



# BARGE "CBC 1377"

## INNAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>										
1 CENTER	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4
2 CENTER	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8
3 CENTER	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-3/4	- 00-3/4	01-1/8	- 01-1/8	01-3/8	- 01-3/8	01-5/8	- 01-5/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 161'-09"

June 19, 2014

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

<http://www.pmacorp.net>



# BARGE "CBC 1377"

## 1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	39	0	8,075	0	18,843	0	29,460	0	40,107	0	50,847	0	61,586	0	72,303	0	83,021	0	93,764
1/4	58	1/4	8,300	1/4	19,067	1/4	29,678	1/4	40,331	1/4	51,070	1/4	61,810	1/4	72,525	1/4	83,245	1/4	93,988
1/2	77	1/2	8,524	1/2	19,291	1/2	29,896	1/2	40,555	1/2	51,294	1/2	62,034	1/2	72,748	1/2	83,469	1/2	94,212
3/4	95	3/4	8,748	3/4	19,516	3/4	30,114	3/4	40,778	3/4	51,518	3/4	62,258	3/4	72,970	3/4	83,693	3/4	94,436
1	114	1	8,973	1	19,740	1	30,332	1	41,002	1	51,742	1	62,481	1	73,192	1	83,916	1	94,659
1/4	170	1/4	9,197	1/4	19,964	1/4	30,550	1/4	41,226	1/4	51,965	1/4	62,705	1/4	73,415	1/4	84,140	1/4	94,883
1/2	226	1/2	9,421	1/2	20,189	1/2	30,768	1/2	41,450	1/2	52,189	1/2	62,929	1/2	73,637	1/2	84,364	1/2	95,107
3/4	282	3/4	9,646	3/4	20,413	3/4	30,986	3/4	41,673	3/4	52,413	3/4	63,153	3/4	73,860	3/4	84,588	3/4	95,331
2	338	2	9,870	2	20,637	2	31,204	2	41,897	2	52,637	2	63,376	2	74,082	2	84,812	2	95,555
1/4	432	1/4	10,094	1/4	20,862	1/4	31,422	1/4	42,121	1/4	52,860	1/4	63,600	1/4	74,304	1/4	85,035	1/4	95,778
1/2	525	1/2	10,319	1/2	21,086	1/2	31,640	1/2	42,344	1/2	53,084	1/2	63,824	1/2	74,527	1/2	85,259	1/2	96,002
3/4	619	3/4	10,543	3/4	21,310	3/4	31,858	3/4	42,568	3/4	53,308	3/4	64,048	3/4	74,749	3/4	85,483	3/4	96,226
3	712	3	10,767	3	21,535	3	32,076	3	42,792	3	53,532	3	64,271	3	74,972	3	85,707	3	96,450
1/4	843	1/4	10,991	1/4	21,759	1/4	32,293	1/4	43,016	1/4	53,755	1/4	64,495	1/4	75,194	1/4	85,931	1/4	96,674
1/2	974	1/2	11,216	1/2	21,983	1/2	32,511	1/2	43,239	1/2	53,979	1/2	64,719	1/2	75,416	1/2	86,155	1/2	96,898
3/4	1,105	3/4	11,440	3/4	22,208	3/4	32,729	3/4	43,463	3/4	54,203	3/4	64,943	3/4	75,639	3/4	86,378	3/4	97,121
4	1,235	4	11,664	4	22,432	4	32,947	4	43,687	4	54,427	4	65,166	4	75,861	4	86,602	4	97,345
1/4	1,404	1/4	11,889	1/4	22,656	1/4	33,171	1/4	43,911	1/4	54,650	1/4	65,390	1/4	76,084	1/4	86,826	1/4	97,569
1/2	1,572	1/2	12,113	1/2	22,881	1/2	33,395	1/2	44,134	1/2	54,874	1/2	65,614	1/2	76,307	1/2	87,050	1/2	97,793
3/4	1,740	3/4	12,337	3/4	23,105	3/4	33,619	3/4	44,358	3/4	55,098	3/4	65,837	3/4	76,530	3/4	87,274	3/4	98,017
5	1,908	5	12,562	5	23,329	5	33,842	5	44,582	5	55,322	5	66,061	5	76,754	5	87,497	5	98,240
1/4	2,113	1/4	12,786	1/4	23,554	1/4	34,066	1/4	44,806	1/4	55,545	1/4	66,285	1/4	76,977	1/4	87,721	1/4	98,464
1/2	2,318	1/2	13,010	1/2	23,778	1/2	34,290	1/2	45,029	1/2	55,769	1/2	66,509	1/2	77,201	1/2	87,945	1/2	98,688
3/4	2,523	3/4	13,235	3/4	24,002	3/4	34,513	3/4	45,253	3/4	55,993	3/4	66,732	3/4	77,425	3/4	88,169	3/4	98,912
6	2,728	6	13,459	6	24,227	6	34,737	6	45,477	6	56,217	6	66,956	6	77,649	6	88,393	6	99,136
1/4	2,948	1/4	13,683	1/4	24,445	1/4	34,961	1/4	45,701	1/4	56,440	1/4	67,179	1/4	77,873	1/4	88,616	1/4	99,359
1/2	3,168	1/2	13,908	1/2	24,663	1/2	35,185	1/2	45,924	1/2	56,664	1/2	67,402	1/2	78,097	1/2	88,840	1/2	99,583
3/4	3,388	3/4	14,132	3/4	24,882	3/4	35,408	3/4	46,148	3/4	56,888	3/4	67,626	3/4	78,320	3/4	89,064	3/4	99,807
7	3,608	7	14,356	7	25,100	7	35,632	7	46,372	7	57,112	7	67,849	7	78,544	7	89,288	7	100,031
1/4	3,830	1/4	14,581	1/4	25,318	1/4	35,856	1/4	46,596	1/4	57,335	1/4	68,072	1/4	78,768	1/4	89,512	1/4	100,255
1/2	4,051	1/2	14,805	1/2	25,537	1/2	36,080	1/2	46,819	1/2	57,559	1/2	68,295	1/2	78,992	1/2	89,736	1/2	100,478
3/4	4,273	3/4	15,029	3/4	25,755	3/4	36,303	3/4	47,043	3/4	57,783	3/4	68,518	3/4	79,216	3/4	89,959	3/4	100,702
8	4,495	8	15,254	8	25,973	8	36,527	8	47,267	8	58,006	8	68,741	8	79,440	8	90,183	8	100,926
1/4	4,718	1/4	15,478	1/4	26,191	1/4	36,751	1/4	47,491	1/4	58,230	1/4	68,965	1/4	79,664	1/4	90,407	1/4	101,150
1/2	4,941	1/2	15,702	1/2	26,409	1/2	36,975	1/2	47,714	1/2	58,454	1/2	69,188	1/2	79,887	1/2	90,631	1/2	101,374
3/4	5,164	3/4	15,927	3/4	26,627	3/4	37,198	3/4	47,938	3/4	58,678	3/4	69,411	3/4	80,111	3/4	90,855	3/4	101,598
9	5,387	9	16,151	9	26,845	9	37,422	9	48,162	9	58,901	9	69,634	9	80,335	9	91,078	9	101,821
1/4	5,611	1/4	16,375	1/4	27,063	1/4	37,646	1/4	48,386	1/4	59,125	1/4	69,856	1/4	80,559	1/4	91,302	1/4	102,045
1/2	5,834	1/2	16,600	1/2	27,281	1/2	37,870	1/2	48,609	1/2	59,349	1/2	70,079	1/2	80,783	1/2	91,526	1/2	102,269
3/4	6,058	3/4	16,824	3/4	27,499	3/4	38,093	3/4	48,833	3/4	59,573	3/4	70,301	3/4	81,007	3/4	91,750	3/4	102,493
10	6,282	10	17,048	10	27,717	10	38,317	10	49,057	10	59,796	10	70,524	10	81,230	10	91,974	10	102,717
1/4	6,506	1/4	17,273	1/4	27,935	1/4	38,541	1/4	49,281	1/4	60,020	1/4	70,746	1/4	81,454	1/4	92,197	1/4	102,940
1/2	6,730	1/2	17,497	1/2	28,153	1/2	38,765	1/2	49,504	1/2	60,244	1/2	70,968	1/2	81,678	1/2	92,421	1/2	103,164
3/4	6,954	3/4	17,721	3/4	28,371	3/4	38,988	3/4	49,728	3/4	60,468	3/4	71,191	3/4	81,902	3/4	92,645	3/4	103,388
11	7,178	11	17,946	11	28,588	11	39,212	11	49,952	11	60,691	11	71,413	11	82,126	11	92,869	11	103,612
1/4	7,402	1/4	18,170	1/4	28,806	1/4	39,436	1/4	50,175	1/4	60,915	1/4	71,636	1/4	82,350	1/4	93,093	1/4	103,836
1/2	7,627	1/2	18,394	1/2	29,024	1/2	39,660	1/2	50,399	1/2	61,139	1/2	71,858	1/2	82,573	1/2	93,317	1/2	104,059
3/4	7,851	3/4	18,618	3/4	29,242	3/4	39,883	3/4	50,623	3/4	61,363	3/4	72,080	3/4	82,797	3/4	93,540	3/4	104,283

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE  
 GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 26'-03" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
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# BARGE "CBC 1377"

