346	1/4	130,465	1/4	138,583	1/4	146,702	1/4		1/4		1/4		1/4		1/4	
1/2	113,125	1/2	122,515	1/2	130,634	1/2	138,752	1/2	146,871	1/2		1/2		1/2		1/2		1/2	
3/4	113,365	3/4	122,684	3/4	130,803	3/4	138,922	3/4	147,040	3/4		3/4		3/4		3/4		3/4	
1	113,606	1	122,853	1	130,972	1	139,091	1	147,209	1		1		1		1		1	
1/4	113,847	1/4	123,022	1/4	131,141	1/4	139,260	1/4	147,379	1/4		1/4		1/4		1/4		1/4	
1/2	114,088	1/2	123,191	1/2	131,310	1/2	139,429	1/2	147,548	1/2		1/2		1/2		1/2		1/2	
3/4	114,328	3/4	123,361	3/4	131,479	3/4	139,598	3/4	147,717	3/4		3/4		3/4		3/4		3/4	
2	114,569	2	123,530	2	131,649	2	139,767	2	147,886	2		2		2		2		2	
1/4	114,810	1/4	123,699	1/4	131,818	1/4	139,936	1/4	148,055	1/4		1/4		1/4		1/4		1/4	
1/2	115,051	1/2	123,868	1/2	131,987	1/2	140,106	1/2	148,224	1/2		1/2		1/2		1/2		1/2	
3/4	115,292	3/4	124,037	3/4	132,156	3/4	140,275	3/4	148,393	3/4		3/4		3/4		3/4		3/4	
3	115,532	3	124,206	3	132,325	3	140,444	3	148,563	3		3		3		3		3	
1/4	115,773	1/4	124,375	1/4	132,494	1/4	140,613	1/4	148,732	1/4		1/4		1/4		1/4		1/4	
1/2	116,014	1/2	124,545	1/2	132,663	1/2	140,782	1/2	149,006	1/2		1/2		1/2		1/2		1/2	
3/4	116,255	3/4	124,714	3/4	132,832	3/4	140,951	3/4	149,228	3/4		3/4		3/4		3/4		3/4	
4	116,495	4	124,883	4	133,002	4	141,120	4	149,449	4		4		4		4		4	
1/4	116,736	1/4	125,052	1/4	133,171	1/4	141,290	1/4	149,631	1/4		1/4		1/4		1/4		1/4	
1/2	116,977	1/2	125,221	1/2	133,340	1/2	141,459	1/2	149,812	1/2		1/2		1/2		1/2		1/2	
3/4	117,218	3/4	125,390	3/4	133,509	3/4	141,628	3/4	149,993	3/4		3/4		3/4		3/4		3/4	
5	117,459	5	125,559	5	133,678	5	141,797	5	150,175	5		5		5		5		5	
1/4	117,627	1/4	125,729	1/4	133,847	1/4	141,966	1/4	150,316	1/4		1/4		1/4		1/4		1/4	
1/2	117,795	1/2	125,898	1/2	134,016	1/2	142,135	1/2	150,457	1/2		1/2		1/2		1/2		1/2	
3/4	117,963	3/4	126,067	3/4	134,186	3/4	142,304	3/4	150,598	3/4		3/4		3/4		3/4		3/4	
6	118,131	6	126,236	6	134,355	6	142,474	6	150,739	6		6		6		6		6	
1/4	118,299	1/4	126,405	1/4	134,524	1/4	142,643	1/4	150,840	1/4		1/4		1/4		1/4		1/4	
1/2	118,468	1/2	126,574	1/2	134,693	1/2	142,812	1/2	150,941	1/2		1/2		1/2		1/2		1/2	
3/4	118,637	3/4	126,743	3/4	134,862	3/4	142,981	3/4	151,041	3/4		3/4		3/4		3/4		3/4	
7	118,805	7	126,913	7	135,031	7	143,150	7	151,142	7		7		7		7		7	
1/4	118,974	1/4	127,082	1/4	135,200	1/4	143,319	1/4	151,203	1/4		1/4		1/4		1/4		1/4	
1/2	119,142	1/2	127,251	1/2	135,370	1/2	143,488	1/2	151,263	1/2		1/2		1/2		1/2		1/2	
3/4	119,311	3/4	127,420	3/4	135,539	3/4	143,657	3/4	151,324	3/4		3/4		3/4		3/4		3/4	
8	119,479	8	127,589	8	135,708	8	143,827	8	151,384	8		8		8		8		8	
1/4	119,648	1/4	127,758	1/4	135,877	1/4	143,996	1/4	151,404	1/4		1/4		1/4		1/4		1/4	
1/2	119,817	1/2	127,927	1/2	136,046	1/2	144,165	1/2	151,424	1/2		1/2		1/2		1/2		1/2	
3/4	119,985	3/4	128,097	3/4	136,215	3/4	144,334	3/4		3/4		3/4		3/4		3/4		3/4	
9	120,154	9	128,266	9	136,384	9	144,503	9		9		9		9		9		9	
1/4	120,322	1/4	128,435	1/4	136,554	1/4	144,672	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	120,491	1/2	128,604	1/2	136,723	1/2	144,841	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	120,659	3/4	128,773	3/4	136,892	3/4	145,011	3/4		3/4		3/4		3/4		3/4		3/4	
10	120,828	10	128,942	10	137,061	10	145,180	10		10		10		10		10		10	
1/4	120,997	1/4	129,111	1/4	137,230	1/4	145,349	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	121,165	1/2	129,281	1/2	137,399	1/2	145,518	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	121,334	3/4	129,450	3/4	137,568	3/4	145,687	3/4		3/4		3/4		3/4		3/4		3/4	
11	121,502	11	129,619	11	137,738	11	145,856	11		11		11		11		11		11	
1/4	121,671	1/4	129,788	1/4	137,907	1/4	146,025	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	121,839	1/2	129,957	1/2	138,076	1/2	146,195	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	122,008	3/4	130,126	3/4	138,245	3/4	146,364	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/23/2019 SW - JS
CALCULATED: 07/23/2019 CL
PRINTED: 07/23/2019 SW

PRECISION MEASUREMENT
& ANALYSIS, INC.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019



