



BARGE "CBC 1370"

INNAGE TRIM TABLE

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

(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"

December 5, 2013

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

<http://www.pmacorp.net>



BARGE "CBC 1370"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 1/2"

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 26'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 1370"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	104,711	0	114,811	0	124,271	0	133,688	0	143,089	0		0		0		0		0	
1/4	104,935	1/4	115,008	1/4	124,467	1/4	133,885	1/4	143,284	1/4		1/4		1/4		1/4		1/4	
1/2	105,159	1/2	115,206	1/2	124,664	1/2	134,081	1/2	143,478	1/2		1/2		1/2		1/2		1/2	
3/4	105,383	3/4	115,403	3/4	124,860	3/4	134,278	3/4	143,673	3/4		3/4		3/4		3/4		3/4	
1	105,607	1	115,600	1	125,057	1	134,475	1	143,867	1		1		1		1		1	
1/4	105,831	1/4	115,797	1/4	125,254	1/4	134,671	1/4	144,062	1/4		1/4		1/4		1/4		1/4	
1/2	106,055	1/2	115,994	1/2	125,450	1/2	134,868	1/2	144,256	1/2		1/2		1/2		1/2		1/2	
3/4	106,279	3/4	116,191	3/4	125,647	3/4	135,064	3/4	144,451	3/4		3/4		3/4		3/4		3/4	
2	106,503	2	116,388	2	125,843	2	135,261	2	144,645	2		2		2		2		2	
1/4	106,727	1/4	116,585	1/4	126,040	1/4	135,457	1/4	144,849	1/4		1/4		1/4		1/4		1/4	
1/2	106,951	1/2	116,782	1/2	126,236	1/2	135,654	1/2	145,052	1/2		1/2		1/2		1/2		1/2	
3/4	107,175	3/4	116,979	3/4	126,433	3/4	135,850	3/4	145,255	3/4		3/4		3/4		3/4		3/4	
3	107,399	3	117,176	3	126,629	3	136,047	3	145,459	3		3		3		3		3	
1/4	107,623	1/4	117,373	1/4	126,826	1/4	136,243	1/4	145,625	1/4		1/4		1/4		1/4		1/4	
1/2	107,847	1/2	117,570	1/2	127,023	1/2	136,440	1/2	145,791	1/2		1/2		1/2		1/2		1/2	
3/4	108,071	3/4	117,767	3/4	127,219	3/4	136,637	3/4	145,957	3/4		3/4		3/4		3/4		3/4	
4	108,295	4	117,965	4	127,416	4	136,833	4	146,122	4		4		4		4		4	
1/4	108,519	1/4	118,162	1/4	127,612	1/4	137,030	1/4	146,251	1/4		1/4		1/4		1/4		1/4	
1/2	108,743	1/2	118,359	1/2	127,809	1/2	137,226	1/2	146,379	1/2		1/2		1/2		1/2		1/2	
3/4	108,967	3/4	118,556	3/4	128,005	3/4	137,423	3/4	146,508	3/4		3/4		3/4		3/4		3/4	
5	109,191	5	118,753	5	128,202	5	137,619	5	146,636	5		5		5		5		5	
1/4	109,415	1/4	118,950	1/4	128,398	1/4	137,816	1/4	146,727	1/4		1/4		1/4		1/4		1/4	
1/2	109,639	1/2	119,147	1/2	128,595	1/2	138,012	1/2	146,818	1/2		1/2		1/2		1/2		1/2	
3/4	109,863	3/4	119,344	3/4	128,791	3/4	138,209	3/4	146,909	3/4		3/4		3/4		3/4		3/4	
6	110,087	6	119,541	6	128,988	6	138,405	6	147,000	6		6		6		6		6	
1/4	110,284	1/4	119,738	1/4	129,184	1/4	138,602	1/4	147,054	1/4		1/4		1/4		1/4		1/4	
1/2	110,481	1/2	119,935	1/2	129,380	1/2	138,799	1/2	147,107	1/2		1/2		1/2		1/2		1/2	
3/4	110,677	3/4	120,132	3/4	129,576	3/4	138,995	3/4	147,161	3/4		3/4		3/4		3/4		3/4	
7	110,874	7	120,329	7	129,771	7	139,192	7	147,214	7		7		7		7		7	
1/4	111,071	1/4	120,526	1/4	129,967	1/4	139,388	1/4	147,230	1/4		1/4		1/4		1/4		1/4	
1/2	111,268	1/2	120,724	1/2	130,163	1/2	139,585	1/2	147,247	1/2		1/2		1/2		1/2		1/2	
3/4	111,465	3/4	120,921	3/4	130,359	3/4	139,781	3/4	147,263	3/4		3/4		3/4		3/4		3/4	
8	111,662	8	121,118	8	130,555	8	139,978	8	147,279	8		8		8		8		8	
1/4	111,859	1/4	121,315	1/4	130,751	1/4	140,172	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	112,055	1/2	121,512	1/2	130,946	1/2	140,367	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	112,252	3/4	121,709	3/4	131,142	3/4	140,561	3/4		3/4		3/4		3/4		3/4		3/4	
9	112,449	9	121,906	9	131,338	9	140,756	9		9		9		9		9		9	
1/4	112,646	1/4	122,103	1/4	131,534	1/4	140,950	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	112,843	1/2	122,300	1/2	131,730	1/2	141,145	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	113,040	3/4	122,497	3/4	131,926	3/4	141,339	3/4		3/4		3/4		3/4		3/4		3/4	
10	113,237	10	122,694	10	132,122	10	141,534	10		10		10		10		10		10	
1/4	113,433	1/4	122,891	1/4	132,317	1/4	141,728	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	113,630	1/2	123,088	1/2	132,513	1/2	141,923	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	113,827	3/4	123,285	3/4	132,709	3/4	142,117	3/4		3/4		3/4		3/4		3/4		3/4	
11	114,024	11	123,483	11	132,905	11	142,312	11		11		11		11		11		11	
1/4	114,221	1/4	123,680	1/4	133,101	1/4	142,506	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	114,418	1/2	123,877	1/2	133,297	1/2	142,701	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	114,615	3/4	124,074	3/4	133,492	3/4	142,895	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/05/2013 SW
CALCULATED: 12/06/2013 CL
PRINTED: 12/07/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 1370"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 1/4"