## 1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	104,507	0	114,588	0	124,029	0	133,428	0	142,811	0		0		0		0		0	
1/4	104,731	1/4	114,785	1/4	124,225	1/4	133,624	1/4	143,005	1/4		1/4		1/4		1/4		1/4	
1/2	104,954	1/2	114,981	1/2	124,421	1/2	133,821	1/2	143,199	1/2		1/2		1/2		1/2		1/2	
3/4	105,178	3/4	115,178	3/4	124,618	3/4	134,017	3/4	143,393	3/4		3/4		3/4		3/4		3/4	
1	105,401	1	115,375	1	124,814	1	134,213	1	143,587	1		1		1		1		1	
1/4	105,625	1/4	115,571	1/4	125,010	1/4	134,409	1/4	143,782	1/4		1/4		1/4		1/4		1/4	
1/2	105,848	1/2	115,768	1/2	125,206	1/2	134,605	1/2	143,976	1/2		1/2		1/2		1/2		1/2	
3/4	106,072	3/4	115,965	3/4	125,402	3/4	134,801	3/4	144,170	3/4		3/4		3/4		3/4		3/4	
2	106,296	2	116,162	2	125,598	2	134,998	2	144,364	2		2		2		2		2	
1/4	106,519	1/4	116,358	1/4	125,795	1/4	135,194	1/4	144,567	1/4		1/4		1/4		1/4		1/4	
1/2	106,743	1/2	116,555	1/2	125,991	1/2	135,390	1/2	144,770	1/2		1/2		1/2		1/2		1/2	
3/4	106,966	3/4	116,752	3/4	126,187	3/4	135,586	3/4	144,973	3/4		3/4		3/4		3/4		3/4	
3	107,190	3	116,948	3	126,383	3	135,782	3	145,176	3		3		3		3		3	
1/4	107,413	1/4	117,145	1/4	126,579	1/4	135,978	1/4	145,341	1/4		1/4		1/4		1/4		1/4	
1/2	107,637	1/2	117,342	1/2	126,775	1/2	136,175	1/2	145,507	1/2		1/2		1/2		1/2		1/2	
3/4	107,861	3/4	117,538	3/4	126,972	3/4	136,371	3/4	145,673	3/4		3/4		3/4		3/4		3/4	
4	108,084	4	117,735	4	127,168	4	136,567	4	145,838	4		4		4		4		4	
1/4	108,308	1/4	117,932	1/4	127,364	1/4	136,763	1/4	145,966	1/4		1/4		1/4		1/4		1/4	
1/2	108,531	1/2	118,128	1/2	127,560	1/2	136,959	1/2	146,095	1/2		1/2		1/2		1/2		1/2	
3/4	108,755	3/4	118,325	3/4	127,756	3/4	137,155	3/4	146,223	3/4		3/4		3/4		3/4		3/4	
5	108,978	5	118,522	5	127,952	5	137,352	5	146,351	5		5		5		5		5	
1/4	109,202	1/4	118,718	1/4	128,149	1/4	137,548	1/4	146,442	1/4		1/4		1/4		1/4		1/4	
1/2	109,426	1/2	118,915	1/2	128,345	1/2	137,744	1/2	146,533	1/2		1/2		1/2		1/2		1/2	
3/4	109,649	3/4	119,112	3/4	128,541	3/4	137,940	3/4	146,623	3/4		3/4		3/4		3/4		3/4	
6	109,873	6	119,309	6	128,737	6	138,136	6	146,714	6		6		6		6		6	
1/4	110,069	1/4	119,505	1/4	128,933	1/4	138,332	1/4	146,768	1/4		1/4		1/4		1/4		1/4	
1/2	110,266	1/2	119,702	1/2	129,128	1/2	138,529	1/2	146,821	1/2		1/2		1/2		1/2		1/2	
3/4	110,462	3/4	119,899	3/4	129,323	3/4	138,725	3/4	146,875	3/4		3/4		3/4		3/4		3/4	
7	110,659	7	120,095	7	129,519	7	138,921	7	146,928	7		7		7		7		7	
1/4	110,855	1/4	120,292	1/4	129,714	1/4	139,117	1/4	146,944	1/4		1/4		1/4		1/4		1/4	
1/2	111,051	1/2	120,489	1/2	129,910	1/2	139,313	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	111,248	3/4	120,685	3/4	130,105	3/4	139,509	3/4		3/4		3/4		3/4		3/4		3/4	
8	111,444	8	120,882	8	130,301	8	139,706	8		8		8		8		8		8	
1/4	111,641	1/4	121,079	1/4	130,496	1/4	139,900	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	111,837	1/2	121,275	1/2	130,692	1/2	140,094	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	112,034	3/4	121,472	3/4	130,887	3/4	140,288	3/4		3/4		3/4		3/4		3/4		3/4	
9	112,230	9	121,669	9	131,083	9	140,482	9		9		9		9		9		9	
1/4	112,427	1/4	121,865	1/4	131,278	1/4	140,676	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	112,623	1/2	122,062	1/2	131,474	1/2	140,870	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	112,820	3/4	122,259	3/4	131,669	3/4	141,064	3/4		3/4		3/4		3/4		3/4		3/4	
10	113,016	10	122,456	10	131,864	10	141,258	10		10		10		10		10		10	
1/4	113,213	1/4	122,652	1/4	132,060	1/4	141,452	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	113,409	1/2	122,849	1/2	132,255	1/2	141,647	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	113,606	3/4	123,046	3/4	132,451	3/4	141,841	3/4		3/4		3/4		3/4		3/4		3/4	
11	113,802	11	123,242	11	132,646	11	142,035	11		11		11		11		11		11	
1/4	113,999	1/4	123,439	1/4	132,842	1/4	142,229	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	114,195	1/2	123,636	1/2	133,037	1/2	142,423	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	114,392	3/4	123,832	3/4	133,233	3/4	142,617	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/19/2014 CL  
CALCULATED: 06/19/2014 CL  
PRINTED: 06/19/2014 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2014

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



# BARGE "CBC 1377"

## 2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	39	0	9,049	0	21,122	0	33,047	0	44,973	0	57,045	0	69,118	0	81,190	0	93,263	0	105,334
1/4	60	1/4	9,301	1/4	21,373	1/4	33,291	1/4	45,224	1/4	57,297	1/4	69,369	1/4	81,442	1/4	93,515	1/4	105,585
1/2	81	1/2	9,552	1/2	21,625	1/2	33,535	1/2	45,476	1/2	57,548	1/2	69,621	1/2	81,694	1/2	93,766	1/2	105,837
3/4	102	3/4	9,804	3/4	21,876	3/4	33,779	3/4	45,727	3/4	57,800	3/4	69,872	3/4	81,945	3/4	94,017	3/4	106,088
1	123	1	10,055	1	22,128	1	34,023	1	45,979	1	58,051	1	70,124	1	82,197	1	94,269	1	106,339
1/4	186	1/4	10,307	1/4	22,379	1/4	34,267	1/4	46,230	1/4	58,303	1/4	70,375	1/4	82,448	1/4	94,520	1/4	106,591
1/2	249	1/2	10,558	1/2	22,631	1/2	34,512	1/2	46,482	1/2	58,554	1/2	70,627	1/2	82,700	1/2	94,772	1/2	106,842
3/4	312	3/4	10,810	3/4	22,882	3/4	34,756	3/4	46,733	3/4	58,806	3/4	70,878	3/4	82,951	3/4	95,023	3/4	107,094
2	375	2	11,061	2	23,134	2	35,000	2	46,985	2	59,057	2	71,130	2	83,203	2	95,275	2	107,345
1/4	479	1/4	11,313	1/4	23,385	1/4	35,244	1/4	47,236	1/4	59,309	1/4	71,382	1/4	83,454	1/4	95,526	1/4	107,597
1/2	584	1/2	11,564	1/2	23,637	1/2	35,488	1/2	47,488	1/2	59,560	1/2	71,633	1/2	83,706	1/2	95,778	1/2	107,848
3/4	689	3/4	11,816	3/4	23,888	3/4	35,732	3/4	47,739	3/4	59,812	3/4	71,885	3/4	83,957	3/4	96,029	3/4	108,100
3	794	3	12,067	3	24,140	3	35,976	3	47,991	3	60,063	3	72,136	3	84,209	3	96,281	3	108,351
1/4	940	1/4	12,319	1/4	24,391	1/4	36,220	1/4	48,242	1/4	60,315	1/4	72,388	1/4	84,460	1/4	96,532	1/4	108,603
1/2	1,087	1/2	12,570	1/2	24,643	1/2	36,464	1/2	48,494	1/2	60,566	1/2	72,639	1/2	84,712	1/2	96,784	1/2	108,854
3/4	1,234	3/4	12,822	3/4	24,894	3/4	36,708	3/4	48,745	3/4	60,818	3/4	72,891	3/4	84,963	3/4	97,035	3/4	109,106
4	1,381	4	13,073	4	25,146	4	36,953	4	48,997	4	61,070	4	73,142	4	85,215	4	97,287	4	109,357
1/4	1,569	1/4	13,325	1/4	25,397	1/4	37,197	1/4	49,248	1/4	61,321	1/4	73,394	1/4	85,466	1/4	97,538	1/4	109,609
1/2	1,758	1/2	13,576	1/2	25,649	1/2	37,441	1/2	49,500	1/2	61,573	1/2	73,645	1/2	85,718	1/2	97,790	1/2	109,860
3/4	1,946	3/4	13,828	3/4	25,900	3/4	37,686	3/4	49,751	3/4	61,824	3/4	73,897	3/4	85,969	3/4	98,041	3/4	110,111
5	2,135	5	14,079	5	26,152	5	37,930	5	50,003	5	62,076	5	74,148	5	86,221	5	98,292	5	110,363
1/4	2,365	1/4	14,331	1/4	26,403	1/4	38,182	1/4	50,254	1/4	62,327	1/4	74,400	1/4	86,472	1/4	98,544	1/4	110,614
1/2	2,595	1/2	14,582	1/2	26,655	1/2	38,433	1/2	50,506	1/2	62,579	1/2	74,651	1/2	86,724	1/2	98,795	1/2	110,866
3/4	2,825	3/4	14,834	3/4	26,906	3/4	38,685	3/4	50,757	3/4	62,830	3/4	74,903	3/4	86,975	3/4	99,047	3/4	111,117
6	3,055	6	15,085	6	27,158	6	38,936	6	51,009	6	63,082	6	75,154	6	87,227	6	99,298	6	111,369
1/4	3,301	1/4	15,337	1/4	27,409	1/4	39,188	1/4	51,261	1/4	63,333	1/4	75,406	1/4	87,478	1/4	99,550	1/4	111,620
1/2	3,548	1/2	15,588	1/2	27,661	1/2	39,439	1/2	51,512	1/2	63,585	1/2	75,657	1/2	87,730	1/2	99,801	1/2	111,872
3/4	3,794	3/4	15,840	3/4	27,912	3/4	39,691	3/4	51,764	3/4	63,836	3/4	75,909	3/4	87,981	3/4	100,053	3/4	112,123
7	4,041	7	16,091	7	28,164	7	39,942	7	52,015	7	64,088	7	76,160	7	88,233	7	100,304	7	112,375
1/4	4,289	1/4	16,343	1/4	28,408	1/4	40,194	1/4	52,267	1/4	64,339	1/4	76,412	1/4	88,484	1/4	100,556	1/4	112,626
1/2	4,538	1/2	16,594	1/2	28,653	1/2	40,445	1/2	52,518	1/2	64,591	1/2	76,663	1/2	88,736	1/2	100,807	1/2	112,878
3/4	4,787	3/4	16,846	3/4	28,897	3/4	40,697	3/4	52,770	3/4	64,842	3/4	76,915	3/4	88,987	3/4	101,059	3/4	113,129
8	5,035	8	17,097	8	29,141	8	40,949	8	53,021	8	65,094	8	77,166	8	89,239	8	101,310	8	113,381
1/4	5,285	1/4	17,349	1/4	29,386	1/4	41,200	1/4	53,273	1/4	65,345	1/4	77,418	1/4	89,490	1/4	101,562	1/4	113,632
1/2	5,535	1/2	17,601	1/2	29,630	1/2	41,452	1/2	53,524	1/2	65,597	1/2	77,669	1/2	89,742	1/2	101,813	1/2	113,884
3/4	5,785	3/4	17,852	3/4	29,874	3/4	41,703	3/4	53,776	3/4	65,848	3/4	77,921	3/4	89,993	3/4	102,064	3/4	114,135
9	6,035	9	18,104	9	30,118	9	41,955	9	54,027	9	66,100	9	78,172	9	90,245	9	102,316	9	114,386
1/4	6,286	1/4	18,355	1/4	30,362	1/4	42,206	1/4	54,279	1/4	66,351	1/4	78,424	1/4	90,496	1/4	102,567	1/4	114,638
1/2	6,537	1/2	18,607	1/2	30,606	1/2	42,458	1/2	54,530	1/2	66,603	1/2	78,675	1/2	90,748	1/2	102,819	1/2	114,889
3/4	6,788	3/4	18,858	3/4	30,850	3/4	42,709	3/4	54,782	3/4	66,854	3/4	78,927	3/4	90,999	3/4	103,070	3/4	115,141
10	7,038	10	19,110	10	31,094	10	42,961	10	55,033	10	67,106	10	79,178	10	91,251	10	103,322	10	115,392
1/4	7,290	1/4	19,361	1/4	31,338	1/4	43,212	1/4	55,285	1/4	67,357	1/4	79,430	1/4	91,502	1/4	103,573	1/4	115,644
1/2	7,541	1/2	19,613	1/2	31,582	1/2	43,464	1/2	55,536	1/2	67,609	1/2	79,681	1/2	91,754	1/2	103,825	1/2	115,895
3/4	7,792	3/4	19,864	3/4	31,827	3/4	43,715	3/4	55,788	3/4	67,860	3/4	79,933	3/4	92,006	3/4	104,076	3/4	116,147
11	8,043	11	20,116	11	32,071	11	43,967	11	56,039	11	68,112	11	80,184	11	92,257	11	104,328	11	116,398
1/4	8,295	1/4	20,367	1/4	32,315	1/4	44,218	1/4	56,291	1/4	68,363	1/4	80,436	1/4	92,509	1/4	104,579	1/4	116,650
1/2	8,546	1/2	20,619	1/2	32,559	1/2	44,470	1/2	56,542	1/2	68,615	1/2	80,687	1/2	92,760	1/2	104,831	1/2	116,901
3/4	8,798	3/4	20,870	3/4	32,803	3/4	44,721	3/4	56,794	3/4	68,866	3/4	80,939	3/4	93,012	3/4	105,082	3/4	117,153