BARGE "CBC 1414"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 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	10,071	0	23,511	0	36,789	0	50,067	0	63,508	0	76,948	0	90,389	0	103,830	0	117,271
1/4	63	1/4	10,351	1/4	23,791	1/4	37,061	1/4	50,347	1/4	63,788	1/4	77,228	1/4	90,669	1/4	104,110	1/4	117,551
1/2	86	1/2	10,631	1/2	24,071	1/2	37,332	1/2	50,627	1/2	64,068	1/2	77,508	1/2	90,949	1/2	104,390	1/2	117,831
3/4	109	3/4	10,911	3/4	24,351	3/4	37,604	3/4	50,907	3/4	64,348	3/4	77,789	3/4	91,229	3/4	104,670	3/4	118,111
1	133	1	11,191	1	24,631	1	37,876	1	51,187	1	64,628	1	78,069	1	91,509	1	104,950	1	118,391
1/4	203	1/4	11,471	1/4	24,911	1/4	38,148	1/4	51,467	1/4	64,908	1/4	78,349	1/4	91,789	1/4	105,230	1/4	118,671
1/2	273	1/2	11,751	1/2	25,191	1/2	38,420	1/2	51,747	1/2	65,188	1/2	78,629	1/2	92,069	1/2	105,510	1/2	118,951
3/4	343	3/4	12,031	3/4	25,471	3/4	38,691	3/4	52,027	3/4	65,468	3/4	78,909	3/4	92,349	3/4	105,790	3/4	119,231
2	413	2	12,311	2	25,751	2	38,963	2	52,307	2	65,748	2	79,189	2	92,629	2	106,070	2	119,511
1/4	529	1/4	12,591	1/4	26,031	1/4	39,235	1/4	52,587	1/4	66,028	1/4	79,469	1/4	92,910	1/4	106,350	1/4	119,791
1/2	646	1/2	12,871	1/2	26,311	1/2	39,507	1/2	52,867	1/2	66,308	1/2	79,749	1/2	93,190	1/2	106,630	1/2	120,071
3/4	763	3/4	13,151	3/4	26,591	3/4	39,779	3/4	53,147	3/4	66,588	3/4	80,029	3/4	93,470	3/4	106,910	3/4	120,351
3	879	3	13,431	3	26,871	3	40,050	3	53,427	3	66,868	3	80,309	3	93,750	3	107,190	3	120,631
1/4	1,043	1/4	13,711	1/4	27,151	1/4	40,322	1/4	53,707	1/4	67,148	1/4	80,589	1/4	94,030	1/4	107,470	1/4	120,911
1/2	1,206	1/2	13,991	1/2	27,431	1/2	40,594	1/2	53,987	1/2	67,428	1/2	80,869	1/2	94,310	1/2	107,750	1/2	121,191
3/4	1,369	3/4	14,271	3/4	27,711	3/4	40,866	3/4	54,267	3/4	67,708	3/4	81,149	3/4	94,590	3/4	108,031	3/4	121,471
4	1,533	4	14,551	4	27,991	4	41,138	4	54,547	4	67,988	4	81,429	4	94,870	4	108,311	4	121,751
1/4	1,743	1/4	14,831	1/4	28,271	1/4	41,410	1/4	54,827	1/4	68,268	1/4	81,709	1/4	95,150	1/4	108,591	1/4	122,031
1/2	1,953	1/2	15,111	1/2	28,551	1/2	41,682	1/2	55,107	1/2	68,548	1/2	81,989	1/2	95,430	1/2	108,871	1/2	122,311
3/4	2,163	3/4	15,391	3/4	28,831	3/4	41,954	3/4	55,387	3/4	68,828	3/4	82,269	3/4	95,710	3/4	109,151	3/4	122,591
5	2,373	5	15,671	5	29,111	5	42,226	5	55,667	5	69,108	5	82,549	5	95,990	5	109,431	5	122,872
1/4	2,629	1/4	15,951	1/4	29,391	1/4	42,506	1/4	55,947	1/4	69,388	1/4	82,829	1/4	96,270	1/4	109,711	1/4	123,152
1/2	2,885	1/2	16,231	1/2	29,671	1/2	42,786	1/2	56,227	1/2	69,668	1/2	83,109	1/2	96,550	1/2	109,991	1/2	123,432
3/4	3,141	3/4	16,511	3/4	29,951	3/4	43,066	3/4	56,507	3/4	69,948	3/4	83,389	3/4	96,830	3/4	110,271	3/4	123,712
6	3,396	6	16,791	6	30,231	6	43,346	6	56,787	6	70,228	6	83,669	6	97,110	6	110,551	6	123,992
1/4	3,671	1/4	17,071	1/4	30,511	1/4	43,626	1/4	57,067	1/4	70,508	1/4	83,949	1/4	97,390	1/4	110,831	1/4	124,272
1/2	3,945	1/2	17,351	1/2	30,791	1/2	43,906	1/2	57,347	1/2	70,788	1/2	84,229	1/2	97,670	1/2	111,111	1/2	124,552
3/4	4,220	3/4	17,631	3/4	31,071	3/4	44,186	3/4	57,627	3/4	71,068	3/4	84,509	3/4	97,950	3/4	111,391	3/4	124,832
7	4,494	7	17,911	7	31,351	7	44,466	7	57,907	7	71,348	7	84,789	7	98,230	7	111,671	7	125,112
1/4	4,771	1/4	18,191	1/4	31,624	1/4	44,746	1/4	58,187	1/4	71,628	1/4	85,069	1/4	98,510	1/4	111,951	1/4	125,392
1/2	5,048	1/2	18,471	1/2	31,896	1/2	45,026	1/2	58,467	1/2	71,908	1/2	85,349	1/2	98,790	1/2	112,231	1/2	125,672
3/4	5,325	3/4	18,751	3/4	32,168	3/4	45,306	3/4	58,747	3/4	72,188	3/4	85,629	3/4	99,070	3/4	112,511	3/4	125,952
8	5,602	8	19,031	8	32,440	8	45,586	8	59,027	8	72,468	8	85,909	8	99,350	8	112,791	8	126,232
1/4	5,880	1/4	19,311	1/4	32,712	1/4	45,866	1/4	59,307	1/4	72,748	1/4	86,189	1/4	99,630	1/4	113,071	1/4	126,512
1/2	6,158	1/2	19,591	1/2	32,984	1/2	46,146	1/2	59,587	1/2	73,028	1/2	86,469	1/2	99,910	1/2	113,351	1/2	126,792
3/4	6,437	3/4	19,871	3/4	33,255	3/4	46,426	3/4	59,867	3/4	73,308	3/4	86,749	3/4	100,190	3/4	113,631	3/4	127,072
9	6,715	9	20,151	9	33,527	9	46,706	9	60,147	9	73,588	9	87,029	9	100,470	9	113,911	9	127,352
1/4	6,994	1/4	20,431	1/4	33,799	1/4	46,986	1/4	60,427	1/4	73,868	1/4	87,309	1/4	100,750	1/4	114,191	1/4	127,632
1/2	7,273	1/2	20,711	1/2	34,071	1/2	47,266	1/2	60,707	1/2	74,148	1/2	87,589	1/2	101,030	1/2	114,471	1/2	127,912
3/4	7,553	3/4	20,991	3/4	34,343	3/4	47,547	3/4	60,987	3/4	74,428	3/4	87,869	3/4	101,310	3/4	114,751	3/4	128,192
10	7,832	10	21,271	10	34,614	10	47,827	10	61,267	10	74,708	10	88,149	10	101,590	10	115,031	10	128,472
1/4	8,112	1/4	21,551	1/4	34,886	1/4	48,107	1/4	61,547	1/4	74,988	1/4	88,429	1/4	101,870	1/4	115,311	1/4	128,752
1/2	8,391	1/2	21,831	1/2	35,158	1/2	48,387	1/2	61,827	1/2	75,268	1/2	88,709	1/2	102,150	1/2	115,591	1/2	129,032
3/4	8,671	3/4	22,111	3/4	35,430	3/4	48,667	3/4	62,107	3/4	75,548	3/4	88,989	3/4	102,430	3/4	115,871	3/4	129,312
11	8,951	11	22,391	11	35,702	11	48,947	11	62,387	11	75,828	11	89,269	11	102,710	11	116,151	11	129,592
1/4	9,231	1/4	22,671	1/4	35,973	1/4	49,227	1/4	62,668	1/4	76,108	1/4	89,549	1/4	102,990	1/4	116,431	1/4	129,872
1/2	9,511	1/2	22,951	1/2	36,245	1/2	49,507	1/2	62,948	1/2	76,388	1/2	89,829	1/2	103,270	1/2	116,711	1/2	130,152
3/4	9,791	3/4	23,231	3/4	36,517	3/4	49,787	3/4	63,228	3/4	76,668	3/4	90,109	3/4	103,550	3/4	116,991	3/4	130,432

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 36'-00" 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 1414"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 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	130,712	0	144,153	0	157,594	0	171,035	0	184,476	0		0		0		0		0	
1/4	130,992	1/4	144,433	1/4	157,874	1/4	171,315	1/4	184,756	1/4		1/4		1/4		1/4		1/4	
1/2	131,272	1/2	144,713	1/2	158,154	1/2	171,595	1/2	185,036	1/2		1/2		1/2		1/2		1/2	
3/4	131,552	3/4	144,993	3/4	158,434	3/4	171,875	3/4	185,316	3/4		3/4		3/4		3/4		3/4	
1	131,832	1	145,273	1	158,714	1	172,155	1	185,596	1		1		1		1		1	
1/4	132,112	1/4	145,553	1/4	158,994	1/4	172,435	1/4	185,876	1/4		1/4		1/4		1/4		1/4	
1/2	132,392	1/2	145,833	1/2	159,274	1/2	172,715	1/2	186,156	1/2		1/2		1/2		1/2		1/2	
3/4	132,672	3/4	146,113	3/4	159,554	3/4	172,995	3/4	186,436	3/4		3/4		3/4		3/4		3/4	
2	132,952	2	146,393	2	159,834	2	173,275	2	186,716	2		2		2		2		2	
1/4	133,232	1/4	146,673	1/4	160,114	1/4	173,555	1/4	186,996	1/4		1/4		1/4		1/4		1/4	
1/2	133,512	1/2	146,953	1/2	160,394	1/2	173,835	1/2	187,276	1/2		1/2		1/2		1/2		1/2	
3/4	133,792	3/4	147,233	3/4	160,674	3/4	174,115	3/4	187,556	3/4		3/4		3/4		3/4		3/4	
3	134,072	3	147,513	3	160,954	3	174,395	3	187,836	3		3		3		3		3	
1/4	134,352	1/4	147,793	1/4	161,234	1/4	174,675	1/4	188,092	1/4		1/4		1/4		1/4		1/4	
1/2	134,632	1/2	148,073	1/2	161,514	1/2	174,955	1/2	188,349	1/2		1/2		1/2		1/2		1/2	
3/4	134,912	3/4	148,353	3/4	161,794	3/4	175,235	3/4	188,606	3/4		3/4		3/4		3/4		3/4	
4	135,192	4	148,633	4	162,074	4	175,515	4	188,863	4		4		4		4		4	
1/4	135,472	1/4	148,913	1/4	162,354	1/4	175,795	1/4	189,073	1/4		1/4		1/4		1/4		1/4	
1/2	135,752	1/2	149,193	1/2	162,634	1/2	176,075	1/2	189,283	1/2		1/2		1/2		1/2		1/2	
3/4	136,032	3/4	149,473	3/4	162,914	3/4	176,355	3/4	189,493	3/4		3/4		3/4		3/4		3/4	
5	136,312	5	149,753	5	163,194	5	176,635	5	189,703	5		5		5		5		5	
1/4	136,592	1/4	150,033	1/4	163,474	1/4	176,915	1/4	189,866	1/4		1/4		1/4		1/4		1/4	
1/2	136,872	1/2	150,313	1/2	163,754	1/2	177,195	1/2	190,029	1/2		1/2		1/2		1/2		1/2	
3/4	137,152	3/4	150,593	3/4	164,034	3/4	177,475	3/4	190,193	3/4		3/4		3/4		3/4		3/4	
6	137,432	6	150,873	6	164,314	6	177,755	6	190,356	6		6		6		6		6	
1/4	137,712	1/4	151,153	1/4	164,594	1/4	178,035	1/4	190,473	1/4		1/4		1/4		1/4		1/4	
1/2	137,992	1/2	151,433	1/2	164,874	1/2	178,315	1/2	190,589	1/2		1/2		1/2		1/2		1/2	
3/4	138,272	3/4	151,713	3/4	165,154	3/4	178,595	3/4	190,706	3/4		3/4		3/4		3/4		3/4	
7	138,552	7	151,993	7	165,434	7	178,875	7	190,823	7		7		7		7		7	
1/4	138,832	1/4	152,273	1/4	165,714	1/4	179,155	1/4	190,893	1/4		1/4		1/4		1/4		1/4	
1/2	139,112	1/2	152,553	1/2	165,994	1/2	179,435	1/2	190,963	1/2		1/2		1/2		1/2		1/2	
3/4	139,392	3/4	152,833	3/4	166,274	3/4	179,715	3/4	191,033	3/4		3/4		3/4		3/4		3/4	
8	139,672	8	153,114	8	166,554	8	179,995	8	191,103	8		8		8		8		8	
1/4	139,952	1/4	153,394	1/4	166,834	1/4	180,275	1/4	191,126	1/4		1/4		1/4		1/4		1/4	
1/2	140,232	1/2	153,674	1/2	167,114	1/2	180,555	1/2	191,149	1/2		1/2		1/2		1/2		1/2	
3/4	140,512	3/4	153,954	3/4	167,394	3/4	180,835	3/4		3/4		3/4		3/4		3/4		3/4	
9	140,792	9	154,234	9	167,674	9	181,115	9		9		9		9		9		9	
1/4	141,072	1/4	154,514	1/4	167,954	1/4	181,395	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	141,352	1/2	154,794	1/2	168,235	1/2	181,675	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	141,632	3/4	155,074	3/4	168,515	3/4	181,955	3/4		3/4		3/4		3/4		3/4		3/4	
10	141,912	10	155,354	10	168,795	10	182,235	10		10		10		10		10		10	
1/4	142,192	1/4	155,634	1/4	169,075	1/4	182,515	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	142,472	1/2	155,914	1/2	169,355	1/2	182,795	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	142,752	3/4	156,194	3/4	169,635	3/4	183,076	3/4		3/4		3/4		3/4		3/4		3/4	
11	143,032	11	156,474	11	169,915	11	183,356	11		11		11		11		11		11	
1/4	143,312	1/4	156,754	1/4	170,195	1/4	183,636	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	143,592	1/2	157,034	1/2	170,475	1/2	183,916	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	143,872	3/4	157,314	3/4	170,755	3/4	184,196	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/23/2019 SW - JS
CALCULATED: 07/23/2019 CL
PRINTED: 07/23/2019 SW

