



# BARGE "CBC 388"

## 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 PORT	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	00-3/8	- 00-3/8
1 STBD	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	00-3/8	- 00-3/8
2 PORT	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8
2 STBD	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8
3 PORT	- 00-1/2	00-1/2	- 01-1/8	01-1/8	- 01-5/8	01-5/8	- 02-1/4	02-1/4	- 02-3/4	02-3/4	- 03-3/8	03-3/8
3 STBD	- 00-1/2	00-1/2	- 01-1/8	01-1/8	- 01-5/8	01-5/8	- 02-1/4	02-1/4	- 02-3/4	02-3/4	- 03-3/8	03-3/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 4'-00"  
 AFT DRAFT = 6'-00"  
 DIFF. = 2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 00-1/8"  
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 253'-09"

September 26, 2013

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "CBC 388"

# 1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-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	965	0	15,239	0	30,474	0	45,699	0	60,924	0	76,160	0	91,395	0	106,631	0	121,862	0	137,092
1/4	1,150	1/4	15,556	1/4	30,791	1/4	46,016	1/4	61,241	1/4	76,477	1/4	91,713	1/4	106,948	1/4	122,179	1/4	137,409
1/2	1,335	1/2	15,874	1/2	31,109	1/2	46,333	1/2	61,559	1/2	76,794	1/2	92,030	1/2	107,265	1/2	122,497	1/2	137,726
3/4	1,520	3/4	16,191	3/4	31,426	3/4	46,649	3/4	61,876	3/4	77,112	3/4	92,347	3/4	107,583	3/4	122,814	3/4	138,044
1	1,705	1	16,508	1	31,743	1	46,966	1	62,194	1	77,429	1	92,665	1	107,900	1	123,131	1	138,361
1/4	1,943	1/4	16,826	1/4	32,061	1/4	47,283	1/4	62,511	1/4	77,747	1/4	92,982	1/4	108,218	1/4	123,448	1/4	138,678
1/2	2,181	1/2	17,143	1/2	32,378	1/2	47,600	1/2	62,828	1/2	78,064	1/2	93,300	1/2	108,535	1/2	123,766	1/2	138,996
3/4	2,419	3/4	17,461	3/4	32,696	3/4	47,917	3/4	63,146	3/4	78,381	3/4	93,617	3/4	108,853	3/4	124,083	3/4	139,313
2	2,657	2	17,778	2	33,013	2	48,234	2	63,463	2	78,699	2	93,934	2	109,170	2	124,400	2	139,630
1/4	2,948	1/4	18,095	1/4	33,330	1/4	48,551	1/4	63,781	1/4	79,016	1/4	94,252	1/4	109,487	1/4	124,718	1/4	139,948
1/2	3,239	1/2	18,413	1/2	33,648	1/2	48,868	1/2	64,098	1/2	79,334	1/2	94,569	1/2	109,805	1/2	125,035	1/2	140,265
3/4	3,530	3/4	18,730	3/4	33,965	3/4	49,185	3/4	64,415	3/4	79,651	3/4	94,887	3/4	110,122	3/4	125,352	3/4	140,582
3	3,821	3	19,048	3	34,283	3	49,501	3	64,733	3	79,968	3	95,204	3	110,440	3	125,669	3	140,899
1/4	4,137	1/4	19,365	1/4	34,600	1/4	49,818	1/4	65,050	1/4	80,286	1/4	95,521	1/4	110,757	1/4	125,987	1/4	141,217
1/2	4,452	1/2	19,682	1/2	34,917	1/2	50,135	1/2	65,368	1/2	80,603	1/2	95,839	1/2	111,074	1/2	126,304	1/2	141,534
3/4	4,768	3/4	20,000	3/4	35,235	3/4	50,452	3/4	65,685	3/4	80,921	3/4	96,156	3/4	111,391	3/4	126,621	3/4	141,851
4	5,084	4	20,317	4	35,552	4	50,769	4	66,002	4	81,238	4	96,474	4	111,709	4	126,939	4	142,169
1/4	5,401	1/4	20,635	1/4	35,870	1/4	51,086	1/4	66,320	1/4	81,555	1/4	96,791	1/4	112,026	1/4	127,256	1/4	142,486
1/2	5,718	1/2	20,952	1/2	36,187	1/2	51,403	1/2	66,637	1/2	81,873	1/2	97,108	1/2	112,343	1/2	127,573	1/2	142,803
3/4	6,035	3/4	21,269	3/4	36,504	3/4	51,720	3/4	66,955	3/4	82,190	3/4	97,426	3/4	112,661	3/4	127,891	3/4	143,120
5	6,352	5	21,587	5	36,822	5	52,037	5	67,272	5	82,508	5	97,743	5	112,978	5	128,208	5	143,438
1/4	6,669	1/4	21,904	1/4	37,139	1/4	52,354	1/4	67,590	1/4	82,825	1/4	98,061	1/4	113,295	1/4	128,525	1/4	143,755
1/2	6,987	1/2	22,222	1/2	37,457	1/2	52,671	1/2	67,907	1/2	83,142	1/2	98,378	1/2	113,612	1/2	128,842	1/2	144,072
3/4	7,304	3/4	22,539	3/4	37,774	3/4	52,989	3/4	68,224	3/4	83,460	3/4	98,695	3/4	113,930	3/4	129,160	3/4	144,390
6	7,621	6	22,856	6	38,091	6	53,306	6	68,542	6	83,777	6	99,013	6	114,247	6	129,477	6	144,707
1/4	7,939	1/4	23,174	1/4	38,409	1/4	53,624	1/4	68,859	1/4	84,095	1/4	99,330	1/4	114,564	1/4	129,794	1/4	145,024
1/2	8,256	1/2	23,491	1/2	38,726	1/2	53,941	1/2	69,177	1/2	84,412	1/2	99,648	1/2	114,882	1/2	130,112	1/2	145,341
3/4	8,574	3/4	23,809	3/4	39,044	3/4	54,258	3/4	69,494	3/4	84,730	3/4	99,965	3/4	115,199	3/4	130,429	3/4	145,659
7	8,891	7	24,126	7	39,361	7	54,576	7	69,811	7	85,047	7	100,283	7	115,516	7	130,746	7	145,976
1/4	9,208	1/4	24,443	1/4	39,678	1/4	54,893	1/4	70,129	1/4	85,364	1/4	100,600	1/4	115,833	1/4	131,063	1/4	146,293
1/2	9,526	1/2	24,761	1/2	39,995	1/2	55,211	1/2	70,446	1/2	85,682	1/2	100,917	1/2	116,151	1/2	131,381	1/2	146,611
3/4	9,843	3/4	25,078	3/4	40,312	3/4	55,528	3/4	70,764	3/4	85,999	3/4	101,235	3/4	116,468	3/4	131,698	3/4	146,928
8	10,161	8	25,396	8	40,628	8	55,845	8	71,081	8	86,317	8	101,552	8	116,785	8	132,015	8	147,245
1/4	10,478	1/4	25,713	1/4	40,945	1/4	56,163	1/4	71,398	1/4	86,634	1/4	101,870	1/4	117,103	1/4	132,333	1/4	147,562
1/2	10,795	1/2	26,030	1/2	41,262	1/2	56,480	1/2	71,716	1/2	86,951	1/2	102,187	1/2	117,420	1/2	132,650	1/2	147,880
3/4	11,113	3/4	26,348	3/4	41,579	3/4	56,798	3/4	72,033	3/4	87,269	3/4	102,504	3/4	117,737	3/4	132,967	3/4	148,197
9	11,430	9	26,665	9	41,896	9	57,115	9	72,351	9	87,586	9	102,822	9	118,055	9	133,284	9	148,514
1/4	11,748	1/4	26,983	1/4	42,213	1/4	57,432	1/4	72,668	1/4	87,904	1/4	103,139	1/4	118,372	1/4	133,602	1/4	148,832
1/2	12,065	1/2	27,300	1/2	42,530	1/2	57,750	1/2	72,985	1/2	88,221	1/2	103,457	1/2	118,689	1/2	133,919	1/2	149,149
3/4	12,382	3/4	27,617	3/4	42,847	3/4	58,067	3/4	73,303	3/4	88,538	3/4	103,774	3/4	119,006	3/4	134,236	3/4	149,466
10	12,700	10	27,935	10	43,164	10	58,385	10	73,620	10	88,856	10	104,091	10	119,324	10	134,554	10	149,784
1/4	13,017	1/4	28,252	1/4	43,481	1/4	58,702	1/4	73,938	1/4	89,173	1/4	104,409	1/4	119,641	1/4	134,871	1/4	150,101
1/2	13,335	1/2	28,569	1/2	43,797	1/2	59,020	1/2	74,255	1/2	89,491	1/2	104,726	1/2	119,958	1/2	135,188	1/2	150,418
3/4	13,652	3/4	28,887	3/4	44,114	3/4	59,337	3/4	74,572	3/4	89,808	3/4	105,044	3/4	120,276	3/4	135,505	3/4	150,735
11	13,969	11	29,204	11	44,431	11	59,654	11	74,890	11	90,125	11	105,361	11	120,593	11	135,823	11	151,053
1/4	14,287	1/4	29,522	1/4	44,748	1/4	59,972	1/4	75,207	1/4	90,443	1/4	105,678	1/4	120,910	1/4	136,140	1/4	151,370
1/2	14,604	1/2	29,839	1/2	45,065	1/2	60,289	1/2	75,525	1/2	90,760	1/2	105,996	1/2	121,227	1/2	136,457	1/2	151,687
3/4	14,922	3/4	30,156	3/4	45,382	3/4	60,607	3/4	75,842	3/4	91,078	3/4	106,313	3/4	121,545	3/4	136,775	3/4	152,005

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 TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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# BARGE "CBC 388"

## 1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-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	152,322	0	167,552	0	182,782	0	197,809	0	212,070	0		0		0		0		0	
1/4	152,639	1/4	167,869	1/4	183,099	1/4	198,114	1/4	212,356	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	152,956	1/2	168,186	1/2	183,416	1/2	198,419	1/2	212,643	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	153,274	3/4	168,504	3/4	183,734	3/4	198,725	3/4	212,929	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	153,591	1	168,821	1	184,051	1	199,030	1	213,215	1	1	1	1	1	1	1	1	1	1
1/4	153,908	1/4	169,138	1/4	184,368	1/4	199,333	1/4	213,500	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	154,226	1/2	169,455	1/2	184,685	1/2	199,636	1/2	213,785	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	154,543	3/4	169,773	3/4	185,003	3/4	199,939	3/4	214,070	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	154,860	2	170,090	2	185,320	2	200,242	2	214,355	2	2	2	2	2	2	2	2	2	2
1/4	155,177	1/4	170,407	1/4	185,637	1/4	200,543	1/4	214,638	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	155,495	1/2	170,725	1/2	185,955	1/2	200,845	1/2	214,922	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	155,812	3/4	171,042	3/4	186,272	3/4	201,146	3/4	215,205	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	156,129	3	171,359	3	186,589	3	201,448	3	215,489	3	3	3	3	3	3	3	3	3	3
1/4	156,447	1/4	171,677	1/4	186,906	1/4	201,748	1/4	215,771	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	156,764	1/2	171,994	1/2	187,223	1/2	202,049	1/2	216,053	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	157,081	3/4	172,311	3/4	187,539	3/4	202,349	3/4	216,335	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	157,398	4	172,628	4	187,856	4	202,650	4	216,617	4	4	4	4	4	4	4	4	4	4
1/4	157,716	1/4	172,946	1/4	188,171	1/4	202,949	1/4	216,897	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	158,033	1/2	173,263	1/2	188,487	1/2	203,248	1/2	217,176	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	158,350	3/4	173,580	3/4	188,802	3/4	203,547	3/4	217,456	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	158,668	5	173,898	5	189,118	5	203,846	5	217,736	5	5	5	5	5	5	5	5	5	5
1/4	158,985	1/4	174,215	1/4	189,432	1/4	204,144	1/4	217,989	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	159,302	1/2	174,532	1/2	189,746	1/2	204,442	1/2	218,242	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	159,620	3/4	174,849	3/4	190,060	3/4	204,740	3/4	218,496	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	159,937	6	175,167	6	190,374	6	205,038	6	218,749	6	6	6	6	6	6	6	6	6	6
1/4	160,254	1/4	175,484	1/4	190,687	1/4	205,334	1/4	218,983	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	160,571	1/2	175,801	1/2	191,000	1/2	205,631	1/2	219,217	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	160,889	3/4	176,119	3/4	191,313	3/4	205,927	3/4	219,450	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	161,206	7	176,436	7	191,626	7	206,224	7	219,684	7	7	7	7	7	7	7	7	7	7
1/4	161,523	1/4	176,753	1/4	191,937	1/4	206,519	1/4	219,866	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	161,841	1/2	177,070	1/2	192,249	1/2	206,815	1/2	220,048	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	162,158	3/4	177,388	3/4	192,561	3/4	207,110	3/4	220,230	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	162,475	8	177,705	8	192,872	8	207,406	8	220,413	8	8	8	8	8	8	8	8	8	8
1/4	162,792	1/4	178,022	1/4	193,183	1/4	207,700	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	163,110	1/2	178,340	1/2	193,493	1/2	207,994	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	163,427	3/4	178,657	3/4	193,804	3/4	208,288	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	163,744	9	178,974	9	194,114	9	208,582	9		9	9	9	9	9	9	9	9	9	9
1/4	164,062	1/4	179,291	1/4	194,423	1/4	208,875	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	164,379	1/2	179,609	1/2	194,732	1/2	209,168	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	164,696	3/4	179,926	3/4	195,041	3/4	209,461	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	165,013	10	180,243	10	195,351	10	209,754	10		10	10	10	10	10	10	10	10	10	10
1/4	165,331	1/4	180,561	1/4	195,658	1/4	210,045	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	165,648	1/2	180,878	1/2	195,966	1/2	210,337	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	165,965	3/4	181,195	3/4	196,274	3/4	210,629	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	166,283	11	181,513	11	196,582	11	210,921	11		11	11	11	11	11	11	11	11	11	11
1/4	166,600	1/4	181,830	1/4	196,889	1/4	211,208	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	166,917	1/2	182,147	1/2	197,195	1/2	211,495	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	167,234	3/4	182,464	3/4	197,502	3/4	211,783	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: 09/26/2013 CL  
CALCULATED: 09/27/2013 CL  
PRINTED: 09/27/2013 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2013

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



# BARGE "CBC 388"

# 1 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-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	965	0	15,237	0	30,470	0	45,653	0	60,837	0	76,071	0	91,304	0	106,538	0	121,768	0	136,996
1/4	1,150	1/4	15,554	1/4	30,788	1/4	45,969	1/4	61,154	1/4	76,388	1/4	91,622	1/4	106,856	1/4	122,085	1/4	137,313
1/2	1,335	1/2	15,872	1/2	31,105	1/2	46,284	1/2	61,472	1/2	76,705	1/2	91,939	1/2	107,173	1/2	122,402	1/2	137,630
3/4	1,520	3/4	16,189	3/4	31,422	3/4	46,599	3/4	61,789	3/4	77,023	3/4	92,257	3/4	107,490	3/4	122,720	3/4	137,948
1	1,705	1	16,507	1	31,740	1	46,914	1	62,106	1	77,340	1	92,574	1	107,808	1	123,037	1	138,265
1/4	1,943	1/4	16,824	1/4	32,057	1/4	47,229	1/4	62,424	1/4	77,658	1/4	92,891	1/4	108,125	1/4	123,354	1/4	138,582
1/2	2,181	1/2	17,141	1/2	32,374	1/2	47,545	1/2	62,741	1/2	77,975	1/2	93,209	1/2	108,442	1/2	123,671	1/2	138,899
3/4	2,419	3/4	17,459	3/4	32,692	3/4	47,860	3/4	63,059	3/4	78,292	3/4	93,526	3/4	108,760	3/4	123,989	3/4	139,217
2	2,657	2	17,776	2	33,009	2	48,175	2	63,376	2	78,610	2	93,843	2	109,077	2	124,306	2	139,534
1/4	2,948	1/4	18,093	1/4	33,326	1/4	48,490	1/4	63,693	1/4	78,927	1/4	94,161	1/4	109,395	1/4	124,623	1/4	139,851
1/2	3,239	1/2	18,411	1/2	33,644	1/2	48,805	1/2	64,011	1/2	79,244	1/2	94,478	1/2	109,712	1/2	124,940	1/2	140,168
3/4	3,529	3/4	18,728	3/4	33,961	3/4	49,121	3/4	64,328	3/4	79,562	3/4	94,796	3/4	110,029	3/4	125,258	3/4	140,486
3	3,820	3	19,045	3	34,279	3	49,436	3	64,645	3	79,879	3	95,113	3	110,347	3	125,575	3	140,803
1/4	4,136	1/4	19,363	1/4	34,596	1/4	49,751	1/4	64,963	1/4	80,197	1/4	95,430	1/4	110,664	1/4	125,892	1/4	141,120
1/2	4,452	1/2	19,680	1/2	34,913	1/2	50,066	1/2	65,280	1/2	80,514	1/2	95,748	1/2	110,981	1/2	126,209	1/2	141,437
3/4	4,768	3/4	19,997	3/4	35,231	3/4	50,381	3/4	65,598	3/4	80,831	3/4	96,065	3/4	111,298	3/4	126,527	3/4	141,755
4	5,084	4	20,315	4	35,548	4	50,697	4	65,915	4	81,149	4	96,382	4	111,616	4	126,844	4	142,072
1/4	5,401	1/4	20,632	1/4	35,865	1/4	51,012	1/4	66,232	1/4	81,466	1/4	96,700	1/4	111,933	1/4	127,161	1/4	142,389
1/2	5,717	1/2	20,950	1/2	36,183	1/2	51,327	1/2	66,550	1/2	81,783	1/2	97,017	1/2	112,250	1/2	127,478	1/2	142,706
3/4	6,034	3/4	21,267	3/4	36,500	3/4	51,642	3/4	66,867	3/4	82,101	3/4	97,335	3/4	112,567	3/4	127,796	3/4	143,024
5	6,351	5	21,584	5	36,817	5	51,957	5	67,184	5	82,418	5	97,652	5	112,885	5	128,113	5	143,341
1/4	6,669	1/4	21,902	1/4	37,135	1/4	52,273	1/4	67,502	1/4	82,736	1/4	97,969	1/4	113,202	1/4	128,430	1/4	143,658
1/2	6,986	1/2	22,219	1/2	37,452	1/2	52,589	1/2	67,819	1/2	83,053	1/2	98,287	1/2	113,519	1/2	128,747	1/2	143,975
3/4	7,303	3/4	22,536	3/4	37,769	3/4	52,904	3/4	68,136	3/4	83,370	3/4	98,604	3/4	113,836	3/4	129,065	3/4	144,293
6	7,621	6	22,854	6	38,087	6	53,220	6	68,454	6	83,688	6	98,921	6	114,154	6	129,382	6	144,610
1/4	7,938	1/4	23,171	1/4	38,403	1/4	53,537	1/4	68,771	1/4	84,005	1/4	99,239	1/4	114,471	1/4	129,699	1/4	144,927
1/2	8,255	1/2	23,488	1/2	38,718	1/2	53,855	1/2	69,089	1/2	84,322	1/2	99,556	1/2	114,788	1/2	130,016	1/2	145,244
3/4	8,573	3/4	23,806	3/4	39,034	3/4	54,172	3/4	69,406	3/4	84,640	3/4	99,873	3/4	115,105	3/4	130,334	3/4	145,562
7	8,890	7	24,123	7	39,350	7	54,490	7	69,723	7	84,957	7	100,191	7	115,423	7	130,651	7	145,879
1/4	9,207	1/4	24,440	1/4	39,665	1/4	54,807	1/4	70,041	1/4	85,274	1/4	100,508	1/4	115,740	1/4	130,968	1/4	146,196
1/2	9,525	1/2	24,758	1/2	39,980	1/2	55,124	1/2	70,358	1/2	85,592	1/2	100,826	1/2	116,057	1/2	131,285	1/2	146,513
3/4	9,842	3/4	25,075	3/4	40,295	3/4	55,442	3/4	70,675	3/4	85,909	3/4	101,143	3/4	116,374	3/4	131,603	3/4	146,831
8	10,159	8	25,393	8	40,610	8	55,759	8	70,993	8	86,227	8	101,460	8	116,692	8	131,920	8	147,148
1/4	10,477	1/4	25,710	1/4	40,926	1/4	56,076	1/4	71,310	1/4	86,544	1/4	101,778	1/4	117,009	1/4	132,237	1/4	147,465
1/2	10,794	1/2	26,027	1/2	41,241	1/2	56,394	1/2	71,628	1/2	86,861	1/2	102,095	1/2	117,326	1/2	132,554	1/2	147,782
3/4	11,111	3/4	26,345	3/4	41,556	3/4	56,711	3/4	71,945	3/4	87,179	3/4	102,412	3/4	117,643	3/4	132,872	3/4	148,100
9	11,429	9	26,662	9	41,871	9	57,029	9	72,262	9	87,496	9	102,730	9	117,961	9	133,189	9	148,417
1/4	11,746	1/4	26,979	1/4	42,186	1/4	57,346	1/4	72,580	1/4	87,813	1/4	103,047	1/4	118,278	1/4	133,506	1/4	148,734
1/2	12,064	1/2	27,297	1/2	42,502	1/2	57,663	1/2	72,897	1/2	88,131	1/2	103,365	1/2	118,595	1/2	133,823	1/2	149,051
3/4	12,381	3/4	27,614	3/4	42,817	3/4	57,981	3/4	73,214	3/4	88,448	3/4	103,682	3/4	118,912	3/4	134,141	3/4	149,369
10	12,698	10	27,931	10	43,132	10	58,298	10	73,532	10	88,766	10	103,999	10	119,230	10	134,458	10	149,686
1/4	13,016	1/4	28,249	1/4	43,447	1/4	58,615	1/4	73,849	1/4	89,083	1/4	104,317	1/4	119,547	1/4	134,775	1/4	150,003
1/2	13,333	1/2	28,566	1/2	43,762	1/2	58,933	1/2	74,167	1/2	89,400	1/2	104,634	1/2	119,864	1/2	135,092	1/2	150,320
3/4	13,650	3/4	28,883	3/4	44,077	3/4	59,250	3/4	74,484	3/4	89,718	3/4	104,951	3/4	120,181	3/4	135,410	3/4	150,638
11	13,968	11	29,201	11	44,393	11	59,568	11	74,801	11	90,035	11	105,269	11	120,499	11	135,727	11	150,955
1/4	14,285	1/4	29,518	1/4	44,708	1/4	59,885	1/4	75,119	1/4	90,352	1/4	105,586	1/4	120,816	1/4	136,044	1/4	151,272
1/2	14,602	1/2	29,836	1/2	45,023	1/2	60,202	1/2	75,436	1/2	90,670	1/2	105,903	1/2	121,133	1/2	136,361	1/2	151,589
3/4	14,920	3/4	30,153	3/4	45,338	3/4	60,520	3/4	75,753	3/4	90,987	3/4	106,221	3/4	121,450	3/4	136,679	3/4	151,907