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 THREADS ON "MMC" VALVE  
 GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 30'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
 P.O. Box 2092  
 Pearland, Texas 77588  
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# BARGE "CBC 1377"

## 2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	117,404	0	129,475	0	141,545	0	153,549	0	165,515	0		0		0		0		0	
1/4	117,656	1/4	129,726	1/4	141,795	1/4	153,799	1/4	165,763	1/4		1/4		1/4		1/4		1/4	
1/2	117,907	1/2	129,978	1/2	142,045	1/2	154,049	1/2	166,010	1/2		1/2		1/2		1/2		1/2	
3/4	118,159	3/4	130,229	3/4	142,295	3/4	154,299	3/4	166,258	3/4		3/4		3/4		3/4		3/4	
1	118,410	1	130,480	1	142,545	1	154,549	1	166,506	1		1		1		1		1	
1/4	118,661	1/4	130,732	1/4	142,795	1/4	154,799	1/4	166,754	1/4		1/4		1/4		1/4		1/4	
1/2	118,913	1/2	130,983	1/2	143,046	1/2	155,049	1/2	167,002	1/2		1/2		1/2		1/2		1/2	
3/4	119,164	3/4	131,235	3/4	143,296	3/4	155,299	3/4	167,249	3/4		3/4		3/4		3/4		3/4	
2	119,416	2	131,486	2	143,546	2	155,549	2	167,497	2		2		2		2		2	
1/4	119,667	1/4	131,738	1/4	143,796	1/4	155,799	1/4	167,724	1/4		1/4		1/4		1/4		1/4	
1/2	119,919	1/2	131,989	1/2	144,046	1/2	156,049	1/2	167,951	1/2		1/2		1/2		1/2		1/2	
3/4	120,170	3/4	132,241	3/4	144,296	3/4	156,299	3/4	168,177	3/4		3/4		3/4		3/4		3/4	
3	120,422	3	132,492	3	144,546	3	156,549	3	168,404	3		3		3		3		3	
1/4	120,673	1/4	132,744	1/4	144,796	1/4	156,799	1/4	168,589	1/4		1/4		1/4		1/4		1/4	
1/2	120,925	1/2	132,995	1/2	145,046	1/2	157,050	1/2	168,774	1/2		1/2		1/2		1/2		1/2	
3/4	121,176	3/4	133,247	3/4	145,296	3/4	157,300	3/4	168,959	3/4		3/4		3/4		3/4		3/4	
4	121,428	4	133,498	4	145,546	4	157,550	4	169,144	4		4		4		4		4	
1/4	121,679	1/4	133,750	1/4	145,796	1/4	157,800	1/4	169,287	1/4		1/4		1/4		1/4		1/4	
1/2	121,931	1/2	134,001	1/2	146,046	1/2	158,050	1/2	169,430	1/2		1/2		1/2		1/2		1/2	
3/4	122,182	3/4	134,253	3/4	146,296	3/4	158,300	3/4	169,573	3/4		3/4		3/4		3/4		3/4	
5	122,433	5	134,504	5	146,547	5	158,550	5	169,716	5		5		5		5		5	
1/4	122,685	1/4	134,755	1/4	146,797	1/4	158,800	1/4	169,817	1/4		1/4		1/4		1/4		1/4	
1/2	122,936	1/2	135,007	1/2	147,047	1/2	159,050	1/2	169,918	1/2		1/2		1/2		1/2		1/2	
3/4	123,188	3/4	135,258	3/4	147,297	3/4	159,300	3/4	170,019	3/4		3/4		3/4		3/4		3/4	
6	123,439	6	135,510	6	147,547	6	159,550	6	170,120	6		6		6		6		6	
1/4	123,691	1/4	135,761	1/4	147,797	1/4	159,800	1/4	170,179	1/4		1/4		1/4		1/4		1/4	
1/2	123,942	1/2	136,013	1/2	148,047	1/2	160,050	1/2	170,238	1/2		1/2		1/2		1/2		1/2	
3/4	124,194	3/4	136,264	3/4	148,297	3/4	160,300	3/4	170,297	3/4		3/4		3/4		3/4		3/4	
7	124,445	7	136,516	7	148,547	7	160,551	7	170,356	7		7		7		7		7	
1/4	124,697	1/4	136,767	1/4	148,797	1/4	160,801	1/4	170,374	1/4		1/4		1/4		1/4		1/4	
1/2	124,948	1/2	137,019	1/2	149,047	1/2	161,051	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	125,200	3/4	137,270	3/4	149,297	3/4	161,301	3/4		3/4		3/4		3/4		3/4		3/4	
8	125,451	8	137,522	8	149,547	8	161,551	8		8		8		8		8		8	
1/4	125,703	1/4	137,773	1/4	149,797	1/4	161,799	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	125,954	1/2	138,025	1/2	150,048	1/2	162,046	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	126,206	3/4	138,276	3/4	150,298	3/4	162,294	3/4		3/4		3/4		3/4		3/4		3/4	
9	126,457	9	138,527	9	150,548	9	162,542	9		9		9		9		9		9	
1/4	126,708	1/4	138,779	1/4	150,798	1/4	162,790	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	126,960	1/2	139,030	1/2	151,048	1/2	163,037	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	127,211	3/4	139,282	3/4	151,298	3/4	163,285	3/4		3/4		3/4		3/4		3/4		3/4	
10	127,463	10	139,533	10	151,548	10	163,533	10		10		10		10		10		10	
1/4	127,714	1/4	139,785	1/4	151,798	1/4	163,781	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	127,966	1/2	140,036	1/2	152,048	1/2	164,028	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	128,217	3/4	140,288	3/4	152,298	3/4	164,276	3/4		3/4		3/4		3/4		3/4		3/4	
11	128,469	11	140,539	11	152,548	11	164,524	11		11		11		11		11		11	
1/4	128,720	1/4	140,791	1/4	152,798	1/4	164,772	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	128,972	1/2	141,042	1/2	153,048	1/2	165,019	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	129,223	3/4	141,294	3/4	153,298	3/4	165,267	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/19/2014 CL  
CALCULATED: 06/19/2014 CL  
PRINTED: 06/19/2014 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2014

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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# BARGE "CBC 1377"

## 3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	39	0	8,038	0	18,755	0	29,458	0	40,165	0	50,882	0	61,600	0	72,318	0	83,035	0	93,751
1/4	58	1/4	8,261	1/4	18,979	1/4	29,681	1/4	40,388	1/4	51,106	1/4	61,823	1/4	72,541	1/4	83,259	1/4	93,974
1/2	77	1/2	8,485	1/2	19,202	1/2	29,904	1/2	40,611	1/2	51,329	1/2	62,047	1/2	72,764	1/2	83,482	1/2	94,198
3/4	95	3/4	8,708	3/4	19,425	3/4	30,126	3/4	40,834	3/4	51,552	3/4	62,270	3/4	72,987	3/4	83,705	3/4	94,421
1	114	1	8,931	1	19,648	1	30,349	1	41,058	1	51,775	1	62,493	1	73,211	1	83,928	1	94,644
1/4	170	1/4	9,155	1/4	19,872	1/4	30,571	1/4	41,281	1/4	51,999	1/4	62,716	1/4	73,434	1/4	84,152	1/4	94,867
1/2	225	1/2	9,378	1/2	20,095	1/2	30,794	1/2	41,504	1/2	52,222	1/2	62,940	1/2	73,657	1/2	84,375	1/2	95,091
3/4	281	3/4	9,601	3/4	20,318	3/4	31,016	3/4	41,728	3/4	52,445	3/4	63,163	3/4	73,881	3/4	84,598	3/4	95,314
2	337	2	9,824	2	20,542	2	31,239	2	41,951	2	52,669	2	63,386	2	74,104	2	84,821	2	95,537
1/4	430	1/4	10,048	1/4	20,765	1/4	31,462	1/4	42,174	1/4	52,892	1/4	63,610	1/4	74,327	1/4	85,045	1/4	95,760
1/2	523	1/2	10,271	1/2	20,988	1/2	31,684	1/2	42,397	1/2	53,115	1/2	63,833	1/2	74,550	1/2	85,268	1/2	95,984
3/4	616	3/4	10,494	3/4	21,211	3/4	31,907	3/4	42,621	3/4	53,338	3/4	64,056	3/4	74,774	3/4	85,491	3/4	96,207
3	709	3	10,717	3	21,435	3	32,129	3	42,844	3	53,562	3	64,279	3	74,997	3	85,714	3	96,430
1/4	839	1/4	10,941	1/4	21,658	1/4	32,352	1/4	43,067	1/4	53,785	1/4	64,503	1/4	75,220	1/4	85,938	1/4	96,653
1/2	970	1/2	11,164	1/2	21,881	1/2	32,574	1/2	43,291	1/2	54,008	1/2	64,726	1/2	75,444	1/2	86,161	1/2	96,877
3/4	1,100	3/4	11,387	3/4	22,105	3/4	32,797	3/4	43,514	3/4	54,232	3/4	64,949	3/4	75,667	3/4	86,384	3/4	97,100
4	1,230	4	11,611	4	22,328	4	33,020	4	43,737	4	54,455	4	65,173	4	75,890	4	86,607	4	97,323
1/4	1,397	1/4	11,834	1/4	22,551	1/4	33,243	1/4	43,960	1/4	54,678	1/4	65,396	1/4	76,113	1/4	86,830	1/4	97,546
1/2	1,565	1/2	12,057	1/2	22,774	1/2	33,466	1/2	44,184	1/2	54,901	1/2	65,619	1/2	76,337	1/2	87,054	1/2	97,770
3/4	1,732	3/4	12,280	3/4	22,998	3/4	33,689	3/4	44,407	3/4	55,125	3/4	65,842	3/4	76,560	3/4	87,277	3/4	97,993
5	1,900	5	12,504	5	23,221	5	33,913	5	44,630	5	55,348	5	66,066	5	76,783	5	87,500	5	98,216
1/4	2,104	1/4	12,727	1/4	23,444	1/4	34,136	1/4	44,854	1/4	55,571	1/4	66,289	1/4	77,007	1/4	87,723	1/4	98,439
1/2	2,308	1/2	12,950	1/2	23,667	1/2	34,359	1/2	45,077	1/2	55,795	1/2	66,512	1/2	77,230	1/2	87,947	1/2	98,663
3/4	2,512	3/4	13,173	3/4	23,891	3/4	34,583	3/4	45,300	3/4	56,018	3/4	66,736	3/4	77,453	3/4	88,170	3/4	98,886
6	2,716	6	13,397	6	24,114	6	34,806	6	45,523	6	56,241	6	66,959	6	77,676	6	88,393	6	99,109
1/4	2,935	1/4	13,620	1/4	24,337	1/4	35,029	1/4	45,747	1/4	56,464	1/4	67,182	1/4	77,900	1/4	88,616	1/4	99,332
1/2	3,154	1/2	13,843	1/2	24,560	1/2	35,252	1/2	45,970	1/2	56,688	1/2	67,405	1/2	78,123	1/2	88,840	1/2	99,556
3/4	3,373	3/4	14,067	3/4	24,783	3/4	35,476	3/4	46,193	3/4	56,911	3/4	67,629	3/4	78,346	3/4	89,063	3/4	99,779
7	3,591	7	14,290	7	25,006	7	35,699	7	46,417	7	57,134	7	67,852	7	78,570	7	89,286	7	100,002
1/4	3,812	1/4	14,513	1/4	25,229	1/4	35,922	1/4	46,640	1/4	57,358	1/4	68,075	1/4	78,793	1/4	89,509	1/4	100,225
1/2	4,033	1/2	14,736	1/2	25,452	1/2	36,146	1/2	46,863	1/2	57,581	1/2	68,299	1/2	79,016	1/2	89,733	1/2	100,449
3/4	4,254	3/4	14,960	3/4	25,674	3/4	36,369	3/4	47,086	3/4	57,804	3/4	68,522	3/4	79,239	3/4	89,956	3/4	100,672
8	4,475	8	15,183	8	25,897	8	36,592	8	47,310	8	58,027	8	68,745	8	79,463	8	90,179	8	100,895
1/4	4,696	1/4	15,406	1/4	26,120	1/4	36,815	1/4	47,533	1/4	58,251	1/4	68,968	1/4	79,686	1/4	90,402	1/4	101,118
1/2	4,918	1/2	15,630	1/2	26,343	1/2	37,039	1/2	47,756	1/2	58,474	1/2	69,192	1/2	79,909	1/2	90,626	1/2	101,342
3/4	5,140	3/4	15,853	3/4	26,565	3/4	37,262	3/4	47,980	3/4	58,697	3/4	69,415	3/4	80,133	3/4	90,849	3/4	101,565
9	5,362	9	16,076	9	26,788	9	37,485	9	48,203	9	58,921	9	69,638	9	80,356	9	91,072	9	101,788
1/4	5,585	1/4	16,299	1/4	27,010	1/4	37,708	1/4	48,426	1/4	59,144	1/4	69,861	1/4	80,579	1/4	91,295	1/4	102,011
1/2	5,808	1/2	16,523	1/2	27,233	1/2	37,932	1/2	48,649	1/2	59,367	1/2	70,085	1/2	80,802	1/2	91,519	1/2	102,235
3/4	6,030	3/4	16,746	3/4	27,455	3/4	38,155	3/4	48,873	3/4	59,590	3/4	70,308	3/4	81,026	3/4	91,742	3/4	102,458
10	6,253	10	16,969	10	27,678	10	38,378	10	49,096	10	59,814	10	70,531	10	81,249	10	91,965	10	102,681
1/4	6,476	1/4	17,192	1/4	27,900	1/4	38,602	1/4	49,319	1/4	60,037	1/4	70,755	1/4	81,472	1/4	92,188	1/4	102,904
1/2	6,699	1/2	17,416	1/2	28,123	1/2	38,825	1/2	49,543	1/2	60,260	1/2	70,978	1/2	81,696	1/2	92,412	1/2	103,128
3/4	6,922	3/4	17,639	3/4	28,346	3/4	39,048	3/4	49,766	3/4	60,484	3/4	71,201	3/4	81,919	3/4	92,635	3/4	103,351
11	7,145	11	17,862	11	28,568	11	39,271	11	49,989	11	60,707	11	71,424	11	82,142	11	92,858	11	103,574
1/4	7,368	1/4	18,086	1/4	28,791	1/4	39,495	1/4	50,212	1/4	60,930	1/4	71,648	1/4	82,365	1/4	93,081	1/4	103,797
1/2	7,592	1/2	18,309	1/2	29,013	1/2	39,718	1/2	50,436	1/2	61,153	1/2	71,871	1/2	82,589	1/2	93,305	1/2	104,021
3/4	7,815	3/4	18,532	3/4	29,236	3/4	39,941	3/4	50,659	3/4	61,377	3/4	72,094	3/4	82,812	3/4	93,528	3/4	104,244