PRECISION MEASUREMENT
& ANALYSIS, INC.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019



BARGE "CBC 1414"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 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	8,979	0	20,957	0	32,921	0	44,887	0	56,866	0	68,844	0	80,822	0	92,800	0	104,779
1/4	60	1/4	9,229	1/4	21,206	1/4	33,169	1/4	45,137	1/4	57,115	1/4	69,093	1/4	81,072	1/4	93,050	1/4	105,028
1/2	81	1/2	9,478	1/2	21,456	1/2	33,418	1/2	45,386	1/2	57,365	1/2	69,343	1/2	81,321	1/2	93,300	1/2	105,278
3/4	102	3/4	9,728	3/4	21,706	3/4	33,667	3/4	45,636	3/4	57,614	3/4	69,593	3/4	81,571	3/4	93,549	3/4	105,527
1	123	1	9,977	1	21,955	1	33,916	1	45,886	1	57,864	1	69,842	1	81,820	1	93,799	1	105,777
1/4	185	1/4	10,227	1/4	22,205	1/4	34,165	1/4	46,135	1/4	58,113	1/4	70,092	1/4	82,070	1/4	94,048	1/4	106,026
1/2	247	1/2	10,476	1/2	22,454	1/2	34,414	1/2	46,385	1/2	58,363	1/2	70,341	1/2	82,319	1/2	94,298	1/2	106,276
3/4	310	3/4	10,726	3/4	22,704	3/4	34,662	3/4	46,634	3/4	58,612	3/4	70,591	3/4	82,569	3/4	94,547	3/4	106,526
2	372	2	10,975	2	22,953	2	34,911	2	46,884	2	58,862	2	70,840	2	82,819	2	94,797	2	106,775
1/4	476	1/4	11,225	1/4	23,203	1/4	35,160	1/4	47,133	1/4	59,112	1/4	71,090	1/4	83,068	1/4	95,046	1/4	107,025
1/2	580	1/2	11,474	1/2	23,452	1/2	35,409	1/2	47,383	1/2	59,361	1/2	71,339	1/2	83,318	1/2	95,296	1/2	107,274
3/4	684	3/4	11,724	3/4	23,702	3/4	35,658	3/4	47,632	3/4	59,611	3/4	71,589	3/4	83,567	3/4	95,545	3/4	107,524
3	788	3	11,974	3	23,951	3	35,907	3	47,882	3	59,860	3	71,838	3	83,817	3	95,795	3	107,773
1/4	934	1/4	12,223	1/4	24,201	1/4	36,155	1/4	48,131	1/4	60,110	1/4	72,088	1/4	84,066	1/4	96,045	1/4	108,023
1/2	1,079	1/2	12,473	1/2	24,450	1/2	36,404	1/2	48,381	1/2	60,359	1/2	72,338	1/2	84,316	1/2	96,294	1/2	108,272
3/4	1,225	3/4	12,722	3/4	24,700	3/4	36,653	3/4	48,631	3/4	60,609	3/4	72,587	3/4	84,565	3/4	96,544	3/4	108,522
4	1,370	4	12,972	4	24,950	4	36,902	4	48,880	4	60,858	4	72,837	4	84,815	4	96,793	4	108,771
1/4	1,557	1/4	13,221	1/4	25,199	1/4	37,151	1/4	49,130	1/4	61,108	1/4	73,086	1/4	85,064	1/4	97,043	1/4	109,021
1/2	1,744	1/2	13,471	1/2	25,449	1/2	37,401	1/2	49,379	1/2	61,357	1/2	73,336	1/2	85,314	1/2	97,292	1/2	109,271
3/4	1,932	3/4	13,720	3/4	25,698	3/4	37,650	3/4	49,629	3/4	61,607	3/4	73,585	3/4	85,564	3/4	97,542	3/4	109,520
5	2,119	5	13,970	5	25,948	5	37,900	5	49,878	5	61,857	5	73,835	5	85,813	5	97,791	5	109,770
1/4	2,347	1/4	14,219	1/4	26,197	1/4	38,150	1/4	50,128	1/4	62,106	1/4	74,084	1/4	86,063	1/4	98,041	1/4	110,019
1/2	2,575	1/2	14,469	1/2	26,447	1/2	38,399	1/2	50,377	1/2	62,356	1/2	74,334	1/2	86,312	1/2	98,290	1/2	110,269
3/4	2,803	3/4	14,718	3/4	26,696	3/4	38,649	3/4	50,627	3/4	62,605	3/4	74,583	3/4	86,562	3/4	98,540	3/4	110,518
6	3,031	6	14,968	6	26,946	6	38,898	6	50,876	6	62,855	6	74,833	6	86,811	6	98,790	6	110,768
1/4	3,276	1/4	15,218	1/4	27,195	1/4	39,148	1/4	51,126	1/4	63,104	1/4	75,083	1/4	87,061	1/4	99,039	1/4	111,017
1/2	3,520	1/2	15,467	1/2	27,444	1/2	39,397	1/2	51,376	1/2	63,354	1/2	75,332	1/2	87,310	1/2	99,289	1/2	111,267
3/4	3,765	3/4	15,717	3/4	27,693	3/4	39,647	3/4	51,625	3/4	63,603	3/4	75,582	3/4	87,560	3/4	99,538	3/4	111,517
7	4,009	7	15,966	7	27,943	7	39,896	7	51,875	7	63,853	7	75,831	7	87,809	7	99,788	7	111,766
1/4	4,256	1/4	16,216	1/4	28,192	1/4	40,146	1/4	52,124	1/4	64,102	1/4	76,081	1/4	88,059	1/4	100,037	1/4	112,016
1/2	4,503	1/2	16,465	1/2	28,441	1/2	40,395	1/2	52,374	1/2	64,352	1/2	76,330	1/2	88,309	1/2	100,287	1/2	112,265
3/4	4,750	3/4	16,715	3/4	28,690	3/4	40,645	3/4	52,623	3/4	64,602	3/4	76,580	3/4	88,558	3/4	100,536	3/4	112,515
8	4,996	8	16,964	8	28,939	8	40,895	8	52,873	8	64,851	8	76,829	8	88,808	8	100,786	8	112,764
1/4	5,244	1/4	17,214	1/4	29,188	1/4	41,144	1/4	53,122	1/4	65,101	1/4	77,079	1/4	89,057	1/4	101,036	1/4	113,014
1/2	5,492	1/2	17,463	1/2	29,437	1/2	41,394	1/2	53,372	1/2	65,350	1/2	77,329	1/2	89,307	1/2	101,285	1/2	113,263
3/4	5,740	3/4	17,713	3/4	29,686	3/4	41,643	3/4	53,622	3/4	65,600	3/4	77,578	3/4	89,556	3/4	101,535	3/4	113,513
9	5,988	9	17,962	9	29,935	9	41,893	9	53,871	9	65,849	9	77,828	9	89,806	9	101,784	9	113,762
1/4	6,237	1/4	18,212	1/4	30,183	1/4	42,142	1/4	54,121	1/4	66,099	1/4	78,077	1/4	90,055	1/4	102,034	1/4	114,012
1/2	6,486	1/2	18,462	1/2	30,432	1/2	42,392	1/2	54,370	1/2	66,348	1/2	78,327	1/2	90,305	1/2	102,283	1/2	114,262
3/4	6,735	3/4	18,711	3/4	30,681	3/4	42,641	3/4	54,620	3/4	66,598	3/4	78,576	3/4	90,555	3/4	102,533	3/4	114,511
10	6,984	10	18,961	10	30,930	10	42,891	10	54,869	10	66,848	10	78,826	10	90,804	10	102,782	10	114,761
1/4	7,233	1/4	19,210	1/4	31,179	1/4	43,141	1/4	55,119	1/4	67,097	1/4	79,075	1/4	91,054	1/4	103,032	1/4	115,010
1/2	7,482	1/2	19,460	1/2	31,428	1/2	43,390	1/2	55,368	1/2	67,347	1/2	79,325	1/2	91,303	1/2	103,281	1/2	115,260
3/4	7,732	3/4	19,709	3/4	31,676	3/4	43,640	3/4	55,618	3/4	67,596	3/4	79,574	3/4	91,553	3/4	103,531	3/4	115,509
11	7,981	11	19,959	11	31,925	11	43,889	11	55,867	11	67,846	11	79,824	11	91,802	11	103,781	11	115,759
1/4	8,231	1/4	20,208	1/4	32,174	1/4	44,139	1/4	56,117	1/4	68,095	1/4	80,074	1/4	92,052	1/4	104,030	1/4	116,008
1/2	8,480	1/2	20,458	1/2	32,423	1/2	44,388	1/2	56,367	1/2	68,345	1/2	80,323	1/2	92,301	1/2	104,280	1/2	116,258
3/4	8,730	3/4	20,707	3/4	32,672	3/4	44,638	3/4	56,616	3/4	68,594	3/4	80,573	3/4	92,551	3/4	104,529	3/4	116,507