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 30'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 1370"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	117,556	0	129,642	0	141,729	0	153,747	0	165,729	0		0		0		0		0	
1/4	117,808	1/4	129,894	1/4	141,979	1/4	153,998	1/4	165,977	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	118,060	1/2	130,146	1/2	142,229	1/2	154,248	1/2	166,226	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	118,312	3/4	130,398	3/4	142,480	3/4	154,499	3/4	166,474	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	118,563	1	130,650	1	142,730	1	154,749	1	166,722	1	1	1	1	1	1	1	1	1	1
1/4	118,815	1/4	130,901	1/4	142,980	1/4	154,999	1/4	166,970	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	119,067	1/2	131,153	1/2	143,231	1/2	155,250	1/2	167,218	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	119,319	3/4	131,405	3/4	143,481	3/4	155,500	3/4	167,466	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	119,571	2	131,657	2	143,732	2	155,751	2	167,714	2	2	2	2	2	2	2	2	2	2
1/4	119,822	1/4	131,909	1/4	143,982	1/4	156,001	1/4	167,941	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	120,074	1/2	132,160	1/2	144,232	1/2	156,251	1/2	168,168	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	120,326	3/4	132,412	3/4	144,483	3/4	156,502	3/4	168,395	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	120,578	3	132,664	3	144,733	3	156,752	3	168,622	3	3	3	3	3	3	3	3	3	3
1/4	120,830	1/4	132,916	1/4	144,984	1/4	157,003	1/4	168,808	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	121,081	1/2	133,168	1/2	145,234	1/2	157,253	1/2	168,993	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	121,333	3/4	133,419	3/4	145,484	3/4	157,503	3/4	169,178	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	121,585	4	133,671	4	145,735	4	157,754	4	169,363	4	4	4	4	4	4	4	4	4	4
1/4	121,837	1/4	133,923	1/4	145,985	1/4	158,004	1/4	169,506	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	122,089	1/2	134,175	1/2	146,236	1/2	158,255	1/2	169,649	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	122,340	3/4	134,426	3/4	146,486	3/4	158,505	3/4	169,792	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	122,592	5	134,678	5	146,736	5	158,755	5	169,936	5	5	5	5	5	5	5	5	5	5
1/4	122,844	1/4	134,930	1/4	146,987	1/4	159,006	1/4	170,037	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	123,096	1/2	135,182	1/2	147,237	1/2	159,256	1/2	170,138	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	123,348	3/4	135,434	3/4	147,488	3/4	159,507	3/4	170,239	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	123,599	6	135,685	6	147,738	6	159,757	6	170,340	6	6	6	6	6	6	6	6	6	6
1/4	123,851	1/4	135,937	1/4	147,988	1/4	160,007	1/4	170,399	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	124,103	1/2	136,189	1/2	148,239	1/2	160,258	1/2	170,459	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	124,355	3/4	136,441	3/4	148,489	3/4	160,508	3/4	170,518	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	124,606	7	136,693	7	148,740	7	160,759	7	170,577	7	7	7	7	7	7	7	7	7	7
1/4	124,858	1/4	136,944	1/4	148,990	1/4	161,009	1/4	170,594	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	125,110	1/2	137,196	1/2	149,240	1/2	161,259	1/2	170,611	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	125,362	3/4	137,448	3/4	149,491	3/4	161,510	3/4	170,629	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	125,614	8	137,700	8	149,741	8	161,760	8	170,646	8	8	8	8	8	8	8	8	8	8
1/4	125,865	1/4	137,952	1/4	149,992	1/4	162,008	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	126,117	1/2	138,203	1/2	150,242	1/2	162,256	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	126,369	3/4	138,455	3/4	150,492	3/4	162,504	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	126,621	9	138,707	9	150,743	9	162,752	9		9	9	9	9	9	9	9	9	9	9
1/4	126,873	1/4	138,959	1/4	150,993	1/4	163,001	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	127,124	1/2	139,211	1/2	151,244	1/2	163,249	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	127,376	3/4	139,462	3/4	151,494	3/4	163,497	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	127,628	10	139,714	10	151,744	10	163,745	10		10	10	10	10	10	10	10	10	10	10
1/4	127,880	1/4	139,966	1/4	151,995	1/4	163,993	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	128,132	1/2	140,218	1/2	152,245	1/2	164,241	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	128,383	3/4	140,470	3/4	152,496	3/4	164,489	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	128,635	11	140,721	11	152,746	11	164,737	11		11	11	11	11	11	11	11	11	11	11
1/4	128,887	1/4	140,973	1/4	152,996	1/4	164,985	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	129,139	1/2	141,225	1/2	153,247	1/2	165,233	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	129,391	3/4	141,477	3/4	153,497	3/4	165,481	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/05/2013 SW
CALCULATED: 12/06/2013 CL
PRINTED: 12/07/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 1370"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08"