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 TOP LIP OF 2" "HERMETIC" VALVE  
 GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

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



# BARGE "CBC 388"

## 1 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-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	152,224	0	167,452	0	182,680	0	197,705	0	211,965	0		0		0		0		0	
1/4	152,541	1/4	167,769	1/4	182,997	1/4	198,011	1/4	212,251	1/4		1/4		1/4		1/4		1/4	
1/2	152,858	1/2	168,087	1/2	183,315	1/2	198,316	1/2	212,537	1/2		1/2		1/2		1/2		1/2	
3/4	153,176	3/4	168,404	3/4	183,632	3/4	198,621	3/4	212,824	3/4		3/4		3/4		3/4		3/4	
1	153,493	1	168,721	1	183,949	1	198,927	1	213,110	1		1		1		1		1	
1/4	153,810	1/4	169,038	1/4	184,266	1/4	199,229	1/4	213,395	1/4		1/4		1/4		1/4		1/4	
1/2	154,127	1/2	169,356	1/2	184,584	1/2	199,532	1/2	213,679	1/2		1/2		1/2		1/2		1/2	
3/4	154,445	3/4	169,673	3/4	184,901	3/4	199,835	3/4	213,964	3/4		3/4		3/4		3/4		3/4	
2	154,762	2	169,990	2	185,218	2	200,138	2	214,249	2		2		2		2		2	
1/4	155,079	1/4	170,307	1/4	185,535	1/4	200,440	1/4	214,533	1/4		1/4		1/4		1/4		1/4	
1/2	155,396	1/2	170,625	1/2	185,853	1/2	200,741	1/2	214,816	1/2		1/2		1/2		1/2		1/2	
3/4	155,714	3/4	170,942	3/4	186,170	3/4	201,043	3/4	215,100	3/4		3/4		3/4		3/4		3/4	
3	156,031	3	171,259	3	186,487	3	201,344	3	215,384	3		3		3		3		3	
1/4	156,348	1/4	171,576	1/4	186,804	1/4	201,645	1/4	215,665	1/4		1/4		1/4		1/4		1/4	
1/2	156,665	1/2	171,894	1/2	187,121	1/2	201,945	1/2	215,947	1/2		1/2		1/2		1/2		1/2	
3/4	156,983	3/4	172,211	3/4	187,437	3/4	202,245	3/4	216,229	3/4		3/4		3/4		3/4		3/4	
4	157,300	4	172,528	4	187,754	4	202,546	4	216,511	4		4		4		4		4	
1/4	157,617	1/4	172,845	1/4	188,069	1/4	202,845	1/4	216,791	1/4		1/4		1/4		1/4		1/4	
1/2	157,935	1/2	173,163	1/2	188,385	1/2	203,144	1/2	217,071	1/2		1/2		1/2		1/2		1/2	
3/4	158,252	3/4	173,480	3/4	188,700	3/4	203,443	3/4	217,350	3/4		3/4		3/4		3/4		3/4	
5	158,569	5	173,797	5	189,015	5	203,742	5	217,630	5		5		5		5		5	
1/4	158,886	1/4	174,114	1/4	189,329	1/4	204,040	1/4	217,883	1/4		1/4		1/4		1/4		1/4	
1/2	159,204	1/2	174,432	1/2	189,644	1/2	204,338	1/2	218,136	1/2		1/2		1/2		1/2		1/2	
3/4	159,521	3/4	174,749	3/4	189,958	3/4	204,636	3/4	218,390	3/4		3/4		3/4		3/4		3/4	
6	159,838	6	175,066	6	190,272	6	204,933	6	218,643	6		6		6		6		6	
1/4	160,155	1/4	175,383	1/4	190,585	1/4	205,230	1/4	218,877	1/4		1/4		1/4		1/4		1/4	
1/2	160,473	1/2	175,701	1/2	190,898	1/2	205,527	1/2	219,111	1/2		1/2		1/2		1/2		1/2	
3/4	160,790	3/4	176,018	3/4	191,210	3/4	205,823	3/4	219,344	3/4		3/4		3/4		3/4		3/4	
7	161,107	7	176,335	7	191,523	7	206,120	7	219,578	7		7		7		7		7	
1/4	161,424	1/4	176,652	1/4	191,835	1/4	206,415	1/4	219,760	1/4		1/4		1/4		1/4		1/4	
1/2	161,742	1/2	176,970	1/2	192,146	1/2	206,710	1/2	219,942	1/2		1/2		1/2		1/2		1/2	
3/4	162,059	3/4	177,287	3/4	192,458	3/4	207,006	3/4	220,124	3/4		3/4		3/4		3/4		3/4	
8	162,376	8	177,604	8	192,770	8	207,301	8	220,306	8		8		8		8		8	
1/4	162,693	1/4	177,921	1/4	193,080	1/4	207,595	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,011	1/2	178,239	1/2	193,390	1/2	207,889	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,328	3/4	178,556	3/4	193,701	3/4	208,183	3/4		3/4		3/4		3/4		3/4		3/4	
9	163,645	9	178,873	9	194,011	9	208,477	9		9		9		9		9		9	
1/4	163,962	1/4	179,190	1/4	194,320	1/4	208,770	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,280	1/2	179,508	1/2	194,629	1/2	209,063	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,597	3/4	179,825	3/4	194,938	3/4	209,356	3/4		3/4		3/4		3/4		3/4		3/4	
10	164,914	10	180,142	10	195,247	10	209,649	10		10		10		10		10		10	
1/4	165,231	1/4	180,459	1/4	195,555	1/4	209,941	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	165,549	1/2	180,777	1/2	195,863	1/2	210,232	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	165,866	3/4	181,094	3/4	196,171	3/4	210,524	3/4		3/4		3/4		3/4		3/4		3/4	
11	166,183	11	181,411	11	196,479	11	210,816	11		11		11		11		11		11	
1/4	166,500	1/4	181,728	1/4	196,785	1/4	211,103	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	166,818	1/2	182,046	1/2	197,092	1/2	211,390	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	167,135	3/4	182,363	3/4	197,399	3/4	211,678	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/26/2013 CL  
CALCULATED: 09/27/2013 CL  
PRINTED: 09/27/2013 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2013

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



# BARGE "CBC 388"

## 2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	961	0	15,182	0	30,361	0	45,529	0	60,698	0	75,876	0	91,055	0	106,234	0	121,409	0	136,582
1/4	1,146	1/4	15,499	1/4	30,677	1/4	45,845	1/4	61,014	1/4	76,193	1/4	91,372	1/4	106,550	1/4	121,725	1/4	136,898
1/2	1,330	1/2	15,815	1/2	30,993	1/2	46,161	1/2	61,330	1/2	76,509	1/2	91,688	1/2	106,867	1/2	122,041	1/2	137,215
3/4	1,514	3/4	16,131	3/4	31,309	3/4	46,476	3/4	61,646	3/4	76,825	3/4	92,004	3/4	107,183	3/4	122,357	3/4	137,531
1	1,699	1	16,447	1	31,626	1	46,792	1	61,963	1	77,141	1	92,320	1	107,499	1	122,673	1	137,847
1/4	1,936	1/4	16,763	1/4	31,942	1/4	47,108	1/4	62,279	1/4	77,458	1/4	92,636	1/4	107,815	1/4	122,990	1/4	138,163
1/2	2,173	1/2	17,080	1/2	32,258	1/2	47,423	1/2	62,595	1/2	77,774	1/2	92,953	1/2	108,132	1/2	123,306	1/2	138,479
3/4	2,410	3/4	17,396	3/4	32,574	3/4	47,739	3/4	62,911	3/4	78,090	3/4	93,269	3/4	108,448	3/4	123,622	3/4	138,795
2	2,647	2	17,712	2	32,891	2	48,055	2	63,227	2	78,406	2	93,585	2	108,764	2	123,938	2	139,111
1/4	2,937	1/4	18,028	1/4	33,207	1/4	48,370	1/4	63,544	1/4	78,723	1/4	93,901	1/4	109,080	1/4	124,254	1/4	139,427
1/2	3,227	1/2	18,345	1/2	33,523	1/2	48,686	1/2	63,860	1/2	79,039	1/2	94,218	1/2	109,396	1/2	124,570	1/2	139,744
3/4	3,517	3/4	18,661	3/4	33,839	3/4	49,002	3/4	64,176	3/4	79,355	3/4	94,534	3/4	109,713	3/4	124,886	3/4	140,060
3	3,806	3	18,977	3	34,155	3	49,318	3	64,492	3	79,671	3	94,850	3	110,029	3	125,202	3	140,376
1/4	4,121	1/4	19,293	1/4	34,472	1/4	49,633	1/4	64,809	1/4	79,987	1/4	95,166	1/4	110,345	1/4	125,518	1/4	140,692
1/2	4,436	1/2	19,609	1/2	34,788	1/2	49,949	1/2	65,125	1/2	80,304	1/2	95,483	1/2	110,661	1/2	125,835	1/2	141,008
3/4	4,751	3/4	19,926	3/4	35,104	3/4	50,265	3/4	65,441	3/4	80,620	3/4	95,799	3/4	110,977	3/4	126,151	3/4	141,324
4	5,065	4	20,242	4	35,420	4	50,580	4	65,757	4	80,936	4	96,115	4	111,293	4	126,467	4	141,640
1/4	5,381	1/4	20,558	1/4	35,737	1/4	50,896	1/4	66,073	1/4	81,252	1/4	96,431	1/4	111,609	1/4	126,783	1/4	141,956
1/2	5,697	1/2	20,874	1/2	36,053	1/2	51,212	1/2	66,390	1/2	81,569	1/2	96,747	1/2	111,926	1/2	127,099	1/2	142,272
3/4	6,013	3/4	21,191	3/4	36,369	3/4	51,528	3/4	66,706	3/4	81,885	3/4	97,064	3/4	112,242	3/4	127,415	3/4	142,589
5	6,328	5	21,507	5	36,685	5	51,843	5	67,022	5	82,201	5	97,380	5	112,558	5	127,731	5	142,905
1/4	6,645	1/4	21,823	1/4	37,001	1/4	52,160	1/4	67,338	1/4	82,517	1/4	97,696	1/4	112,874	1/4	128,047	1/4	143,221
1/2	6,961	1/2	22,139	1/2	37,318	1/2	52,476	1/2	67,655	1/2	82,833	1/2	98,012	1/2	113,190	1/2	128,363	1/2	143,537
3/4	7,277	3/4	22,455	3/4	37,634	3/4	52,792	3/4	67,971	3/4	83,150	3/4	98,329	3/4	113,506	3/4	128,680	3/4	143,853
6	7,593	6	22,772	6	37,950	6	53,108	6	68,287	6	83,466	6	98,645	6	113,822	6	128,996	6	144,169
1/4	7,909	1/4	23,088	1/4	38,266	1/4	53,424	1/4	68,603	1/4	83,782	1/4	98,961	1/4	114,138	1/4	129,312	1/4	144,485
1/2	8,226	1/2	23,404	1/2	38,582	1/2	53,741	1/2	68,920	1/2	84,098	1/2	99,277	1/2	114,454	1/2	129,628	1/2	144,801
3/4	8,542	3/4	23,720	3/4	38,899	3/4	54,057	3/4	69,236	3/4	84,415	3/4	99,593	3/4	114,771	3/4	129,944	3/4	145,117
7	8,858	7	24,036	7	39,215	7	54,373	7	69,552	7	84,731	7	99,910	7	115,087	7	130,260	7	145,434
1/4	9,174	1/4	24,353	1/4	39,531	1/4	54,689	1/4	69,868	1/4	85,047	1/4	100,226	1/4	115,403	1/4	130,576	1/4	145,750
1/2	9,490	1/2	24,669	1/2	39,846	1/2	55,006	1/2	70,184	1/2	85,363	1/2	100,542	1/2	115,719	1/2	130,892	1/2	146,066
3/4	9,807	3/4	24,985	3/4	40,162	3/4	55,322	3/4	70,501	3/4	85,679	3/4	100,858	3/4	116,035	3/4	131,208	3/4	146,382
8	10,123	8	25,301	8	40,478	8	55,638	8	70,817	8	85,996	8	101,175	8	116,351	8	131,525	8	146,698
1/4	10,439	1/4	25,618	1/4	40,793	1/4	55,954	1/4	71,133	1/4	86,312	1/4	101,491	1/4	116,667	1/4	131,841	1/4	147,014
1/2	10,755	1/2	25,934	1/2	41,109	1/2	56,270	1/2	71,449	1/2	86,628	1/2	101,807	1/2	116,983	1/2	132,157	1/2	147,330
3/4	11,072	3/4	26,250	3/4	41,425	3/4	56,587	3/4	71,766	3/4	86,944	3/4	102,123	3/4	117,299	3/4	132,473	3/4	147,646
9	11,388	9	26,566	9	41,741	9	56,903	9	72,082	9	87,261	9	102,439	9	117,616	9	132,789	9	147,962
1/4	11,704	1/4	26,882	1/4	42,056	1/4	57,219	1/4	72,398	1/4	87,577	1/4	102,756	1/4	117,932	1/4	133,105	1/4	148,279
1/2	12,020	1/2	27,199	1/2	42,372	1/2	57,535	1/2	72,714	1/2	87,893	1/2	103,072	1/2	118,248	1/2	133,421	1/2	148,595
3/4	12,336	3/4	27,515	3/4	42,688	3/4	57,852	3/4	73,030	3/4	88,209	3/4	103,388	3/4	118,564	3/4	133,737	3/4	148,911
10	12,653	10	27,831	10	43,003	10	58,168	10	73,347	10	88,526	10	103,704	10	118,880	10	134,053	10	149,227
1/4	12,969	1/4	28,147	1/4	43,319	1/4	58,484	1/4	73,663	1/4	88,842	1/4	104,021	1/4	119,196	1/4	134,370	1/4	149,543
1/2	13,285	1/2	28,464	1/2	43,635	1/2	58,800	1/2	73,979	1/2	89,158	1/2	104,337	1/2	119,512	1/2	134,686	1/2	149,859
3/4	13,601	3/4	28,780	3/4	43,951	3/4	59,117	3/4	74,295	3/4	89,474	3/4	104,653	3/4	119,828	3/4	135,002	3/4	150,175
11	13,917	11	29,096	11	44,266	11	59,433	11	74,612	11	89,790	11	104,969	11	120,145	11	135,318	11	150,491
1/4	14,234	1/4	29,412	1/4	44,582	1/4	59,749	1/4	74,928	1/4	90,107	1/4	105,286	1/4	120,461	1/4	135,634	1/4	150,807
1/2	14,550	1/2	29,728	1/2	44,898	1/2	60,065	1/2	75,244	1/2	90,423	1/2	105,602	1/2	120,777	1/2	135,950	1/2	151,124
3/4	14,866	3/4	30,045	3/4	45,213	3/4	60,381	3/4	75,560	3/4	90,739	3/4	105,918	3/4	121,093	3/4	136,266	3/4	151,440

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 TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "CBC 388"

## 2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	151,756	0	166,929	0	182,103	0	197,074	0	211,283	0		0		0		0		0	
1/4	152,072	1/4	167,245	1/4	182,419	1/4	197,378	1/4	211,568	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	152,388	1/2	167,561	1/2	182,735	1/2	197,682	1/2	211,854	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	152,704	3/4	167,878	3/4	183,051	3/4	197,987	3/4	212,139	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	153,020	1	168,194	1	183,367	1	198,291	1	212,424	1	1	1	1	1	1	1	1	1	1
1/4	153,336	1/4	168,510	1/4	183,683	1/4	198,593	1/4	212,708	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	153,652	1/2	168,826	1/2	183,999	1/2	198,894	1/2	212,992	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	153,969	3/4	169,142	3/4	184,315	3/4	199,196	3/4	213,275	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	154,285	2	169,458	2	184,632	2	199,498	2	213,559	2	2	2	2	2	2	2	2	2	2
1/4	154,601	1/4	169,774	1/4	184,948	1/4	199,798	1/4	213,842	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	154,917	1/2	170,090	1/2	185,264	1/2	200,099	1/2	214,124	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	155,233	3/4	170,406	3/4	185,580	3/4	200,399	3/4	214,407	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	155,549	3	170,723	3	185,896	3	200,700	3	214,690	3	3	3	3	3	3	3	3	3	3
1/4	155,865	1/4	171,039	1/4	186,212	1/4	200,999	1/4	214,971	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	156,181	1/2	171,355	1/2	186,527	1/2	201,299	1/2	215,251	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	156,497	3/4	171,671	3/4	186,843	3/4	201,598	3/4	215,532	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	156,814	4	171,987	4	187,158	4	201,897	4	215,813	4	4	4	4	4	4	4	4	4	4
1/4	157,130	1/4	172,303	1/4	187,472	1/4	202,195	1/4	216,092	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	157,446	1/2	172,619	1/2	187,787	1/2	202,493	1/2	216,371	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	157,762	3/4	172,935	3/4	188,101	3/4	202,791	3/4	216,649	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	158,078	5	173,251	5	188,415	5	203,089	5	216,928	5	5	5	5	5	5	5	5	5	5
1/4	158,394	1/4	173,568	1/4	188,728	1/4	203,386	1/4	217,180	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	158,710	1/2	173,884	1/2	189,041	1/2	203,683	1/2	217,433	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	159,026	3/4	174,200	3/4	189,354	3/4	203,980	3/4	217,685	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	159,343	6	174,516	6	189,667	6	204,276	6	217,938	6	6	6	6	6	6	6	6	6	6
1/4	159,659	1/4	174,832	1/4	189,979	1/4	204,572	1/4	218,171	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	159,975	1/2	175,148	1/2	190,291	1/2	204,867	1/2	218,403	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	160,291	3/4	175,464	3/4	190,602	3/4	205,163	3/4	218,636	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	160,607	7	175,780	7	190,914	7	205,458	7	218,869	7	7	7	7	7	7	7	7	7	7
1/4	160,923	1/4	176,096	1/4	191,224	1/4	205,753	1/4	219,051	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	161,239	1/2	176,413	1/2	191,535	1/2	206,047	1/2	219,232	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	161,555	3/4	176,729	3/4	191,845	3/4	206,341	3/4	219,413	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	161,871	8	177,045	8	192,156	8	206,636	8	219,595	8	8	8	8	8	8	8	8	8	8
1/4	162,188	1/4	177,361	1/4	192,465	1/4	206,929	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	162,504	1/2	177,677	1/2	192,774	1/2	207,222	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	162,820	3/4	177,993	3/4	193,084	3/4	207,515	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	163,136	9	178,309	9	193,393	9	207,808	9		9	9	9	9	9	9	9	9	9	9
1/4	163,452	1/4	178,625	1/4	193,701	1/4	208,100	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	163,768	1/2	178,941	1/2	194,009	1/2	208,391	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	164,084	3/4	179,258	3/4	194,317	3/4	208,683	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	164,400	10	179,574	10	194,625	10	208,975	10		10	10	10	10	10	10	10	10	10	10
1/4	164,716	1/4	179,890	1/4	194,932	1/4	209,266	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	165,033	1/2	180,206	1/2	195,238	1/2	209,556	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	165,349	3/4	180,522	3/4	195,545	3/4	209,847	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	165,665	11	180,838	11	195,852	11	210,138	11		11	11	11	11	11	11	11	11	11	11
1/4	165,981	1/4	181,154	1/4	196,157	1/4	210,424	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	166,297	1/2	181,470	1/2	196,463	1/2	210,711	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	166,613	3/4	181,787	3/4	196,768	3/4	210,997	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: 09/26/2013 CL  
CALCULATED: 09/27/2013 CL  
PRINTED: 09/27/2013 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2013