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 1414"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 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	116,757	0	128,735	0	140,714	0	152,692	0	164,670	0		0		0		0		0	
1/4	117,007	1/4	128,985	1/4	140,963	1/4	152,941	1/4	164,920	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	117,256	1/2	129,234	1/2	141,213	1/2	153,191	1/2	165,169	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	117,506	3/4	129,484	3/4	141,462	3/4	153,440	3/4	165,419	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	117,755	1	129,733	1	141,712	1	153,690	1	165,668	1	1	1	1	1	1	1	1	1	1
1/4	118,005	1/4	129,983	1/4	141,961	1/4	153,940	1/4	165,918	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	118,254	1/2	130,233	1/2	142,211	1/2	154,189	1/2	166,167	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	118,504	3/4	130,482	3/4	142,460	3/4	154,439	3/4	166,417	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	118,753	2	130,732	2	142,710	2	154,688	2	166,666	2	2	2	2	2	2	2	2	2	2
1/4	119,003	1/4	130,981	1/4	142,959	1/4	154,938	1/4	166,916	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	119,252	1/2	131,231	1/2	143,209	1/2	155,187	1/2	167,166	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	119,502	3/4	131,480	3/4	143,459	3/4	155,437	3/4	167,415	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	119,752	3	131,730	3	143,708	3	155,686	3	167,665	3	3	3	3	3	3	3	3	3	3
1/4	120,001	1/4	131,979	1/4	143,958	1/4	155,936	1/4	167,893	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	120,251	1/2	132,229	1/2	144,207	1/2	156,185	1/2	168,122	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	120,500	3/4	132,478	3/4	144,457	3/4	156,435	3/4	168,351	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	120,750	4	132,728	4	144,706	4	156,685	4	168,580	4	4	4	4	4	4	4	4	4	4
1/4	120,999	1/4	132,978	1/4	144,956	1/4	156,934	1/4	168,767	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	121,249	1/2	133,227	1/2	145,205	1/2	157,184	1/2	168,954	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	121,498	3/4	133,477	3/4	145,455	3/4	157,433	3/4	169,141	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	121,748	5	133,726	5	145,704	5	157,683	5	169,328	5	5	5	5	5	5	5	5	5	5
1/4	121,997	1/4	133,976	1/4	145,954	1/4	157,932	1/4	169,474	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	122,247	1/2	134,225	1/2	146,204	1/2	158,182	1/2	169,619	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	122,497	3/4	134,475	3/4	146,453	3/4	158,431	3/4	169,765	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	122,746	6	134,724	6	146,703	6	158,681	6	169,911	6	6	6	6	6	6	6	6	6	6
1/4	122,996	1/4	134,974	1/4	146,952	1/4	158,931	1/4	170,015	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	123,245	1/2	135,224	1/2	147,202	1/2	159,180	1/2	170,119	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	123,495	3/4	135,473	3/4	147,451	3/4	159,430	3/4	170,222	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	123,744	7	135,723	7	147,701	7	159,679	7	170,326	7	7	7	7	7	7	7	7	7	7
1/4	123,994	1/4	135,972	1/4	147,950	1/4	159,929	1/4	170,389	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	124,243	1/2	136,222	1/2	148,200	1/2	160,178	1/2	170,451	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	124,493	3/4	136,471	3/4	148,450	3/4	160,428	3/4	170,514	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	124,743	8	136,721	8	148,699	8	160,677	8	170,576	8	8	8	8	8	8	8	8	8	8
1/4	124,992	1/4	136,970	1/4	148,949	1/4	160,927	1/4	170,597	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	125,242	1/2	137,220	1/2	149,198	1/2	161,176	1/2	170,618	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	125,491	3/4	137,469	3/4	149,448	3/4	161,426	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	125,741	9	137,719	9	149,697	9	161,676	9		9	9	9	9	9	9	9	9	9	9
1/4	125,990	1/4	137,969	1/4	149,947	1/4	161,925	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	126,240	1/2	138,218	1/2	150,196	1/2	162,175	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	126,489	3/4	138,468	3/4	150,446	3/4	162,424	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	126,739	10	138,717	10	150,695	10	162,674	10		10	10	10	10	10	10	10	10	10	10
1/4	126,988	1/4	138,967	1/4	150,945	1/4	162,923	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	127,238	1/2	139,216	1/2	151,195	1/2	163,173	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	127,488	3/4	139,466	3/4	151,444	3/4	163,422	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	127,737	11	139,715	11	151,694	11	163,672	11		11	11	11	11	11	11	11	11	11	11
1/4	127,987	1/4	139,965	1/4	151,943	1/4	163,921	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	128,236	1/2	140,214	1/2	152,193	1/2	164,171	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	128,486	3/4	140,464	3/4	152,442	3/4	164,421	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: 07/23/2019 SW - JS
CALCULATED: 07/23/2019 CL
PRINTED: 07/23/2019 SW

PRECISION MEASUREMENT
& ANALYSIS, INC.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019



BARGE "CBC 1414"

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	- 00-3/8	00-3/8	- 00-3/4	00-3/4	- 01-1/8	01-1/8	- 01-1/2	01-1/2	- 01-7/8	01-7/8	- 02-1/4	02-1/4
2 CENTER	00-1/8	- 00-1/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-3/4	- 00-3/4	00-7/8	- 00-7/8	01-1/8	- 01-1/8
3 CENTER	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4

(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 00-3/4"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED ULLAGE IS 4'-00 3/4"

LENGTH BETWEEN DRAFT MARKS: 176'-06"

July 23, 2019

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 1414"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	0	0	0	151,404	0	143,996	0	135,877	0	127,758	0	119,648	0	109,023	0	97,438	0	85,854
1/4	1/4	1/4	1/4	1/4	151,384	1/4	143,826	1/4	135,708	1/4	127,589	1/4	119,479	1/4	108,781	1/4	97,197	1/4	85,613
1/2	1/2	1/2	1/2	1/2	151,323	1/2	143,657	1/2	135,538	1/2	127,420	1/2	119,311	1/2	108,540	1/2	96,956	1/2	85,371
3/4	3/4	3/4	3/4	3/4	151,263	3/4	143,488	3/4	135,369	3/4	127,251	3/4	119,142	3/4	108,299	3/4	96,714	3/4	85,130
1	1	1	1	1	151,202	1	143,319	1	135,200	1	127,081	1	118,973	1	108,057	1	96,473	1	84,889
1/4	1/4	1/4	1/4	1/4	151,142	1/4	143,150	1/4	135,031	1/4	126,912	1/4	118,805	1/4	107,816	1/4	96,232	1/4	84,647
1/2	1/2	1/2	1/2	1/2	151,041	1/2	142,981	1/2	134,862	1/2	126,743	1/2	118,636	1/2	107,575	1/2	95,990	1/2	84,406
3/4	3/4	3/4	3/4	3/4	150,940	3/4	142,812	3/4	134,693	3/4	126,574	3/4	118,468	3/4	107,333	3/4	95,749	3/4	84,165
2	2	2	2	2	150,840	2	142,642	2	134,524	2	126,405	2	118,299	2	107,092	2	95,508	2	83,923
1/4	1/4	1/4	1/4	1/4	150,739	1/4	142,473	1/4	134,354	1/4	126,236	1/4	118,131	1/4	106,851	1/4	95,266	1/4	83,682
1/2	1/2	1/2	1/2	1/2	150,598	1/2	142,304	1/2	134,185	1/2	126,067	1/2	117,963	1/2	106,609	1/2	95,025	1/2	83,441
3/4	3/4	3/4	3/4	3/4	150,457	3/4	142,135	3/4	134,016	3/4	125,897	3/4	117,794	3/4	106,368	3/4	94,784	3/4	83,199
3	3	3	3	3	150,316	3	141,966	3	133,847	3	125,728	3	117,626	3	106,127	3	94,542	3	82,958
1/4	1/4	1/4	1/4	1/4	150,175	1/4	141,797	1/4	133,678	1/4	125,559	1/4	117,458	1/4	105,885	1/4	94,301	1/4	82,716
1/2	1/2	1/2	1/2	1/2	149,993	1/2	141,628	1/2	133,509	1/2	125,390	1/2	117,217	1/2	105,644	1/2	94,060	1/2	82,476
3/4	3/4	3/4	3/4	3/4	149,812	3/4	141,458	3/4	133,340	3/4	125,221	3/4	116,977	3/4	105,403	3/4	93,818	3/4	82,235
4	4	4	4	4	149,630	4	141,289	4	133,171	4	125,052	4	116,736	4	105,161	4	93,577	4	81,995
1/4	1/4	1/4	1/4	1/4	149,449	1/4	141,120	1/4	133,001	1/4	124,883	1/4	116,495	1/4	104,920	1/4	93,336	1/4	81,754
1/2	1/2	1/2	1/2	1/2	149,227	1/2	140,951	1/2	132,832	1/2	124,713	1/2	116,254	1/2	104,679	1/2	93,094	1/2	81,514
3/4	3/4	3/4	3/4	3/4	149,006	3/4	140,782	3/4	132,663	3/4	124,544	3/4	116,014	3/4	104,437	3/4	92,853	3/4	81,274
5	5	5	5	5	148,784	5	140,613	5	132,494	5	124,375	5	115,773	5	104,196	5	92,612	5	81,034
1/4	1/4	1/4	1/4	1/4	148,562	1/4	140,444	1/4	132,325	1/4	124,206	1/4	115,532	1/4	103,954	1/4	92,370	1/4	80,795
1/2	1/2	1/2	1/2	1/2	148,393	1/2	140,274	1/2	132,156	1/2	124,037	1/2	115,291	1/2	103,713	1/2	92,129	1/2	80,555
3/4	3/4	3/4	3/4	3/4	148,224	3/4	140,105	3/4	131,987	3/4	123,868	3/4	115,050	3/4	103,472	3/4	91,888	3/4	80,315
6	6	6	6	6	148,055	6	139,936	6	131,817	6	123,699	6	114,810	6	103,230	6	91,646	6	80,075
1/4	1/4	1/4	1/4	1/4	147,886	1/4	139,767	1/4	131,648	1/4	123,529	1/4	114,569	1/4	102,989	1/4	91,405	1/4	79,835
1/2	1/2	1/2	1/2	1/2	147,717	1/2	139,598	1/2	131,479	1/2	123,360	1/2	114,328	1/2	102,748	1/2	91,164	1/2	79,595
3/4	3/4	3/4	3/4	3/4	147,547	3/4	139,429	3/4	131,310	3/4	123,191	3/4	114,087	3/4	102,506	3/4	90,922	3/4	79,355
7	7	7	7	7	147,378	7	139,260	7	131,141	7	123,022	7	113,847	7	102,265	7	90,681	7	79,115
1/4	1/4	1/4	1/4	1/4	147,209	1/4	139,090	1/4	130,972	1/4	122,853	1/4	113,606	1/4	102,024	1/4	90,440	1/4	78,875
1/2	1/2	1/2	1/2	1/2	147,040	1/2	138,921	1/2	130,803	1/2	122,684	1/2	113,365	1/2	101,782	1/2	90,198	1/2	78,635
3/4	3/4	3/4	3/4	3/4	146,871	3/4	138,752	3/4	130,633	3/4	122,515	3/4	113,124	3/4	101,541	3/4	89,957	3/4	78,395
8	8	8	8	8	146,702	8	138,583	8	130,464	8	122,346	8	112,883	8	101,300	8	89,716	8	78,156
1/4	1/4	1/4	1/4	1/4	146,533	1/4	138,414	1/4	130,295	1/4	122,176	1/4	112,643	1/4	101,058	1/4	89,474	1/4	77,916
1/2	1/2	1/2	1/2	1/2	146,363	1/2	138,245	1/2	130,126	1/2	122,008	1/2	112,401	1/2	100,817	1/2	89,233	1/2	77,676
3/4	3/4	3/4	3/4	3/4	146,194	3/4	138,076	3/4	129,957	3/4	121,839	3/4	112,160	3/4	100,576	3/4	88,991	3/4	77,436
9	9	9	9	9	146,025	9	137,906	9	129,788	9	121,671	9	111,919	9	100,334	9	88,750	9	77,196
1/4	1/4	1/4	1/4	1/4	145,856	1/4	137,737	1/4	129,619	1/4	121,502	1/4	111,677	1/4	100,093	1/4	88,509	1/4	76,956
1/2	1/2	1/2	1/2	1/2	145,687	1/2	137,568	1/2	129,449	1/2	121,333	1/2	111,436	1/2	99,852	1/2	88,267	1/2	76,716
3/4	3/4	3/4	3/4	3/4	145,518	3/4	137,399	3/4	129,280	3/4	121,165	3/4	111,195	3/4	99,610	3/4	88,026	3/4	76,476
10	10	10	10	10	145,349	10	137,230	10	129,111	10	120,996	10	110,953	10	99,369	10	87,785	10	76,236
1/4	1/4	1/4	1/4	1/4	145,179	1/4	137,061	1/4	128,942	1/4	120,828	1/4	110,712	1/4	99,128	1/4	87,543	1/4	75,997
1/2	1/2	1/2	1/2	1/2	145,010	1/2	136,892	1/2	128,773	1/2	120,659	1/2	110,471	1/2	98,886	1/2	87,302	1/2	75,757
3/4	3/4	3/4	3/4	3/4	144,841	3/4	136,722	3/4	128,604	3/4	120,491	3/4	110,229	3/4	98,645	3/4	87,061	3/4	75,517
11	11	11	11	11	144,672	11	136,553	11	128,435	11	120,322	11	109,988	11	98,404	11	86,819	11	75,277
1/4	1/4	1/4	1/4	1/4	144,503	1/4	136,384	1/4	128,265	1/4	120,153	1/4	109,747	1/4	98,162	1/4	86,578	1/4	75,037
1/2	1/2	1/2	1/2	1/2	144,334	1/2	136,215	1/2	128,096	1/2	119,985	1/2	109,505	1/2	97,921	1/2	86,337	1/2	74,796
3/4	3/4	3/4	3/4	3/4	151,424	3/4	144,165	3/4	136,046	3/4	127,927	3/4	119,816	3/4	109,264	3/4	97,680	3/4	86,095