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	40,164	0	50,882	0	61,599	0	72,317	0	83,035	0	93,750
1/4	58	1/4	8,261	1/4	18,978	1/4	29,681	1/4	40,388	1/4	51,105	1/4	61,823	1/4	72,540	1/4	83,258	1/4	93,974
1/2	77	1/2	8,485	1/2	19,202	1/2	29,903	1/2	40,611	1/2	51,328	1/2	62,046	1/2	72,764	1/2	83,481	1/2	94,197
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	62,269	3/4	72,987	3/4	83,704	3/4	94,420
1	114	1	8,931	1	19,648	1	30,348	1	41,057	1	51,775	1	62,493	1	73,210	1	83,928	1	94,643
1/4	170	1/4	9,154	1/4	19,872	1/4	30,571	1/4	41,281	1/4	51,998	1/4	62,716	1/4	73,433	1/4	84,151	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	62,939	1/2	73,657	1/2	84,374	1/2	95,090
3/4	281	3/4	9,601	3/4	20,318	3/4	31,016	3/4	41,727	3/4	52,445	3/4	63,162	3/4	73,880	3/4	84,597	3/4	95,313
2	337	2	9,824	2	20,541	2	31,239	2	41,951	2	52,668	2	63,386	2	74,103	2	84,821	2	95,536
1/4	430	1/4	10,048	1/4	20,765	1/4	31,461	1/4	42,174	1/4	52,891	1/4	63,609	1/4	74,327	1/4	85,044	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	63,832	1/2	74,550	1/2	85,267	1/2	95,983
3/4	616	3/4	10,494	3/4	21,211	3/4	31,906	3/4	42,620	3/4	53,338	3/4	64,056	3/4	74,773	3/4	85,490	3/4	96,206
3	709	3	10,717	3	21,434	3	32,129	3	42,844	3	53,561	3	64,279	3	74,996	3	85,713	3	96,429
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	64,502	1/4	75,220	1/4	85,937	1/4	96,652
1/2	970	1/2	11,164	1/2	21,881	1/2	32,574	1/2	43,290	1/2	54,008	1/2	64,725	1/2	75,443	1/2	86,160	1/2	96,876
3/4	1,100	3/4	11,387	3/4	22,104	3/4	32,797	3/4	43,514	3/4	54,231	3/4	64,949	3/4	75,666	3/4	86,383	3/4	97,099
4	1,230	4	11,610	4	22,328	4	33,019	4	43,737	4	54,454	4	65,172	4	75,889	4	86,606	4	97,322
1/4	1,397	1/4	11,834	1/4	22,551	1/4	33,242	1/4	43,960	1/4	54,678	1/4	65,395	1/4	76,113	1/4	86,830	1/4	97,545
1/2	1,565	1/2	12,057	1/2	22,774	1/2	33,466	1/2	44,183	1/2	54,901	1/2	65,618	1/2	76,336	1/2	87,053	1/2	97,769
3/4	1,732	3/4	12,280	3/4	22,997	3/4	33,689	3/4	44,407	3/4	55,124	3/4	65,842	3/4	76,559	3/4	87,276	3/4	97,992
5	1,900	5	12,504	5	23,221	5	33,912	5	44,630	5	55,347	5	66,065	5	76,783	5	87,499	5	98,215
1/4	2,104	1/4	12,727	1/4	23,444	1/4	34,136	1/4	44,853	1/4	55,571	1/4	66,288	1/4	77,006	1/4	87,723	1/4	98,438
1/2	2,308	1/2	12,950	1/2	23,667	1/2	34,359	1/2	45,076	1/2	55,794	1/2	66,512	1/2	77,229	1/2	87,946	1/2	98,662
3/4	2,512	3/4	13,173	3/4	23,890	3/4	34,582	3/4	45,300	3/4	56,017	3/4	66,735	3/4	77,452	3/4	88,169	3/4	98,885
6	2,716	6	13,397	6	24,114	6	34,805	6	45,523	6	56,241	6	66,958	6	77,676	6	88,392	6	99,108
1/4	2,935	1/4	13,620	1/4	24,337	1/4	35,029	1/4	45,746	1/4	56,464	1/4	67,181	1/4	77,899	1/4	88,616	1/4	99,331
1/2	3,154	1/2	13,843	1/2	24,560	1/2	35,252	1/2	45,970	1/2	56,687	1/2	67,405	1/2	78,122	1/2	88,839	1/2	99,555
3/4	3,373	3/4	14,066	3/4	24,783	3/4	35,475	3/4	46,193	3/4	56,910	3/4	67,628	3/4	78,346	3/4	89,062	3/4	99,778
7	3,591	7	14,290	7	25,005	7	35,699	7	46,416	7	57,134	7	67,851	7	78,569	7	89,285	7	100,001
1/4	3,812	1/4	14,513	1/4	25,228	1/4	35,922	1/4	46,639	1/4	57,357	1/4	68,075	1/4	78,792	1/4	89,509	1/4	100,224
1/2	4,033	1/2	14,736	1/2	25,451	1/2	36,145	1/2	46,863	1/2	57,580	1/2	68,298	1/2	79,015	1/2	89,732	1/2	100,448
3/4	4,254	3/4	14,960	3/4	25,674	3/4	36,368	3/4	47,086	3/4	57,804	3/4	68,521	3/4	79,239	3/4	89,955	3/4	100,671
8	4,475	8	15,183	8	25,897	8	36,592	8	47,309	8	58,027	8	68,744	8	79,462	8	90,178	8	100,894
1/4	4,696	1/4	15,406	1/4	26,120	1/4	36,815	1/4	47,533	1/4	58,250	1/4	68,968	1/4	79,685	1/4	90,402	1/4	101,117
1/2	4,918	1/2	15,629	1/2	26,342	1/2	37,038	1/2	47,756	1/2	58,473	1/2	69,191	1/2	79,909	1/2	90,625	1/2	101,341
3/4	5,140	3/4	15,853	3/4	26,565	3/4	37,262	3/4	47,979	3/4	58,697	3/4	69,414	3/4	80,132	3/4	90,848	3/4	101,564
9	5,362	9	16,076	9	26,787	9	37,485	9	48,202	9	58,920	9	69,638	9	80,355	9	91,071	9	101,787
1/4	5,585	1/4	16,299	1/4	27,010	1/4	37,708	1/4	48,426	1/4	59,143	1/4	69,861	1/4	80,578	1/4	91,295	1/4	102,010
1/2	5,807	1/2	16,522	1/2	27,233	1/2	37,931	1/2	48,649	1/2	59,367	1/2	70,084	1/2	80,802	1/2	91,518	1/2	102,234
3/4	6,030	3/4	16,746	3/4	27,455	3/4	38,155	3/4	48,872	3/4	59,590	3/4	70,307	3/4	81,025	3/4	91,741	3/4	102,457
10	6,253	10	16,969	10	27,678	10	38,378	10	49,096	10	59,813	10	70,531	10	81,248	10	91,964	10	102,680
1/4	6,476	1/4	17,192	1/4	27,900	1/4	38,601	1/4	49,319	1/4	60,036	1/4	70,754	1/4	81,472	1/4	92,188	1/4	102,903
1/2	6,699	1/2	17,416	1/2	28,123	1/2	38,825	1/2	49,542	1/2	60,260	1/2	70,977	1/2	81,695	1/2	92,411	1/2	103,127
3/4	6,922	3/4	17,639	3/4	28,345	3/4	39,048	3/4	49,765	3/4	60,483	3/4	71,201	3/4	81,918	3/4	92,634	3/4	103,350
11	7,145	11	17,862	11	28,568	11	39,271	11	49,989	11	60,706	11	71,424	11	82,141	11	92,857	11	103,573
1/4	7,368	1/4	18,085	1/4	28,790	1/4	39,494	1/4	50,212	1/4	60,930	1/4	71,647	1/4	82,365	1/4	93,081	1/4	103,796
1/2	7,592	1/2	18,309	1/2	29,013	1/2	39,718	1/2	50,435	1/2	61,153	1/2	71,870	1/2	82,588	1/2	93,304	1/2	104,020
3/4	7,815	3/4	18,532	3/4	29,236	3/4	39,941	3/4	50,659	3/4	61,376	3/4	72,094	3/4	82,811	3/4	93,527	3/4	104,243

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 23'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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BARGE "CBC 1370"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08"