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE  
 GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 23'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
 Pearland, Texas 77588  
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# BARGE "CBC 1377"

## 3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	104,467	0	115,183	0	125,899	0	136,556	0	147,180	0		0		0		0		0	
1/4	104,690	1/4	115,406	1/4	126,121	1/4	136,778	1/4	147,400	1/4		1/4		1/4		1/4		1/4	
1/2	104,913	1/2	115,629	1/2	126,343	1/2	137,000	1/2	147,620	1/2		1/2		1/2		1/2		1/2	
3/4	105,137	3/4	115,853	3/4	126,565	3/4	137,222	3/4	147,840	3/4		3/4		3/4		3/4		3/4	
1	105,360	1	116,076	1	126,787	1	137,444	1	148,060	1		1		1		1		1	
1/4	105,583	1/4	116,299	1/4	127,009	1/4	137,666	1/4	148,280	1/4		1/4		1/4		1/4		1/4	
1/2	105,806	1/2	116,522	1/2	127,231	1/2	137,888	1/2	148,500	1/2		1/2		1/2		1/2		1/2	
3/4	106,030	3/4	116,746	3/4	127,453	3/4	138,110	3/4	148,720	3/4		3/4		3/4		3/4		3/4	
2	106,253	2	116,969	2	127,675	2	138,332	2	148,940	2		2		2		2		2	
1/4	106,476	1/4	117,192	1/4	127,897	1/4	138,554	1/4	149,141	1/4		1/4		1/4		1/4		1/4	
1/2	106,699	1/2	117,415	1/2	128,119	1/2	138,776	1/2	149,343	1/2		1/2		1/2		1/2		1/2	
3/4	106,923	3/4	117,639	3/4	128,341	3/4	138,998	3/4	149,544	3/4		3/4		3/4		3/4		3/4	
3	107,146	3	117,862	3	128,563	3	139,220	3	149,745	3		3		3		3		3	
1/4	107,369	1/4	118,085	1/4	128,785	1/4	139,442	1/4	149,909	1/4		1/4		1/4		1/4		1/4	
1/2	107,592	1/2	118,308	1/2	129,007	1/2	139,664	1/2	150,074	1/2		1/2		1/2		1/2		1/2	
3/4	107,816	3/4	118,532	3/4	129,229	3/4	139,886	3/4	150,238	3/4		3/4		3/4		3/4		3/4	
4	108,039	4	118,755	4	129,451	4	140,108	4	150,402	4		4		4		4		4	
1/4	108,262	1/4	118,978	1/4	129,673	1/4	140,330	1/4	150,529	1/4		1/4		1/4		1/4		1/4	
1/2	108,485	1/2	119,201	1/2	129,895	1/2	140,552	1/2	150,656	1/2		1/2		1/2		1/2		1/2	
3/4	108,709	3/4	119,425	3/4	130,117	3/4	140,774	3/4	150,783	3/4		3/4		3/4		3/4		3/4	
5	108,932	5	119,648	5	130,339	5	140,996	5	150,910	5		5		5		5		5	
1/4	109,155	1/4	119,871	1/4	130,561	1/4	141,218	1/4	150,999	1/4		1/4		1/4		1/4		1/4	
1/2	109,378	1/2	120,094	1/2	130,783	1/2	141,440	1/2	151,089	1/2		1/2		1/2		1/2		1/2	
3/4	109,602	3/4	120,318	3/4	131,005	3/4	141,662	3/4	151,179	3/4		3/4		3/4		3/4		3/4	
6	109,825	6	120,541	6	131,227	6	141,884	6	151,269	6		6		6		6		6	
1/4	110,048	1/4	120,764	1/4	131,449	1/4	142,106	1/4	151,321	1/4		1/4		1/4		1/4		1/4	
1/2	110,271	1/2	120,987	1/2	131,671	1/2	142,328	1/2	151,374	1/2		1/2		1/2		1/2		1/2	
3/4	110,495	3/4	121,211	3/4	131,893	3/4	142,550	3/4	151,426	3/4		3/4		3/4		3/4		3/4	
7	110,718	7	121,434	7	132,115	7	142,772	7	151,479	7		7		7		7		7	
1/4	110,941	1/4	121,657	1/4	132,337	1/4	142,994	1/4	151,494	1/4		1/4		1/4		1/4		1/4	
1/2	111,164	1/2	121,880	1/2	132,559	1/2	143,217	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	111,388	3/4	122,104	3/4	132,781	3/4	143,439	3/4		3/4		3/4		3/4		3/4		3/4	
8	111,611	8	122,327	8	133,003	8	143,661	8		8		8		8		8		8	
1/4	111,834	1/4	122,550	1/4	133,225	1/4	143,881	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	112,057	1/2	122,773	1/2	133,447	1/2	144,100	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	112,281	3/4	122,997	3/4	133,670	3/4	144,320	3/4		3/4		3/4		3/4		3/4		3/4	
9	112,504	9	123,220	9	133,892	9	144,540	9		9		9		9		9		9	
1/4	112,727	1/4	123,443	1/4	134,114	1/4	144,760	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	112,950	1/2	123,666	1/2	134,336	1/2	144,980	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	113,174	3/4	123,889	3/4	134,558	3/4	145,200	3/4		3/4		3/4		3/4		3/4		3/4	
10	113,397	10	124,113	10	134,780	10	145,420	10		10		10		10		10		10	
1/4	113,620	1/4	124,336	1/4	135,002	1/4	145,640	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	113,843	1/2	124,559	1/2	135,224	1/2	145,860	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	114,067	3/4	124,782	3/4	135,446	3/4	146,080	3/4		3/4		3/4		3/4		3/4		3/4	
11	114,290	11	125,006	11	135,668	11	146,300	11		11		11		11		11		11	
1/4	114,513	1/4	125,229	1/4	135,890	1/4	146,520	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	114,736	1/2	125,452	1/2	136,112	1/2	146,740	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	114,960	3/4	125,675	3/4	136,334	3/4	146,960	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/19/2014 CL  
CALCULATED: 06/19/2014 CL  
PRINTED: 06/19/2014 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2014

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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# BARGE "CBC 1377"

## ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>										
1 CENTER	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4
2 CENTER	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8
3 CENTER	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-3/4	00-3/4	- 01-1/8	01-1/8	- 01-3/8	01-3/8	- 01-5/8	01-5/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 161'-09"