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



# BARGE "CBC 388"

## 2 STBD

### INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-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	962	0	15,188	0	30,372	0	45,212	0	60,052	0	75,237	0	90,421	0	105,606	0	120,786	0	135,965
1/4	1,146	1/4	15,504	1/4	30,688	1/4	45,514	1/4	60,369	1/4	75,553	1/4	90,738	1/4	105,922	1/4	121,102	1/4	136,281
1/2	1,330	1/2	15,821	1/2	31,004	1/2	45,816	1/2	60,685	1/2	75,869	1/2	91,054	1/2	106,239	1/2	121,419	1/2	136,598
3/4	1,515	3/4	16,137	3/4	31,321	3/4	46,117	3/4	61,001	3/4	76,186	3/4	91,370	3/4	106,555	3/4	121,735	3/4	136,914
1	1,699	1	16,453	1	31,637	1	46,419	1	61,318	1	76,502	1	91,687	1	106,871	1	122,051	1	137,230
1/4	1,937	1/4	16,770	1/4	31,953	1/4	46,721	1/4	61,634	1/4	76,818	1/4	92,003	1/4	107,188	1/4	122,367	1/4	137,546
1/2	2,174	1/2	17,086	1/2	32,270	1/2	47,023	1/2	61,950	1/2	77,135	1/2	92,319	1/2	107,504	1/2	122,684	1/2	137,862
3/4	2,411	3/4	17,402	3/4	32,586	3/4	47,325	3/4	62,267	3/4	77,451	3/4	92,636	3/4	107,820	3/4	123,000	3/4	138,179
2	2,648	2	17,719	2	32,902	2	47,627	2	62,583	2	77,768	2	92,952	2	108,137	2	123,316	2	138,495
1/4	2,938	1/4	18,035	1/4	33,219	1/4	47,929	1/4	62,899	1/4	78,084	1/4	93,268	1/4	108,453	1/4	123,632	1/4	138,811
1/2	3,228	1/2	18,351	1/2	33,535	1/2	48,231	1/2	63,216	1/2	78,400	1/2	93,585	1/2	108,769	1/2	123,948	1/2	139,127
3/4	3,518	3/4	18,668	3/4	33,851	3/4	48,533	3/4	63,532	3/4	78,717	3/4	93,901	3/4	109,086	3/4	124,265	3/4	139,444
3	3,808	3	18,984	3	34,168	3	48,835	3	63,848	3	79,033	3	94,217	3	109,402	3	124,581	3	139,760
1/4	4,123	1/4	19,300	1/4	34,484	1/4	49,137	1/4	64,165	1/4	79,349	1/4	94,534	1/4	109,718	1/4	124,897	1/4	140,076
1/2	4,438	1/2	19,617	1/2	34,800	1/2	49,439	1/2	64,481	1/2	79,666	1/2	94,850	1/2	110,034	1/2	125,213	1/2	140,392
3/4	4,752	3/4	19,933	3/4	35,117	3/4	49,741	3/4	64,797	3/4	79,982	3/4	95,166	3/4	110,351	3/4	125,530	3/4	140,708
4	5,067	4	20,249	4	35,433	4	50,042	4	65,114	4	80,298	4	95,483	4	110,667	4	125,846	4	141,025
1/4	5,383	1/4	20,565	1/4	35,749	1/4	50,344	1/4	65,430	1/4	80,615	1/4	95,799	1/4	110,983	1/4	126,162	1/4	141,341
1/2	5,699	1/2	20,882	1/2	36,066	1/2	50,646	1/2	65,746	1/2	80,931	1/2	96,116	1/2	111,299	1/2	126,478	1/2	141,657
3/4	6,015	3/4	21,198	3/4	36,382	3/4	50,948	3/4	66,063	3/4	81,247	3/4	96,432	3/4	111,616	3/4	126,794	3/4	141,973
5	6,331	5	21,514	5	36,698	5	51,250	5	66,379	5	81,564	5	96,748	5	111,932	5	127,111	5	142,290
1/4	6,647	1/4	21,831	1/4	37,015	1/4	51,553	1/4	66,695	1/4	81,880	1/4	97,065	1/4	112,248	1/4	127,427	1/4	142,606
1/2	6,963	1/2	22,147	1/2	37,331	1/2	51,855	1/2	67,012	1/2	82,196	1/2	97,381	1/2	112,564	1/2	127,743	1/2	142,922
3/4	7,280	3/4	22,463	3/4	37,647	3/4	52,157	3/4	67,328	3/4	82,513	3/4	97,697	3/4	112,880	3/4	128,059	3/4	143,238
6	7,596	6	22,780	6	37,964	6	52,460	6	67,644	6	82,829	6	98,014	6	113,197	6	128,376	6	143,555
1/4	7,912	1/4	23,096	1/4	38,266	1/4	52,776	1/4	67,961	1/4	83,145	1/4	98,330	1/4	113,513	1/4	128,692	1/4	143,871
1/2	8,229	1/2	23,412	1/2	38,569	1/2	53,093	1/2	68,277	1/2	83,462	1/2	98,646	1/2	113,829	1/2	129,008	1/2	144,187
3/4	8,545	3/4	23,729	3/4	38,871	3/4	53,409	3/4	68,594	3/4	83,778	3/4	98,963	3/4	114,145	3/4	129,324	3/4	144,503
7	8,861	7	24,045	7	39,173	7	53,725	7	68,910	7	84,094	7	99,279	7	114,462	7	129,641	7	144,819
1/4	9,178	1/4	24,361	1/4	39,475	1/4	54,042	1/4	69,226	1/4	84,411	1/4	99,595	1/4	114,778	1/4	129,957	1/4	145,136
1/2	9,494	1/2	24,678	1/2	39,777	1/2	54,358	1/2	69,543	1/2	84,727	1/2	99,912	1/2	115,094	1/2	130,273	1/2	145,452
3/4	9,810	3/4	24,994	3/4	40,079	3/4	54,674	3/4	69,859	3/4	85,043	3/4	100,228	3/4	115,410	3/4	130,589	3/4	145,768
8	10,127	8	25,310	8	40,381	8	54,991	8	70,175	8	85,360	8	100,544	8	115,727	8	130,905	8	146,084
1/4	10,443	1/4	25,627	1/4	40,683	1/4	55,307	1/4	70,492	1/4	85,676	1/4	100,861	1/4	116,043	1/4	131,222	1/4	146,401
1/2	10,759	1/2	25,943	1/2	40,985	1/2	55,623	1/2	70,808	1/2	85,992	1/2	101,177	1/2	116,359	1/2	131,538	1/2	146,717
3/4	11,076	3/4	26,259	3/4	41,287	3/4	55,940	3/4	71,124	3/4	86,309	3/4	101,493	3/4	116,675	3/4	131,854	3/4	147,033
9	11,392	9	26,576	9	41,589	9	56,256	9	71,441	9	86,625	9	101,810	9	116,991	9	132,170	9	147,349
1/4	11,708	1/4	26,892	1/4	41,891	1/4	56,572	1/4	71,757	1/4	86,942	1/4	102,126	1/4	117,308	1/4	132,487	1/4	147,665
1/2	12,025	1/2	27,208	1/2	42,192	1/2	56,889	1/2	72,073	1/2	87,258	1/2	102,442	1/2	117,624	1/2	132,803	1/2	147,982
3/4	12,341	3/4	27,525	3/4	42,494	3/4	57,205	3/4	72,390	3/4	87,574	3/4	102,759	3/4	117,940	3/4	133,119	3/4	148,298
10	12,657	10	27,841	10	42,796	10	57,521	10	72,706	10	87,891	10	103,075	10	118,256	10	133,435	10	148,614
1/4	12,974	1/4	28,157	1/4	43,098	1/4	57,838	1/4	73,022	1/4	88,207	1/4	103,391	1/4	118,573	1/4	133,751	1/4	148,930
1/2	13,290	1/2	28,474	1/2	43,400	1/2	58,154	1/2	73,339	1/2	88,523	1/2	103,708	1/2	118,889	1/2	134,068	1/2	149,247
3/4	13,606	3/4	28,790	3/4	43,702	3/4	58,470	3/4	73,655	3/4	88,840	3/4	104,024	3/4	119,205	3/4	134,384	3/4	149,563
11	13,923	11	29,106	11	44,004	11	58,787	11	73,971	11	89,156	11	104,340	11	119,521	11	134,700	11	149,879
1/4	14,239	1/4	29,423	1/4	44,306	1/4	59,103	1/4	74,288	1/4	89,472	1/4	104,657	1/4	119,837	1/4	135,016	1/4	150,195
1/2	14,555	1/2	29,739	1/2	44,608	1/2	59,420	1/2	74,604	1/2	89,789	1/2	104,973	1/2	120,154	1/2	135,333	1/2	150,512
3/4	14,872	3/4	30,055	3/4	44,910	3/4	59,736	3/4	74,920	3/4	90,105	3/4	105,289	3/4	120,470	3/4	135,649	3/4	150,828

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 TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "CBC 388"

**2 STBD  
INNAGE TABLE**

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-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	151,144	0	166,323	0	181,502	0	196,478	0	210,692	0		0		0		0		0	
1/4	151,460	1/4	166,639	1/4	181,818	1/4	196,782	1/4	210,978	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	151,776	1/2	166,955	1/2	182,134	1/2	197,086	1/2	211,263	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	152,093	3/4	167,272	3/4	182,450	3/4	197,391	3/4	211,548	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	152,409	1	167,588	1	182,767	1	197,695	1	211,833	1	1	1	1	1	1	1	1	1	1
1/4	152,725	1/4	167,904	1/4	183,083	1/4	197,997	1/4	212,117	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	153,041	1/2	168,220	1/2	183,399	1/2	198,299	1/2	212,401	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	153,358	3/4	168,536	3/4	183,715	3/4	198,601	3/4	212,685	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	153,674	2	168,853	2	184,032	2	198,903	2	212,969	2	2	2	2	2	2	2	2	2	2
1/4	153,990	1/4	169,169	1/4	184,348	1/4	199,203	1/4	213,252	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	154,306	1/2	169,485	1/2	184,664	1/2	199,504	1/2	213,535	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	154,622	3/4	169,801	3/4	184,980	3/4	199,805	3/4	213,817	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	154,939	3	170,118	3	185,296	3	200,105	3	214,100	3	3	3	3	3	3	3	3	3	3
1/4	155,255	1/4	170,434	1/4	185,612	1/4	200,405	1/4	214,381	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	155,571	1/2	170,750	1/2	185,927	1/2	200,704	1/2	214,662	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	155,887	3/4	171,066	3/4	186,243	3/4	201,003	3/4	214,943	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	156,204	4	171,382	4	186,558	4	201,303	4	215,224	4	4	4	4	4	4	4	4	4	4
1/4	156,520	1/4	171,699	1/4	186,873	1/4	201,601	1/4	215,503	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	156,836	1/2	172,015	1/2	187,187	1/2	201,899	1/2	215,782	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	157,152	3/4	172,331	3/4	187,501	3/4	202,197	3/4	216,060	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	157,468	5	172,647	5	187,816	5	202,495	5	216,339	5	5	5	5	5	5	5	5	5	5
1/4	157,785	1/4	172,964	1/4	188,129	1/4	202,792	1/4	216,592	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	158,101	1/2	173,280	1/2	188,442	1/2	203,089	1/2	216,844	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	158,417	3/4	173,596	3/4	188,755	3/4	203,386	3/4	217,097	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	158,733	6	173,912	6	189,068	6	203,683	6	217,349	6	6	6	6	6	6	6	6	6	6
1/4	159,050	1/4	174,229	1/4	189,380	1/4	203,979	1/4	217,582	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	159,366	1/2	174,545	1/2	189,692	1/2	204,274	1/2	217,815	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	159,682	3/4	174,861	3/4	190,004	3/4	204,570	3/4	218,048	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	159,998	7	175,177	7	190,316	7	204,865	7	218,281	7	7	7	7	7	7	7	7	7	7
1/4	160,315	1/4	175,493	1/4	190,626	1/4	205,160	1/4	218,463	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	160,631	1/2	175,810	1/2	190,937	1/2	205,454	1/2	218,644	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	160,947	3/4	176,126	3/4	191,247	3/4	205,749	3/4	218,826	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	161,263	8	176,442	8	191,558	8	206,043	8	219,007	8	8	8	8	8	8	8	8	8	8
1/4	161,579	1/4	176,758	1/4	191,867	1/4	206,336	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	161,896	1/2	177,075	1/2	192,177	1/2	206,629	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	162,212	3/4	177,391	3/4	192,486	3/4	206,922	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	162,528	9	177,707	9	192,795	9	207,216	9		9	9	9	9	9	9	9	9	9	9
1/4	162,844	1/4	178,023	1/4	193,104	1/4	207,508	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	163,161	1/2	178,339	1/2	193,412	1/2	207,799	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	163,477	3/4	178,656	3/4	193,720	3/4	208,091	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	163,793	10	178,972	10	194,028	10	208,383	10	10	10	10	10	10	10	10	10	10	10	10
1/4	164,109	1/4	179,288	1/4	194,335	1/4	208,674	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	164,425	1/2	179,604	1/2	194,642	1/2	208,965	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	164,742	3/4	179,921	3/4	194,948	3/4	209,256	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	165,058	11	180,237	11	195,255	11	209,546	11		11	11	11	11	11	11	11	11	11	11
1/4	165,374	1/4	180,553	1/4	195,561	1/4	209,833	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	165,690	1/2	180,869	1/2	195,867	1/2	210,119	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	166,007	3/4	181,186	3/4	196,172	3/4	210,406	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: 09/26/2013 CL  
CALCULATED: 09/27/2013 CL  
PRINTED: 09/27/2013 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2013

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



# BARGE "CBC 388"

## 3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-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	958	0	15,124	0	30,245	0	45,356	0	60,470	0	75,591	0	90,711	0	105,828	0	120,937	0	136,009
1/4	1,141	1/4	15,439	1/4	30,560	1/4	45,671	1/4	60,785	1/4	75,906	1/4	91,026	1/4	106,143	1/4	121,252	1/4	136,322
1/2	1,325	1/2	15,754	1/2	30,875	1/2	45,985	1/2	61,100	1/2	76,221	1/2	91,341	1/2	106,458	1/2	121,566	1/2	136,634
3/4	1,509	3/4	16,069	3/4	31,190	3/4	46,300	3/4	61,415	3/4	76,536	3/4	91,656	3/4	106,773	3/4	121,880	3/4	136,947
1	1,693	1	16,384	1	31,505	1	46,615	1	61,730	1	76,851	1	91,970	1	107,088	1	122,195	1	137,260
1/4	1,929	1/4	16,699	1/4	31,820	1/4	46,929	1/4	62,045	1/4	77,166	1/4	92,285	1/4	107,403	1/4	122,509	1/4	137,573
1/2	2,165	1/2	17,014	1/2	32,135	1/2	47,244	1/2	62,360	1/2	77,481	1/2	92,600	1/2	107,718	1/2	122,823	1/2	137,886
3/4	2,401	3/4	17,329	3/4	32,450	3/4	47,559	3/4	62,675	3/4	77,796	3/4	92,915	3/4	108,033	3/4	123,138	3/4	138,199
2	2,637	2	17,644	2	32,765	2	47,873	2	62,990	2	78,111	2	93,230	2	108,348	2	123,452	2	138,512
1/4	2,926	1/4	17,959	1/4	33,080	1/4	48,188	1/4	63,305	1/4	78,426	1/4	93,545	1/4	108,663	1/4	123,766	1/4	138,825
1/2	3,215	1/2	18,274	1/2	33,395	1/2	48,502	1/2	63,620	1/2	78,741	1/2	93,860	1/2	108,978	1/2	124,081	1/2	139,138
3/4	3,503	3/4	18,589	3/4	33,710	3/4	48,817	3/4	63,935	3/4	79,056	3/4	94,175	3/4	109,292	3/4	124,395	3/4	139,451
3	3,792	3	18,904	3	34,025	3	49,132	3	64,250	3	79,371	3	94,490	3	109,607	3	124,709	3	139,764
1/4	4,106	1/4	19,219	1/4	34,340	1/4	49,446	1/4	64,565	1/4	79,686	1/4	94,805	1/4	109,922	1/4	125,024	1/4	140,077
1/2	4,419	1/2	19,534	1/2	34,655	1/2	49,761	1/2	64,880	1/2	80,001	1/2	95,120	1/2	110,237	1/2	125,338	1/2	140,391
3/4	4,733	3/4	19,849	3/4	34,970	3/4	50,076	3/4	65,195	3/4	80,316	3/4	95,435	3/4	110,552	3/4	125,652	3/4	140,704
4	5,046	4	20,164	4	35,285	4	50,390	4	65,510	4	80,631	4	95,750	4	110,867	4	125,967	4	141,018
1/4	5,361	1/4	20,479	1/4	35,600	1/4	50,705	1/4	65,826	1/4	80,946	1/4	96,065	1/4	111,182	1/4	126,281	1/4	141,331
1/2	5,675	1/2	20,794	1/2	35,915	1/2	51,020	1/2	66,141	1/2	81,261	1/2	96,380	1/2	111,497	1/2	126,595	1/2	141,645
3/4	5,990	3/4	21,109	3/4	36,230	3/4	51,335	3/4	66,456	3/4	81,576	3/4	96,695	3/4	111,812	3/4	126,910	3/4	141,958
5	6,304	5	21,424	5	36,545	5	51,650	5	66,771	5	81,891	5	97,010	5	112,127	5	127,224	5	142,272
1/4	6,619	1/4	21,739	1/4	36,860	1/4	51,965	1/4	67,086	1/4	82,206	1/4	97,325	1/4	112,441	1/4	127,538	1/4	142,586
1/2	6,934	1/2	22,054	1/2	37,175	1/2	52,280	1/2	67,401	1/2	82,521	1/2	97,640	1/2	112,756	1/2	127,853	1/2	142,899
3/4	7,249	3/4	22,369	3/4	37,490	3/4	52,595	3/4	67,716	3/4	82,836	3/4	97,954	3/4	113,071	3/4	128,167	3/4	143,213
6	7,564	6	22,684	6	37,805	6	52,910	6	68,031	6	83,151	6	98,269	6	113,386	6	128,482	6	143,526
1/4	7,879	1/4	22,999	1/4	38,119	1/4	53,225	1/4	68,346	1/4	83,466	1/4	98,584	1/4	113,701	1/4	128,796	1/4	143,840
1/2	8,194	1/2	23,314	1/2	38,434	1/2	53,540	1/2	68,661	1/2	83,781	1/2	98,899	1/2	114,016	1/2	129,110	1/2	144,153
3/4	8,509	3/4	23,629	3/4	38,749	3/4	53,855	3/4	68,976	3/4	84,096	3/4	99,214	3/4	114,331	3/4	129,425	3/4	144,467
7	8,824	7	23,944	7	39,064	7	54,170	7	69,291	7	84,412	7	99,529	7	114,646	7	129,739	7	144,781
1/4	9,139	1/4	24,259	1/4	39,378	1/4	54,485	1/4	69,606	1/4	84,727	1/4	99,844	1/4	114,961	1/4	130,053	1/4	145,094
1/2	9,454	1/2	24,574	1/2	39,693	1/2	54,800	1/2	69,921	1/2	85,042	1/2	100,159	1/2	115,275	1/2	130,368	1/2	145,408
3/4	9,769	3/4	24,889	3/4	40,008	3/4	55,115	3/4	70,236	3/4	85,357	3/4	100,474	3/4	115,590	3/4	130,682	3/4	145,721
8	10,084	8	25,204	8	40,322	8	55,430	8	70,551	8	85,672	8	100,789	8	115,905	8	130,996	8	146,035
1/4	10,399	1/4	25,519	1/4	40,637	1/4	55,745	1/4	70,866	1/4	85,987	1/4	101,104	1/4	116,220	1/4	131,311	1/4	146,348
1/2	10,714	1/2	25,834	1/2	40,952	1/2	56,060	1/2	71,181	1/2	86,301	1/2	101,419	1/2	116,535	1/2	131,625	1/2	146,662
3/4	11,029	3/4	26,149	3/4	41,266	3/4	56,375	3/4	71,496	3/4	86,616	3/4	101,734	3/4	116,850	3/4	131,939	3/4	146,976
9	11,344	9	26,465	9	41,581	9	56,690	9	71,811	9	86,931	9	102,049	9	117,165	9	132,254	9	147,289
1/4	11,659	1/4	26,780	1/4	41,895	1/4	57,005	1/4	72,126	1/4	87,246	1/4	102,364	1/4	117,479	1/4	132,567	1/4	147,599
1/2	11,974	1/2	27,095	1/2	42,210	1/2	57,320	1/2	72,441	1/2	87,561	1/2	102,679	1/2	117,794	1/2	132,880	1/2	147,899
3/4	12,289	3/4	27,410	3/4	42,525	3/4	57,635	3/4	72,756	3/4	87,876	3/4	102,994	3/4	118,108	3/4	133,192	3/4	147,997
10	12,604	10	27,725	10	42,839	10	57,950	10	73,071	10	88,191	10	103,309	10	118,422	10	133,505	10	147,967
1/4	12,919	1/4	28,040	1/4	43,154	1/4	58,265	1/4	73,386	1/4	88,506	1/4	103,623	1/4	118,737	1/4	133,818	1/4	148,136
1/2	13,234	1/2	28,355	1/2	43,469	1/2	58,580	1/2	73,701	1/2	88,821	1/2	103,938	1/2	119,051	1/2	134,131	1/2	148,306
3/4	13,549	3/4	28,670	3/4	43,783	3/4	58,895	3/4	74,016	3/4	89,136	3/4	104,253	3/4	119,365	3/4	134,444	3/4	148,475
11	13,864	11	28,985	11	44,098	11	59,210	11	74,331	11	89,451	11	104,568	11	119,680	11	134,757	11	148,644
1/4	14,179	1/4	29,300	1/4	44,412	1/4	59,525	1/4	74,646	1/4	89,766	1/4	104,883	1/4	119,994	1/4	135,070	1/4	148,814
1/2	14,494	1/2	29,615	1/2	44,727	1/2	59,840	1/2	74,961	1/2	90,081	1/2	105,198	1/2	120,308	1/2	135,383	1/2	148,983
3/4	14,809	3/4	29,930	3/4	45,042	3/4	60,155	3/4	75,276	3/4	90,396	3/4	105,513	3/4	120,623	3/4	135,696	3/4	149,153