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'-03" 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 1414"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 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	74,315	0	62,741	0	51,161	0	39,581	0	28,224	0	16,682	0	5,083	0		0		0	
1/4	74,074	1/4	62,499	1/4	50,920	1/4	39,340	1/4	27,989	1/4	16,441	1/4	4,843	1/4	1/4	1/4		1/4	
1/2	73,834	1/2	62,258	1/2	50,678	1/2	39,099	1/2	27,755	1/2	16,199	1/2	4,603	1/2	1/2	1/2		1/2	
3/4	73,593	3/4	62,017	3/4	50,437	3/4	38,857	3/4	27,521	3/4	15,957	3/4	4,364	3/4	3/4	3/4		3/4	
1	73,352	1	61,776	1	50,196	1	38,616	1	27,286	1	15,715	1	4,125	1	1	1		1	
1/4	73,112	1/4	61,534	1/4	49,955	1/4	38,375	1/4	27,052	1/4	15,473	1/4	3,886	1/4	1/4	1/4		1/4	
1/2	72,871	1/2	61,293	1/2	49,713	1/2	38,134	1/2	26,817	1/2	15,232	1/2	3,649	1/2	1/2	1/2		1/2	
3/4	72,630	3/4	61,052	3/4	49,472	3/4	37,892	3/4	26,583	3/4	14,990	3/4	3,412	3/4	3/4	3/4		3/4	
2	72,390	2	60,811	2	49,231	2	37,651	2	26,348	2	14,748	2	3,175	2	2	2		2	
1/4	72,149	1/4	60,569	1/4	48,990	1/4	37,410	1/4	26,114	1/4	14,506	1/4	2,938	1/4	1/4	1/4		1/4	
1/2	71,908	1/2	60,328	1/2	48,748	1/2	37,169	1/2	25,872	1/2	14,264	1/2	2,717	1/2	1/2	1/2		1/2	
3/4	71,667	3/4	60,087	3/4	48,507	3/4	36,927	3/4	25,630	3/4	14,022	3/4	2,496	3/4	3/4	3/4		3/4	
3	71,425	3	59,846	3	48,266	3	36,686	3	25,388	3	13,781	3	2,275	3	3	3		3	
1/4	71,184	1/4	59,604	1/4	48,025	1/4	36,445	1/4	25,146	1/4	13,539	1/4	2,054	1/4	1/4	1/4		1/4	
1/2	70,943	1/2	59,363	1/2	47,783	1/2	36,204	1/2	24,905	1/2	13,297	1/2	1,873	1/2	1/2	1/2		1/2	
3/4	70,702	3/4	59,122	3/4	47,542	3/4	35,962	3/4	24,663	3/4	13,055	3/4	1,691	3/4	3/4	3/4		3/4	
4	70,460	4	58,881	4	47,301	4	35,721	4	24,421	4	12,813	4	1,510	4	4	4		4	
1/4	70,219	1/4	58,639	1/4	47,060	1/4	35,480	1/4	24,179	1/4	12,571	1/4	1,329	1/4	1/4	1/4		1/4	
1/2	69,978	1/2	58,398	1/2	46,818	1/2	35,246	1/2	23,937	1/2	12,330	1/2	1,188	1/2	1/2	1/2		1/2	
3/4	69,737	3/4	58,157	3/4	46,577	3/4	35,012	3/4	23,695	3/4	12,088	3/4	1,047	3/4	3/4	3/4		3/4	
5	69,495	5	57,916	5	46,336	5	34,778	5	23,454	5	11,846	5	906	5	5	5		5	
1/4	69,254	1/4	57,674	1/4	46,095	1/4	34,544	1/4	23,212	1/4	11,604	1/4	765	1/4	1/4	1/4		1/4	
1/2	69,013	1/2	57,433	1/2	45,853	1/2	34,309	1/2	22,970	1/2	11,362	1/2	664	1/2	1/2	1/2		1/2	
3/4	68,772	3/4	57,192	3/4	45,612	3/4	34,075	3/4	22,728	3/4	11,120	3/4	563	3/4	3/4	3/4		3/4	
6	68,530	6	56,951	6	45,371	6	33,841	6	22,486	6	10,879	6	462	6	6	6		6	
1/4	68,289	1/4	56,709	1/4	45,130	1/4	33,607	1/4	22,244	1/4	10,637	1/4	361	1/4	1/4	1/4		1/4	
1/2	68,048	1/2	56,468	1/2	44,888	1/2	33,373	1/2	22,003	1/2	10,395	1/2	301	1/2	1/2	1/2		1/2	
3/4	67,807	3/4	56,227	3/4	44,647	3/4	33,139	3/4	21,761	3/4	10,153	3/4	241	3/4	3/4	3/4		3/4	
7	67,565	7	55,986	7	44,406	7	32,905	7	21,519	7	9,911	7	180	7	7	7		7	
1/4	67,324	1/4	55,744	1/4	44,165	1/4	32,671	1/4	21,277	1/4	9,669	1/4	120	1/4	1/4	1/4		1/4	
1/2	67,083	1/2	55,503	1/2	43,923	1/2	32,437	1/2	21,035	1/2	9,428	1/2	100	1/2	1/2	1/2		1/2	
3/4	66,842	3/4	55,262	3/4	43,682	3/4	32,203	3/4	20,794	3/4	9,186	3/4	79	3/4	3/4	3/4		3/4	
8	66,600	8	55,021	8	43,441	8	31,969	8	20,552	8	8,944	8	59	8	8	8		8	
1/4	66,359	1/4	54,779	1/4	43,200	1/4	31,735	1/4	20,310	1/4	8,702	1/4	39	1/4	1/4	1/4		1/4	
1/2	66,118	1/2	54,538	1/2	42,958	1/2	31,501	1/2	20,068	1/2	8,460	1/2		1/2	1/2	1/2		1/2	
3/4	65,877	3/4	54,297	3/4	42,717	3/4	31,266	3/4	19,826	3/4	8,219	3/4		3/4	3/4	3/4		3/4	
9	65,635	9	54,056	9	42,476	9	31,032	9	19,584	9	7,977	9		9	9	9		9	
1/4	65,394	1/4	53,814	1/4	42,235	1/4	30,798	1/4	19,343	1/4	7,735	1/4		1/4	1/4	1/4		1/4	
1/2	65,153	1/2	53,573	1/2	41,993	1/2	30,564	1/2	19,101	1/2	7,493	1/2		1/2	1/2	1/2		1/2	
3/4	64,912	3/4	53,332	3/4	41,752	3/4	30,330	3/4	18,859	3/4	7,252	3/4		3/4	3/4	3/4		3/4	
10	64,670	10	53,091	10	41,511	10	30,096	10	18,617	10	7,010	10		10	10	10		10	
1/4	64,429	1/4	52,849	1/4	41,270	1/4	29,862	1/4	18,375	1/4	6,769	1/4		1/4	1/4	1/4		1/4	
1/2	64,188	1/2	52,608	1/2	41,028	1/2	29,628	1/2	18,133	1/2	6,527	1/2		1/2	1/2	1/2		1/2	
3/4	63,947	3/4	52,367	3/4	40,787	3/4	29,394	3/4	17,892	3/4	6,286	3/4		3/4	3/4	3/4		3/4	
11	63,706	11	52,126	11	40,546	11	29,160	11	17,650	11	6,045	11		11	11	11		11	
1/4	63,464	1/4	51,885	1/4	40,305	1/4	28,926	1/4	17,408	1/4	5,804	1/4		1/4	1/4	1/4		1/4	
1/2	63,223	1/2	51,643	1/2	40,063	1/2	28,692	1/2	17,166	1/2	5,564	1/2		1/2	1/2	1/2		1/2	
3/4	62,982	3/4	51,402	3/4	39,822	3/4	28,458	3/4	16,924	3/4	5,323	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/23/2019 SW - JS
CALCULATED: 07/23/2019 CL
PRINTED: 07/23/2019 SW