June 19, 2014

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

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# BARGE "CBC 1377"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	140,288	0	130,887	0	121,472	0	112,034	0	101,598	0	90,855	0	80,111	0	80,111
1/4	1/4	1/4	1/4	1/4	140,094	1/4	130,692	1/4	121,275	1/4	111,837	1/4	101,374	1/4	90,631	1/4	79,887	1/4	79,887
1/2	1/2	1/2	1/2	1/2	139,900	1/2	130,496	1/2	121,079	1/2	111,641	1/2	101,150	1/2	90,407	1/2	79,664	1/2	79,664
3/4	3/4	3/4	3/4	3/4	139,706	3/4	130,301	3/4	120,882	3/4	111,444	3/4	100,926	3/4	90,183	3/4	79,440	3/4	79,440
1	1	1	1	1	139,509	1	130,105	1	120,685	1	111,248	1	100,702	1	89,959	1	79,216	1	79,216
1/4	1/4	1/4	1/4	1/4	139,313	1/4	129,910	1/4	120,489	1/4	111,051	1/4	100,478	1/4	89,736	1/4	78,992	1/4	78,992
1/2	1/2	1/2	1/2	1/2	146,944	1/2	139,117	1/2	129,714	1/2	120,292	1/2	110,855	1/2	100,255	1/2	89,512	1/2	78,768
3/4	3/4	3/4	3/4	3/4	146,928	3/4	138,921	3/4	129,519	3/4	120,095	3/4	110,659	3/4	100,031	3/4	89,288	3/4	78,544
2	2	2	2	2	146,875	2	138,725	2	129,323	2	119,899	2	110,462	2	99,807	2	89,064	2	78,320
1/4	1/4	1/4	1/4	1/4	146,821	1/4	138,529	1/4	129,128	1/4	119,702	1/4	110,266	1/4	99,583	1/4	88,840	1/4	78,097
1/2	1/2	1/2	1/2	1/2	146,768	1/2	138,332	1/2	128,933	1/2	119,505	1/2	110,069	1/2	99,359	1/2	88,616	1/2	77,873
3/4	3/4	3/4	3/4	3/4	146,714	3/4	138,136	3/4	128,737	3/4	119,309	3/4	109,873	3/4	99,136	3/4	88,393	3/4	77,649
3	3	3	3	3	146,623	3	137,940	3	128,541	3	119,112	3	109,649	3	98,912	3	88,169	3	77,425
1/4	1/4	1/4	1/4	1/4	146,533	1/4	137,744	1/4	128,345	1/4	118,915	1/4	109,426	1/4	98,688	1/4	87,945	1/4	77,201
1/2	1/2	1/2	1/2	1/2	146,442	1/2	137,548	1/2	128,149	1/2	118,718	1/2	109,202	1/2	98,464	1/2	87,721	1/2	76,977
3/4	3/4	3/4	3/4	3/4	146,351	3/4	137,352	3/4	127,952	3/4	118,522	3/4	108,978	3/4	98,240	3/4	87,497	3/4	76,754
4	4	4	4	4	146,223	4	137,155	4	127,756	4	118,325	4	108,755	4	98,017	4	87,274	4	76,530
1/4	1/4	1/4	1/4	1/4	146,095	1/4	136,959	1/4	127,560	1/4	118,128	1/4	108,531	1/4	97,793	1/4	87,050	1/4	76,307
1/2	1/2	1/2	1/2	1/2	145,966	1/2	136,763	1/2	127,364	1/2	117,932	1/2	108,308	1/2	97,569	1/2	86,826	1/2	76,084
3/4	3/4	3/4	3/4	3/4	145,838	3/4	136,567	3/4	127,168	3/4	117,735	3/4	108,084	3/4	97,345	3/4	86,602	3/4	75,861
5	5	5	5	5	145,673	5	136,371	5	126,972	5	117,538	5	107,861	5	97,121	5	86,378	5	75,639
1/4	1/4	1/4	1/4	1/4	145,507	1/4	136,175	1/4	126,775	1/4	117,342	1/4	107,637	1/4	96,898	1/4	86,155	1/4	75,416
1/2	1/2	1/2	1/2	1/2	145,341	1/2	135,978	1/2	126,579	1/2	117,145	1/2	107,413	1/2	96,674	1/2	85,931	1/2	75,194
3/4	3/4	3/4	3/4	3/4	145,176	3/4	135,782	3/4	126,383	3/4	116,948	3/4	107,190	3/4	96,450	3/4	85,707	3/4	74,972
6	6	6	6	6	144,973	6	135,586	6	126,187	6	116,752	6	106,966	6	96,226	6	85,483	6	74,749
1/4	1/4	1/4	1/4	1/4	144,770	1/4	135,390	1/4	125,991	1/4	116,555	1/4	106,743	1/4	96,002	1/4	85,259	1/4	74,527
1/2	1/2	1/2	1/2	1/2	144,567	1/2	135,194	1/2	125,795	1/2	116,358	1/2	106,519	1/2	95,778	1/2	85,035	1/2	74,304
3/4	3/4	3/4	3/4	3/4	144,364	3/4	134,998	3/4	125,598	3/4	116,162	3/4	106,296	3/4	95,555	3/4	84,812	3/4	74,082
7	7	7	7	7	144,170	7	134,801	7	125,402	7	115,965	7	106,072	7	95,331	7	84,588	7	73,860
1/4	1/4	1/4	1/4	1/4	143,976	1/4	134,605	1/4	125,206	1/4	115,768	1/4	105,848	1/4	95,107	1/4	84,364	1/4	73,637
1/2	1/2	1/2	1/2	1/2	143,782	1/2	134,409	1/2	125,010	1/2	115,571	1/2	105,625	1/2	94,883	1/2	84,140	1/2	73,415
3/4	3/4	3/4	3/4	3/4	143,587	3/4	134,213	3/4	124,814	3/4	115,375	3/4	105,401	3/4	94,659	3/4	83,916	3/4	73,192
8	8	8	8	8	143,393	8	134,017	8	124,618	8	115,178	8	105,178	8	94,436	8	83,693	8	72,970
1/4	1/4	1/4	1/4	1/4	143,199	1/4	133,821	1/4	124,421	1/4	114,981	1/4	104,954	1/4	94,212	1/4	83,469	1/4	72,748
1/2	1/2	1/2	1/2	1/2	143,005	1/2	133,624	1/2	124,225	1/2	114,785	1/2	104,731	1/2	93,988	1/2	83,245	1/2	72,525
3/4	3/4	3/4	3/4	3/4	142,811	3/4	133,428	3/4	124,029	3/4	114,588	3/4	104,507	3/4	93,764	3/4	83,021	3/4	72,303
9	9	9	9	9	142,617	9	133,233	9	123,832	9	114,392	9	104,283	9	93,540	9	82,797	9	72,080
1/4	1/4	1/4	1/4	1/4	142,423	1/4	133,037	1/4	123,636	1/4	114,195	1/4	104,059	1/4	93,317	1/4	82,573	1/4	71,858
1/2	1/2	1/2	1/2	1/2	142,229	1/2	132,842	1/2	123,439	1/2	113,999	1/2	103,836	1/2	93,093	1/2	82,350	1/2	71,636
3/4	3/4	3/4	3/4	3/4	142,035	3/4	132,646	3/4	123,242	3/4	113,802	3/4	103,612	3/4	92,869	3/4	82,126	3/4	71,413
10	10	10	10	10	141,841	10	132,451	10	123,046	10	113,606	10	103,388	10	92,645	10	81,902	10	71,191
1/4	1/4	1/4	1/4	1/4	141,647	1/4	132,255	1/4	122,849	1/4	113,409	1/4	103,164	1/4	92,421	1/4	81,678	1/4	70,968
1/2	1/2	1/2	1/2	1/2	141,452	1/2	132,060	1/2	122,652	1/2	113,213	1/2	102,940	1/2	92,197	1/2	81,454	1/2	70,746
3/4	3/4	3/4	3/4	3/4	141,258	3/4	131,864	3/4	122,456	3/4	113,016	3/4	102,717	3/4	91,974	3/4	81,230	3/4	70,524
11	11	11	11	11	141,064	11	131,669	11	122,259	11	112,820	11	102,493	11	91,750	11	81,007	11	70,301
1/4	1/4	1/4	1/4	1/4	140,870	1/4	131,474	1/4	122,062	1/4	112,623	1/4	102,269	1/4	91,526	1/4	80,783	1/4	70,079
1/2	1/2	1/2	1/2	1/2	140,676	1/2	131,278	1/2	121,865	1/2	112,427	1/2	102,045	1/2	91,302	1/2	80,559	1/2	69,856
3/4	3/4	3/4	3/4	3/4	140,482	3/4	131,083	3/4	121,669	3/4	112,230	3/4	101,821	3/4	91,078	3/4	80,335	3/4	69,634

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE  
 GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 26'-03" FORWARD OF AFT BULKHEAD

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



# BARGE "CBC 1377"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	69,411	0	58,678	0	47,938	0	37,198	0	26,627	0	15,927	0	5,164	0		0		0	
1/4	69,188	1/4	58,454	1/4	47,714	1/4	36,975	1/4	26,409	1/4	15,702	1/4	4,941	1/4		1/4		1/4	
1/2	68,965	1/2	58,230	1/2	47,491	1/2	36,751	1/2	26,191	1/2	15,478	1/2	4,718	1/2		1/2		1/2	
3/4	68,741	3/4	58,006	3/4	47,267	3/4	36,527	3/4	25,973	3/4	15,254	3/4	4,495	3/4		3/4		3/4	
1	68,518	1	57,783	1	47,043	1	36,303	1	25,755	1	15,029	1	4,273	1		1		1	
1/4	68,295	1/4	57,559	1/4	46,819	1/4	36,080	1/4	25,537	1/4	14,805	1/4	4,051	1/4		1/4		1/4	
1/2	68,072	1/2	57,335	1/2	46,596	1/2	35,856	1/2	25,318	1/2	14,581	1/2	3,830	1/2		1/2		1/2	
3/4	67,849	3/4	57,112	3/4	46,372	3/4	35,632	3/4	25,100	3/4	14,356	3/4	3,608	3/4		3/4		3/4	
2	67,626	2	56,888	2	46,148	2	35,408	2	24,882	2	14,132	2	3,388	2		2		2	
1/4	67,402	1/4	56,664	1/4	45,924	1/4	35,185	1/4	24,663	1/4	13,908	1/4	3,168	1/4		1/4		1/4	
1/2	67,179	1/2	56,440	1/2	45,701	1/2	34,961	1/2	24,445	1/2	13,683	1/2	2,948	1/2		1/2		1/2	
3/4	66,956	3/4	56,217	3/4	45,477	3/4	34,737	3/4	24,227	3/4	13,459	3/4	2,728	3/4		3/4		3/4	
3	66,732	3	55,993	3	45,253	3	34,513	3	24,002	3	13,235	3	2,523	3		3		3	
1/4	66,509	1/4	55,769	1/4	45,029	1/4	34,290	1/4	23,778	1/4	13,010	1/4	2,318	1/4		1/4		1/4	
1/2	66,285	1/2	55,545	1/2	44,806	1/2	34,066	1/2	23,554	1/2	12,786	1/2	2,113	1/2		1/2		1/2	
3/4	66,061	3/4	55,322	3/4	44,582	3/4	33,842	3/4	23,329	3/4	12,562	3/4	1,908	3/4		3/4		3/4	
4	65,837	4	55,098	4	44,358	4	33,619	4	23,105	4	12,337	4	1,740	4		4		4	
1/4	65,614	1/4	54,874	1/4	44,134	1/4	33,395	1/4	22,881	1/4	12,113	1/4	1,572	1/4		1/4		1/4	
1/2	65,390	1/2	54,650	1/2	43,911	1/2	33,171	1/2	22,656	1/2	11,889	1/2	1,404	1/2		1/2		1/2	
3/4	65,166	3/4	54,427	3/4	43,687	3/4	32,947	3/4	22,432	3/4	11,664	3/4	1,235	3/4		3/4		3/4	
5	64,943	5	54,203	5	43,463	5	32,729	5	22,208	5	11,440	5	1,105	5		5		5	
1/4	64,719	1/4	53,979	1/4	43,239	1/4	32,511	1/4	21,983	1/4	11,216	1/4	974	1/4		1/4		1/4	
1/2	64,495	1/2	53,755	1/2	43,016	1/2	32,293	1/2	21,759	1/2	10,991	1/2	843	1/2		1/2		1/2	
3/4	64,271	3/4	53,532	3/4	42,792	3/4	32,076	3/4	21,535	3/4	10,767	3/4	712	3/4		3/4		3/4	
6	64,048	6	53,308	6	42,568	6	31,858	6	21,310	6	10,543	6	619	6		6		6	
1/4	63,824	1/4	53,084	1/4	42,344	1/4	31,640	1/4	21,086	1/4	10,319	1/4	525	1/4		1/4		1/4	
1/2	63,600	1/2	52,860	1/2	42,121	1/2	31,422	1/2	20,862	1/2	10,094	1/2	432	1/2		1/2		1/2	
3/4	63,376	3/4	52,637	3/4	41,897	3/4	31,204	3/4	20,637	3/4	9,870	3/4	338	3/4		3/4		3/4	
7	63,153	7	52,413	7	41,673	7	30,986	7	20,413	7	9,646	7	282	7		7		7	
1/4	62,929	1/4	52,189	1/4	41,450	1/4	30,768	1/4	20,189	1/4	9,421	1/4	226	1/4		1/4		1/4	
1/2	62,705	1/2	51,965	1/2	41,226	1/2	30,550	1/2	19,964	1/2	9,197	1/2	170	1/2		1/2		1/2	
3/4	62,481	3/4	51,742	3/4	41,002	3/4	30,332	3/4	19,740	3/4	8,973	3/4	114	3/4		3/4		3/4	
8	62,258	8	51,518	8	40,778	8	30,114	8	19,516	8	8,748	8	95	8		8		8	
1/4	62,034	1/4	51,294	1/4	40,555	1/4	29,896	1/4	19,291	1/4	8,524	1/4	77	1/4		1/4		1/4	
1/2	61,810	1/2	51,070	1/2	40,331	1/2	29,678	1/2	19,067	1/2	8,300	1/2	58	1/2		1/2		1/2	
3/4	61,586	3/4	50,847	3/4	40,107	3/4	29,460	3/4	18,843	3/4	8,075	3/4	39	3/4		3/4		3/4	
9	61,363	9	50,623	9	39,883	9	29,242	9	18,618	9	7,851	9		9		9		9	
1/4	61,139	1/4	50,399	1/4	39,660	1/4	29,024	1/4	18,394	1/4	7,627	1/4		1/4		1/4		1/4	
1/2	60,915	1/2	50,175	1/2	39,436	1/2	28,806	1/2	18,170	1/2	7,402	1/2		1/2		1/2		1/2	
3/4	60,691	3/4	49,952	3/4	39,212	3/4	28,588	3/4	17,946	3/4	7,178	3/4		3/4		3/4		3/4	
10	60,468	10	49,728	10	38,988	10	28,371	10	17,721	10	6,954	10		10		10		10	
1/4	60,244	1/4	49,504	1/4	38,765	1/4	28,153	1/4	17,497	1/4	6,730	1/4		1/4		1/4		1/4	
1/2	60,020	1/2	49,281	1/2	38,541	1/2	27,935	1/2	17,273	1/2	6,506	1/2		1/2		1/2		1/2	
3/4	59,796	3/4	49,057	3/4	38,317	3/4	27,717	3/4	17,048	3/4	6,282	3/4		3/4		3/4		3/4	
11	59,573	11	48,833	11	38,093	11	27,499	11	16,824	11	6,058	11		11		11		11	
1/4	59,349	1/4	48,609	1/4	37,870	1/4	27,281	1/4	16,600	1/4	5,834	1/4		1/4		1/4		1/4	
1/2	59,125	1/2	48,386	1/2	37,646	1/2	27,063	1/2	16,375	1/2	5,611	1/2		1/2		1/2		1/2	
3/4	58,901	3/4	48,162	3/4	37,422	3/4	26,845	3/4	16,151	3/4	5,387	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/19/2014 CL  
CALCULATED: 06/19/2014 CL  
PRINTED: 06/19/2014 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2014