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	104,466	0	115,182	0	125,898	0	136,555	0	147,179	0		0		0		0		0	
1/4	104,689	1/4	115,405	1/4	126,120	1/4	136,777	1/4	147,399	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	104,913	1/2	115,628	1/2	126,342	1/2	136,999	1/2	147,619	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	105,136	3/4	115,852	3/4	126,564	3/4	137,221	3/4	147,839	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	105,359	1	116,075	1	126,786	1	137,443	1	148,059	1	1	1	1	1	1	1	1	1	1
1/4	105,582	1/4	116,298	1/4	127,008	1/4	137,665	1/4	148,279	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	105,806	1/2	116,521	1/2	127,230	1/2	137,887	1/2	148,499	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	106,029	3/4	116,745	3/4	127,452	3/4	138,109	3/4	148,719	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	106,252	2	116,968	2	127,674	2	138,331	2	148,938	2	2	2	2	2	2	2	2	2	2
1/4	106,475	1/4	117,191	1/4	127,896	1/4	138,553	1/4	149,140	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	106,699	1/2	117,414	1/2	128,118	1/2	138,775	1/2	149,341	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	106,922	3/4	117,638	3/4	128,340	3/4	138,997	3/4	149,543	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	107,145	3	117,861	3	128,562	3	139,219	3	149,744	3	3	3	3	3	3	3	3	3	3
1/4	107,368	1/4	118,084	1/4	128,784	1/4	139,441	1/4	149,908	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	107,591	1/2	118,307	1/2	129,006	1/2	139,663	1/2	150,072	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	107,815	3/4	118,530	3/4	129,228	3/4	139,885	3/4	150,236	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	108,038	4	118,754	4	129,450	4	140,107	4	150,401	4	4	4	4	4	4	4	4	4	4
1/4	108,261	1/4	118,977	1/4	129,672	1/4	140,329	1/4	150,527	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	108,484	1/2	119,200	1/2	129,894	1/2	140,551	1/2	150,654	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	108,708	3/4	119,423	3/4	130,116	3/4	140,773	3/4	150,781	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	108,931	5	119,647	5	130,338	5	140,995	5	150,908	5	5	5	5	5	5	5	5	5	5
1/4	109,154	1/4	119,870	1/4	130,560	1/4	141,217	1/4	150,998	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	109,377	1/2	120,093	1/2	130,782	1/2	141,439	1/2	151,088	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	109,601	3/4	120,316	3/4	131,004	3/4	141,661	3/4	151,177	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	109,824	6	120,540	6	131,226	6	141,883	6	151,267	6	6	6	6	6	6	6	6	6	6
1/4	110,047	1/4	120,763	1/4	131,448	1/4	142,105	1/4	151,320	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	110,270	1/2	120,986	1/2	131,670	1/2	142,327	1/2	151,372	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	110,494	3/4	121,209	3/4	131,892	3/4	142,549	3/4	151,425	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	110,717	7	121,433	7	132,114	7	142,771	7	151,477	7	7	7	7	7	7	7	7	7	7
1/4	110,940	1/4	121,656	1/4	132,336	1/4	142,993	1/4	151,492	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	111,163	1/2	121,879	1/2	132,558	1/2	143,215	1/2	151,508	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	111,387	3/4	122,102	3/4	132,780	3/4	143,437	3/4	151,523	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	111,610	8	122,326	8	133,002	8	143,659	8	151,538	8	8	8	8	8	8	8	8	8	8
1/4	111,833	1/4	122,549	1/4	133,224	1/4	143,879	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	112,056	1/2	122,772	1/2	133,446	1/2	144,099	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	112,280	3/4	122,995	3/4	133,668	3/4	144,319	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	112,503	9	123,219	9	133,890	9	144,539	9		9	9	9	9	9	9	9	9	9	9
1/4	112,726	1/4	123,442	1/4	134,112	1/4	144,759	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	112,949	1/2	123,665	1/2	134,334	1/2	144,979	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	113,173	3/4	123,888	3/4	134,556	3/4	145,199	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	113,396	10	124,112	10	134,778	10	145,419	10		10	10	10	10	10	10	10	10	10	10
1/4	113,619	1/4	124,335	1/4	135,000	1/4	145,639	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	113,842	1/2	124,558	1/2	135,222	1/2	145,859	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	114,066	3/4	124,781	3/4	135,444	3/4	146,079	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	114,289	11	125,005	11	135,666	11	146,299	11		11	11	11	11	11	11	11	11	11	11
1/4	114,512	1/4	125,228	1/4	135,888	1/4	146,519	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	114,735	1/2	125,451	1/2	136,111	1/2	146,739	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	114,959	3/4	125,674	3/4	136,333	3/4	146,959	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: 12/05/2013 SW
CALCULATED: 12/06/2013 CL
PRINTED: 12/07/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 1370"

ULLAGE TRIM TABLE

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

(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"

December 5, 2013

PRECISION MEASUREMENT
& ANALYSIS, INC.