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 TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 55'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "CBC 388"

## 3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-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	149,322	0	157,453	0	165,585	0	173,608	0	181,225	0		0		0		0		0	
1/4	149,491	1/4	157,623	1/4	165,754	1/4	173,771	1/4	181,378	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	149,661	1/2	157,792	1/2	165,923	1/2	173,934	1/2	181,530	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	149,830	3/4	157,961	3/4	166,093	3/4	174,097	3/4	181,683	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	150,000	1	158,131	1	166,262	1	174,260	1	181,836	1	1	1	1	1	1	1	1	1	1
1/4	150,169	1/4	158,300	1/4	166,432	1/4	174,422	1/4	181,988	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	150,338	1/2	158,470	1/2	166,601	1/2	174,583	1/2	182,140	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	150,508	3/4	158,639	3/4	166,770	3/4	174,745	3/4	182,293	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	150,677	2	158,808	2	166,940	2	174,907	2	182,445	2	2	2	2	2	2	2	2	2	2
1/4	150,847	1/4	158,978	1/4	167,109	1/4	175,068	1/4	182,596	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	151,016	1/2	159,147	1/2	167,279	1/2	175,229	1/2	182,748	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	151,185	3/4	159,317	3/4	167,448	3/4	175,390	3/4	182,899	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	151,355	3	159,486	3	167,617	3	175,551	3	183,050	3	3	3	3	3	3	3	3	3	3
1/4	151,524	1/4	159,655	1/4	167,786	1/4	175,712	1/4	183,201	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	151,694	1/2	159,825	1/2	167,955	1/2	175,872	1/2	183,351	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	151,863	3/4	159,994	3/4	168,124	3/4	176,033	3/4	183,502	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	152,032	4	160,164	4	168,294	4	176,193	4	183,652	4	4	4	4	4	4	4	4	4	4
1/4	152,202	1/4	160,333	1/4	168,462	1/4	176,353	1/4	183,801	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	152,371	1/2	160,502	1/2	168,630	1/2	176,513	1/2	183,949	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	152,541	3/4	160,672	3/4	168,799	3/4	176,673	3/4	184,098	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	152,710	5	160,841	5	168,967	5	176,832	5	184,247	5	5	5	5	5	5	5	5	5	5
1/4	152,879	1/4	161,011	1/4	169,135	1/4	176,991	1/4	184,370	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	153,049	1/2	161,180	1/2	169,303	1/2	177,151	1/2	184,493	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	153,218	3/4	161,349	3/4	169,470	3/4	177,310	3/4	184,616	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	153,388	6	161,519	6	169,638	6	177,469	6	184,739	6	6	6	6	6	6	6	6	6	6
1/4	153,557	1/4	161,688	1/4	169,805	1/4	177,627	1/4	184,828	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	153,726	1/2	161,858	1/2	169,972	1/2	177,786	1/2	184,916	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	153,896	3/4	162,027	3/4	170,139	3/4	177,944	3/4	185,005	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	154,065	7	162,196	7	170,306	7	178,102	7	185,093	7	7	7	7	7	7	7	7	7	7
1/4	154,235	1/4	162,366	1/4	170,473	1/4	178,260	1/4	185,130	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	154,404	1/2	162,535	1/2	170,639	1/2	178,418	1/2	185,166	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	154,573	3/4	162,705	3/4	170,806	3/4	178,576	3/4	185,203	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	154,743	8	162,874	8	170,972	8	178,734	8	185,239	8	8	8	8	8	8	8	8	8	8
1/4	154,912	1/4	163,043	1/4	171,138	1/4	178,891	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	155,082	1/2	163,213	1/2	171,303	1/2	179,048	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	155,251	3/4	163,382	3/4	171,469	3/4	179,205	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	155,420	9	163,552	9	171,635	9	179,362	9		9	9	9	9	9	9	9	9	9	9
1/4	155,590	1/4	163,721	1/4	171,800	1/4	179,518	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	155,759	1/2	163,891	1/2	171,965	1/2	179,675	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	155,929	3/4	164,060	3/4	172,130	3/4	179,831	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	156,098	10	164,229	10	172,295	10	179,988	10		10	10	10	10	10	10	10	10	10	10
1/4	156,267	1/4	164,399	1/4	172,459	1/4	180,144	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	156,437	1/2	164,568	1/2	172,624	1/2	180,299	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	156,606	3/4	164,738	3/4	172,788	3/4	180,455	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	156,776	11	164,907	11	172,953	11	180,611	11		11	11	11	11	11	11	11	11	11	11
1/4	156,945	1/4	165,076	1/4	173,116	1/4	180,764	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	157,114	1/2	165,246	1/2	173,280	1/2	180,918	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	157,284	3/4	165,415	3/4	173,444	3/4	181,071	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: 09/26/2013 CL  
CALCULATED: 09/27/2013 CL  
PRINTED: 09/27/2013 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2013

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



# BARGE "CBC 388"

## 3 STBD

## INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-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	957	0	15,099	0	30,192	0	44,793	0	59,615	0	74,683	0	89,771	0	104,856	0	119,934	0	134,966
1/4	1,141	1/4	15,413	1/4	30,506	1/4	45,093	1/4	59,927	1/4	74,997	1/4	90,085	1/4	105,171	1/4	120,247	1/4	135,278
1/2	1,325	1/2	15,728	1/2	30,821	1/2	45,393	1/2	60,238	1/2	75,312	1/2	90,399	1/2	105,485	1/2	120,561	1/2	135,590
3/4	1,508	3/4	16,042	3/4	31,135	3/4	45,693	3/4	60,550	3/4	75,626	3/4	90,714	3/4	105,799	3/4	120,875	3/4	135,902
1	1,692	1	16,356	1	31,450	1	45,994	1	60,862	1	75,941	1	91,028	1	106,114	1	121,188	1	136,215
1/4	1,928	1/4	16,671	1/4	31,764	1/4	46,294	1/4	61,174	1/4	76,255	1/4	91,342	1/4	106,428	1/4	121,502	1/4	136,527
1/2	2,164	1/2	16,985	1/2	32,079	1/2	46,594	1/2	61,485	1/2	76,569	1/2	91,657	1/2	106,742	1/2	121,815	1/2	136,839
3/4	2,399	3/4	17,300	3/4	32,393	3/4	46,895	3/4	61,797	3/4	76,884	3/4	91,971	3/4	107,056	3/4	122,128	3/4	137,151
2	2,635	2	17,614	2	32,707	2	47,195	2	62,109	2	77,198	2	92,285	2	107,371	2	122,442	2	137,464
1/4	2,923	1/4	17,929	1/4	33,022	1/4	47,495	1/4	62,423	1/4	77,512	1/4	92,599	1/4	107,685	1/4	122,755	1/4	137,776
1/2	3,210	1/2	18,243	1/2	33,336	1/2	47,795	1/2	62,738	1/2	77,827	1/2	92,914	1/2	107,999	1/2	123,068	1/2	138,088
3/4	3,498	3/4	18,558	3/4	33,651	3/4	48,096	3/4	63,052	3/4	78,141	3/4	93,228	3/4	108,314	3/4	123,382	3/4	138,400
3	3,786	3	18,872	3	33,965	3	48,396	3	63,366	3	78,455	3	93,542	3	108,628	3	123,695	3	138,713
1/4	4,099	1/4	19,186	1/4	34,268	1/4	48,708	1/4	63,681	1/4	78,770	1/4	93,857	1/4	108,942	1/4	124,009	1/4	139,025
1/2	4,412	1/2	19,501	1/2	34,570	1/2	49,020	1/2	63,995	1/2	79,084	1/2	94,171	1/2	109,256	1/2	124,322	1/2	139,338
3/4	4,725	3/4	19,815	3/4	34,873	3/4	49,332	3/4	64,309	3/4	79,398	3/4	94,485	3/4	109,570	3/4	124,635	3/4	139,651
4	5,038	4	20,130	4	35,175	4	49,645	4	64,624	4	79,713	4	94,799	4	109,885	4	124,949	4	139,964
1/4	5,352	1/4	20,444	1/4	35,477	1/4	49,955	1/4	64,938	1/4	80,027	1/4	95,114	1/4	110,199	1/4	125,262	1/4	140,277
1/2	5,666	1/2	20,759	1/2	35,778	1/2	50,266	1/2	65,253	1/2	80,341	1/2	95,428	1/2	110,513	1/2	125,575	1/2	140,590
3/4	5,980	3/4	21,073	3/4	36,079	3/4	50,577	3/4	65,567	3/4	80,656	3/4	95,742	3/4	110,827	3/4	125,889	3/4	140,903
5	6,295	5	21,388	5	36,381	5	50,888	5	65,881	5	80,970	5	96,057	5	111,142	5	126,202	5	141,216
1/4	6,609	1/4	21,702	1/4	36,682	1/4	51,199	1/4	66,196	1/4	81,285	1/4	96,371	1/4	111,456	1/4	126,515	1/4	141,529
1/2	6,923	1/2	22,016	1/2	36,983	1/2	51,510	1/2	66,510	1/2	81,599	1/2	96,685	1/2	111,770	1/2	126,829	1/2	141,842
3/4	7,238	3/4	22,331	3/4	37,285	3/4	51,822	3/4	66,824	3/4	81,913	3/4	96,999	3/4	112,084	3/4	127,142	3/4	142,154
6	7,552	6	22,645	6	37,586	6	52,133	6	67,139	6	82,228	6	97,314	6	112,398	6	127,456	6	142,467
1/4	7,867	1/4	22,960	1/4	37,886	1/4	52,444	1/4	67,453	1/4	82,542	1/4	97,628	1/4	112,713	1/4	127,769	1/4	142,780
1/2	8,181	1/2	23,274	1/2	38,187	1/2	52,756	1/2	67,767	1/2	82,856	1/2	97,942	1/2	113,027	1/2	128,082	1/2	143,093
3/4	8,495	3/4	23,589	3/4	38,487	3/4	53,068	3/4	68,082	3/4	83,171	3/4	98,257	3/4	113,341	3/4	128,396	3/4	143,406
7	8,810	7	23,903	7	38,787	7	53,380	7	68,396	7	83,485	7	98,571	7	113,655	7	128,709	7	143,719
1/4	9,124	1/4	24,218	1/4	39,088	1/4	53,691	1/4	68,710	1/4	83,799	1/4	98,885	1/4	113,969	1/4	129,023	1/4	144,032
1/2	9,439	1/2	24,532	1/2	39,388	1/2	54,003	1/2	69,025	1/2	84,114	1/2	99,199	1/2	114,284	1/2	129,336	1/2	144,345
3/4	9,753	3/4	24,846	3/4	39,688	3/4	54,315	3/4	69,339	3/4	84,428	3/4	99,514	3/4	114,598	3/4	129,650	3/4	144,658
8	10,068	8	25,161	8	39,988	8	54,627	8	69,653	8	84,742	8	99,828	8	114,912	8	129,964	8	144,971
1/4	10,382	1/4	25,475	1/4	40,289	1/4	54,938	1/4	69,968	1/4	85,057	1/4	100,142	1/4	115,226	1/4	130,277	1/4	145,283
1/2	10,697	1/2	25,790	1/2	40,589	1/2	55,250	1/2	70,282	1/2	85,371	1/2	100,457	1/2	115,541	1/2	130,591	1/2	145,596
3/4	11,011	3/4	26,104	3/4	40,889	3/4	55,562	3/4	70,597	3/4	85,685	3/4	100,771	3/4	115,855	3/4	130,905	3/4	145,909
9	11,325	9	26,419	9	41,190	9	55,874	9	70,911	9	86,000	9	101,085	9	116,169	9	131,219	9	146,222
1/4	11,640	1/4	26,733	1/4	41,490	1/4	56,186	1/4	71,225	1/4	86,314	1/4	101,399	1/4	116,483	1/4	131,531	1/4	146,391
1/2	11,954	1/2	27,047	1/2	41,790	1/2	56,497	1/2	71,540	1/2	86,628	1/2	101,714	1/2	116,797	1/2	131,843	1/2	146,560
3/4	12,269	3/4	27,362	3/4	42,090	3/4	56,809	3/4	71,854	3/4	86,942	3/4	102,028	3/4	117,110	3/4	132,155	3/4	146,728
10	12,583	10	27,676	10	42,391	10	57,121	10	72,168	10	87,257	10	102,342	10	117,424	10	132,468	10	146,897
1/4	12,898	1/4	27,991	1/4	42,691	1/4	57,433	1/4	72,483	1/4	87,571	1/4	102,656	1/4	117,738	1/4	132,780	1/4	147,066
1/2	13,212	1/2	28,305	1/2	42,991	1/2	57,744	1/2	72,797	1/2	87,885	1/2	102,971	1/2	118,051	1/2	133,092	1/2	147,235
3/4	13,527	3/4	28,620	3/4	43,291	3/4	58,056	3/4	73,111	3/4	88,200	3/4	103,285	3/4	118,365	3/4	133,404	3/4	147,404
11	13,841	11	28,934	11	43,592	11	58,368	11	73,426	11	88,514	11	103,599	11	118,679	11	133,717	11	147,572
1/4	14,155	1/4	29,249	1/4	43,892	1/4	58,680	1/4	73,740	1/4	88,828	1/4	103,914	1/4	118,992	1/4	134,029	1/4	147,741
1/2	14,470	1/2	29,563	1/2	44,192	1/2	58,991	1/2	74,054	1/2	89,142	1/2	104,228	1/2	119,306	1/2	134,341	1/2	147,910
3/4	14,784	3/4	29,877	3/4	44,492	3/4	59,303	3/4	74,369	3/4	89,457	3/4	104,542	3/4	119,620	3/4	134,653	3/4	148,079

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 TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 55'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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# BARGE "CBC 388"

## 3 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-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	148,247	0	156,348	0	164,450	0	172,442	0	180,030	0		0		0		0		0	
1/4	148,416	1/4	156,517	1/4	164,618	1/4	172,605	1/4	180,182	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	148,585	1/2	156,686	1/2	164,787	1/2	172,767	1/2	180,334	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	148,754	3/4	156,855	3/4	164,956	3/4	172,930	3/4	180,486	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	148,922	1	157,024	1	165,125	1	173,092	1	180,638	1	1	1	1	1	1	1	1	1	1
1/4	149,091	1/4	157,192	1/4	165,293	1/4	173,253	1/4	180,790	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	149,260	1/2	157,361	1/2	165,462	1/2	173,414	1/2	180,941	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	149,429	3/4	157,530	3/4	165,631	3/4	173,576	3/4	181,093	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	149,598	2	157,699	2	165,800	2	173,737	2	181,245	2	2	2	2	2	2	2	2	2	2
1/4	149,766	1/4	157,867	1/4	165,969	1/4	173,897	1/4	181,395	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	149,935	1/2	158,036	1/2	166,137	1/2	174,058	1/2	181,546	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	150,104	3/4	158,205	3/4	166,306	3/4	174,218	3/4	181,697	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	150,273	3	158,374	3	166,475	3	174,379	3	181,848	3	3	3	3	3	3	3	3	3	3
1/4	150,441	1/4	158,543	1/4	166,643	1/4	174,539	1/4	181,998	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	150,610	1/2	158,711	1/2	166,812	1/2	174,698	1/2	182,147	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	150,779	3/4	158,880	3/4	166,980	3/4	174,858	3/4	182,297	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	150,948	4	159,049	4	167,149	4	175,018	4	182,447	4	4	4	4	4	4	4	4	4	4
1/4	151,117	1/4	159,218	1/4	167,316	1/4	175,177	1/4	182,595	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	151,285	1/2	159,386	1/2	167,484	1/2	175,336	1/2	182,743	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	151,454	3/4	159,555	3/4	167,652	3/4	175,495	3/4	182,891	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	151,623	5	159,724	5	167,820	5	175,655	5	183,039	5	5	5	5	5	5	5	5	5	5
1/4	151,792	1/4	159,893	1/4	167,987	1/4	175,813	1/4	183,162	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	151,960	1/2	160,061	1/2	168,154	1/2	175,972	1/2	183,284	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	152,129	3/4	160,230	3/4	168,321	3/4	176,130	3/4	183,407	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	152,298	6	160,399	6	168,488	6	176,289	6	183,529	6	6	6	6	6	6	6	6	6	6
1/4	152,467	1/4	160,568	1/4	168,654	1/4	176,446	1/4	183,617	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	152,635	1/2	160,737	1/2	168,821	1/2	176,604	1/2	183,705	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	152,804	3/4	160,905	3/4	168,987	3/4	176,762	3/4	183,793	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	152,973	7	161,074	7	169,154	7	176,920	7	183,881	7	7	7	7	7	7	7	7	7	7
1/4	153,142	1/4	161,243	1/4	169,320	1/4	177,077	1/4	183,917	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	153,311	1/2	161,412	1/2	169,485	1/2	177,234	1/2	183,952	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	153,479	3/4	161,580	3/4	169,651	3/4	177,391	3/4	183,988	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	153,648	8	161,749	8	169,817	8	177,548	8	184,024	8	8	8	8	8	8	8	8	8	8
1/4	153,817	1/4	161,918	1/4	169,982	1/4	177,705	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	153,986	1/2	162,087	1/2	170,147	1/2	177,861	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	154,154	3/4	162,256	3/4	170,312	3/4	178,018	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	154,323	9	162,424	9	170,477	9	178,174	9		9	9	9	9	9	9	9	9	9	9
1/4	154,492	1/4	162,593	1/4	170,642	1/4	178,330	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	154,661	1/2	162,762	1/2	170,806	1/2	178,486	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	154,830	3/4	162,931	3/4	170,971	3/4	178,642	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	154,998	10	163,099	10	171,135	10	178,798	10		10	10	10	10	10	10	10	10	10	10
1/4	155,167	1/4	163,268	1/4	171,299	1/4	178,953	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	155,336	1/2	163,437	1/2	171,463	1/2	179,108	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	155,505	3/4	163,606	3/4	171,626	3/4	179,263	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	155,673	11	163,774	11	171,790	11	179,418	11		11	11	11	11	11	11	11	11	11	11
1/4	155,842	1/4	163,943	1/4	171,953	1/4	179,571	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	156,011	1/2	164,112	1/2	172,116	1/2	179,724	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	156,180	3/4	164,281	3/4	172,279	3/4	179,877	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: 09/26/2013 CL  
CALCULATED: 09/27/2013 CL  
PRINTED: 09/27/2013 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2013

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



# BARGE "CBC 388"

## 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 PORT	- 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	- 00-3/8	00-3/8
1 STBD	- 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	- 00-3/8	00-3/8
2 PORT	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8
2 STBD	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8
3 PORT	00-1/2	- 00-1/2	01-1/8	- 01-1/8	01-5/8	- 01-5/8	02-1/4	- 02-1/4	02-3/4	- 02-3/4	03-3/8	- 03-3/8
3 STBD	00-1/2	- 00-1/2	01-1/8	- 01-1/8	01-5/8	- 01-5/8	02-1/4	- 02-1/4	02-3/4	- 02-3/4	03-3/8	- 03-3/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 4'-00"  
 AFT DRAFT = 6'-00"  
 DIFF. = 2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS 00-1/8"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 253'-09"

September 26, 2013

PRECISION MEASUREMENT  
 & ANALYSIS, INC.