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



# BARGE "CBC 1377"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	162,294	0	150,298	0	138,276	0	126,206	0	114,135	0	102,064	0	89,993		
1/4	1/4	1/4	1/4	1/4	162,046	1/4	150,048	1/4	138,025	1/4	125,954	1/4	113,884	1/4	101,813	1/4	89,742		
1/2	1/2	1/2	1/2	1/2	161,799	1/2	149,797	1/2	137,773	1/2	125,703	1/2	113,632	1/2	101,562	1/2	89,490		
3/4	3/4	3/4	3/4	3/4	161,551	3/4	149,547	3/4	137,522	3/4	125,451	3/4	113,381	3/4	101,310	3/4	89,239		
1	1	1	1	1	161,301	1	149,297	1	137,270	1	125,200	1	113,129	1	101,059	1	88,987		
1/4	1/4	1/4	1/4	1/4	161,051	1/4	149,047	1/4	137,019	1/4	124,948	1/4	112,878	1/4	100,807	1/4	88,736		
1/2	1/2	1/2	1/2	1/2	170,374	1/2	160,801	1/2	148,797	1/2	136,767	1/2	124,697	1/2	112,626	1/2	100,556	1/2	88,484
3/4	3/4	3/4	3/4	3/4	170,356	3/4	160,551	3/4	148,547	3/4	136,516	3/4	124,445	3/4	112,375	3/4	100,304	3/4	88,233
2	2	2	2	2	170,297	2	160,300	2	148,297	2	136,264	2	124,194	2	112,123	2	100,053	2	87,981
1/4	1/4	1/4	1/4	1/4	170,238	1/4	160,050	1/4	148,047	1/4	136,013	1/4	123,942	1/4	111,872	1/4	99,801	1/4	87,730
1/2	1/2	1/2	1/2	1/2	170,179	1/2	159,800	1/2	147,797	1/2	135,761	1/2	123,691	1/2	111,620	1/2	99,550	1/2	87,478
3/4	3/4	3/4	3/4	3/4	170,120	3/4	159,550	3/4	147,547	3/4	135,510	3/4	123,439	3/4	111,369	3/4	99,298	3/4	87,227
3	3	3	3	3	170,019	3	159,300	3	147,297	3	135,258	3	123,188	3	111,117	3	99,047	3	86,975
1/4	1/4	1/4	1/4	1/4	169,918	1/4	159,050	1/4	147,047	1/4	135,007	1/4	122,936	1/4	110,866	1/4	98,795	1/4	86,724
1/2	1/2	1/2	1/2	1/2	169,817	1/2	158,800	1/2	146,797	1/2	134,755	1/2	122,685	1/2	110,614	1/2	98,544	1/2	86,472
3/4	3/4	3/4	3/4	3/4	169,716	3/4	158,550	3/4	146,547	3/4	134,504	3/4	122,433	3/4	110,363	3/4	98,292	3/4	86,221
4	4	4	4	4	169,573	4	158,300	4	146,296	4	134,253	4	122,182	4	110,111	4	98,041	4	85,969
1/4	1/4	1/4	1/4	1/4	169,430	1/4	158,050	1/4	146,046	1/4	134,001	1/4	121,931	1/4	109,860	1/4	97,790	1/4	85,718
1/2	1/2	1/2	1/2	1/2	169,287	1/2	157,800	1/2	145,796	1/2	133,750	1/2	121,679	1/2	109,609	1/2	97,538	1/2	85,466
3/4	3/4	3/4	3/4	3/4	169,144	3/4	157,550	3/4	145,546	3/4	133,498	3/4	121,428	3/4	109,357	3/4	97,287	3/4	85,215
5	5	5	5	5	168,959	5	157,300	5	145,296	5	133,247	5	121,176	5	109,106	5	97,035	5	84,963
1/4	1/4	1/4	1/4	1/4	168,774	1/4	157,050	1/4	145,046	1/4	132,995	1/4	120,925	1/4	108,854	1/4	96,784	1/4	84,712
1/2	1/2	1/2	1/2	1/2	168,589	1/2	156,799	1/2	144,796	1/2	132,744	1/2	120,673	1/2	108,603	1/2	96,532	1/2	84,460
3/4	3/4	3/4	3/4	3/4	168,404	3/4	156,549	3/4	144,546	3/4	132,492	3/4	120,422	3/4	108,351	3/4	96,281	3/4	84,209
6	6	6	6	6	168,177	6	156,299	6	144,296	6	132,241	6	120,170	6	108,100	6	96,029	6	83,957
1/4	1/4	1/4	1/4	1/4	167,951	1/4	156,049	1/4	144,046	1/4	131,989	1/4	119,919	1/4	107,848	1/4	95,778	1/4	83,706
1/2	1/2	1/2	1/2	1/2	167,724	1/2	155,799	1/2	143,796	1/2	131,738	1/2	119,667	1/2	107,597	1/2	95,526	1/2	83,454
3/4	3/4	3/4	3/4	3/4	167,497	3/4	155,549	3/4	143,546	3/4	131,486	3/4	119,416	3/4	107,345	3/4	95,275	3/4	83,203
7	7	7	7	7	167,249	7	155,299	7	143,296	7	131,235	7	119,164	7	107,094	7	95,023	7	82,951
1/4	1/4	1/4	1/4	1/4	167,002	1/4	155,049	1/4	143,046	1/4	130,983	1/4	118,913	1/4	106,842	1/4	94,772	1/4	82,700
1/2	1/2	1/2	1/2	1/2	166,754	1/2	154,799	1/2	142,795	1/2	130,732	1/2	118,661	1/2	106,591	1/2	94,520	1/2	82,448
3/4	3/4	3/4	3/4	3/4	166,506	3/4	154,549	3/4	142,545	3/4	130,480	3/4	118,410	3/4	106,339	3/4	94,269	3/4	82,197
8	8	8	8	8	166,258	8	154,299	8	142,295	8	130,229	8	118,159	8	106,088	8	94,017	8	81,945
1/4	1/4	1/4	1/4	1/4	166,010	1/4	154,049	1/4	142,045	1/4	129,978	1/4	117,907	1/4	105,837	1/4	93,766	1/4	81,694
1/2	1/2	1/2	1/2	1/2	165,763	1/2	153,799	1/2	141,795	1/2	129,726	1/2	117,656	1/2	105,585	1/2	93,515	1/2	81,442
3/4	3/4	3/4	3/4	3/4	165,515	3/4	153,549	3/4	141,545	3/4	129,475	3/4	117,404	3/4	105,334	3/4	93,263	3/4	81,190
9	9	9	9	9	165,267	9	153,298	9	141,294	9	129,223	9	117,153	9	105,082	9	93,012	9	80,939
1/4	1/4	1/4	1/4	1/4	165,019	1/4	153,048	1/4	141,042	1/4	128,972	1/4	116,901	1/4	104,831	1/4	92,760	1/4	80,687
1/2	1/2	1/2	1/2	1/2	164,772	1/2	152,798	1/2	140,791	1/2	128,720	1/2	116,650	1/2	104,579	1/2	92,509	1/2	80,436
3/4	3/4	3/4	3/4	3/4	164,524	3/4	152,548	3/4	140,539	3/4	128,469	3/4	116,398	3/4	104,328	3/4	92,257	3/4	80,184
10	10	10	10	10	164,276	10	152,298	10	140,288	10	128,217	10	116,147	10	104,076	10	92,006	10	79,933
1/4	1/4	1/4	1/4	1/4	164,028	1/4	152,048	1/4	140,036	1/4	127,966	1/4	115,895	1/4	103,825	1/4	91,754	1/4	79,681
1/2	1/2	1/2	1/2	1/2	163,781	1/2	151,798	1/2	139,785	1/2	127,714	1/2	115,644	1/2	103,573	1/2	91,502	1/2	79,430
3/4	3/4	3/4	3/4	3/4	163,533	3/4	151,548	3/4	139,533	3/4	127,463	3/4	115,392	3/4	103,322	3/4	91,251	3/4	79,178
11	11	11	11	11	163,285	11	151,298	11	139,282	11	127,211	11	115,141	11	103,070	11	90,999	11	78,927
1/4	1/4	1/4	1/4	1/4	163,037	1/4	151,048	1/4	139,030	1/4	126,960	1/4	114,889	1/4	102,819	1/4	90,748	1/4	78,675
1/2	1/2	1/2	1/2	1/2	162,790	1/2	150,798	1/2	138,779	1/2	126,708	1/2	114,638	1/2	102,567	1/2	90,496	1/2	78,424
3/4	3/4	3/4	3/4	3/4	162,542	3/4	150,548	3/4	138,527	3/4	126,457	3/4	114,386	3/4	102,316	3/4	90,245	3/4	78,172