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Pearland, Texas 77588

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BARGE "CBC 1370"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-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		0	140,367	0	130,947	0	121,512	0	112,056	0	101,572	0	90,808	0	80,043
1/4	1/4	1/4	1/4	1/4	1/4	1/4	140,173	1/4	130,751	1/4	121,315	1/4	111,859	1/4	101,347	1/4	90,584	1/4	79,819
1/2	1/2	1/2	1/2	1/2	1/2	1/2	147,279	1/2	139,978	1/2	130,555	1/2	121,118	1/2	111,662	1/2	101,123	1/2	79,595
3/4	3/4	3/4	3/4	3/4	3/4	3/4	147,263	3/4	139,782	3/4	130,359	3/4	120,921	3/4	111,465	3/4	100,899	3/4	79,371
1		1		1		1	147,247	1	139,585	1	130,163	1	120,724	1	111,268	1	100,675	1	89,911
1/4	1/4	1/4	1/4	1/4	1/4	1/4	147,231	1/4	139,389	1/4	129,968	1/4	120,527	1/4	111,071	1/4	100,450	1/4	89,687
1/2	1/2	1/2	1/2	1/2	1/2	1/2	147,215	1/2	139,192	1/2	129,772	1/2	120,330	1/2	110,875	1/2	100,226	1/2	89,462
3/4	3/4	3/4	3/4	3/4	3/4	3/4	147,161	3/4	138,995	3/4	129,576	3/4	120,133	3/4	110,678	3/4	100,020	3/4	89,238
2		2		2		2	147,108	2	138,799	2	129,380	2	119,936	2	110,481	2	99,778	2	89,014
1/4	1/4	1/4	1/4	1/4	1/4	1/4	147,054	1/4	138,602	1/4	129,184	1/4	119,739	1/4	110,284	1/4	99,553	1/4	88,790
1/2	1/2	1/2	1/2	1/2	1/2	1/2	147,001	1/2	138,406	1/2	128,988	1/2	119,541	1/2	110,087	1/2	99,329	1/2	88,565
3/4	3/4	3/4	3/4	3/4	3/4	3/4	146,910	3/4	138,209	3/4	128,792	3/4	119,344	3/4	109,863	3/4	99,105	3/4	88,341
3		3		3		3	146,819	3	138,013	3	128,595	3	119,147	3	109,639	3	98,881	3	88,117
1/4	1/4	1/4	1/4	1/4	1/4	1/4	146,728	1/4	137,816	1/4	128,399	1/4	118,950	1/4	109,415	1/4	98,656	1/4	87,893
1/2	1/2	1/2	1/2	1/2	1/2	1/2	146,637	1/2	137,620	1/2	128,202	1/2	118,753	1/2	109,191	1/2	98,432	1/2	87,668
3/4	3/4	3/4	3/4	3/4	3/4	3/4	146,508	3/4	137,423	3/4	128,006	3/4	118,556	3/4	108,967	3/4	98,208	3/4	87,444
4		4		4		4	146,380	4	137,227	4	127,809	4	118,359	4	108,743	4	97,984	4	87,220
1/4	1/4	1/4	1/4	1/4	1/4	1/4	146,251	1/4	137,030	1/4	127,613	1/4	118,162	1/4	108,519	1/4	97,759	1/4	86,996
1/2	1/2	1/2	1/2	1/2	1/2	1/2	146,123	1/2	136,833	1/2	127,416	1/2	117,965	1/2	108,295	1/2	97,535	1/2	86,771
3/4	3/4	3/4	3/4	3/4	3/4	3/4	145,957	3/4	136,637	3/4	127,219	3/4	117,768	3/4	108,071	3/4	97,311	3/4	86,547
5		5		5		5	145,791	5	136,440	5	127,023	5	117,571	5	107,847	5	97,087	5	86,323
1/4	1/4	1/4	1/4	1/4	1/4	1/4	145,625	1/4	136,244	1/4	126,826	1/4	117,374	1/4	107,623	1/4	96,862	1/4	86,099
1/2	1/2	1/2	1/2	1/2	1/2	1/2	145,459	1/2	136,047	1/2	126,630	1/2	117,177	1/2	107,399	1/2	96,638	1/2	85,874
3/4	3/4	3/4	3/4	3/4	3/4	3/4	145,256	3/4	135,851	3/4	126,433	3/4	116,980	3/4	107,175	3/4	96,414	3/4	85,650
6		6		6		6	145,052	6	135,654	6	126,237	6	116,782	6	106,951	6	96,190	6	85,426
1/4	1/4	1/4	1/4	1/4	1/4	1/4	144,849	1/4	135,458	1/4	126,040	1/4	116,585	1/4	106,727	1/4	95,965	1/4	85,202
1/2	1/2	1/2	1/2	1/2	1/2	1/2	144,646	1/2	135,261	1/2	125,844	1/2	116,388	1/2	106,503	1/2	95,741	1/2	84,977
3/4	3/4	3/4	3/4	3/4	3/4	3/4	144,451	3/4	135,064	3/4	125,647	3/4	116,191	3/4	106,279	3/4	95,517	3/4	84,753
7		7		7		7	144,257	7	134,868	7	125,450	7	115,994	7	106,055	7	95,293	7	84,529
1/4	1/4	1/4	1/4	1/4	1/4	1/4	144,062	1/4	134,671	1/4	125,254	1/4	115,797	1/4	105,831	1/4	95,069	1/4	84,305
1/2	1/2	1/2	1/2	1/2	1/2	1/2	143,868	1/2	134,475	1/2	125,057	1/2	115,600	1/2	105,607	1/2	94,844	1/2	84,080
3/4	3/4	3/4	3/4	3/4	3/4	3/4	143,673	3/4	134,278	3/4	124,861	3/4	115,403	3/4	105,383	3/4	94,620	3/4	83,856
8		8		8		8	143,479	8	134,082	8	124,664	8	115,206	8	105,159	8	94,396	8	83,632
1/4	1/4	1/4	1/4	1/4	1/4	1/4	143,284	1/4	133,885	1/4	124,468	1/4	115,009	1/4	104,935	1/4	94,172	1/4	83,408
1/2	1/2	1/2	1/2	1/2	1/2	1/2	143,090	1/2	133,689	1/2	124,271	1/2	114,812	1/2	104,711	1/2	93,947	1/2	83,183
3/4	3/4	3/4	3/4	3/4	3/4	3/4	142,895	3/4	133,493	3/4	124,074	3/4	114,615	3/4	104,487	3/4	93,723	3/4	82,959
9		9		9		9	142,701	9	133,297	9	123,877	9	114,418	9	104,263	9	93,499	9	82,735
1/4	1/4	1/4	1/4	1/4	1/4	1/4	142,506	1/4	133,101	1/4	123,680	1/4	114,221	1/4	104,038	1/4	93,275	1/4	82,511
1/2	1/2	1/2	1/2	1/2	1/2	1/2	142,312	1/2	132,905	1/2	123,483	1/2	114,024	1/2	103,814	1/2	93,050	1/2	82,286
3/4	3/4	3/4	3/4	3/4	3/4	3/4	142,117	3/4	132,709	3/4	123,286	3/4	113,827	3/4	103,590	3/4	92,826	3/4	82,062
10		10		10		10	141,923	10	132,514	10	123,089	10	113,631	10	103,366	10	92,602	10	81,838
1/4	1/4	1/4	1/4	1/4	1/4	1/4	141,728	1/4	132,318	1/4	122,892	1/4	113,434	1/4	103,141	1/4	92,378	1/4	81,613
1/2	1/2	1/2	1/2	1/2	1/2	1/2	141,534	1/2	132,122	1/2	122,695	1/2	113,237	1/2	102,917	1/2	92,153	1/2	81,389
3/4	3/4	3/4	3/4	3/4	3/4	3/4	141,340	3/4	131,926	3/4	122,498	3/4	113,040	3/4	102,693	3/4	91,929	3/4	81,165
11		11		11		11	141,145	11	131,730	11	122,300	11	112,843	11	102,469	11	91,705	11	80,941
1/4	1/4	1/4	1/4	1/4	1/4	1/4	140,951	1/4	131,534	1/4	122,103	1/4	112,646	1/4	102,244	1/4	91,481	1/4	80,716
1/2	1/2	1/2	1/2	1/2	1/2	1/2	140,756	1/2	131,338	1/2	121,906	1/2	112,449	1/2	102,020	1/2	91,256	1/2	80,492
3/4	3/4	3/4	3/4	3/4	3/4	3/4	140,562	3/4	131,143	3/4	121,709	3/4	112,253	3/4	101,796	3/4	91,032	3/4	80,268