PRECISION MEASUREMENT
& ANALYSIS, INC.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019



BARGE "CBC 1414"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0	191,032	0	179,715	0	166,274	0	152,833	0	139,392	0	125,951	0	112,510	0	99,070
1/4	1/4	1/4	1/4	190,962	179,435	178,875	165,994	152,553	139,112	125,671	112,230	98,790							
1/2	1/2	1/2	1/2	190,892	179,155	178,875	165,714	152,273	138,832	125,391	111,950	98,510							
3/4	3/4	3/4	3/4	190,822	178,875	165,434	151,993	138,552	125,111	111,670	98,230								
1	1	1	1	190,706	178,595	165,154	151,713	138,272	124,831	111,390	97,950								
1/4	1/4	1/4	1/4	190,589	178,315	164,874	151,433	137,992	124,551	111,110	97,669								
1/2	1/2	1/2	1/2	190,472	178,035	164,594	151,153	137,712	124,271	110,830	97,389								
3/4	3/4	3/4	3/4	190,356	177,755	164,314	150,873	137,432	123,991	110,550	97,109								
2	2	2	2	190,192	177,475	164,034	150,593	137,152	123,711	110,270	96,829								
1/4	1/4	1/4	1/4	190,029	177,195	163,754	150,313	136,872	123,431	109,990	96,549								
1/2	1/2	1/2	1/2	189,866	176,915	163,474	150,033	136,592	123,151	109,710	96,269								
3/4	3/4	3/4	3/4	189,702	176,635	163,194	149,753	136,312	122,871	109,430	95,989								
3	3	3	3	189,492	176,355	162,914	149,473	136,032	122,591	109,150	95,709								
1/4	1/4	1/4	1/4	189,282	176,075	162,634	149,193	135,752	122,311	108,870	95,429								
1/2	1/2	1/2	1/2	189,072	175,795	162,354	148,913	135,472	122,031	108,590	95,149								
3/4	3/4	3/4	3/4	188,862	175,515	162,074	148,633	135,192	121,751	108,310	94,869								
4	4	4	4	188,606	175,235	161,794	148,353	134,912	121,471	108,030	94,589								
1/4	1/4	1/4	1/4	188,349	174,955	161,514	148,073	134,632	121,191	107,750	94,309								
1/2	1/2	1/2	1/2	188,092	174,675	161,234	147,793	134,352	120,911	107,470	94,029								
3/4	3/4	3/4	3/4	187,835	174,395	160,954	147,513	134,072	120,631	107,190	93,749								
5	5	5	5	187,555	174,115	160,674	147,233	133,792	120,351	106,910	93,469								
1/4	1/4	1/4	1/4	187,275	173,835	160,394	146,953	133,512	120,071	106,630	93,189								
1/2	1/2	1/2	1/2	186,995	173,555	160,114	146,673	133,232	119,791	106,350	92,909								
3/4	3/4	3/4	3/4	186,715	173,275	159,834	146,393	132,952	119,511	106,070	92,629								
6	6	6	6	186,435	172,995	159,554	146,113	132,672	119,231	105,790	92,349								
1/4	1/4	1/4	1/4	186,155	172,714	159,274	145,833	132,392	118,951	105,510	92,069								
1/2	1/2	1/2	1/2	185,875	172,434	158,994	145,553	132,112	118,671	105,230	91,789								
3/4	3/4	3/4	3/4	185,595	172,154	158,714	145,273	131,832	118,391	104,950	91,509								
7	7	7	7	185,315	171,874	158,434	144,993	131,552	118,111	104,670	91,229								
1/4	1/4	1/4	1/4	185,035	171,594	158,154	144,713	131,272	117,831	104,390	90,949								
1/2	1/2	1/2	1/2	184,755	171,314	157,873	144,433	130,992	117,551	104,110	90,669								
3/4	3/4	3/4	3/4	184,475	171,034	157,593	144,153	130,712	117,271	103,830	90,389								
8	8	8	8	184,195	170,754	157,313	143,873	130,432	116,991	103,550	90,109								
1/4	1/4	1/4	1/4	183,915	170,474	157,033	143,593	130,152	116,711	103,270	89,829								
1/2	1/2	1/2	1/2	183,635	170,194	156,753	143,313	129,872	116,431	102,990	89,549								
3/4	3/4	3/4	3/4	183,355	169,914	156,473	143,033	129,592	116,151	102,710	89,269								
9	9	9	9	183,075	169,634	156,193	142,752	129,312	115,871	102,430	88,989								
1/4	1/4	1/4	1/4	182,795	169,354	155,913	142,472	129,032	115,591	102,150	88,709								
1/2	1/2	1/2	1/2	182,515	169,074	155,633	142,192	128,752	115,311	101,870	88,429								
3/4	3/4	3/4	3/4	182,235	168,794	155,353	141,912	128,472	115,031	101,590	88,149								
10	10	10	10	181,955	168,514	155,073	141,632	128,192	114,751	101,310	87,869								
1/4	1/4	1/4	1/4	181,675	168,234	154,793	141,352	127,912	114,471	101,030	87,589								
1/2	1/2	1/2	1/2	181,395	167,954	154,513	141,072	127,631	114,191	100,750	87,309								
3/4	3/4	3/4	3/4	181,115	167,674	154,233	140,792	127,351	113,911	100,470	87,029								
11	11	11	11	180,835	167,394	153,953	140,512	127,071	113,631	100,190	86,749								
1/4	1/4	191,149	180,555	167,114	153,673	140,232	126,791	113,351	100,910	86,469									
1/2	1/2	191,126	180,275	166,834	153,393	139,952	126,511	113,071	99,630	86,189									
3/4	3/4	191,102	179,995	166,554	153,113	139,672	126,231	112,791	99,350	85,909									