P.O. Box 2092  
 Pearland, Texas 77588

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# BARGE "CBC 388"

# 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/4"

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	207,700	0	193,183	0	178,023	0	162,793	0	147,563	0	132,333	0	117,103	0	101,870
1/4	1/4	220,413	1/4	207,406	1/4	192,873	1/4	177,706	1/4	162,476	1/4	147,246	1/4	132,016	1/4	116,786	1/4	101,553	1/4
1/2	1/2	220,231	1/2	207,111	1/2	192,561	1/2	177,388	1/2	162,158	1/2	146,928	1/2	131,698	1/2	116,469	1/2	101,235	1/2
3/4	3/4	220,049	3/4	206,815	3/4	192,250	3/4	177,071	3/4	161,841	3/4	146,611	3/4	131,381	3/4	116,151	3/4	100,918	3/4
1		1		1	206,520	1	191,938	1	176,754	1	161,524	1	146,294	1	131,064	1	115,834	1	100,600
1/4	1/4	219,685	1/4	206,225	1/4	191,626	1/4	176,436	1/4	161,206	1/4	145,977	1/4	130,747	1/4	115,517	1/4	100,283	1/4
1/2	1/2	219,451	1/2	205,928	1/2	191,313	1/2	176,119	1/2	160,889	1/2	145,659	1/2	130,429	1/2	115,199	1/2	99,966	1/2
3/4	3/4	219,217	3/4	205,631	3/4	191,001	3/4	175,802	3/4	160,572	3/4	145,342	3/4	130,112	3/4	114,882	3/4	99,648	3/4
2		2		2	205,335	2	190,688	2	175,484	2	160,255	2	145,025	2	129,795	2	114,565	2	99,331
1/4	1/4	218,750	1/4	205,038	1/4	190,375	1/4	175,167	1/4	159,937	1/4	144,707	1/4	129,477	1/4	114,248	1/4	99,013	1/4
1/2	1/2	218,496	1/2	204,740	1/2	190,061	1/2	174,850	1/2	159,620	1/2	144,390	1/2	129,160	1/2	113,930	1/2	98,696	1/2
3/4	3/4	218,243	3/4	204,442	3/4	189,746	3/4	174,533	3/4	159,303	3/4	144,073	3/4	128,843	3/4	113,613	3/4	98,379	3/4
3		3		3	204,144	3	189,432	3	174,215	3	158,985	3	143,755	3	128,526	3	113,296	3	98,061
1/4	1/4	217,736	1/4	203,847	1/4	189,118	1/4	173,898	1/4	158,668	1/4	143,438	1/4	128,208	1/4	112,978	1/4	97,744	1/4
1/2	1/2	217,456	1/2	203,547	1/2	188,803	1/2	173,581	1/2	158,351	1/2	143,121	1/2	127,891	1/2	112,661	1/2	97,426	1/2
3/4	3/4	217,177	3/4	203,248	3/4	188,487	3/4	173,263	3/4	158,034	3/4	142,804	3/4	127,574	3/4	112,344	3/4	97,109	3/4
4		4		4	202,949	4	188,172	4	172,946	4	157,716	4	142,486	4	127,256	4	112,026	4	96,791
1/4	1/4	216,617	1/4	202,650	1/4	187,856	1/4	172,629	1/4	157,399	1/4	142,169	1/4	126,939	1/4	111,709	1/4	96,474	1/4
1/2	1/2	216,335	1/2	202,350	1/2	187,540	1/2	172,312	1/2	157,082	1/2	141,852	1/2	126,622	1/2	111,392	1/2	96,157	1/2
3/4	3/4	216,054	3/4	202,049	3/4	187,223	3/4	171,994	3/4	156,764	3/4	141,534	3/4	126,305	3/4	111,075	3/4	95,839	3/4
5		5		5	201,749	5	186,906	5	171,677	5	156,447	5	141,217	5	125,987	5	110,757	5	95,522
1/4	1/4	215,490	1/4	201,449	1/4	186,590	1/4	171,360	1/4	156,130	1/4	140,900	1/4	125,670	1/4	110,440	1/4	95,204	1/4
1/2	1/2	215,206	1/2	201,147	1/2	186,272	1/2	171,042	1/2	155,812	1/2	140,583	1/2	125,353	1/2	110,123	1/2	94,887	1/2
3/4	3/4	214,922	3/4	200,845	3/4	185,955	3/4	170,725	3/4	155,495	3/4	140,265	3/4	125,035	3/4	109,805	3/4	94,570	3/4
6		6		6	200,544	6	185,638	6	170,408	6	155,178	6	139,948	6	124,718	6	109,488	6	94,252
1/4	1/4	214,355	1/4	200,242	1/4	185,320	1/4	170,091	1/4	154,861	1/4	139,631	1/4	124,401	1/4	109,170	1/4	93,935	1/4
1/2	1/2	214,070	1/2	199,939	1/2	185,003	1/2	169,773	1/2	154,543	1/2	139,313	1/2	124,083	1/2	108,853	1/2	93,617	1/2
3/4	3/4	213,785	3/4	199,636	3/4	184,686	3/4	169,456	3/4	154,226	3/4	138,996	3/4	123,766	3/4	108,536	3/4	93,300	3/4
7		7		7	199,333	7	184,369	7	169,139	7	153,909	7	138,679	7	123,449	7	108,218	7	92,983
1/4	1/4	213,215	1/4	199,030	1/4	184,051	1/4	168,821	1/4	153,591	1/4	138,362	1/4	123,132	1/4	107,901	1/4	92,665	1/4
1/2	1/2	212,929	1/2	198,725	1/2	183,734	1/2	168,504	1/2	153,274	1/2	138,044	1/2	122,814	1/2	107,583	1/2	92,348	1/2
3/4	3/4	212,643	3/4	198,420	3/4	183,417	3/4	168,187	3/4	152,957	3/4	137,727	3/4	122,497	3/4	107,266	3/4	92,030	3/4
8		8		8	198,114	8	183,099	8	167,870	8	152,640	8	137,410	8	122,180	8	106,949	8	91,713
1/4	1/4	212,071	1/4	197,809	1/4	182,782	1/4	167,552	1/4	152,322	1/4	137,092	1/4	121,862	1/4	106,631	1/4	91,396	1/4
1/2	1/2	211,783	1/2	197,502	1/2	182,465	1/2	167,235	1/2	152,005	1/2	136,775	1/2	121,545	1/2	106,314	1/2	91,078	1/2
3/4	3/4	211,496	3/4	197,196	3/4	182,148	3/4	166,918	3/4	151,688	3/4	136,458	3/4	121,228	3/4	105,996	3/4	90,761	3/4
9		9		9	196,889	9	181,830	9	166,600	9	151,370	9	136,141	9	120,911	9	105,679	9	90,443
1/4	1/4	210,921	1/4	196,582	1/4	181,513	1/4	166,283	1/4	151,053	1/4	135,823	1/4	120,593	1/4	105,361	1/4	90,126	1/4
1/2	1/2	210,629	1/2	196,275	1/2	181,196	1/2	165,966	1/2	150,736	1/2	135,506	1/2	120,276	1/2	105,044	1/2	89,809	1/2
3/4	3/4	210,338	3/4	195,967	3/4	180,878	3/4	165,648	3/4	150,419	3/4	135,189	3/4	119,959	3/4	104,727	3/4	89,491	3/4
10		10		10	195,659	10	180,561	10	165,331	10	150,101	10	134,871	10	119,641	10	104,409	10	89,174
1/4	1/4	209,754	1/4	195,351	1/4	180,244	1/4	165,014	1/4	149,784	1/4	134,554	1/4	119,324	1/4	104,092	1/4	88,856	1/4
1/2	1/2	209,461	1/2	195,042	1/2	179,927	1/2	164,697	1/2	149,467	1/2	134,237	1/2	119,007	1/2	103,774	1/2	88,539	1/2
3/4	3/4	209,168	3/4	194,733	3/4	179,609	3/4	164,379	3/4	149,149	3/4	133,919	3/4	118,690	3/4	103,457	3/4	88,221	3/4
11		11		11	194,424	11	179,292	11	164,062	11	148,832	11	133,602	11	118,372	11	103,140	11	87,904
1/4	1/4	208,582	1/4	194,114	1/4	178,975	1/4	163,745	1/4	148,515	1/4	133,285	1/4	118,055	1/4	102,822	1/4	87,587	1/4
1/2	1/2	208,288	1/2	193,804	1/2	178,657	1/2	163,427	1/2	148,198	1/2	132,968	1/2	117,738	1/2	102,505	1/2	87,269	1/2
3/4	3/4	207,994	3/4	193,494	3/4	178,340	3/4	163,110	3/4	147,880	3/4	132,650	3/4	117,420	3/4	102,187	3/4	86,952	3/4

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 TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "CBC 388"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-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	86,634	0	71,399	0	56,163	0	40,946	0	25,713	0	10,478	0		0		0		0	
1/4	86,317	1/4	71,081	1/4	55,846	1/4	40,629	1/4	25,396	1/4	10,161	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	86,000	1/2	70,764	1/2	55,529	1/2	40,312	1/2	25,079	1/2	9,844	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	85,682	3/4	70,447	3/4	55,211	3/4	39,995	3/4	24,761	3/4	9,526	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	85,365	1	70,129	1	54,894	1	39,678	1	24,444	1	9,209	1	1	1	1	1	1	1	1
1/4	85,047	1/4	69,812	1/4	54,576	1/4	39,361	1/4	24,126	1/4	8,891	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	84,730	1/2	69,494	1/2	54,259	1/2	39,044	1/2	23,809	1/2	8,574	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	84,413	3/4	69,177	3/4	53,941	3/4	38,727	3/4	23,492	3/4	8,257	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	84,095	2	68,860	2	53,624	2	38,409	2	23,174	2	7,939	2	2	2	2	2	2	2	2
1/4	83,778	1/4	68,542	1/4	53,307	1/4	38,092	1/4	22,857	1/4	7,622	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	83,460	1/2	68,225	1/2	52,989	1/2	37,774	1/2	22,539	1/2	7,305	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	83,143	3/4	67,907	3/4	52,672	3/4	37,457	3/4	22,222	3/4	6,987	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	82,826	3	67,590	3	52,354	3	37,140	3	21,905	3	6,670	3	3	3	3	3	3	3	3
1/4	82,508	1/4	67,273	1/4	52,037	1/4	36,822	1/4	21,587	1/4	6,353	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	82,191	1/2	66,955	1/2	51,720	1/2	36,505	1/2	21,270	1/2	6,036	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	81,873	3/4	66,638	3/4	51,403	3/4	36,187	3/4	20,952	3/4	5,719	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	81,556	4	66,320	4	51,086	4	35,870	4	20,635	4	5,402	4	4	4	4	4	4	4	4
1/4	81,239	1/4	66,003	1/4	50,769	1/4	35,553	1/4	20,318	1/4	5,085	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	80,921	1/2	65,686	1/2	50,453	1/2	35,235	1/2	20,000	1/2	4,769	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	80,604	3/4	65,368	3/4	50,136	3/4	34,918	3/4	19,683	3/4	4,453	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	80,286	5	65,051	5	49,819	5	34,600	5	19,366	5	4,137	5	5	5	5	5	5	5	5
1/4	79,969	1/4	64,733	1/4	49,502	1/4	34,283	1/4	19,048	1/4	3,821	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	79,651	1/2	64,416	1/2	49,185	1/2	33,966	1/2	18,731	1/2	3,503	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	79,334	3/4	64,099	3/4	48,868	3/4	33,648	3/4	18,413	3/4	3,239	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	79,017	6	63,781	6	48,551	6	33,331	6	18,096	6	2,949	6	6	6	6	6	6	6	6
1/4	78,699	1/4	63,464	1/4	48,234	1/4	33,013	1/4	17,779	1/4	2,658	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	78,382	1/2	63,146	1/2	47,917	1/2	32,696	1/2	17,461	1/2	2,420	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	78,064	3/4	62,829	3/4	47,601	3/4	32,379	3/4	17,144	3/4	2,182	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	77,747	7	62,511	7	47,284	7	32,061	7	16,826	7	1,944	7	7	7	7	7	7	7	7
1/4	77,430	1/4	62,194	1/4	46,967	1/4	31,744	1/4	16,509	1/4	1,706	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	77,112	1/2	61,877	1/2	46,650	1/2	31,427	1/2	16,192	1/2	1,521	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	76,795	3/4	61,559	3/4	46,333	3/4	31,109	3/4	15,874	3/4	1,335	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	76,477	8	61,242	8	46,016	8	30,792	8	15,557	8	1,150	8	8	8	8	8	8	8	8
1/4	76,160	1/4	60,924	1/4	45,699	1/4	30,474	1/4	15,239	1/4	965	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	75,843	1/2	60,607	1/2	45,382	1/2	30,157	1/2	14,922	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	75,525	3/4	60,290	3/4	45,065	3/4	29,840	3/4	14,605	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	75,208	9	59,972	9	44,749	9	29,522	9	14,287	9		9	9	9	9	9	9	9	9
1/4	74,890	1/4	59,655	1/4	44,432	1/4	29,205	1/4	13,970	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	74,573	1/2	59,337	1/2	44,115	1/2	28,887	1/2	13,652	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	74,256	3/4	59,020	3/4	43,798	3/4	28,570	3/4	13,335	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	73,938	10	58,703	10	43,481	10	28,253	10	13,018	10		10	10	10	10	10	10	10	10
1/4	73,621	1/4	58,385	1/4	43,164	1/4	27,935	1/4	12,700	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	73,303	1/2	58,068	1/2	42,847	1/2	27,618	1/2	12,383	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	72,986	3/4	57,750	3/4	42,530	3/4	27,300	3/4	12,065	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	72,669	11	57,433	11	42,213	11	26,983	11	11,748	11		11	11	11	11	11	11	11	11
1/4	72,351	1/4	57,116	1/4	41,897	1/4	26,666	1/4	11,431	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	72,034	1/2	56,798	1/2	41,580	1/2	26,348	1/2	11,113	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	71,716	3/4	56,481	3/4	41,263	3/4	26,031	3/4	10,796	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: 09/26/2013 CL  
CALCULATED: 09/27/2013 CL  
PRINTED: 09/27/2013 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2013

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



# BARGE "CBC 388"

# 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/4"

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	207,595	0	193,080	0	177,921	0	162,693	0	147,465	0	132,237	0	117,009	0	101,777
1/4	1/4	220,306	1/4	207,301	1/4	192,769	1/4	177,604	1/4	162,376	1/4	147,148	1/4	131,919	1/4	116,691	1/4	101,460	1/4
1/2	1/2	220,124	1/2	207,005	1/2	192,458	1/2	177,287	1/2	162,058	1/2	146,830	1/2	131,602	1/2	116,374	1/2	101,143	1/2
3/4	3/4	219,942	3/4	206,710	3/4	192,146	3/4	176,969	3/4	161,741	3/4	146,513	3/4	131,285	3/4	116,057	3/4	100,825	3/4
1		219,760	1	206,415	1	191,835	1	176,652	1	161,424	1	146,196	1	130,968	1	115,740	1	100,508	1
1/4	1/4	219,578	1/4	206,119	1/4	191,523	1/4	176,335	1/4	161,107	1/4	145,879	1/4	130,650	1/4	115,422	1/4	100,191	1/4
1/2	1/2	219,344	1/2	205,823	1/2	191,210	1/2	176,018	1/2	160,789	1/2	145,561	1/2	130,333	1/2	115,105	1/2	99,873	1/2
3/4	3/4	219,110	3/4	205,526	3/4	190,897	3/4	175,700	3/4	160,472	3/4	145,244	3/4	130,016	3/4	114,788	3/4	99,556	3/4
2		218,877	2	205,230	2	190,584	2	175,383	2	160,155	2	144,927	2	129,699	2	114,471	2	99,238	2
1/4	1/4	218,643	1/4	204,933	1/4	190,271	1/4	175,066	1/4	159,838	1/4	144,610	1/4	129,381	1/4	114,153	1/4	98,921	1/4
1/2	1/2	218,389	1/2	204,635	1/2	189,957	1/2	174,749	1/2	159,520	1/2	144,292	1/2	129,064	1/2	113,836	1/2	98,604	1/2
3/4	3/4	218,136	3/4	204,337	3/4	189,643	3/4	174,431	3/4	159,203	3/4	143,975	3/4	128,747	3/4	113,519	3/4	98,286	3/4
3		217,883	3	204,040	3	189,329	3	174,114	3	158,886	3	143,658	3	128,430	3	113,202	3	97,969	3
1/4	1/4	217,629	1/4	203,742	1/4	189,015	1/4	173,797	1/4	158,569	1/4	143,341	1/4	128,112	1/4	112,884	1/4	97,652	1/4
1/2	1/2	217,350	1/2	203,443	1/2	188,700	1/2	173,480	1/2	158,251	1/2	143,023	1/2	127,795	1/2	112,567	1/2	97,334	1/2
3/4	3/4	217,070	3/4	203,144	3/4	188,384	3/4	173,162	3/4	157,934	3/4	142,706	3/4	127,478	3/4	112,250	3/4	97,017	3/4
4		216,791	4	202,844	4	188,069	4	172,845	4	157,617	4	142,389	4	127,161	4	111,933	4	96,699	4
1/4	1/4	216,511	1/4	202,545	1/4	187,754	1/4	172,528	1/4	157,300	1/4	142,072	1/4	126,843	1/4	111,615	1/4	96,382	1/4
1/2	1/2	216,229	1/2	202,245	1/2	187,437	1/2	172,211	1/2	156,982	1/2	141,754	1/2	126,526	1/2	111,298	1/2	96,065	1/2
3/4	3/4	215,947	3/4	201,945	3/4	187,120	3/4	171,893	3/4	156,665	3/4	141,437	3/4	126,209	3/4	110,981	3/4	95,747	3/4
5		215,665	5	201,644	5	186,804	5	171,576	5	156,348	5	141,120	5	125,892	5	110,664	5	95,430	5
1/4	1/4	215,383	1/4	201,344	1/4	186,487	1/4	171,259	1/4	156,031	1/4	140,803	1/4	125,574	1/4	110,346	1/4	95,113	1/4
1/2	1/2	215,100	1/2	201,042	1/2	186,170	1/2	170,942	1/2	155,713	1/2	140,485	1/2	125,257	1/2	110,029	1/2	94,795	1/2
3/4	3/4	214,816	3/4	200,741	3/4	185,852	3/4	170,624	3/4	155,396	3/4	140,168	3/4	124,940	3/4	109,712	3/4	94,478	3/4
6		214,532	6	200,439	6	185,535	6	170,307	6	155,079	6	139,851	6	124,623	6	109,394	6	94,160	6
1/4	1/4	214,249	1/4	200,138	1/4	185,218	1/4	169,990	1/4	154,762	1/4	139,534	1/4	124,305	1/4	109,077	1/4	93,843	1/4
1/2	1/2	213,964	1/2	199,835	1/2	184,901	1/2	169,672	1/2	154,444	1/2	139,216	1/2	123,988	1/2	108,759	1/2	93,526	1/2
3/4	3/4	213,679	3/4	199,532	3/4	184,583	3/4	169,355	3/4	154,127	3/4	138,899	3/4	123,671	3/4	108,442	3/4	93,208	3/4
7		213,394	7	199,229	7	184,266	7	169,038	7	153,810	7	138,582	7	123,354	7	108,125	7	92,891	7
1/4	1/4	213,109	1/4	198,926	1/4	183,949	1/4	168,721	1/4	153,493	1/4	138,265	1/4	123,036	1/4	107,807	1/4	92,574	1/4
1/2	1/2	212,823	1/2	198,621	1/2	183,632	1/2	168,403	1/2	153,175	1/2	137,947	1/2	122,719	1/2	107,490	1/2	92,256	1/2
3/4	3/4	212,537	3/4	198,316	3/4	183,314	3/4	168,086	3/4	152,858	3/4	137,630	3/4	122,402	3/4	107,173	3/4	91,939	3/4
8		212,251	8	198,010	8	182,997	8	167,769	8	152,541	8	137,313	8	122,085	8	106,855	8	91,622	8
1/4	1/4	211,965	1/4	197,705	1/4	182,680	1/4	167,452	1/4	152,224	1/4	136,996	1/4	121,767	1/4	106,538	1/4	91,304	1/4
1/2	1/2	211,677	1/2	197,398	1/2	182,363	1/2	167,134	1/2	151,906	1/2	136,678	1/2	121,450	1/2	106,221	1/2	90,987	1/2
3/4	3/4	211,390	3/4	197,092	3/4	182,045	3/4	166,817	3/4	151,589	3/4	136,361	3/4	121,133	3/4	105,903	3/4	90,669	3/4
9		211,103	9	196,785	9	181,728	9	166,500	9	151,272	9	136,044	9	120,816	9	105,586	9	90,352	9
1/4	1/4	210,815	1/4	196,479	1/4	181,411	1/4	166,183	1/4	150,955	1/4	135,727	1/4	120,498	1/4	105,268	1/4	90,035	1/4
1/2	1/2	210,524	1/2	196,171	1/2	181,094	1/2	165,865	1/2	150,637	1/2	135,409	1/2	120,181	1/2	104,951	1/2	89,717	1/2
3/4	3/4	210,232	3/4	195,863	3/4	180,776	3/4	165,548	3/4	150,320	3/4	135,092	3/4	119,864	3/4	104,634	3/4	89,400	3/4
10		209,940	10	195,555	10	180,459	10	165,231	10	150,003	10	134,775	10	119,547	10	104,316	10	89,083	10
1/4	1/4	209,649	1/4	195,247	1/4	180,142	1/4	164,914	1/4	149,686	1/4	134,458	1/4	119,229	1/4	103,999	1/4	88,765	1/4
1/2	1/2	209,356	1/2	194,938	1/2	179,825	1/2	164,596	1/2	149,368	1/2	134,140	1/2	118,912	1/2	103,682	1/2	88,448	1/2
3/4	3/4	209,063	3/4	194,629	3/4	179,507	3/4	164,279	3/4	149,051	3/4	133,823	3/4	118,595	3/4	103,364	3/4	88,130	3/4
11		208,770	11	194,320	11	179,190	11	163,962	11	148,734	11	133,506	11	118,278	11	103,047	11	87,813	11
1/4	1/4	208,477	1/4	194,011	1/4	178,873	1/4	163,645	1/4	148,417	1/4	133,188	1/4	117,960	1/4	102,729	1/4	87,496	1/4
1/2	1/2	208,183	1/2	193,700	1/2	178,556	1/2	163,327	1/2	148,099	1/2	132,871	1/2	117,643	1/2	102,412	1/2	87,178	1/2
3/4	3/4	207,889	3/4	193,390	3/4	178,238	3/4	163,010	3/4	147,782	3/4	132,554	3/4	117,326	3/4	102,095	3/4	86,861	3/4