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 1370"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	69,323	0	58,568	0	47,808	0	37,047	0	26,461	0	15,733	0	4,951	0		0		0	
1/4	69,099	1/4	58,344	1/4	47,583	1/4	36,823	1/4	26,243	1/4	15,508	1/4	4,727	1/4	1/4		1/4		1/4
1/2	68,876	1/2	58,120	1/2	47,359	1/2	36,599	1/2	26,024	1/2	15,284	1/2	4,504	1/2	1/2		1/2		1/2
3/4	68,652	3/4	57,896	3/4	47,135	3/4	36,375	3/4	25,805	3/4	15,059	3/4	4,282	3/4	3/4		3/4		3/4
1	68,429	1	57,672	1	46,911	1	36,150	1	25,587	1	14,834	1	4,060	1	1		1		1
1/4	68,205	1/4	57,447	1/4	46,687	1/4	35,926	1/4	25,368	1/4	14,609	1/4	3,837	1/4	1/4		1/4		1/4
1/2	67,981	1/2	57,223	1/2	46,463	1/2	35,702	1/2	25,149	1/2	14,385	1/2	3,615	1/2	1/2		1/2		1/2
3/4	67,758	3/4	56,999	3/4	46,238	3/4	35,478	3/4	24,930	3/4	14,160	3/4	3,395	3/4	3/4		3/4		3/4
2	67,534	2	56,775	2	46,014	2	35,254	2	24,712	2	13,935	2	3,175	2	2		2		2
1/4	67,311	1/4	56,551	1/4	45,790	1/4	35,029	1/4	24,493	1/4	13,710	1/4	2,954	1/4	1/4		1/4		1/4
1/2	67,087	1/2	56,326	1/2	45,566	1/2	34,805	1/2	24,274	1/2	13,486	1/2	2,734	1/2	1/2		1/2		1/2
3/4	66,863	3/4	56,102	3/4	45,342	3/4	34,581	3/4	24,049	3/4	13,261	3/4	2,529	3/4	3/4		3/4		3/4
3	66,639	3	55,878	3	45,118	3	34,357	3	23,825	3	13,036	3	2,323	3	3		3		3
1/4	66,415	1/4	55,654	1/4	44,893	1/4	34,133	1/4	23,600	1/4	12,811	1/4	2,118	1/4	1/4		1/4		1/4
1/2	66,190	1/2	55,430	1/2	44,669	1/2	33,909	1/2	23,375	1/2	12,587	1/2	1,912	1/2	1/2		1/2		1/2
3/4	65,966	3/4	55,206	3/4	44,445	3/4	33,684	3/4	23,150	3/4	12,362	3/4	1,744	3/4	3/4		3/4		3/4
4	65,742	4	54,981	4	44,221	4	33,460	4	22,926	4	12,137	4	1,575	4	4		4		4
1/4	65,518	1/4	54,757	1/4	43,997	1/4	33,236	1/4	22,701	1/4	11,912	1/4	1,407	1/4	1/4		1/4		1/4
1/2	65,294	1/2	54,533	1/2	43,772	1/2	33,012	1/2	22,476	1/2	11,688	1/2	1,238	1/2	1/2		1/2		1/2
3/4	65,069	3/4	54,309	3/4	43,548	3/4	32,793	3/4	22,251	3/4	11,463	3/4	1,107	3/4	3/4		3/4		3/4
5	64,845	5	54,085	5	43,324	5	32,575	5	22,027	5	11,238	5	976	5	5		5		5
1/4	64,621	1/4	53,860	1/4	43,100	1/4	32,357	1/4	21,802	1/4	11,013	1/4	845	1/4	1/4		1/4		1/4
1/2	64,397	1/2	53,636	1/2	42,876	1/2	32,138	1/2	21,577	1/2	10,788	1/2	714	1/2	1/2		1/2		1/2
3/4	64,173	3/4	53,412	3/4	42,652	3/4	31,920	3/4	21,352	3/4	10,564	3/4	620	3/4	3/4		3/4		3/4
6	63,949	6	53,188	6	42,427	6	31,702	6	21,127	6	10,339	6	527	6	6		6		6
1/4	63,724	1/4	52,964	1/4	42,203	1/4	31,483	1/4	20,903	1/4	10,114	1/4	433	1/4	1/4		1/4		1/4
1/2	63,500	1/2	52,740	1/2	41,979	1/2	31,265	1/2	20,678	1/2	9,889	1/2	339	1/2	1/2		1/2		1/2
3/4	63,276	3/4	52,515	3/4	41,755	3/4	31,047	3/4	20,453	3/4	9,665	3/4	283	3/4	3/4		3/4		3/4
7	63,052	7	52,291	7	41,531	7	30,828	7	20,228	7	9,440	7	227	7	7		7		7
1/4	62,828	1/4	52,067	1/4	41,306	1/4	30,610	1/4	20,004	1/4	9,215	1/4	171	1/4	1/4		1/4		1/4
1/2	62,603	1/2	51,843	1/2	41,082	1/2	30,391	1/2	19,779	1/2	8,990	1/2	115	1/2	1/2		1/2		1/2
3/4	62,379	3/4	51,619	3/4	40,858	3/4	30,173	3/4	19,554	3/4	8,766	3/4	96	3/4	3/4		3/4		3/4
8	62,155	8	51,395	8	40,634	8	29,955	8	19,329	8	8,541	8	77	8	8		8		8
1/4	61,931	1/4	51,170	1/4	40,410	1/4	29,736	1/4	19,105	1/4	8,316	1/4	58	1/4	1/4		1/4		1/4
1/2	61,707	1/2	50,946	1/2	40,186	1/2	29,518	1/2	18,880	1/2	8,091	1/2	39	1/2	1/2		1/2		1/2
3/4	61,483	3/4	50,722	3/4	39,961	3/4	29,300	3/4	18,655	3/4	7,867	3/4		3/4	3/4		3/4		3/4
9	61,258	9	50,498	9	39,737	9	29,081	9	18,430	9	7,642	9		9	9		9		9
1/4	61,034	1/4	50,274	1/4	39,513	1/4	28,863	1/4	18,206	1/4	7,417	1/4		1/4	1/4		1/4		1/4
1/2	60,810	1/2	50,049	1/2	39,289	1/2	28,645	1/2	17,981	1/2	7,192	1/2		1/2	1/2		1/2		1/2
3/4	60,586	3/4	49,825	3/4	39,065	3/4	28,426	3/4	17,756	3/4	6,968	3/4		3/4	3/4		3/4		3/4
10	60,362	10	49,601	10	38,841	10	28,208	10	17,531	10	6,743	10		10	10		10		10
1/4	60,137	1/4	49,377	1/4	38,616	1/4	27,989	1/4	17,307	1/4	6,519	1/4		1/4	1/4		1/4		1/4
1/2	59,913	1/2	49,153	1/2	38,392	1/2	27,771	1/2	17,082	1/2	6,294	1/2		1/2	1/2		1/2		1/2
3/4	59,689	3/4	48,929	3/4	38,168	3/4	27,553	3/4	16,857	3/4	6,070	3/4		3/4	3/4		3/4		3/4