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 36'-00" 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 1414"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 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	85,629	0	72,188	0	58,747	0	45,306	0	32,168	0	18,751	0	5,324	0		0		0	
1/4	85,349	1/4	71,908	1/4	58,467	1/4	45,026	1/4	31,895	1/4	18,471	1/4	5,048	1/4	1/4	1/4		1/4	
1/2	85,069	1/2	71,628	1/2	58,187	1/2	44,746	1/2	31,623	1/2	18,191	1/2	4,771	1/2	1/2	1/2		1/2	
3/4	84,789	3/4	71,348	3/4	57,907	3/4	44,466	3/4	31,351	3/4	17,911	3/4	4,494	3/4	3/4	3/4		3/4	
1	84,509	1	71,068	1	57,627	1	44,186	1	31,071	1	17,631	1	4,219	1	1	1		1	
1/4	84,229	1/4	70,788	1/4	57,347	1/4	43,906	1/4	30,791	1/4	17,351	1/4	3,945	1/4	1/4	1/4		1/4	
1/2	83,949	1/2	70,508	1/2	57,067	1/2	43,626	1/2	30,511	1/2	17,071	1/2	3,671	1/2	1/2	1/2		1/2	
3/4	83,669	3/4	70,228	3/4	56,787	3/4	43,346	3/4	30,231	3/4	16,791	3/4	3,396	3/4	3/4	3/4		3/4	
2	83,389	2	69,948	2	56,507	2	43,066	2	29,951	2	16,511	2	3,140	2	2	2		2	
1/4	83,109	1/4	69,668	1/4	56,227	1/4	42,786	1/4	29,671	1/4	16,231	1/4	2,884	1/4	1/4	1/4		1/4	
1/2	82,829	1/2	69,388	1/2	55,947	1/2	42,506	1/2	29,391	1/2	15,951	1/2	2,628	1/2	1/2	1/2		1/2	
3/4	82,548	3/4	69,108	3/4	55,667	3/4	42,226	3/4	29,111	3/4	15,671	3/4	2,372	3/4	3/4	3/4		3/4	
3	82,268	3	68,828	3	55,387	3	41,954	3	28,831	3	15,391	3	2,162	3	3	3		3	
1/4	81,988	1/4	68,548	1/4	55,107	1/4	41,681	1/4	28,551	1/4	15,111	1/4	1,952	1/4	1/4	1/4		1/4	
1/2	81,708	1/2	68,268	1/2	54,827	1/2	41,409	1/2	28,271	1/2	14,831	1/2	1,742	1/2	1/2	1/2		1/2	
3/4	81,428	3/4	67,988	3/4	54,547	3/4	41,137	3/4	27,991	3/4	14,551	3/4	1,532	3/4	3/4	3/4		3/4	
4	81,148	4	67,708	4	54,267	4	40,865	4	27,711	4	14,271	4	1,369	4	4	4		4	
1/4	80,868	1/4	67,427	1/4	53,987	1/4	40,594	1/4	27,431	1/4	13,991	1/4	1,206	1/4	1/4	1/4		1/4	
1/2	80,588	1/2	67,147	1/2	53,707	1/2	40,322	1/2	27,151	1/2	13,711	1/2	1,042	1/2	1/2	1/2		1/2	
3/4	80,308	3/4	66,867	3/4	53,427	3/4	40,050	3/4	26,871	3/4	13,431	3/4	879	3/4	3/4	3/4		3/4	
5	80,028	5	66,587	5	53,147	5	39,778	5	26,591	5	13,151	5	762	5	5	5		5	
1/4	79,748	1/4	66,307	1/4	52,867	1/4	39,506	1/4	26,311	1/4	12,871	1/4	646	1/4	1/4	1/4		1/4	
1/2	79,468	1/2	66,027	1/2	52,587	1/2	39,235	1/2	26,031	1/2	12,590	1/2	529	1/2	1/2	1/2		1/2	
3/4	79,188	3/4	65,747	3/4	52,306	3/4	38,963	3/4	25,751	3/4	12,310	3/4	412	3/4	3/4	3/4		3/4	
6	78,908	6	65,467	6	52,026	6	38,691	6	25,471	6	12,030	6	342	6	6	6		6	
1/4	78,628	1/4	65,187	1/4	51,746	1/4	38,419	1/4	25,191	1/4	11,750	1/4	272	1/4	1/4	1/4		1/4	
1/2	78,348	1/2	64,907	1/2	51,466	1/2	38,147	1/2	24,911	1/2	11,470	1/2	202	1/2	1/2	1/2		1/2	
3/4	78,068	3/4	64,627	3/4	51,186	3/4	37,876	3/4	24,631	3/4	11,190	3/4	132	3/4	3/4	3/4		3/4	
7	77,788	7	64,347	7	50,906	7	37,604	7	24,351	7	10,910	7	109	7	7	7		7	
1/4	77,508	1/4	64,067	1/4	50,626	1/4	37,332	1/4	24,071	1/4	10,630	1/4	86	1/4	1/4	1/4		1/4	
1/2	77,228	1/2	63,787	1/2	50,346	1/2	37,060	1/2	23,791	1/2	10,350	1/2	62	1/2	1/2	1/2		1/2	
3/4	76,948	3/4	63,507	3/4	50,066	3/4	36,788	3/4	23,511	3/4	10,070	3/4	39	3/4	3/4	3/4		3/4	
8	76,668	8	63,227	8	49,786	8	36,517	8	23,231	8	9,790	8		8	8	8		8	
1/4	76,388	1/4	62,947	1/4	49,506	1/4	36,245	1/4	22,951	1/4	9,510	1/4		1/4	1/4	1/4		1/4	
1/2	76,108	1/2	62,667	1/2	49,226	1/2	35,973	1/2	22,671	1/2	9,230	1/2		1/2	1/2	1/2		1/2	
3/4	75,828	3/4	62,387	3/4	48,946	3/4	35,701	3/4	22,391	3/4	8,950	3/4		3/4	3/4	3/4		3/4	
9	75,548	9	62,107	9	48,666	9	35,429	9	22,111	9	8,671	9		9	9	9		9	
1/4	75,268	1/4	61,827	1/4	48,386	1/4	35,158	1/4	21,831	1/4	8,391	1/4		1/4	1/4	1/4		1/4	
1/2	74,988	1/2	61,547	1/2	48,106	1/2	34,886	1/2	21,551	1/2	8,111	1/2		1/2	1/2	1/2		1/2	
3/4	74,708	3/4	61,267	3/4	47,826	3/4	34,614	3/4	21,271	3/4	7,831	3/4		3/4	3/4	3/4		3/4	
10	74,428	10	60,987	10	47,546	10	34,342	10	20,991	10	7,552	10		10	10	10		10	
1/4	74,148	1/4	60,707	1/4	47,266	1/4	34,071	1/4	20,711	1/4	7,273	1/4		1/4	1/4	1/4		1/4	
1/2	73,868	1/2	60,427	1/2	46,986	1/2	33,799	1/2	20,431	1/2	6,994	1/2		1/2	1/2	1/2		1/2	
3/4	73,588	3/4	60,147	3/4	46,706	3/4	33,527	3/4	20,151	3/4	6,715	3/4		3/4	3/4	3/4		3/4	
11	73,308	11	59,867	11	46,426	11	33,255	11	19,871	11	6,436	11		11	11	11		11	
1/4	73,028	1/4	59,587	1/4	46,146	1/4	32,983	1/4	19,591	1/4	6,158	1/4		1/4	1/4	1/4		1/4	
1/2	72,748	1/2	59,307	1/2	45,866	1/2	32,712	1/2	19,311	1/2	5,880	1/2		1/2	1/2	1/2		1/2	
3/4	72,468	3/4	59,027	3/4	45,586	3/4	32,440	3/4	19,031	3/4	5,601	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/23/2019 SW - JS
CALCULATED: 07/23/2019 CL
PRINTED: 07/23/2019 SW

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.dmacorp.net>



CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019



BARGE "CBC 1414"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 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	170,618	0	161,177	0	149,199	0	137,220	0	125,242	0	113,264	0	101,285	0	89,307
1/4		1/4		1/4	170,597	1/4	160,927	1/4	148,949	1/4	136,971	1/4	124,992	1/4	113,014	1/4	101,036	1/4	89,058
1/2		1/2		1/2	170,576	1/2	160,678	1/2	148,699	1/2	136,721	1/2	124,743	1/2	112,765	1/2	100,786	1/2	88,808
3/4		3/4		3/4	170,514	3/4	160,428	3/4	148,450	3/4	136,472	3/4	124,493	3/4	112,515	3/4	100,537	3/4	88,559
1		1		1	170,452	1	160,179	1	148,200	1	136,222	1	124,244	1	112,266	1	100,287	1	88,309
1/4		1/4		1/4	170,389	1/4	159,929	1/4	147,951	1/4	135,973	1/4	123,994	1/4	112,016	1/4	100,038	1/4	88,059
1/2		1/2		1/2	170,327	1/2	159,680	1/2	147,701	1/2	135,723	1/2	123,745	1/2	111,766	1/2	99,788	1/2	87,810
3/4		3/4		3/4	170,223	3/4	159,430	3/4	147,452	3/4	135,473	3/4	123,495	3/4	111,517	3/4	99,539	3/4	87,560
2		2		2	170,119	2	159,180	2	147,202	2	135,224	2	123,246	2	111,267	2	99,289	2	87,311
1/4		1/4		1/4	170,015	1/4	158,931	1/4	146,953	1/4	134,974	1/4	122,996	1/4	111,018	1/4	99,040	1/4	87,061
1/2		1/2		1/2	169,911	1/2	158,681	1/2	146,703	1/2	134,725	1/2	122,747	1/2	110,768	1/2	98,790	1/2	86,812
3/4		3/4		3/4	169,765	3/4	158,432	3/4	146,454	3/4	134,475	3/4	122,497	3/4	110,519	3/4	98,540	3/4	86,562
3		3		3	169,620	3	158,182	3	146,204	3	134,226	3	122,247	3	110,269	3	98,291	3	86,313
1/4		1/4		1/4	169,474	1/4	157,933	1/4	145,954	1/4	133,976	1/4	121,998	1/4	110,020	1/4	98,041	1/4	86,063
1/2		1/2		1/2	169,329	1/2	157,683	1/2	145,705	1/2	133,727	1/2	121,748	1/2	109,770	1/2	97,792	1/2	85,814
3/4		3/4		3/4	169,142	3/4	157,434	3/4	145,455	3/4	133,477	3/4	121,499	3/4	109,521	3/4	97,542	3/4	85,564
4		4		4	168,954	4	157,184	4	145,206	4	133,228	4	121,249	4	109,271	4	97,293	4	85,314
1/4		1/4		1/4	168,767	1/4	156,935	1/4	144,956	1/4	132,978	1/4	121,000	1/4	109,021	1/4	97,043	1/4	85,065
1/2		1/2		1/2	168,580	1/2	156,685	1/2	144,707	1/2	132,728	1/2	120,750	1/2	108,772	1/2	96,794	1/2	84,815
3/4		3/4		3/4	168,351	3/4	156,435	3/4	144,457	3/4	132,479	3/4	120,501	3/4	108,522	3/4	96,544	3/4	84,566
5		5		5	168,123	5	156,186	5	144,208	5	132,229	5	120,251	5	108,273	5	96,295	5	84,316
1/4		1/4		1/4	167,894	1/4	155,936	1/4	143,958	1/4	131,980	1/4	120,002	1/4	108,023	1/4	96,045	1/4	84,067
1/2		1/2		1/2	167,665	1/2	155,687	1/2	143,709	1/2	131,730	1/2	119,752	1/2	107,774	1/2	95,795	1/2	83,817
3/4		3/4		3/4	167,416	3/4	155,437	3/4	143,459	3/4	131,481	3/4	119,502	3/4	107,524	3/4	95,546	3/4	83,568
6		6		6	167,166	6	155,188	6	143,209	6	131,231	6	119,253	6	107,275	6	95,296	6	83,318
1/4		1/4		1/4	166,916	1/4	154,938	1/4	142,960	1/4	130,982	1/4	119,003	1/4	107,025	1/4	95,047	1/4	83,068
1/2		1/2		1/2	166,667	1/2	154,689	1/2	142,710	1/2	130,732	1/2	118,754	1/2	106,775	1/2	94,797	1/2	82,819
3/4		3/4		3/4	166,417	3/4	154,439	3/4	142,461	3/4	130,482	3/4	118,504	3/4	106,526	3/4	94,548	3/4	82,569
7		7		7	166,168	7	154,189	7	142,211	7	130,233	7	118,255	7	106,276	7	94,298	7	82,320
1/4		1/4		1/4	165,918	1/4	153,940	1/4	141,962	1/4	129,983	1/4	118,005	1/4	106,027	1/4	94,049	1/4	82,070
1/2		1/2		1/2	165,669	1/2	153,690	1/2	141,712	1/2	129,734	1/2	117,756	1/2	105,777	1/2	93,799	1/2	81,821
3/4		3/4		3/4	165,419	3/4	153,441	3/4	141,463	3/4	129,484	3/4	117,506	3/4	105,528	3/4	93,549	3/4	81,571
8		8		8	165,170	8	153,191	8	141,213	8	129,235	8	117,256	8	105,278	8	93,300	8	81,322
1/4		1/4		1/4	164,920	1/4	152,942	1/4	140,963	1/4	128,985	1/4	117,007	1/4	105,029	1/4	93,050	1/4	81,072
1/2		1/2		1/2	164,670	1/2	152,692	1/2	140,714	1/2	128,736	1/2	116,757	1/2	104,779	1/2	92,801	1/2	80,823
3/4		3/4		3/4	164,421	3/4	152,443	3/4	140,464	3/4	128,486	3/4	116,508	3/4	104,530	3/4	92,551	3/4	80,573
9		9		9	164,171	9	152,193	9	140,215	9	128,237	9	116,258	9	104,280	9	92,302	9	80,323
1/4		1/4		1/4	163,922	1/4	151,944	1/4	139,965	1/4	127,987	1/4	116,009	1/4	104,030	1/4	92,052	1/4	80,074
1/2		1/2		1/2	163,672	1/2	151,694	1/2	139,716	1/2	127,737	1/2	115,759	1/2	103,781	1/2	91,803	1/2	79,824
3/4		3/4		3/4	163,423	3/4	151,444	3/4	139,466	3/4	127,488	3/4	115,510	3/4	103,531	3/4	91,553	3/4	79,575
10		10		10	163,173	10	151,195	10	139,217	10	127,238	10	115,260	10	103,282	10	91,304	10	79,325
1/4		1/4		1/4	162,924	1/4	150,945	1/4	138,967	1/4	126,989	1/4	115,011	1/4	103,032	1/4	91,054	1/4	79,076
1/2		1/2		1/2	162,674	1/2	150,696	1/2	138,718	1/2	126,739	1/2	114,761	1/2	102,783	1/2	90,804	1/2	78,826
3/4		3/4		3/4	162,425	3/4	150,446	3/4	138,468	3/4	126,490	3/4	114,511	3/4	102,533	3/4	90,555	3/4	78,577
11		11		11	162,175	11	150,197	11	138,218	11	126,240	11	114,262	11	102,284	11	90,305	11	78,327
1/4		1/4		1/4	161,925	1/4	149,947	1/4	137,969	1/4	125,991	1/4	114,012	1/4	102,034	1/4	90,056	1/4	78,078
1/2		1/2		1/2	161,676	1/2	149,698	1/2	137,719	1/2	125,741	1/2	113,763	1/2	101,785	1/2	89,806	1/2	77,828
3/4		3/4		3/4	161,426	3/4	149,448	3/4	137,470	3/4	125,492	3/4	113,513	3/4	101,535	3/4	89,557	3/4	77,578