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE  
 GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 30'-09" FORWARD OF AFT BULKHEAD

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



# BARGE "CBC 1377"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	77,921	0	65,848	0	53,776	0	41,703	0	29,874	0	17,852	0	5,785	0					
1/4	77,669	1/4	65,597	1/4	53,524	1/4	41,452	1/4	29,630	1/4	17,601	1/4	5,535	1/4					
1/2	77,418	1/2	65,345	1/2	53,273	1/2	41,200	1/2	29,386	1/2	17,349	1/2	5,285	1/2					
3/4	77,166	3/4	65,094	3/4	53,021	3/4	40,949	3/4	29,141	3/4	17,097	3/4	5,035	3/4					
1	76,915	1	64,842	1	52,770	1	40,697	1	28,897	1	16,846	1	4,787	1					
1/4	76,663	1/4	64,591	1/4	52,518	1/4	40,445	1/4	28,653	1/4	16,594	1/4	4,538	1/4					
1/2	76,412	1/2	64,339	1/2	52,267	1/2	40,194	1/2	28,408	1/2	16,343	1/2	4,289	1/2					
3/4	76,160	3/4	64,088	3/4	52,015	3/4	39,942	3/4	28,164	3/4	16,091	3/4	4,041	3/4					
2	75,909	2	63,836	2	51,764	2	39,691	2	27,912	2	15,840	2	3,794	2					
1/4	75,657	1/4	63,585	1/4	51,512	1/4	39,439	1/4	27,661	1/4	15,588	1/4	3,548	1/4					
1/2	75,406	1/2	63,333	1/2	51,261	1/2	39,188	1/2	27,409	1/2	15,337	1/2	3,301	1/2					
3/4	75,154	3/4	63,082	3/4	51,009	3/4	38,936	3/4	27,158	3/4	15,085	3/4	3,055	3/4					
3	74,903	3	62,830	3	50,757	3	38,685	3	26,906	3	14,834	3	2,825	3					
1/4	74,651	1/4	62,579	1/4	50,506	1/4	38,433	1/4	26,655	1/4	14,582	1/4	2,595	1/4					
1/2	74,400	1/2	62,327	1/2	50,254	1/2	38,182	1/2	26,403	1/2	14,331	1/2	2,365	1/2					
3/4	74,148	3/4	62,076	3/4	50,003	3/4	37,930	3/4	26,152	3/4	14,079	3/4	2,135	3/4					
4	73,897	4	61,824	4	49,751	4	37,686	4	25,900	4	13,828	4	1,946	4					
1/4	73,645	1/4	61,573	1/4	49,500	1/4	37,441	1/4	25,649	1/4	13,576	1/4	1,758	1/4					
1/2	73,394	1/2	61,321	1/2	49,248	1/2	37,197	1/2	25,397	1/2	13,325	1/2	1,569	1/2					
3/4	73,142	3/4	61,070	3/4	48,997	3/4	36,953	3/4	25,146	3/4	13,073	3/4	1,381	3/4					
5	72,891	5	60,818	5	48,745	5	36,708	5	24,894	5	12,822	5	1,234	5					
1/4	72,639	1/4	60,566	1/4	48,494	1/4	36,464	1/4	24,643	1/4	12,570	1/4	1,087	1/4					
1/2	72,388	1/2	60,315	1/2	48,242	1/2	36,220	1/2	24,391	1/2	12,319	1/2	940	1/2					
3/4	72,136	3/4	60,063	3/4	47,991	3/4	35,976	3/4	24,140	3/4	12,067	3/4	794	3/4					
6	71,885	6	59,812	6	47,739	6	35,732	6	23,888	6	11,816	6	689	6					
1/4	71,633	1/4	59,560	1/4	47,488	1/4	35,488	1/4	23,637	1/4	11,564	1/4	584	1/4					
1/2	71,382	1/2	59,309	1/2	47,236	1/2	35,244	1/2	23,385	1/2	11,313	1/2	479	1/2					
3/4	71,130	3/4	59,057	3/4	46,985	3/4	35,000	3/4	23,134	3/4	11,061	3/4	375	3/4					
7	70,878	7	58,806	7	46,733	7	34,756	7	22,882	7	10,810	7	312	7					
1/4	70,627	1/4	58,554	1/4	46,482	1/4	34,512	1/4	22,631	1/4	10,558	1/4	249	1/4					
1/2	70,375	1/2	58,303	1/2	46,230	1/2	34,267	1/2	22,379	1/2	10,307	1/2	186	1/2					
3/4	70,124	3/4	58,051	3/4	45,979	3/4	34,023	3/4	22,128	3/4	10,055	3/4	123	3/4					
8	69,872	8	57,800	8	45,727	8	33,779	8	21,876	8	9,804	8	102	8					
1/4	69,621	1/4	57,548	1/4	45,476	1/4	33,535	1/4	21,625	1/4	9,552	1/4	81	1/4					
1/2	69,369	1/2	57,297	1/2	45,224	1/2	33,291	1/2	21,373	1/2	9,301	1/2	60	1/2					
3/4	69,118	3/4	57,045	3/4	44,973	3/4	33,047	3/4	21,122	3/4	9,049	3/4	39	3/4					
9	68,866	9	56,794	9	44,721	9	32,803	9	20,870	9	8,798	9		9					
1/4	68,615	1/4	56,542	1/4	44,470	1/4	32,559	1/4	20,619	1/4	8,546	1/4		1/4					
1/2	68,363	1/2	56,291	1/2	44,218	1/2	32,315	1/2	20,367	1/2	8,295	1/2		1/2					
3/4	68,112	3/4	56,039	3/4	43,967	3/4	32,071	3/4	20,116	3/4	8,043	3/4		3/4					
10	67,860	10	55,788	10	43,715	10	31,827	10	19,864	10	7,792	10		10					
1/4	67,609	1/4	55,536	1/4	43,464	1/4	31,582	1/4	19,613	1/4	7,541	1/4		1/4					
1/2	67,357	1/2	55,285	1/2	43,212	1/2	31,338	1/2	19,361	1/2	7,290	1/2		1/2					
3/4	67,106	3/4	55,033	3/4	42,961	3/4	31,094	3/4	19,110	3/4	7,038	3/4		3/4					
11	66,854	11	54,782	11	42,709	11	30,850	11	18,858	11	6,788	11		11					
1/4	66,603	1/4	54,530	1/4	42,458	1/4	30,606	1/4	18,607	1/4	6,537	1/4		1/4					
1/2	66,351	1/2	54,279	1/2	42,206	1/2	30,362	1/2	18,355	1/2	6,286	1/2		1/2					
3/4	66,100	3/4	54,027	3/4	41,955	3/4	30,118	3/4	18,104	3/4	6,035	3/4		3/4					

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/19/2014 CL  
CALCULATED: 06/19/2014 CL  
PRINTED: 06/19/2014 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2014

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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<http://www.pmacorp.net>



# BARGE "CBC 1377"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	144,320	0	133,670	0	122,997	0	112,281	0	101,565	0	90,849	0	80,133	0	80,133
1/4	1/4	1/4	1/4	1/4	144,100	1/4	133,447	1/4	122,773	1/4	112,057	1/4	101,342	1/4	90,626	1/4	79,909	1/4	79,909
1/2	1/2	1/2	1/2	1/2	143,881	1/2	133,225	1/2	122,550	1/2	111,834	1/2	101,118	1/2	90,402	1/2	79,686	1/2	79,686
3/4	3/4	3/4	3/4	3/4	143,661	3/4	133,003	3/4	122,327	3/4	111,611	3/4	100,895	3/4	90,179	3/4	79,463	3/4	79,463
1	1	1	1	1	143,439	1	132,781	1	122,104	1	111,388	1	100,672	1	89,956	1	79,239	1	79,239
1/4	1/4	1/4	1/4	1/4	143,217	1/4	132,559	1/4	121,880	1/4	111,164	1/4	100,449	1/4	89,733	1/4	79,016	1/4	79,016
1/2	1/2	1/2	1/2	1/2	151,494	1/2	142,994	1/2	132,337	1/2	121,657	1/2	110,941	1/2	100,225	1/2	89,509	1/2	78,793
3/4	3/4	3/4	3/4	3/4	151,479	3/4	142,772	3/4	132,115	3/4	121,434	3/4	110,718	3/4	100,002	3/4	89,286	3/4	78,570
2	2	2	2	2	151,426	2	142,550	2	131,893	2	121,211	2	110,495	2	99,779	2	89,063	2	78,346
1/4	1/4	1/4	1/4	1/4	151,374	1/4	142,328	1/4	131,671	1/4	120,987	1/4	110,271	1/4	99,556	1/4	88,840	1/4	78,123
1/2	1/2	1/2	1/2	1/2	151,321	1/2	142,106	1/2	131,449	1/2	120,764	1/2	110,048	1/2	99,332	1/2	88,616	1/2	77,900
3/4	3/4	3/4	3/4	3/4	151,269	3/4	141,884	3/4	131,227	3/4	120,541	3/4	109,825	3/4	99,109	3/4	88,393	3/4	77,676
3	3	3	3	3	151,179	3	141,662	3	131,005	3	120,318	3	109,602	3	98,886	3	88,170	3	77,453
1/4	1/4	1/4	1/4	1/4	151,089	1/4	141,440	1/4	130,783	1/4	120,094	1/4	109,378	1/4	98,663	1/4	87,947	1/4	77,230
1/2	1/2	1/2	1/2	1/2	150,999	1/2	141,218	1/2	130,561	1/2	119,871	1/2	109,155	1/2	98,439	1/2	87,723	1/2	77,007
3/4	3/4	3/4	3/4	3/4	150,910	3/4	140,996	3/4	130,339	3/4	119,648	3/4	108,932	3/4	98,216	3/4	87,500	3/4	76,783
4	4	4	4	4	150,783	4	140,774	4	130,117	4	119,425	4	108,709	4	97,993	4	87,277	4	76,560
1/4	1/4	1/4	1/4	1/4	150,656	1/4	140,552	1/4	129,895	1/4	119,201	1/4	108,485	1/4	97,770	1/4	87,054	1/4	76,337
1/2	1/2	1/2	1/2	1/2	150,529	1/2	140,330	1/2	129,673	1/2	118,978	1/2	108,262	1/2	97,546	1/2	86,830	1/2	76,113
3/4	3/4	3/4	3/4	3/4	150,402	3/4	140,108	3/4	129,451	3/4	118,755	3/4	108,039	3/4	97,323	3/4	86,607	3/4	75,890
5	5	5	5	5	150,238	5	139,886	5	129,229	5	118,532	5	107,816	5	97,100	5	86,384	5	75,667
1/4	1/4	1/4	1/4	1/4	150,074	1/4	139,664	1/4	129,007	1/4	118,308	1/4	107,592	1/4	96,877	1/4	86,161	1/4	75,444
1/2	1/2	1/2	1/2	1/2	149,909	1/2	139,442	1/2	128,785	1/2	118,085	1/2	107,369	1/2	96,653	1/2	85,938	1/2	75,220
3/4	3/4	3/4	3/4	3/4	149,745	3/4	139,220	3/4	128,563	3/4	117,862	3/4	107,146	3/4	96,430	3/4	85,714	3/4	74,997
6	6	6	6	6	149,544	6	138,998	6	128,341	6	117,639	6	106,923	6	96,207	6	85,491	6	74,774
1/4	1/4	1/4	1/4	1/4	149,343	1/4	138,776	1/4	128,119	1/4	117,415	1/4	106,699	1/4	95,984	1/4	85,268	1/4	74,550
1/2	1/2	1/2	1/2	1/2	149,141	1/2	138,554	1/2	127,897	1/2	117,192	1/2	106,476	1/2	95,760	1/2	85,045	1/2	74,327
3/4	3/4	3/4	3/4	3/4	148,940	3/4	138,332	3/4	127,675	3/4	116,969	3/4	106,253	3/4	95,537	3/4	84,821	3/4	74,104
7	7	7	7	7	148,720	7	138,110	7	127,453	7	116,746	7	106,030	7	95,314	7	84,598	7	73,881
1/4	1/4	1/4	1/4	1/4	148,500	1/4	137,888	1/4	127,231	1/4	116,522	1/4	105,806	1/4	95,091	1/4	84,375	1/4	73,657
1/2	1/2	1/2	1/2	1/2	148,280	1/2	137,666	1/2	127,009	1/2	116,299	1/2	105,583	1/2	94,867	1/2	84,152	1/2	73,434
3/4	3/4	3/4	3/4	3/4	148,060	3/4	137,444	3/4	126,787	3/4	116,076	3/4	105,360	3/4	94,644	3/4	83,928	3/4	73,211
8	8	8	8	8	147,840	8	137,222	8	126,565	8	115,853	8	105,137	8	94,421	8	83,705	8	72,987
1/4	1/4	1/4	1/4	1/4	147,620	1/4	137,000	1/4	126,343	1/4	115,629	1/4	104,913	1/4	94,198	1/4	83,482	1/4	72,764
1/2	1/2	1/2	1/2	1/2	147,400	1/2	136,778	1/2	126,121	1/2	115,406	1/2	104,690	1/2	93,974	1/2	83,259	1/2	72,541
3/4	3/4	3/4	3/4	3/4	147,180	3/4	136,556	3/4	125,899	3/4	115,183	3/4	104,467	3/4	93,751	3/4	83,035	3/4	72,318
9	9	9	9	9	146,960	9	136,334	9	125,675	9	114,960	9	104,244	9	93,528	9	82,812	9	72,094
1/4	1/4	1/4	1/4	1/4	146,740	1/4	136,112	1/4	125,452	1/4	114,736	1/4	104,021	1/4	93,305	1/4	82,589	1/4	71,871
1/2	1/2	1/2	1/2	1/2	146,520	1/2	135,890	1/2	125,229	1/2	114,513	1/2	103,797	1/2	93,081	1/2	82,365	1/2	71,648
3/4	3/4	3/4	3/4	3/4	146,300	3/4	135,668	3/4	125,006	3/4	114,290	3/4	103,574	3/4	92,858	3/4	82,142	3/4	71,424
10	10	10	10	10	146,080	10	135,446	10	124,782	10	114,067	10	103,351	10	92,635	10	81,919	10	71,201
1/4	1/4	1/4	1/4	1/4	145,860	1/4	135,224	1/4	124,559	1/4	113,843	1/4	103,128	1/4	92,412	1/4	81,696	1/4	70,978
1/2	1/2	1/2	1/2	1/2	145,640	1/2	135,002	1/2	124,336	1/2	113,620	1/2	102,904	1/2	92,188	1/2	81,472	1/2	70,755
3/4	3/4	3/4	3/4	3/4	145,420	3/4	134,780	3/4	124,113	3/4	113,397	3/4	102,681	3/4	91,965	3/4	81,249	3/4	70,531
11	11	11	11	11	145,200	11	134,558	11	123,889	11	113,174	11	102,458	11	91,742	11	81,026	11	70,308
1/4	1/4	1/4	1/4	1/4	144,980	1/4	134,336	1/4	123,666	1/4	112,950	1/4	102,235	1/4	91,519	1/4	80,802	1/4	70,085
1/2	1/2	1/2	1/2	1/2	144,760	1/2	134,114	1/2	123,443	1/2	112,727	1/2	102,011	1/2	91,295	1/2	80,579	1/2	69,861
3/4	3/4	3/4	3/4	3/4	144,540	3/4	133,892	3/4	123,220	3/4	112,504	3/4	101,788	3/4	91,072	3/4	80,356	3/4	69,638