11	59,465	11	48,704	11	37,944	11	27,334	11	16,632	11	5,846	11		11	11		11		11
1/4	59,241	1/4	48,480	1/4	37,720	1/4	27,116	1/4	16,408	1/4	5,622	1/4		1/4	1/4		1/4		1/4
1/2	59,017	1/2	48,256	1/2	37,495	1/2	26,898	1/2	16,183	1/2	5,398	1/2		1/2	1/2		1/2		1/2
3/4	58,792	3/4	48,032	3/4	37,271	3/4	26,679	3/4	15,958	3/4	5,174	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/05/2013 SW
CALCULATED: 12/06/2013 CL
PRINTED: 12/07/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 1370"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0		0		0		0		0		0		0	
				170,646		161,760		149,741		137,700		125,866		113,779		101,693		89,606	
1/4	1/4	1/4	1/4	170,629	1/4	161,510	1/4	149,491	1/4	137,448	1/4	125,362	1/4	113,276	1/4	101,190	1/4	89,103	1/4
1/2	1/2	1/2	1/2	170,612	3/4	161,259	3/4	149,240	3/4	137,196	3/4	125,110	3/4	113,024	3/4	100,938	3/4	88,851	3/4
3/4	3/4	3/4	3/4	170,594	1	161,009	1	148,990	1	136,944	1	124,858	1	112,772	1	100,686	1	88,599	1
1		1		170,577		160,759		148,740		136,693		124,607		112,520		100,434		88,347	
1/4	1/4	1/4	1/4	170,518	1/4	160,508	1/4	148,489	1/4	136,441	1/4	124,355	1/4	112,269	1/4	100,182	1/4	88,095	1/4
1/2	1/2	1/2	1/2	170,459	3/4	160,258	3/4	148,239	3/4	136,189	3/4	124,103	3/4	112,017	3/4	99,931	3/4	87,844	3/4
3/4	3/4	3/4	3/4	170,399	1	160,007	1	147,988	1	135,937	1	123,851	1	111,765	1	99,679	1	87,592	1
1		1		170,340		159,757		147,738		135,686		123,599		111,513		99,427		87,340	
1/4	1/4	1/4	1/4	170,239	1/4	159,507	1/4	147,488	1/4	135,434	1/4	123,348	1/4	111,261	1/4	99,175	1/4	87,088	1/4
1/2	1/2	1/2	1/2	170,138	3/4	159,256	3/4	147,237	3/4	135,182	3/4	123,096	3/4	111,010	3/4	98,923	3/4	86,836	3/4
3/4	3/4	3/4	3/4	170,037	1	159,006	1	146,987	1	134,930	1	122,844	1	110,758	1	98,672	1	86,584	1
1		1		169,936		158,755		146,736		134,678		122,592		110,506		98,420		86,333	
1/4	1/4	1/4	1/4	169,792	1/4	158,505	1/4	146,486	1/4	134,427	1/4	122,340	1/4	110,254	1/4	98,168	1/4	86,081	1/4
1/2	1/2	1/2	1/2	169,649	3/4	158,255	3/4	146,236	3/4	134,175	3/4	122,089	3/4	110,002	3/4	97,916	3/4	85,829	3/4
3/4	3/4	3/4	3/4	169,506	1	158,004	1	145,985	1	133,923	1	121,837	1	109,751	1	97,664	1	85,577	1
1		1		169,363		157,754		145,735		133,671		121,585		109,499		97,413		85,325	
1/4	1/4	1/4	1/4	169,178	1/4	157,503	1/4	145,485	1/4	133,419	1/4	121,333	1/4	109,247	1/4	97,161	1/4	85,073	1/4
1/2	1/2	1/2	1/2	168,993	3/4	157,253	3/4	145,234	3/4	133,168	3/4	121,081	3/4	108,995	3/4	96,909	3/4	84,821	3/4
3/4	3/4	3/4	3/4	168,808	1	157,003	1	144,984	1	132,916	1	120,830	1	108,743	1	96,657	1	84,570	1
1		1		168,623		156,752		144,733		132,664		120,578		108,492		96,406		84,318	
1/4	1/4	1/4	1/4	168,395	1/4	156,502	1/4	144,483	1/4	132,412	1/4	120,326	1/4	108,240	1/4	96,154	1/4	84,066	1/4
1/2	1/2	1/2	1/2	168,168	3/4	156,251	3/4	144,233	3/4	132,160	3/4	120,074	3/4	107,988	3/4	95,902	3/4	83,814	3/4
3/4	3/4	3/4	3/4	167,941	1	156,001	1	143,982	1	131,909	1	119,822	1	107,736	1	95,650	1	83,562	1
1		1		167,714		155,751		143,732		131,657		119,571		107,484		95,398		83,310	
1/4	1/4	1/4	1/4	167,466	1/4	155,500	1/4	143,481	1/4	131,405	1/4	119,319	1/4	107,233	1/4	95,147	1/4	83,059	1/4
1/2	1/2	1/2	1/2	167,218	3/4	155,250	3/4	143,231	3/4	131,153	3/4	119,067	3/4	106,981	3/4	94,895	3/4	82,807	3/4
3/4	3/4	3/4	3/4	166,970	1	155,000	1	142,981	1	130,901	1	118,815	1	106,729	1	94,643	1	82,555	1
1		1		166,722		154,749		142,730		130,650		118,563		106,477		94,391		82,303	
1/4	1/4	1/4	1/4	166,474	1/4	154,499	1/4	142,480	1/4	130,398	1/4	118,312	1/4	106,226	1/4	94,139	1/4	82,051	1/4
1/2	1/2	1/2	1/2	166,226	3/4	154,248	3/4	142,229	3/4	130,146	3/4	118,060	3/4	105,974	3/4	93,888	3/4	81,799	3/4
3/4	3/4	3/4	3/4	165,978	1	153,998	1	141,979	1	129,894	1	117,808	1	105,722	1	93,636	1	81,548	1
1		1		165,729		153,748		141,729		129,642		117,556		105,470		93,384		81,296	
1/4	1/4	1/4	1/4	165,481	1/4	153,497	1/4	141,477	1/4	129,391	1/4	117,304	1/4	105,218	1/4	93,132	1/4	81,044	1/4
1/2	1/2	1/2	1/2	165,233	3/4	153,247	3/4	141,225	3/4	129,139	3/4	117,053	3/4	104,967	3/4	92,880	3/4	80,792	3/4