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.

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 1414"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 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	77,329	0	65,351	0	53,372	0	41,394	0	29,437	0	17,464	0	5,493	0		0		0	
1/4	77,079	1/4	65,101	1/4	53,123	1/4	41,145	1/4	29,189	1/4	17,214	1/4	5,245	1/4	1/4	1/4		1/4	
1/2	76,830	1/2	64,852	1/2	52,873	1/2	40,895	1/2	28,940	1/2	16,965	1/2	4,997	1/2	1/2	1/2		1/2	
3/4	76,580	3/4	64,602	3/4	52,624	3/4	40,645	3/4	28,691	3/4	16,715	3/4	4,750	3/4	3/4	3/4		3/4	
1	76,331	1	64,352	1	52,374	1	40,396	1	28,441	1	16,466	1	4,503	1	1	1		1	
1/4	76,081	1/4	64,103	1/4	52,125	1/4	40,146	1/4	28,192	1/4	16,216	1/4	4,257	1/4	1/4	1/4		1/4	
1/2	75,832	1/2	63,853	1/2	51,875	1/2	39,897	1/2	27,943	1/2	15,967	1/2	4,010	1/2	1/2	1/2		1/2	
3/4	75,582	3/4	63,604	3/4	51,626	3/4	39,647	3/4	27,694	3/4	15,717	3/4	3,765	3/4	3/4	3/4		3/4	
2	75,333	2	63,354	2	51,376	2	39,398	2	27,445	2	15,468	2	3,521	2	2	2		2	
1/4	75,083	1/4	63,105	1/4	51,126	1/4	39,148	1/4	27,195	1/4	15,218	1/4	3,276	1/4	1/4	1/4		1/4	
1/2	74,833	1/2	62,855	1/2	50,877	1/2	38,899	1/2	26,946	1/2	14,968	1/2	3,032	1/2	1/2	1/2		1/2	
3/4	74,584	3/4	62,606	3/4	50,627	3/4	38,649	3/4	26,697	3/4	14,719	3/4	2,803	3/4	3/4	3/4		3/4	
3	74,334	3	62,356	3	50,378	3	38,400	3	26,447	3	14,469	3	2,575	3	3	3		3	
1/4	74,085	1/4	62,107	1/4	50,128	1/4	38,150	1/4	26,198	1/4	14,220	1/4	2,347	1/4	1/4	1/4		1/4	
1/2	73,835	1/2	61,857	1/2	49,879	1/2	37,900	1/2	25,948	1/2	13,970	1/2	2,119	1/2	1/2	1/2		1/2	
3/4	73,586	3/4	61,607	3/4	49,629	3/4	37,651	3/4	25,699	3/4	13,721	3/4	1,932	3/4	3/4	3/4		3/4	
4	73,336	4	61,358	4	49,380	4	37,401	4	25,449	4	13,471	4	1,745	4	4	4		4	
1/4	73,087	1/4	61,108	1/4	49,130	1/4	37,152	1/4	25,199	1/4	13,222	1/4	1,558	1/4	1/4	1/4		1/4	
1/2	72,837	1/2	60,859	1/2	48,880	1/2	36,902	1/2	24,950	1/2	12,972	1/2	1,371	1/2	1/2	1/2		1/2	
3/4	72,587	3/4	60,609	3/4	48,631	3/4	36,653	3/4	24,700	3/4	12,723	3/4	1,225	3/4	3/4	3/4		3/4	
5	72,338	5	60,360	5	48,381	5	36,405	5	24,451	5	12,473	5	1,079	5	5	5		5	
1/4	72,088	1/4	60,110	1/4	48,132	1/4	36,156	1/4	24,201	1/4	12,224	1/4	934	1/4	1/4	1/4		1/4	
1/2	71,839	1/2	59,861	1/2	47,882	1/2	35,907	1/2	23,952	1/2	11,974	1/2	788	1/2	1/2	1/2		1/2	
3/4	71,589	3/4	59,611	3/4	47,633	3/4	35,658	3/4	23,702	3/4	11,724	3/4	684	3/4	3/4	3/4		3/4	
6	71,340	6	59,361	6	47,383	6	35,409	6	23,453	6	11,475	6	580	6	6	6		6	
1/4	71,090	1/4	59,112	1/4	47,134	1/4	35,160	1/4	23,203	1/4	11,225	1/4	476	1/4	1/4	1/4		1/4	
1/2	70,841	1/2	58,862	1/2	46,884	1/2	34,912	1/2	22,954	1/2	10,976	1/2	372	1/2	1/2	1/2		1/2	
3/4	70,591	3/4	58,613	3/4	46,635	3/4	34,663	3/4	22,704	3/4	10,726	3/4	310	3/4	3/4	3/4		3/4	
7	70,342	7	58,363	7	46,385	7	34,414	7	22,455	7	10,477	7	248	7	7	7		7	
1/4	70,092	1/4	58,114	1/4	46,135	1/4	34,165	1/4	22,205	1/4	10,227	1/4	185	1/4	1/4	1/4		1/4	
1/2	69,842	1/2	57,864	1/2	45,886	1/2	33,916	1/2	21,955	1/2	9,978	1/2	123	1/2	1/2	1/2		1/2	
3/4	69,593	3/4	57,615	3/4	45,636	3/4	33,667	3/4	21,706	3/4	9,728	3/4	102	3/4	3/4	3/4		3/4	
8	69,343	8	57,365	8	45,387	8	33,419	8	21,456	8	9,479	8	81	8	8	8		8	
1/4	69,094	1/4	57,116	1/4	45,137	1/4	33,170	1/4	21,207	1/4	9,229	1/4	61	1/4	1/4	1/4		1/4	
1/2	68,844	1/2	56,866	1/2	44,888	1/2	32,921	1/2	20,957	1/2	8,980	1/2	39	1/2	1/2	1/2		1/2	
3/4	68,595	3/4	56,616	3/4	44,638	3/4	32,672	3/4	20,708	3/4	8,730	3/4		3/4	3/4	3/4		3/4	
9	68,345	9	56,367	9	44,389	9	32,423	9	20,458	9	8,480	9		9	9	9		9	
1/4	68,096	1/4	56,117	1/4	44,139	1/4	32,174	1/4	20,209	1/4	8,231	1/4		1/4	1/4	1/4		1/4	
1/2	67,846	1/2	55,868	1/2	43,890	1/2	31,926	1/2	19,959	1/2	7,981	1/2		1/2	1/2	1/2		1/2	
3/4	67,597	3/4	55,618	3/4	43,640	3/4	31,677	3/4	19,710	3/4	7,732	3/4		3/4	3/4	3/4		3/4	
10	67,347	10	55,369	10	43,390	10	31,428	10	19,460	10	7,483	10		10	10	10		10	
1/4	67,097	1/4	55,119	1/4	43,141	1/4	31,179	1/4	19,211	1/4	7,233	1/4		1/4	1/4	1/4		1/4	
1/2	66,848	1/2	54,870	1/2	42,891	1/2	30,930	1/2	18,961	1/2	6,984	1/2		1/2	1/2	1/2		1/2	
3/4	66,598	3/4	54,620	3/4	42,642	3/4	30,682	3/4	18,712	3/4	6,735	3/4		3/4	3/4	3/4		3/4	
11	66,349	11	54,371	11	42,392	11	30,433	11	18,462	11	6,487	11		11	11	11		11	
1/4	66,099	1/4	54,121	1/4	42,143	1/4	30,184	1/4	18,212	1/4	6,238	1/4		1/4	1/4	1/4		1/4	
1/2	65,850	1/2	53,871	1/2	41,893	1/2	29,935	1/2	17,963	1/2	5,989	1/2		1/2	1/2	1/2		1/2	
3/4	65,600	3/4	53,622	3/4	41,644	3/4	29,686	3/4	17,713	3/4	5,741	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/23/2019 SW - JS
CALCULATED: 07/23/2019 CL
PRINTED: 07/23/2019 SW

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.dmacorp.net>

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019