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE  
 GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 23'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
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# BARGE "CBC 1377"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	69,415	0	58,697	0	47,980	0	37,262	0	26,565	0	15,853	0	5,140	0		0		0	
1/4	69,192	1/4	58,474	1/4	47,756	1/4	37,039	1/4	26,343	1/4	15,630	1/4	4,918	1/4		1/4		1/4	
1/2	68,968	1/2	58,251	1/2	47,533	1/2	36,815	1/2	26,120	1/2	15,406	1/2	4,696	1/2		1/2		1/2	
3/4	68,745	3/4	58,027	3/4	47,310	3/4	36,592	3/4	25,897	3/4	15,183	3/4	4,475	3/4		3/4		3/4	
1	68,522	1	57,804	1	47,086	1	36,369	1	25,674	1	14,960	1	4,254	1		1		1	
1/4	68,299	1/4	57,581	1/4	46,863	1/4	36,146	1/4	25,452	1/4	14,736	1/4	4,033	1/4		1/4		1/4	
1/2	68,075	1/2	57,358	1/2	46,640	1/2	35,922	1/2	25,229	1/2	14,513	1/2	3,812	1/2		1/2		1/2	
3/4	67,852	3/4	57,134	3/4	46,417	3/4	35,699	3/4	25,006	3/4	14,290	3/4	3,591	3/4		3/4		3/4	
2	67,629	2	56,911	2	46,193	2	35,476	2	24,783	2	14,067	2	3,373	2		2		2	
1/4	67,405	1/4	56,688	1/4	45,970	1/4	35,252	1/4	24,560	1/4	13,843	1/4	3,154	1/4		1/4		1/4	
1/2	67,182	1/2	56,464	1/2	45,747	1/2	35,029	1/2	24,337	1/2	13,620	1/2	2,935	1/2		1/2		1/2	
3/4	66,959	3/4	56,241	3/4	45,523	3/4	34,806	3/4	24,114	3/4	13,397	3/4	2,716	3/4		3/4		3/4	
3	66,736	3	56,018	3	45,300	3	34,583	3	23,891	3	13,173	3	2,512	3		3		3	
1/4	66,512	1/4	55,795	1/4	45,077	1/4	34,359	1/4	23,667	1/4	12,950	1/4	2,308	1/4		1/4		1/4	
1/2	66,289	1/2	55,571	1/2	44,854	1/2	34,136	1/2	23,444	1/2	12,727	1/2	2,104	1/2		1/2		1/2	
3/4	66,066	3/4	55,348	3/4	44,630	3/4	33,913	3/4	23,221	3/4	12,504	3/4	1,900	3/4		3/4		3/4	
4	65,842	4	55,125	4	44,407	4	33,689	4	22,998	4	12,280	4	1,732	4		4		4	
1/4	65,619	1/4	54,901	1/4	44,184	1/4	33,466	1/4	22,774	1/4	12,057	1/4	1,565	1/4		1/4		1/4	
1/2	65,396	1/2	54,678	1/2	43,960	1/2	33,243	1/2	22,551	1/2	11,834	1/2	1,397	1/2		1/2		1/2	
3/4	65,173	3/4	54,455	3/4	43,737	3/4	33,020	3/4	22,328	3/4	11,611	3/4	1,230	3/4		3/4		3/4	
5	64,949	5	54,232	5	43,514	5	32,797	5	22,105	5	11,387	5	1,100	5		5		5	
1/4	64,726	1/4	54,008	1/4	43,291	1/4	32,574	1/4	21,881	1/4	11,164	1/4	970	1/4		1/4		1/4	
1/2	64,503	1/2	53,785	1/2	43,067	1/2	32,352	1/2	21,658	1/2	10,941	1/2	839	1/2		1/2		1/2	
3/4	64,279	3/4	53,562	3/4	42,844	3/4	32,129	3/4	21,435	3/4	10,717	3/4	709	3/4		3/4		3/4	
6	64,056	6	53,338	6	42,621	6	31,907	6	21,211	6	10,494	6	616	6		6		6	
1/4	63,833	1/4	53,115	1/4	42,397	1/4	31,684	1/4	20,988	1/4	10,271	1/4	523	1/4		1/4		1/4	
1/2	63,610	1/2	52,892	1/2	42,174	1/2	31,462	1/2	20,765	1/2	10,048	1/2	430	1/2		1/2		1/2	
3/4	63,386	3/4	52,669	3/4	41,951	3/4	31,239	3/4	20,542	3/4	9,824	3/4	337	3/4		3/4		3/4	
7	63,163	7	52,445	7	41,728	7	31,016	7	20,318	7	9,601	7	281	7		7		7	
1/4	62,940	1/4	52,222	1/4	41,504	1/4	30,794	1/4	20,095	1/4	9,378	1/4	225	1/4		1/4		1/4	
1/2	62,716	1/2	51,999	1/2	41,281	1/2	30,571	1/2	19,872	1/2	9,155	1/2	170	1/2		1/2		1/2	
3/4	62,493	3/4	51,775	3/4	41,058	3/4	30,349	3/4	19,648	3/4	8,931	3/4	114	3/4		3/4		3/4	
8	62,270	8	51,552	8	40,834	8	30,126	8	19,425	8	8,708	8	95	8		8		8	
1/4	62,047	1/4	51,329	1/4	40,611	1/4	29,904	1/4	19,202	1/4	8,485	1/4	77	1/4		1/4		1/4	
1/2	61,823	1/2	51,106	1/2	40,388	1/2	29,681	1/2	18,979	1/2	8,261	1/2	58	1/2		1/2		1/2	
3/4	61,600	3/4	50,882	3/4	40,165	3/4	29,458	3/4	18,755	3/4	8,038	3/4	39	3/4		3/4		3/4	
9	61,377	9	50,659	9	39,941	9	29,236	9	18,532	9	7,815	9		9		9		9	
1/4	61,153	1/4	50,436	1/4	39,718	1/4	29,013	1/4	18,309	1/4	7,592	1/4		1/4		1/4		1/4	
1/2	60,930	1/2	50,212	1/2	39,495	1/2	28,791	1/2	18,086	1/2	7,368	1/2		1/2		1/2		1/2	
3/4	60,707	3/4	49,989	3/4	39,271	3/4	28,568	3/4	17,862	3/4	7,145	3/4		3/4		3/4		3/4	
10	60,484	10	49,766	10	39,048	10	28,346	10	17,639	10	6,922	10		10		10		10	
1/4	60,260	1/4	49,543	1/4	38,825	1/4	28,123	1/4	17,416	1/4	6,699	1/4		1/4		1/4		1/4	
1/2	60,037	1/2	49,319	1/2	38,602	1/2	27,900	1/2	17,192	1/2	6,476	1/2		1/2		1/2		1/2	
3/4	59,814	3/4	49,096	3/4	38,378	3/4	27,678	3/4	16,969	3/4	6,253	3/4		3/4		3/4		3/4	
11	59,590	11	48,873	11	38,155	11	27,455	11	16,746	11	6,030	11		11		11		11	
1/4	59,367	1/4	48,649	1/4	37,932	1/4	27,233	1/4	16,523	1/4	5,808	1/4		1/4		1/4		1/4	
1/2	59,144	1/2	48,426	1/2	37,708	1/2	27,010	1/2	16,299	1/2	5,585	1/2		1/2		1/2		1/2	
3/4	58,921	3/4	48,203	3/4	37,485	3/4	26,788	3/4	16,076	3/4	5,362	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2014

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