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 TOP LIP OF 2" "HERMETIC" VALVE  
 GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

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



# BARGE "CBC 388"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-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	86,544	0	71,310	0	56,076	0	40,925	0	25,710	0	10,476	0		0		0		0	
1/4	86,226	1/4	70,992	1/4	55,759	1/4	40,610	1/4	25,392	1/4	10,159	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	85,909	1/2	70,675	1/2	55,441	1/2	40,295	1/2	25,075	1/2	9,842	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	85,591	3/4	70,358	3/4	55,124	3/4	39,980	3/4	24,757	3/4	9,524	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	85,274	1	70,040	1	54,807	1	39,664	1	24,440	1	9,207	1	1	1	1	1	1	1	1
1/4	84,957	1/4	69,723	1/4	54,489	1/4	39,349	1/4	24,123	1/4	8,890	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	84,639	1/2	69,406	1/2	54,172	1/2	39,034	1/2	23,805	1/2	8,572	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	84,322	3/4	69,088	3/4	53,855	3/4	38,718	3/4	23,488	3/4	8,255	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	84,005	2	68,771	2	53,537	2	38,402	2	23,171	2	7,938	2	2	2	2	2	2	2	2
1/4	83,687	1/4	68,454	1/4	53,220	1/4	38,086	1/4	22,853	1/4	7,620	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	83,370	1/2	68,136	1/2	52,904	1/2	37,769	1/2	22,536	1/2	7,303	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	83,053	3/4	67,819	3/4	52,588	3/4	37,452	3/4	22,219	3/4	6,986	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	82,735	3	67,501	3	52,273	3	37,134	3	21,901	3	6,668	3	3	3	3	3	3	3	3
1/4	82,418	1/4	67,184	1/4	51,957	1/4	36,817	1/4	21,584	1/4	6,351	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	82,100	1/2	66,867	1/2	51,642	1/2	36,500	1/2	21,267	1/2	6,034	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	81,783	3/4	66,549	3/4	51,327	3/4	36,182	3/4	20,949	3/4	5,717	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	81,466	4	66,232	4	51,011	4	35,865	4	20,632	4	5,400	4	4	4	4	4	4	4	4
1/4	81,148	1/4	65,915	1/4	50,696	1/4	35,548	1/4	20,314	1/4	5,083	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	80,831	1/2	65,597	1/2	50,381	1/2	35,230	1/2	19,997	1/2	4,767	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	80,514	3/4	65,280	3/4	50,066	3/4	34,913	3/4	19,680	3/4	4,452	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	80,196	5	64,962	5	49,751	5	34,596	5	19,362	5	4,136	5	5	5	5	5	5	5	5
1/4	79,879	1/4	64,645	1/4	49,435	1/4	34,278	1/4	19,045	1/4	3,820	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	79,561	1/2	64,328	1/2	49,120	1/2	33,961	1/2	18,728	1/2	3,529	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	79,244	3/4	64,010	3/4	48,805	3/4	33,643	3/4	18,410	3/4	3,238	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	78,927	6	63,693	6	48,490	6	33,326	6	18,093	6	2,947	6	6	6	6	6	6	6	6
1/4	78,609	1/4	63,376	1/4	48,175	1/4	33,009	1/4	17,776	1/4	2,657	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	78,292	1/2	63,058	1/2	47,859	1/2	32,691	1/2	17,458	1/2	2,419	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	77,975	3/4	62,741	3/4	47,544	3/4	32,374	3/4	17,141	3/4	2,181	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	77,657	7	62,423	7	47,229	7	32,057	7	16,824	7	1,943	7	7	7	7	7	7	7	7
1/4	77,340	1/4	62,106	1/4	46,914	1/4	31,739	1/4	16,506	1/4	1,705	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	77,023	1/2	61,789	1/2	46,599	1/2	31,422	1/2	16,189	1/2	1,520	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	76,705	3/4	61,471	3/4	46,283	3/4	31,105	3/4	15,871	3/4	1,334	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	76,388	8	61,154	8	45,968	8	30,787	8	15,554	8	1,149	8	8	8	8	8	8	8	8
1/4	76,070	1/4	60,837	1/4	45,653	1/4	30,470	1/4	15,237	1/4	965	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	75,753	1/2	60,519	1/2	45,338	1/2	30,153	1/2	14,919	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	75,436	3/4	60,202	3/4	45,023	3/4	29,835	3/4	14,602	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	75,118	9	59,885	9	44,708	9	29,518	9	14,285	9		9	9	9	9	9	9	9	9
1/4	74,801	1/4	59,567	1/4	44,392	1/4	29,200	1/4	13,967	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	74,484	1/2	59,250	1/2	44,077	1/2	28,883	1/2	13,650	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	74,166	3/4	58,932	3/4	43,762	3/4	28,566	3/4	13,333	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	73,849	10	58,615	10	43,447	10	28,248	10	13,015	10		10	10	10	10	10	10	10	10
1/4	73,531	1/4	58,298	1/4	43,132	1/4	27,931	1/4	12,698	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	73,214	1/2	57,980	1/2	42,816	1/2	27,614	1/2	12,381	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	72,897	3/4	57,663	3/4	42,501	3/4	27,296	3/4	12,063	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	72,579	11	57,346	11	42,186	11	26,979	11	11,746	11		11	11	11	11	11	11	11	11
1/4	72,262	1/4	57,028	1/4	41,871	1/4	26,662	1/4	11,428	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	71,945	1/2	56,711	1/2	41,556	1/2	26,344	1/2	11,111	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	71,627	3/4	56,393	3/4	41,240	3/4	26,027	3/4	10,794	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: 09/26/2013 CL  
CALCULATED: 09/27/2013 CL  
PRINTED: 09/27/2013 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2013

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



# BARGE "CBC 388"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09"

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	
0		0		0	207,808	0	193,393	0	178,309	0	163,136	0	147,963	0	132,789	0	117,616	0	102,440
1/4	1/4	1/4	1/4	1/4	207,515	1/4	193,084	1/4	177,993	1/4	162,820	1/4	147,646	1/4	132,473	1/4	117,300	1/4	102,123
1/2	1/2	1/2	1/2	1/2	207,222	1/2	192,775	1/2	177,677	1/2	162,504	1/2	147,330	1/2	132,157	1/2	116,983	1/2	101,807
3/4	3/4	3/4	3/4	3/4	206,929	3/4	192,465	3/4	177,361	3/4	162,188	3/4	147,014	3/4	131,841	3/4	116,667	3/4	101,491
1		1	219,595	1	206,636	1	192,156	1	177,045	1	161,872	1	146,698	1	131,525	1	116,351	1	101,175
1/4	1/4	1/4	219,414	1/4	206,341	1/4	191,846	1/4	176,729	1/4	161,555	1/4	146,382	1/4	131,209	1/4	116,035	1/4	100,858
1/2	1/2	1/2	219,232	1/2	206,047	1/2	191,535	1/2	176,413	1/2	161,239	1/2	146,066	1/2	130,892	1/2	115,719	1/2	100,542
3/4	3/4	3/4	219,051	3/4	205,753	3/4	191,225	3/4	176,097	3/4	160,923	3/4	145,750	3/4	130,576	3/4	115,403	3/4	100,226
2		2	218,869	2	205,459	2	190,914	2	175,780	2	160,607	2	145,434	2	130,260	2	115,087	2	99,910
1/4	1/4	1/4	218,636	1/4	205,163	1/4	190,602	1/4	175,464	1/4	160,291	1/4	145,118	1/4	129,944	1/4	114,771	1/4	99,594
1/2	1/2	1/2	218,404	1/2	204,868	1/2	190,291	1/2	175,148	1/2	159,975	1/2	144,801	1/2	129,628	1/2	114,455	1/2	99,277
3/4	3/4	3/4	218,171	3/4	204,572	3/4	189,979	3/4	174,832	3/4	159,659	3/4	144,485	3/4	129,312	3/4	114,138	3/4	98,961
3		3	217,938	3	204,276	3	189,667	3	174,516	3	159,343	3	144,169	3	128,996	3	113,822	3	98,645
1/4	1/4	1/4	217,685	1/4	203,980	1/4	189,354	1/4	174,200	1/4	159,027	1/4	143,853	1/4	128,680	1/4	113,506	1/4	98,329
1/2	1/2	1/2	217,433	1/2	203,683	1/2	189,041	1/2	173,884	1/2	158,710	1/2	143,537	1/2	128,364	1/2	113,190	1/2	98,012
3/4	3/4	3/4	217,180	3/4	203,386	3/4	188,728	3/4	173,568	3/4	158,394	3/4	143,221	3/4	128,047	3/4	112,874	3/4	97,696
4		4	216,928	4	203,089	4	188,415	4	173,252	4	158,078	4	142,905	4	127,731	4	112,558	4	97,380
1/4	1/4	1/4	216,649	1/4	202,791	1/4	188,101	1/4	172,935	1/4	157,762	1/4	142,589	1/4	127,415	1/4	112,242	1/4	97,064
1/2	1/2	1/2	216,371	1/2	202,493	1/2	187,787	1/2	172,619	1/2	157,446	1/2	142,273	1/2	127,099	1/2	111,926	1/2	96,748
3/4	3/4	3/4	216,092	3/4	202,195	3/4	187,472	3/4	172,303	3/4	157,130	3/4	141,956	3/4	126,783	3/4	111,610	3/4	96,431
5		5	215,814	5	201,897	5	187,158	5	171,987	5	156,814	5	141,640	5	126,467	5	111,293	5	96,115
1/4	1/4	1/4	215,533	1/4	201,598	1/4	186,843	1/4	171,671	1/4	156,498	1/4	141,324	1/4	126,151	1/4	110,977	1/4	95,799
1/2	1/2	1/2	215,252	1/2	201,299	1/2	186,527	1/2	171,355	1/2	156,181	1/2	141,008	1/2	125,835	1/2	110,661	1/2	95,483
3/4	3/4	3/4	214,971	3/4	200,999	3/4	186,212	3/4	171,039	3/4	155,865	3/4	140,692	3/4	125,519	3/4	110,345	3/4	95,166
6		6	214,690	6	200,700	6	185,896	6	170,723	6	155,549	6	140,376	6	125,202	6	110,029	6	94,850
1/4	1/4	1/4	214,407	1/4	200,400	1/4	185,580	1/4	170,407	1/4	155,233	1/4	140,060	1/4	124,886	1/4	109,713	1/4	94,534
1/2	1/2	1/2	214,125	1/2	200,099	1/2	185,264	1/2	170,090	1/2	154,917	1/2	139,744	1/2	124,570	1/2	109,397	1/2	94,218
3/4	3/4	3/4	213,842	3/4	199,799	3/4	184,948	3/4	169,774	3/4	154,601	3/4	139,428	3/4	124,254	3/4	109,080	3/4	93,901
7		7	213,559	7	199,498	7	184,632	7	169,458	7	154,285	7	139,111	7	123,938	7	108,764	7	93,585
1/4	1/4	1/4	213,276	1/4	199,196	1/4	184,316	1/4	169,142	1/4	153,969	1/4	138,795	1/4	123,622	1/4	108,448	1/4	93,269
1/2	1/2	1/2	212,992	1/2	198,894	1/2	183,999	1/2	168,826	1/2	153,653	1/2	138,479	1/2	123,306	1/2	108,132	1/2	92,953
3/4	3/4	3/4	212,708	3/4	198,593	3/4	183,683	3/4	168,510	3/4	153,336	3/4	138,163	3/4	122,990	3/4	107,815	3/4	92,637
8		8	212,424	8	198,291	8	183,367	8	168,194	8	153,020	8	137,847	8	122,674	8	107,499	8	92,320
1/4	1/4	1/4	212,139	1/4	197,987	1/4	183,051	1/4	167,878	1/4	152,704	1/4	137,531	1/4	122,357	1/4	107,183	1/4	92,004
1/2	1/2	1/2	211,854	1/2	197,682	1/2	182,735	1/2	167,562	1/2	152,388	1/2	137,215	1/2	122,041	1/2	106,867	1/2	91,688
3/4	3/4	3/4	211,569	3/4	197,378	3/4	182,419	3/4	167,245	3/4	152,072	3/4	136,899	3/4	121,725	3/4	106,551	3/4	91,372
9		9	211,283	9	197,074	9	182,103	9	166,929	9	151,756	9	136,582	9	121,409	9	106,234	9	91,055
1/4	1/4	1/4	210,997	1/4	196,768	1/4	181,787	1/4	166,613	1/4	151,440	1/4	136,266	1/4	121,093	1/4	105,918	1/4	90,739
1/2	1/2	1/2	210,711	1/2	196,463	1/2	181,471	1/2	166,297	1/2	151,124	1/2	135,950	1/2	120,777	1/2	105,602	1/2	90,423
3/4	3/4	3/4	210,424	3/4	196,157	3/4	181,154	3/4	165,981	3/4	150,808	3/4	135,634	3/4	120,461	3/4	105,286	3/4	90,107
10		10	210,138	10	195,852	10	180,838	10	165,665	10	150,491	10	135,318	10	120,145	10	104,969	10	89,791
1/4	1/4	1/4	209,847	1/4	195,545	1/4	180,522	1/4	165,349	1/4	150,175	1/4	135,002	1/4	119,829	1/4	104,653	1/4	89,474
1/2	1/2	1/2	209,557	1/2	195,238	1/2	180,206	1/2	165,033	1/2	149,859	1/2	134,686	1/2	119,512	1/2	104,337	1/2	89,158
3/4	3/4	3/4	209,266	3/4	194,932	3/4	179,890	3/4	164,717	3/4	149,543	3/4	134,370	3/4	119,196	3/4	104,021	3/4	88,842
11		11	208,975	11	194,625	11	179,574	11	164,400	11	149,227	11	134,054	11	118,880	11	103,704	11	88,526
1/4	1/4	1/4	208,683	1/4	194,317	1/4	179,258	1/4	164,084	1/4	148,911	1/4	133,737	1/4	118,564	1/4	103,388	1/4	88,209
1/2	1/2	1/2	208,392	1/2	194,009	1/2	178,942	1/2	163,768	1/2	148,595	1/2	133,421	1/2	118,248	1/2	103,072	1/2	87,893
3/4	3/4	3/4	208,100	3/4	193,701	3/4	178,625	3/4	163,452	3/4	148,279	3/4	133,105	3/4	117,932	3/4	102,756	3/4	87,577

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 TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "CBC 388"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	87,261	0	72,082	0	56,903	0	41,741	0	26,566	0	11,388	0		0		0		0	
1/4	86,945	1/4	71,766	1/4	56,587	1/4	41,425	1/4	26,250	1/4	11,072	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	86,628	1/2	71,449	1/2	56,271	1/2	41,109	1/2	25,934	1/2	10,755	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	86,312	3/4	71,133	3/4	55,954	3/4	40,794	3/4	25,618	3/4	10,439	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	85,996	1	70,817	1	55,638	1	40,478	1	25,301	1	10,123	1	1	1	1	1	1	1	1
1/4	85,680	1/4	70,501	1/4	55,322	1/4	40,162	1/4	24,985	1/4	9,807	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	85,363	1/2	70,185	1/2	55,006	1/2	39,846	1/2	24,669	1/2	9,491	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	85,047	3/4	69,868	3/4	54,689	3/4	39,531	3/4	24,353	3/4	9,174	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	84,731	2	69,552	2	54,373	2	39,215	2	24,037	2	8,858	2	2	2	2	2	2	2	2
1/4	84,415	1/4	69,236	1/4	54,057	1/4	38,899	1/4	23,720	1/4	8,542	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	84,098	1/2	68,920	1/2	53,741	1/2	38,583	1/2	23,404	1/2	8,226	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	83,782	3/4	68,603	3/4	53,425	3/4	38,266	3/4	23,088	3/4	7,909	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	83,466	3	68,287	3	53,108	3	37,950	3	22,772	3	7,593	3	3	3	3	3	3	3	3
1/4	83,150	1/4	67,971	1/4	52,792	1/4	37,634	1/4	22,455	1/4	7,277	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	82,834	1/2	67,655	1/2	52,476	1/2	37,318	1/2	22,139	1/2	6,961	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,517	3/4	67,338	3/4	52,160	3/4	37,002	3/4	21,823	3/4	6,645	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	82,201	4	67,022	4	51,843	4	36,685	4	21,507	4	6,329	4	4	4	4	4	4	4	4
1/4	81,885	1/4	66,706	1/4	51,528	1/4	36,369	1/4	21,191	1/4	6,013	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	81,569	1/2	66,390	1/2	51,212	1/2	36,053	1/2	20,874	1/2	5,697	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	81,252	3/4	66,074	3/4	50,896	3/4	35,737	3/4	20,558	3/4	5,381	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	80,936	5	65,757	5	50,581	5	35,420	5	20,242	5	5,065	5	5	5	5	5	5	5	5
1/4	80,620	1/4	65,441	1/4	50,265	1/4	35,104	1/4	19,926	1/4	4,751	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	80,304	1/2	65,125	1/2	49,949	1/2	34,788	1/2	19,610	1/2	4,436	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	79,988	3/4	64,809	3/4	49,633	3/4	34,472	3/4	19,293	3/4	4,121	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	79,671	6	64,492	6	49,318	6	34,156	6	18,977	6	3,807	6	6	6	6	6	6	6	6
1/4	79,355	1/4	64,176	1/4	49,002	1/4	33,839	1/4	18,661	1/4	3,517	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	79,039	1/2	63,860	1/2	48,686	1/2	33,523	1/2	18,345	1/2	3,227	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	78,723	3/4	63,544	3/4	48,371	3/4	33,207	3/4	18,028	3/4	2,937	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	78,406	7	63,228	7	48,055	7	32,891	7	17,712	7	2,647	7	7	7	7	7	7	7	7
1/4	78,090	1/4	62,911	1/4	47,739	1/4	32,574	1/4	17,396	1/4	2,410	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	77,774	1/2	62,595	1/2	47,423	1/2	32,258	1/2	17,080	1/2	2,173	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	77,458	3/4	62,279	3/4	47,108	3/4	31,942	3/4	16,764	3/4	1,936	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	77,142	8	61,963	8	46,792	8	31,626	8	16,447	8	1,699	8	8	8	8	8	8	8	8
1/4	76,825	1/4	61,646	1/4	46,476	1/4	31,310	1/4	16,131	1/4	1,515	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	76,509	1/2	61,330	1/2	46,161	1/2	30,993	1/2	15,815	1/2	1,330	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	76,193	3/4	61,014	3/4	45,845	3/4	30,677	3/4	15,499	3/4	1,146	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	75,877	9	60,698	9	45,529	9	30,361	9	15,182	9	961	9	9	9	9	9	9	9	9
1/4	75,560	1/4	60,382	1/4	45,214	1/4	30,045	1/4	14,866	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	75,244	1/2	60,065	1/2	44,898	1/2	29,728	1/2	14,550	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	74,928	3/4	59,749	3/4	44,582	3/4	29,412	3/4	14,234	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	74,612	10	59,433	10	44,266	10	29,096	10	13,918	10		10	10	10	10	10	10	10	10
1/4	74,295	1/4	59,117	1/4	43,951	1/4	28,780	1/4	13,601	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	73,979	1/2	58,800	1/2	43,635	1/2	28,464	1/2	13,285	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	73,663	3/4	58,484	3/4	43,319	3/4	28,147	3/4	12,969	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	73,347	11	58,168	11	43,004	11	27,831	11	12,653	11		11	11	11	11	11	11	11	11
1/4	73,031	1/4	57,852	1/4	42,688	1/4	27,515	1/4	12,337	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	72,714	1/2	57,535	1/2	42,372	1/2	27,199	1/2	12,020	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	72,398	3/4	57,219	3/4	42,056	3/4	26,883	3/4	11,704	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: 09/26/2013 CL  
CALCULATED: 09/27/2013 CL  
PRINTED: 09/27/2013 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2013

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



# BARGE "CBC 388"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-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		0	206,336	0	191,867	0	176,758	0	161,579	0	146,400	0	131,222	0	116,043	0	100,861		
1/4		1/4	219,007	1/4	206,043	1/4	191,558	1/4	176,442	1/4	161,263	1/4	146,084	1/4	130,905	1/4	115,726	1/4	100,544
1/2		1/2	218,826	1/2	205,748	1/2	191,247	1/2	176,126	1/2	160,947	1/2	145,768	1/2	130,589	1/2	115,410	1/2	100,228
3/4		3/4	218,644	3/4	205,454	3/4	190,937	3/4	175,810	3/4	160,631	3/4	145,452	3/4	130,273	3/4	115,094	3/4	99,912
1		1	218,463	1	205,160	1	190,626	1	175,493	1	160,314	1	145,136	1	129,957	1	114,778	1	99,595
1/4		1/4	218,281	1/4	204,865	1/4	190,316	1/4	175,177	1/4	159,998	1/4	144,819	1/4	129,640	1/4	114,462	1/4	99,279
1/2		1/2	218,048	1/2	204,570	1/2	190,004	1/2	174,861	1/2	159,682	1/2	144,503	1/2	129,324	1/2	114,145	1/2	98,963
3/4		3/4	217,815	3/4	204,274	3/4	189,692	3/4	174,545	3/4	159,366	3/4	144,187	3/4	129,008	3/4	113,829	3/4	98,646
2		2	217,582	2	203,978	2	189,380	2	174,228	2	159,050	2	143,871	2	128,692	2	113,513	2	98,330
1/4		1/4	217,349	1/4	203,683	1/4	189,068	1/4	173,912	1/4	158,733	1/4	143,554	1/4	128,376	1/4	113,197	1/4	98,013
1/2		1/2	217,097	1/2	203,386	1/2	188,755	1/2	173,596	1/2	158,417	1/2	143,238	1/2	128,059	1/2	112,880	1/2	97,697
3/4		3/4	216,844	3/4	203,089	3/4	188,442	3/4	173,280	3/4	158,101	3/4	142,922	3/4	127,743	3/4	112,564	3/4	97,381
3		3	216,592	3	202,792	3	188,129	3	172,964	3	157,785	3	142,606	3	127,427	3	112,248	3	97,064
1/4		1/4	216,339	1/4	202,495	1/4	187,816	1/4	172,647	1/4	157,468	1/4	142,290	1/4	127,111	1/4	111,932	1/4	96,748
1/2		1/2	216,060	1/2	202,197	1/2	187,501	1/2	172,331	1/2	157,152	1/2	141,973	1/2	126,794	1/2	111,615	1/2	96,432
3/4		3/4	215,782	3/4	201,899	3/4	187,187	3/4	172,015	3/4	156,836	3/4	141,657	3/4	126,478	3/4	111,299	3/4	96,115
4		4	215,503	4	201,601	4	186,873	4	171,699	4	156,520	4	141,341	4	126,162	4	110,983	4	95,799
1/4		1/4	215,224	1/4	201,303	1/4	186,558	1/4	171,382	1/4	156,203	1/4	141,025	1/4	125,846	1/4	110,667	1/4	95,483
1/2		1/2	214,943	1/2	201,003	1/2	186,243	1/2	171,066	1/2	155,887	1/2	140,708	1/2	125,529	1/2	110,351	1/2	95,166
3/4		3/4	214,662	3/4	200,704	3/4	185,927	3/4	170,750	3/4	155,571	3/4	140,392	3/4	125,213	3/4	110,034	3/4	94,850
5		5	214,381	5	200,405	5	185,612	5	170,434	5	155,255	5	140,076	5	124,897	5	109,718	5	94,534
1/4		1/4	214,100	1/4	200,105	1/4	185,296	1/4	170,117	1/4	154,939	1/4	139,760	1/4	124,581	1/4	109,402	1/4	94,217
1/2		1/2	213,817	1/2	199,805	1/2	184,980	1/2	169,801	1/2	154,622	1/2	139,443	1/2	124,265	1/2	109,086	1/2	93,901
3/4		3/4	213,535	3/4	199,504	3/4	184,664	3/4	169,485	3/4	154,306	3/4	139,127	3/4	123,948	3/4	108,769	3/4	93,585
6		6	213,252	6	199,203	6	184,348	6	169,169	6	153,990	6	138,811	6	123,632	6	108,453	6	93,268
1/4		1/4	212,969	1/4	198,903	1/4	184,031	1/4	168,853	1/4	153,674	1/4	138,495	1/4	123,316	1/4	108,137	1/4	92,952
1/2		1/2	212,685	1/2	198,601	1/2	183,715	1/2	168,536	1/2	153,357	1/2	138,179	1/2	123,000	1/2	107,820	1/2	92,636
3/4		3/4	212,401	3/4	198,299	3/4	183,399	3/4	168,220	3/4	153,041	3/4	137,862	3/4	122,683	3/4	107,504	3/4	92,319
7		7	212,117	7	197,997	7	183,083	7	167,904	7	152,725	7	137,546	7	122,367	7	107,187	7	92,003
1/4		1/4	211,833	1/4	197,695	1/4	182,767	1/4	167,588	1/4	152,409	1/4	137,230	1/4	122,051	1/4	106,871	1/4	91,687
1/2		1/2	211,548	1/2	197,391	1/2	182,450	1/2	167,271	1/2	152,093	1/2	136,914	1/2	121,735	1/2	106,555	1/2	91,370
3/4		3/4	211,263	3/4	197,086	3/4	182,134	3/4	166,955	3/4	151,776	3/4	136,597	3/4	121,419	3/4	106,238	3/4	91,054
8		8	210,978	8	196,782	8	181,818	8	166,639	8	151,460	8	136,281	8	121,102	8	105,922	8	90,738
1/4		1/4	210,692	1/4	196,478	1/4	181,502	1/4	166,323	1/4	151,144	1/4	135,965	1/4	120,786	1/4	105,606	1/4	90,421
1/2		1/2	210,406	1/2	196,172	1/2	181,185	1/2	166,007	1/2	150,828	1/2	135,649	1/2	120,470	1/2	105,289	1/2	90,105
3/4		3/4	210,119	3/4	195,866	3/4	180,869	3/4	165,690	3/4	150,511	3/4	135,333	3/4	120,154	3/4	104,973	3/4	89,789
9		9	209,833	9	195,561	9	180,553	9	165,374	9	150,195	9	135,016	9	119,837	9	104,657	9	89,472
1/4		1/4	209,546	1/4	195,255	1/4	180,237	1/4	165,058	1/4	149,879	1/4	134,700	1/4	119,521	1/4	104,340	1/4	89,156
1/2		1/2	209,256	1/2	194,948	1/2	179,921	1/2	164,742	1/2	149,563	1/2	134,384	1/2	119,205	1/2	104,024	1/2	88,839
3/4		3/4	208,965	3/4	194,642	3/4	179,604	3/4	164,425	3/4	149,247	3/4	134,068	3/4	118,889	3/4	103,708	3/4	88,523
10		10	208,674	10	194,335	10	179,288	10	164,109	10	148,930	10	133,751	10	118,572	10	103,391	10	88,207
1/4		1/4	208,383	1/4	194,028	1/4	178,972	1/4	163,793	1/4	148,614	1/4	133,435	1/4	118,256	1/4	103,075	1/4	87,890
1/2		1/2	208,091	1/2	193,720	1/2	178,656	1/2	163,477	1/2	148,298	1/2	133,119	1/2	117,940	1/2	102,759	1/2	87,574
3/4		3/4	207,799	3/4	193,412	3/4	178,339	3/4	163,160	3/4	147,982	3/4	132,803	3/4	117,624	3/4	102,442	3/4	87,258
11		11	207,507	11	193,103	11	178,023	11	162,844	11	147,665	11	132,486	11	117,308	11	102,126	11	86,941
1/4		1/4	207,215	1/4	192,795	1/4	177,707	1/4	162,528	1/4	147,349	1/4	132,170	1/4	116,991	1/4	101,810	1/4	86,625
1/2		1/2	206,922	1/2	192,486	1/2	177,391	1/2	162,212	1/2	147,033	1/2	131,854	1/2	116,675	1/2	101,493	1/2	86,309
3/4		3/4	206,629	3/4	192,177	3/4	177,074	3/4	161,896	3/4	146,717	3/4	131,538	3/4	116,359	3/4	101,177	3/4	85,992

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 TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "CBC 388"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-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	85,676	0	70,491	0	55,307	0	40,683	0	25,627	0	10,443	0		0		0		0	
1/4	85,360	1/4	70,175	1/4	54,991	1/4	40,381	1/4	25,310	1/4	10,126	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	85,043	1/2	69,859	1/2	54,674	1/2	40,079	1/2	24,994	1/2	9,810	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	84,727	3/4	69,542	3/4	54,358	3/4	39,777	3/4	24,678	3/4	9,494	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	84,411	1	69,226	1	54,042	1	39,475	1	24,361	1	9,177	1	1	1	1	1	1	1	1
1/4	84,094	1/4	68,910	1/4	53,725	1/4	39,173	1/4	24,045	1/4	8,861	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	83,778	1/2	68,593	1/2	53,409	1/2	38,871	1/2	23,729	1/2	8,545	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	83,462	3/4	68,277	3/4	53,093	3/4	38,568	3/4	23,412	3/4	8,228	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	83,145	2	67,961	2	52,776	2	38,266	2	23,096	2	7,912	2	2	2	2	2	2	2	2
1/4	82,829	1/4	67,644	1/4	52,460	1/4	37,964	1/4	22,780	1/4	7,596	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	82,513	1/2	67,328	1/2	52,157	1/2	37,647	1/2	22,463	1/2	7,280	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,196	3/4	67,012	3/4	51,855	3/4	37,331	3/4	22,147	3/4	6,963	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	81,880	3	66,695	3	51,552	3	37,015	3	21,831	3	6,647	3	3	3	3	3	3	3	3
1/4	81,564	1/4	66,379	1/4	51,250	1/4	36,698	1/4	21,514	1/4	6,331	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	81,247	1/2	66,063	1/2	50,948	1/2	36,382	1/2	21,198	1/2	6,015	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	80,931	3/4	65,746	3/4	50,646	3/4	36,066	3/4	20,882	3/4	5,699	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	80,615	4	65,430	4	50,344	4	35,749	4	20,565	4	5,383	4	4	4	4	4	4	4	4
1/4	80,298	1/4	65,114	1/4	50,042	1/4	35,433	1/4	20,249	1/4	5,067	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	79,982	1/2	64,797	1/2	49,740	1/2	35,117	1/2	19,933	1/2	4,752	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	79,665	3/4	64,481	3/4	49,438	3/4	34,800	3/4	19,616	3/4	4,437	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	79,349	5	64,165	5	49,137	5	34,484	5	19,300	5	4,123	5	5	5	5	5	5	5	5
1/4	79,033	1/4	63,848	1/4	48,835	1/4	34,168	1/4	18,984	1/4	3,808	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	78,716	1/2	63,532	1/2	48,533	1/2	33,851	1/2	18,667	1/2	3,518	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	78,400	3/4	63,216	3/4	48,231	3/4	33,535	3/4	18,351	3/4	3,228	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	78,084	6	62,899	6	47,929	6	33,219	6	18,035	6	2,938	6	6	6	6	6	6	6	6
1/4	77,767	1/4	62,583	1/4	47,627	1/4	32,902	1/4	17,718	1/4	2,648	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	77,451	1/2	62,267	1/2	47,325	1/2	32,586	1/2	17,402	1/2	2,411	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	77,135	3/4	61,950	3/4	47,023	3/4	32,270	3/4	17,086	3/4	2,174	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	76,818	7	61,634	7	46,721	7	31,953	7	16,769	7	1,937	7	7	7	7	7	7	7	7
1/4	76,502	1/4	61,317	1/4	46,419	1/4	31,637	1/4	16,453	1/4	1,699	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	76,186	1/2	61,001	1/2	46,117	1/2	31,321	1/2	16,137	1/2	1,515	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	75,869	3/4	60,685	3/4	45,815	3/4	31,004	3/4	15,820	3/4	1,330	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	75,553	8	60,368	8	45,514	8	30,688	8	15,504	8	1,146	8	8	8	8	8	8	8	8
1/4	75,237	1/4	60,052	1/4	45,212	1/4	30,372	1/4	15,188	1/4	962	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	74,920	1/2	59,736	1/2	44,910	1/2	30,055	1/2	14,871	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	74,604	3/4	59,419	3/4	44,608	3/4	29,739	3/4	14,555	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	74,288	9	59,103	9	44,306	9	29,423	9	14,239	9		9	9	9	9	9	9	9	9
1/4	73,971	1/4	58,787	1/4	44,004	1/4	29,106	1/4	13,922	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	73,655	1/2	58,470	1/2	43,702	1/2	28,790	1/2	13,606	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	73,339	3/4	58,154	3/4	43,400	3/4	28,474	3/4	13,290	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	73,022	10	57,838	10	43,098	10	28,157	10	12,973	10		10	10	10	10	10	10	10	10
1/4	72,706	1/4	57,521	1/4	42,796	1/4	27,841	1/4	12,657	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	72,390	1/2	57,205	1/2	42,494	1/2	27,525	1/2	12,341	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	72,073	3/4	56,889	3/4	42,192	3/4	27,208	3/4	12,024	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	71,757	11	56,572	11	41,890	11	26,892	11	11,708	11		11	11	11	11	11	11	11	11
1/4	71,441	1/4	56,256	1/4	41,589	1/4	26,576	1/4	11,392	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	71,124	1/2	55,940	1/2	41,287	1/2	26,259	1/2	11,075	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	70,808	3/4	55,623	3/4	40,985	3/4	25,943	3/4	10,759	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: 09/26/2013 CL  
CALCULATED: 09/27/2013 CL  
PRINTED: 09/27/2013 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2013

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



# BARGE "CBC 388"

# 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/2"

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	
0		0		0	179,047	0	171,303	0	163,213	0	155,081	0	146,662	0	131,625	0	116,535	0	101,419
1/4	1/4	1/4	1/4	1/4	178,890	1/4	171,137	1/4	163,043	1/4	154,912	1/4	146,348	1/4	131,310	1/4	116,220	1/4	101,104
1/2	1/2	185,239	1/2	178,733	1/2	170,972	1/2	162,874	1/2	154,742	1/2	146,035	1/2	130,996	1/2	115,905	1/2	100,789	
3/4	3/4	185,202	3/4	178,575	3/4	170,805	3/4	162,704	3/4	154,573	3/4	145,721	3/4	130,682	3/4	115,590	3/4	100,474	
1		1	185,166	1	178,418	1	170,639	1	162,535	1	154,404	1	145,407	1	130,367	1	115,275	1	100,159
1/4	1/4	185,129	1/4	178,260	1/4	170,472	1/4	162,366	1/4	154,234	1/4	145,094	1/4	130,053	1/4	114,960	1/4	99,844	
1/2	1/2	185,093	1/2	178,102	1/2	170,306	1/2	162,196	1/2	154,065	1/2	144,780	1/2	129,739	1/2	114,645	1/2	99,529	
3/4	3/4	185,004	3/4	177,944	3/4	170,139	3/4	162,027	3/4	153,895	3/4	144,467	3/4	129,424	3/4	114,330	3/4	99,214	
2		2	184,916	2	177,785	2	169,972	2	161,857	2	153,726	2	144,153	2	129,110	2	114,016	2	98,899
1/4	1/4	184,828	1/4	177,627	1/4	169,805	1/4	161,688	1/4	153,557	1/4	143,840	1/4	128,796	1/4	113,701	1/4	98,584	
1/2	1/2	184,739	1/2	177,468	1/2	169,638	1/2	161,519	1/2	153,387	1/2	143,526	1/2	128,481	1/2	113,386	1/2	98,269	
3/4	3/4	184,616	3/4	177,309	3/4	169,470	3/4	161,349	3/4	153,218	3/4	143,212	3/4	128,167	3/4	113,071	3/4	97,954	
3		3	184,493	3	177,150	3	169,302	3	161,180	3	153,048	3	142,899	3	127,852	3	112,756	3	97,639
1/4	1/4	184,369	1/4	176,991	1/4	169,135	1/4	161,010	1/4	152,879	1/4	142,585	1/4	127,538	1/4	112,441	1/4	97,324	
1/2	1/2	184,246	1/2	176,832	1/2	168,967	1/2	160,841	1/2	152,710	1/2	142,272	1/2	127,224	1/2	112,126	1/2	97,009	
3/4	3/4	184,098	3/4	176,672	3/4	168,798	3/4	160,672	3/4	152,540	3/4	141,958	3/4	126,909	3/4	111,811	3/4	96,694	
4		4	183,949	4	176,512	4	168,630	4	160,502	4	152,371	4	141,645	4	126,595	4	111,496	4	96,379
1/4	1/4	183,800	1/4	176,353	1/4	168,462	1/4	160,333	1/4	152,201	1/4	141,331	1/4	126,281	1/4	111,182	1/4	96,064	
1/2	1/2	183,652	1/2	176,193	1/2	168,293	1/2	160,163	1/2	152,032	1/2	141,017	1/2	125,966	1/2	110,867	1/2	95,749	
3/4	3/4	183,501	3/4	176,032	3/4	168,124	3/4	159,994	3/4	151,863	3/4	140,704	3/4	125,652	3/4	110,552	3/4	95,435	
5		5	183,351	5	175,872	5	167,955	5	159,825	5	151,693	5	140,390	5	125,338	5	110,237	5	95,120
1/4	1/4	183,201	1/4	175,711	1/4	167,786	1/4	159,655	1/4	151,524	1/4	140,077	1/4	125,023	1/4	109,922	1/4	94,805	
1/2	1/2	183,050	1/2	175,551	1/2	167,617	1/2	159,486	1/2	151,354	1/2	139,763	1/2	124,709	1/2	109,607	1/2	94,490	
3/4	3/4	182,899	3/4	175,390	3/4	167,448	3/4	159,316	3/4	151,185	3/4	139,450	3/4	124,395	3/4	109,292	3/4	94,175	
6		6	182,747	6	175,229	6	167,278	6	159,147	6	151,016	6	139,137	6	124,080	6	108,977	6	93,860
1/4	1/4	182,596	1/4	175,068	1/4	167,109	1/4	158,978	1/4	150,846	1/4	138,824	1/4	123,766	1/4	108,662	1/4	93,545	
1/2	1/2	182,444	1/2	174,907	1/2	166,939	1/2	158,808	1/2	150,677	1/2	138,512	1/2	123,452	1/2	108,347	1/2	93,230	
3/4	3/4	182,292	3/4	174,745	3/4	166,770	3/4	158,639	3/4	150,507	3/4	138,199	3/4	123,137	3/4	108,032	3/4	92,915	
7		7	182,140	7	174,583	7	166,601	7	158,469	7	150,338	7	137,886	7	122,823	7	107,717	7	92,600
1/4	1/4	181,988	1/4	174,421	1/4	166,431	1/4	158,300	1/4	150,169	1/4	137,573	1/4	122,509	1/4	107,402	1/4	92,285	
1/2	1/2	181,836	1/2	174,259	1/2	166,262	1/2	158,131	1/2	149,999	1/2	137,260	1/2	122,194	1/2	107,088	1/2	91,970	
3/4	3/4	181,683	3/4	174,096	3/4	166,092	3/4	157,961	3/4	149,830	3/4	136,947	3/4	121,880	3/4	106,773	3/4	91,655	
8		8	181,530	8	173,933	8	165,923	8	157,792	8	149,660	8	136,634	8	121,566	8	106,458	8	91,340
1/4	1/4	181,377	1/4	173,770	1/4	165,754	1/4	157,622	1/4	149,491	1/4	136,321	1/4	121,251	1/4	106,143	1/4	91,025	
1/2	1/2	181,224	1/2	173,607	1/2	165,584	1/2	157,453	1/2	149,322	1/2	136,008	1/2	120,937	1/2	105,828	1/2	90,710	
3/4	3/4	181,071	3/4	173,443	3/4	165,415	3/4	157,283	3/4	149,152	3/4	135,695	3/4	120,622	3/4	105,513	3/4	90,395	
9		9	180,918	9	173,280	9	165,245	9	157,114	9	148,983	9	135,382	9	120,308	9	105,198	9	90,080
1/4	1/4	180,764	1/4	173,116	1/4	165,076	1/4	156,945	1/4	148,813	1/4	135,070	1/4	119,994	1/4	104,883	1/4	89,766	
1/2	1/2	180,611	1/2	172,952	1/2	164,907	1/2	156,775	1/2	148,644	1/2	134,757	1/2	119,679	1/2	104,568	1/2	89,451	
3/4	3/4	180,455	3/4	172,788	3/4	164,737	3/4	156,606	3/4	148,475	3/4	134,444	3/4	119,365	3/4	104,253	3/4	89,136	
10		10	180,299	10	172,624	10	164,568	10	156,436	10	148,305	10	134,131	10	119,051	10	103,938	10	88,821
1/4	1/4	180,143	1/4	172,459	1/4	164,398	1/4	156,267	1/4	148,136	1/4	133,818	1/4	118,736	1/4	103,623	1/4	88,506	
1/2	1/2	179,987	1/2	172,295	1/2	164,229	1/2	156,098	1/2	147,966	1/2	133,505	1/2	118,422	1/2	103,308	1/2	88,191	
3/4	3/4	179,831	3/4	172,130	3/4	164,060	3/4	155,928	3/4	147,797	3/4	133,192	3/4	118,108	3/4	102,993	3/4	87,876	
11		11	179,675	11	171,965	11	163,890	11	155,759	11	147,628	11	132,879	11	117,793	11	102,678	11	87,561
1/4	1/4	179,518	1/4	171,800	1/4	163,721	1/4	155,589	1/4	147,458	1/4	132,566	1/4	117,479	1/4	102,363	1/4	87,246	
1/2	1/2	179,362	1/2	171,634	1/2	163,551	1/2	155,420	1/2	147,289	1/2	132,253	1/2	117,165	1/2	102,048	1/2	86,931	
3/4	3/4	179,205	3/4	171,469	3/4	163,382	3/4	155,251	3/4	146,975	3/4	131,939	3/4	116,850	3/4	101,733	3/4	86,616	

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 TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 55'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "CBC 388"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-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	86,301	0	71,180	0	56,060	0	40,951	0	25,834	0	10,714	0		0		0		0	
1/4	85,986	1/4	70,865	1/4	55,745	1/4	40,637	1/4	25,519	1/4	10,399	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	85,671	1/2	70,550	1/2	55,430	1/2	40,322	1/2	25,204	1/2	10,084	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	85,356	3/4	70,235	3/4	55,115	3/4	40,007	3/4	24,889	3/4	9,769	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	85,041	1	69,920	1	54,800	1	39,693	1	24,574	1	9,454	1	1	1	1	1	1	1	1
1/4	84,726	1/4	69,605	1/4	54,485	1/4	39,378	1/4	24,259	1/4	9,139	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	84,411	1/2	69,290	1/2	54,170	1/2	39,063	1/2	23,944	1/2	8,824	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	84,096	3/4	68,975	3/4	53,855	3/4	38,749	3/4	23,629	3/4	8,509	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	83,781	2	68,660	2	53,540	2	38,434	2	23,314	2	8,194	2	2	2	2	2	2	2	2
1/4	83,466	1/4	68,345	1/4	53,224	1/4	38,119	1/4	22,999	1/4	7,879	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	83,151	1/2	68,030	1/2	52,909	1/2	37,804	1/2	22,684	1/2	7,564	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,836	3/4	67,715	3/4	52,594	3/4	37,489	3/4	22,369	3/4	7,249	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	82,521	3	67,400	3	52,279	3	37,174	3	22,054	3	6,934	3	3	3	3	3	3	3	3
1/4	82,206	1/4	67,085	1/4	51,964	1/4	36,859	1/4	21,739	1/4	6,619	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	81,891	1/2	66,770	1/2	51,649	1/2	36,544	1/2	21,424	1/2	6,304	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	81,576	3/4	66,455	3/4	51,335	3/4	36,229	3/4	21,109	3/4	5,990	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	81,261	4	66,140	4	51,020	4	35,914	4	20,794	4	5,675	4	4	4	4	4	4	4	4
1/4	80,946	1/4	65,825	1/4	50,705	1/4	35,599	1/4	20,479	1/4	5,360	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	80,631	1/2	65,510	1/2	50,390	1/2	35,284	1/2	20,164	1/2	5,046	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	80,316	3/4	65,195	3/4	50,075	3/4	34,969	3/4	19,849	3/4	4,732	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	80,001	5	64,880	5	49,761	5	34,654	5	19,534	5	4,419	5	5	5	5	5	5	5	5
1/4	79,686	1/4	64,565	1/4	49,446	1/4	34,339	1/4	19,219	1/4	4,105	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	79,371	1/2	64,250	1/2	49,131	1/2	34,024	1/2	18,904	1/2	3,792	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	79,056	3/4	63,935	3/4	48,817	3/4	33,709	3/4	18,589	3/4	3,503	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	78,741	6	63,620	6	48,502	6	33,394	6	18,274	6	3,214	6	6	6	6	6	6	6	6
1/4	78,426	1/4	63,305	1/4	48,187	1/4	33,079	1/4	17,959	1/4	2,926	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	78,111	1/2	62,990	1/2	47,873	1/2	32,764	1/2	17,644	1/2	2,637	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	77,796	3/4	62,675	3/4	47,558	3/4	32,449	3/4	17,329	3/4	2,401	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	77,481	7	62,360	7	47,244	7	32,134	7	17,014	7	2,165	7	7	7	7	7	7	7	7
1/4	77,166	1/4	62,045	1/4	46,929	1/4	31,819	1/4	16,699	1/4	1,928	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	76,851	1/2	61,730	1/2	46,614	1/2	31,504	1/2	16,384	1/2	1,692	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	76,536	3/4	61,415	3/4	46,300	3/4	31,189	3/4	16,069	3/4	1,508	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	76,221	8	61,100	8	45,985	8	30,874	8	15,754	8	1,325	8	8	8	8	8	8	8	8
1/4	75,906	1/4	60,785	1/4	45,671	1/4	30,559	1/4	15,439	1/4	1,141	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	75,591	1/2	60,470	1/2	45,356	1/2	30,244	1/2	15,124	1/2	958	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	75,276	3/4	60,155	3/4	45,041	3/4	29,929	3/4	14,809	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	74,961	9	59,840	9	44,727	9	29,614	9	14,494	9		9	9	9	9	9	9	9	9
1/4	74,646	1/4	59,525	1/4	44,412	1/4	29,299	1/4	14,179	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	74,331	1/2	59,210	1/2	44,097	1/2	28,984	1/2	13,864	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	74,016	3/4	58,895	3/4	43,783	3/4	28,669	3/4	13,549	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	73,701	10	58,580	10	43,468	10	28,354	10	13,234	10		10	10	10	10	10	10	10	10
1/4	73,386	1/4	58,265	1/4	43,154	1/4	28,039	1/4	12,919	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	73,071	1/2	57,950	1/2	42,839	1/2	27,724	1/2	12,604	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	72,756	3/4	57,635	3/4	42,524	3/4	27,409	3/4	12,289	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	72,441	11	57,320	11	42,210	11	27,094	11	11,974	11		11	11	11	11	11	11	11	11
1/4	72,126	1/4	57,005	1/4	41,895	1/4	26,779	1/4	11,659	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	71,811	1/2	56,690	1/2	41,580	1/2	26,464	1/2	11,344	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	71,496	3/4	56,375	3/4	41,266	3/4	26,149	3/4	11,029	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: 09/26/2013 CL  
CALCULATED: 09/27/2013 CL  
PRINTED: 09/27/2013 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2013

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



# BARGE "CBC 388"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/2"

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	177,861	0	170,147	0	162,086	0	153,985	0	145,596	0	130,591	0	115,540	0	100,456
1/4	1/4	1/4	1/4	1/4	177,705	1/4	169,982	1/4	161,918	1/4	153,817	1/4	145,283	1/4	130,277	1/4	115,226	1/4	100,142
1/2	1/2	1/2	184,024	1/2	177,548	1/2	169,816	1/2	161,749	1/2	153,648	1/2	144,970	1/2	129,963	1/2	114,912	1/2	99,828
3/4	3/4	3/4	183,988	3/4	177,391	3/4	169,651	3/4	161,580	3/4	153,479	3/4	144,657	3/4	129,650	3/4	114,598	3/4	99,513
1		1	183,952	1	177,234	1	169,485	1	161,411	1	153,310	1	144,344	1	129,336	1	114,283	1	99,199
1/4	1/4	1/4	183,916	1/4	177,077	1/4	169,319	1/4	161,243	1/4	153,141	1/4	144,031	1/4	129,022	1/4	113,969	1/4	98,885
1/2	1/2	1/2	183,880	1/2	176,919	1/2	169,153	1/2	161,074	1/2	152,973	1/2	143,719	1/2	128,709	1/2	113,655	1/2	98,570
3/4	3/4	3/4	183,792	3/4	176,762	3/4	168,987	3/4	160,905	3/4	152,804	3/4	143,406	3/4	128,395	3/4	113,341	3/4	98,256
2		2	183,705	2	176,604	2	168,821	2	160,736	2	152,635	2	143,093	2	128,082	2	113,026	2	97,942
1/4	1/4	1/4	183,617	1/4	176,446	1/4	168,654	1/4	160,567	1/4	152,466	1/4	142,780	1/4	127,769	1/4	112,712	1/4	97,628
1/2	1/2	1/2	183,529	1/2	176,288	1/2	168,488	1/2	160,399	1/2	152,298	1/2	142,467	1/2	127,455	1/2	112,398	1/2	97,313
3/4	3/4	3/4	183,406	3/4	176,130	3/4	168,321	3/4	160,230	3/4	152,129	3/4	142,154	3/4	127,142	3/4	112,084	3/4	96,999
3		3	183,284	3	175,971	3	168,153	3	160,061	3	151,960	3	141,841	3	126,828	3	111,770	3	96,685
1/4	1/4	1/4	183,161	1/4	175,813	1/4	167,986	1/4	159,892	1/4	151,791	1/4	141,528	1/4	126,515	1/4	111,455	1/4	96,370
1/2	1/2	1/2	183,039	1/2	175,654	1/2	167,819	1/2	159,724	1/2	151,622	1/2	141,215	1/2	126,202	1/2	111,141	1/2	96,056
3/4	3/4	3/4	182,891	3/4	175,495	3/4	167,651	3/4	159,555	3/4	151,454	3/4	140,902	3/4	125,888	3/4	110,827	3/4	95,742
4		4	182,743	4	175,336	4	167,484	4	159,386	4	151,285	4	140,590	4	125,575	4	110,513	4	95,428
1/4	1/4	1/4	182,594	1/4	175,177	1/4	167,316	1/4	159,217	1/4	151,116	1/4	140,277	1/4	125,262	1/4	110,199	1/4	95,113
1/2	1/2	1/2	182,446	1/2	175,018	1/2	167,148	1/2	159,048	1/2	150,947	1/2	139,964	1/2	124,948	1/2	109,884	1/2	94,799
3/4	3/4	3/4	182,297	3/4	174,858	3/4	166,980	3/4	158,880	3/4	150,779	3/4	139,651	3/4	124,635	3/4	109,570	3/4	94,485
5		5	182,147	5	174,698	5	166,811	5	158,711	5	150,610	5	139,338	5	124,322	5	109,256	5	94,171
1/4	1/4	1/4	181,997	1/4	174,538	1/4	166,643	1/4	158,542	1/4	150,441	1/4	139,025	1/4	124,008	1/4	108,942	1/4	93,856
1/2	1/2	1/2	181,847	1/2	174,378	1/2	166,475	1/2	158,373	1/2	150,272	1/2	138,712	1/2	123,695	1/2	108,627	1/2	93,542
3/4	3/4	3/4	181,697	3/4	174,218	3/4	166,306	3/4	158,205	3/4	150,104	3/4	138,400	3/4	123,381	3/4	108,313	3/4	93,228
6		6	181,546	6	174,057	6	166,137	6	158,036	6	149,935	6	138,088	6	123,068	6	107,999	6	92,913
1/4	1/4	1/4	181,395	1/4	173,897	1/4	165,968	1/4	157,867	1/4	149,766	1/4	137,775	1/4	122,755	1/4	107,685	1/4	92,599
1/2	1/2	1/2	181,244	1/2	173,736	1/2	165,799	1/2	157,698	1/2	149,597	1/2	137,463	1/2	122,441	1/2	107,370	1/2	92,285
3/4	3/4	3/4	181,093	3/4	173,575	3/4	165,631	3/4	157,530	3/4	149,428	3/4	137,151	3/4	122,128	3/4	107,056	3/4	91,971
7		7	180,941	7	173,414	7	165,462	7	157,361	7	149,260	7	136,839	7	121,815	7	106,742	7	91,656
1/4	1/4	1/4	180,790	1/4	173,253	1/4	165,293	1/4	157,192	1/4	149,091	1/4	136,526	1/4	121,501	1/4	106,428	1/4	91,342
1/2	1/2	1/2	180,638	1/2	173,092	1/2	165,124	1/2	157,023	1/2	148,922	1/2	136,214	1/2	121,188	1/2	106,113	1/2	91,028
3/4	3/4	3/4	180,486	3/4	172,929	3/4	164,956	3/4	156,854	3/4	148,753	3/4	135,902	3/4	120,874	3/4	105,799	3/4	90,713
8		8	180,334	8	172,767	8	164,787	8	156,686	8	148,585	8	135,590	8	120,561	8	105,485	8	90,399
1/4	1/4	1/4	180,181	1/4	172,605	1/4	164,618	1/4	156,517	1/4	148,416	1/4	135,277	1/4	120,247	1/4	105,170	1/4	90,085
1/2	1/2	1/2	180,029	1/2	172,442	1/2	164,449	1/2	156,348	1/2	148,247	1/2	134,965	1/2	119,933	1/2	104,856	1/2	89,771
3/4	3/4	3/4	179,876	3/4	172,279	3/4	164,280	3/4	156,179	3/4	148,078	3/4	134,653	3/4	119,619	3/4	104,542	3/4	89,456
9		9	179,724	9	172,116	9	164,112	9	156,011	9	147,909	9	134,341	9	119,306	9	104,228	9	89,142
1/4	1/4	1/4	179,571	1/4	171,953	1/4	163,943	1/4	155,842	1/4	147,741	1/4	134,028	1/4	118,992	1/4	103,913	1/4	88,828
1/2	1/2	1/2	179,418	1/2	171,790	1/2	163,774	1/2	155,673	1/2	147,572	1/2	133,716	1/2	118,678	1/2	103,599	1/2	88,513
3/4	3/4	3/4	179,263	3/4	171,626	3/4	163,605	3/4	155,504	3/4	147,403	3/4	133,404	3/4	118,365	3/4	103,285	3/4	88,199
10		10	179,108	10	171,462	10	163,437	10	155,335	10	147,234	10	133,092	10	118,051	10	102,970	10	87,885
1/4	1/4	1/4	178,952	1/4	171,298	1/4	163,268	1/4	155,167	1/4	147,066	1/4	132,779	1/4	117,737	1/4	102,656	1/4	87,571
1/2	1/2	1/2	178,797	1/2	171,135	1/2	163,099	1/2	154,998	1/2	146,897	1/2	132,467	1/2	117,424	1/2	102,342	1/2	87,256
3/4	3/4	3/4	178,641	3/4	170,970	3/4	162,930	3/4	154,829	3/4	146,728	3/4	132,155	3/4	117,110	3/4	102,028	3/4	86,942
11		11	178,486	11	170,806	11	162,762	11	154,660	11	146,559	11	131,843	11	116,796	11	101,713	11	86,628
1/4	1/4	1/4	178,330	1/4	170,641	1/4	162,593	1/4	154,492	1/4	146,391	1/4	131,530	1/4	116,483	1/4	101,399	1/4	86,313
1/2	1/2	1/2	178,174	1/2	170,477	1/2	162,424	1/2	154,323	1/2	146,222	1/2	131,218	1/2	116,169	1/2	101,085	1/2	85,999
3/4	3/4	3/4	178,018	3/4	170,312	3/4	162,255	3/4	154,154	3/4	145,909	3/4	130,904	3/4	115,855	3/4	100,770	3/4	85,685

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 TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 55'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "CBC 388"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-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	85,371	0	70,282	0	55,250	0	40,589	0	25,789	0	10,696	0		0		0		0	
1/4	85,056	1/4	69,967	1/4	54,938	1/4	40,288	1/4	25,475	1/4	10,382	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	84,742	1/2	69,653	1/2	54,626	1/2	39,988	1/2	25,160	1/2	10,067	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	84,428	3/4	69,339	3/4	54,315	3/4	39,688	3/4	24,846	3/4	9,753	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	84,113	1	69,024	1	54,003	1	39,388	1	24,532	1	9,438	1	1	1	1	1	1	1	1
1/4	83,799	1/4	68,710	1/4	53,691	1/4	39,087	1/4	24,217	1/4	9,124	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	83,485	1/2	68,396	1/2	53,379	1/2	38,787	1/2	23,903	1/2	8,810	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	83,170	3/4	68,081	3/4	53,068	3/4	38,487	3/4	23,588	3/4	8,495	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	82,856	2	67,767	2	52,756	2	38,186	2	23,274	2	8,181	2	2	2	2	2	2	2	2
1/4	82,542	1/4	67,453	1/4	52,444	1/4	37,886	1/4	22,959	1/4	7,866	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	82,227	1/2	67,138	1/2	52,132	1/2	37,586	1/2	22,645	1/2	7,552	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	81,913	3/4	66,824	3/4	51,821	3/4	37,284	3/4	22,331	3/4	7,237	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	81,599	3	66,510	3	51,510	3	36,983	3	22,016	3	6,923	3	3	3	3	3	3	3	3
1/4	81,284	1/4	66,195	1/4	51,199	1/4	36,682	1/4	21,702	1/4	6,609	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	80,970	1/2	65,881	1/2	50,888	1/2	36,380	1/2	21,387	1/2	6,294	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	80,655	3/4	65,567	3/4	50,577	3/4	36,079	3/4	21,073	3/4	5,980	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	80,341	4	65,252	4	50,266	4	35,778	4	20,758	4	5,666	4	4	4	4	4	4	4	4
1/4	80,027	1/4	64,938	1/4	49,955	1/4	35,476	1/4	20,444	1/4	5,351	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	79,712	1/2	64,623	1/2	49,644	1/2	35,175	1/2	20,129	1/2	5,037	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	79,398	3/4	64,309	3/4	49,332	3/4	34,872	3/4	19,815	3/4	4,724	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	79,084	5	63,995	5	49,020	5	34,570	5	19,501	5	4,411	5	5	5	5	5	5	5	5
1/4	78,769	1/4	63,680	1/4	48,708	1/4	34,267	1/4	19,186	1/4	4,098	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	78,455	1/2	63,366	1/2	48,395	1/2	33,965	1/2	18,872	1/2	3,785	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	78,141	3/4	63,052	3/4	48,095	3/4	33,650	3/4	18,557	3/4	3,498	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	77,826	6	62,737	6	47,795	6	33,336	6	18,243	6	3,210	6	6	6	6	6	6	6	6
1/4	77,512	1/4	62,423	1/4	47,495	1/4	33,022	1/4	17,928	1/4	2,922	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	77,198	1/2	62,109	1/2	47,194	1/2	32,707	1/2	17,614	1/2	2,635	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	76,883	3/4	61,797	3/4	46,894	3/4	32,393	3/4	17,299	3/4	2,399	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	76,569	7	61,485	7	46,594	7	32,078	7	16,985	7	2,163	7	7	7	7	7	7	7	7
1/4	76,255	1/4	61,173	1/4	46,294	1/4	31,764	1/4	16,671	1/4	1,927	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	75,940	1/2	60,862	1/2	45,993	1/2	31,449	1/2	16,356	1/2	1,692	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	75,626	3/4	60,550	3/4	45,693	3/4	31,135	3/4	16,042	3/4	1,508	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	75,311	8	60,238	8	45,393	8	30,820	8	15,727	8	1,324	8	8	8	8	8	8	8	8
1/4	74,997	1/4	59,926	1/4	45,093	1/4	30,506	1/4	15,413	1/4	1,141	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	74,683	1/2	59,615	1/2	44,792	1/2	30,192	1/2	15,098	1/2	957	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	74,368	3/4	59,303	3/4	44,492	3/4	29,877	3/4	14,784	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	74,054	9	58,991	9	44,192	9	29,563	9	14,469	9		9	9	9	9	9	9	9	9
1/4	73,740	1/4	58,679	1/4	43,892	1/4	29,248	1/4	14,155	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	73,425	1/2	58,367	1/2	43,591	1/2	28,934	1/2	13,841	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	73,111	3/4	58,056	3/4	43,291	3/4	28,619	3/4	13,526	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	72,797	10	57,744	10	42,991	10	28,305	10	13,212	10		10	10	10	10	10	10	10	10
1/4	72,482	1/4	57,432	1/4	42,690	1/4	27,990	1/4	12,897	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	72,168	1/2	57,120	1/2	42,390	1/2	27,676	1/2	12,583	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	71,854	3/4	56,809	3/4	42,090	3/4	27,362	3/4	12,268	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	71,539	11	56,497	11	41,790	11	27,047	11	11,954	11		11	11	11	11	11	11	11	11
1/4	71,225	1/4	56,185	1/4	41,489	1/4	26,733	1/4	11,639	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	70,911	1/2	55,873	1/2	41,189	1/2	26,418	1/2	11,325	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	70,596	3/4	55,562	3/4	40,889	3/4	26,104	3/4	11,011	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: 09/26/2013 CL  
CALCULATED: 09/27/2013 CL  
PRINTED: 09/27/2013 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2013

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