3/4	3/4	3/4	3/4	164,985	1	152,996	1	140,973	1	128,887	1	116,801	1	104,715	1	92,628	1	80,540	1
1		1		164,737		152,746		140,721		128,635		116,549		104,463		92,377		80,288	
1/4	1/4	1/4	1/4	164,489	1/4	152,496	1/4	140,470	1/4	128,383	1/4	116,297	1/4	104,211	1/4	92,125	1/4	80,037	1/4
1/2	1/2	1/2	1/2	164,241	3/4	152,245	3/4	140,218	3/4	128,132	3/4	116,046	3/4	103,959	3/4	91,873	3/4	79,785	3/4
3/4	3/4	3/4	3/4	163,993	1	151,995	1	139,966	1	127,880	1	115,794	1	103,708	1	91,621	1	79,533	1
1		1		163,745		151,744		139,714		127,628		115,542		103,456		91,369		79,281	
1/4	1/4	1/4	1/4	163,497	1/4	151,494	1/4	139,462	1/4	127,376	1/4	115,290	1/4	103,204	1/4	91,117	1/4	79,029	1/4
1/2	1/2	1/2	1/2	163,249	3/4	151,244	3/4	139,211	3/4	127,124	3/4	115,038	3/4	102,952	3/4	90,866	3/4	78,777	3/4
3/4	3/4	3/4	3/4	163,001	1	150,993	1	138,959	1	126,873	1	114,787	1	102,700	1	90,614	1	78,526	1
1		1		162,753		150,743		138,707		126,621		114,535		102,449		90,362		78,274	
1/4	1/4	1/4	1/4	162,504	1/4	150,492	1/4	138,455	1/4	126,369	1/4	114,283	1/4	102,197	1/4	90,110	1/4	78,022	1/4
1/2	1/2	1/2	1/2	162,256	3/4	150,242	3/4	138,203	3/4	126,117	3/4	114,031	3/4	101,945	3/4	89,858	3/4	77,770	3/4
3/4	3/4	3/4	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 THREADS ON "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 30'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 1370"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	77,518	0	65,430	0	53,342	0	41,253	0	29,424	0	17,372	0	5,292	0		0		0	
1/4	77,266	1/4	65,178	1/4	53,090	1/4	41,002	1/4	29,179	1/4	17,120	1/4	5,042	1/4	1/4	1/4	1/4	1/4	1/4
1/2	77,014	1/2	64,926	1/2	52,838	1/2	40,750	1/2	28,934	1/2	16,868	1/2	4,793	1/2	1/2	1/2	1/2	1/2	1/2
3/4	76,763	3/4	64,674	3/4	52,586	3/4	40,498	3/4	28,690	3/4	16,616	3/4	4,544	3/4	3/4	3/4	3/4	3/4	3/4
1	76,511	1	64,423	1	52,334	1	40,246	1	28,445	1	16,364	1	4,295	1	1	1	1	1	1
1/4	76,259	1/4	64,171	1/4	52,083	1/4	39,994	1/4	28,200	1/4	16,112	1/4	4,046	1/4	1/4	1/4	1/4	1/4	1/4
1/2	76,007	1/2	63,919	1/2	51,831	1/2	39,742	1/2	27,948	1/2	15,861	1/2	3,799	1/2	1/2	1/2	1/2	1/2	1/2
3/4	75,755	3/4	63,667	3/4	51,579	3/4	39,491	3/4	27,697	3/4	15,609	3/4	3,552	3/4	3/4	3/4	3/4	3/4	3/4
2	75,503	2	63,415	2	51,327	2	39,239	2	27,445	2	15,357	2	3,305	2	2	2	2	2	2
1/4	75,252	1/4	63,163	1/4	51,075	1/4	38,987	1/4	27,193	1/4	15,105	1/4	3,059	1/4	1/4	1/4	1/4	1/4	1/4
1/2	75,000	1/2	62,912	1/2	50,823	1/2	38,735	1/2	26,941	1/2	14,853	1/2	2,828	1/2	1/2	1/2	1/2	1/2	1/2
3/4	74,748	3/4	62,660	3/4	50,571	3/4	38,483	3/4	26,689	3/4	14,601	3/4	2,598	3/4	3/4	3/4	3/4	3/4	3/4
3	74,496	3	62,408	3	50,320	3	38,231	3	26,437	3	14,350	3	2,368	3	3	3	3	3	3
1/4	74,244	1/4	62,156	1/4	50,068	1/4	37,980	1/4	26,186	1/4	14,098	1/4	2,138	1/4	1/4	1/4	1/4	1/4	1/4
1/2	73,992	1/2	61,904	1/2	49,816	1/2	37,735	1/2	25,934	1/2	13,846	1/2	1,949	1/2	1/2	1/2	1/2	1/2	1/2
3/4	73,741	3/4	61,652	3/4	49,564	3/4	37,490	3/4	25,682	3/4	13,594	3/4	1,760	3/4	3/4	3/4	3/4	3/4	3/4
4	73,489	4	61,401	4	49,312	4	37,245	4	25,430	4	13,342	4	1,571	4	4	4	4	4	4
1/4	73,237	1/4	61,149	1/4	49,060	1/4	37,000	1/4	25,178	1/4	13,090	1/4	1,382	1/4	1/4	1/4	1/4	1/4	1/4
1/2	72,985	1/2	60,897	1/2	48,809	1/2	36,756	1/2	24,926	1/2	12,839	1/2	1,235	1/2	1/2	1/2	1/2	1/2	1/2
3/4	72,733	3/4	60,645	3/4	48,557	3/4	36,512	3/4	24,675	3/4	12,587	3/4	1,089	3/4	3/4	3/4	3/4	3/4	3/4
5	72,481	5	60,393	5	48,305	5	36,267	5	24,423	5	12,335	5	942	5	5	5	5	5	5
1/4	72,230	1/4	60,141	1/4	48,053	1/4	36,023	1/4	24,171	1/4	12,083	1/4	795	1/4	1/4	1/4	1/4	1/4	1/4
1/2	71,978	1/2	59,889	1/2	47,801	1/2	35,778	1/2	23,919	1/2	11,831	1/2	690	1/2	1/2	1/2	1/2	1/2	1/2
3/4	71,726	3/4	59,638	3/4	47,549	3/4	35,534	3/4	23,667	3/4	11,579	3/4	585	3/4	3/4	3/4	3/4	3/4	3/4
6	71,474	6	59,386	6	47,298	6	35,290	6	23,415	6	11,328	6	480	6	6	6	6	6	6
1/4	71,222	1/4	59,134	1/4	47,046	1/4	35,045	1/4	23,164	1/4	11,076	1/4	375	1/4	1/4	1/4	1/4	1/4	1/4
1/2	70,970	1/2	58,882	1/2	46,794	1/2	34,801	1/2	22,912	1/2	10,824	1/2	312	1/2	1/2	1/2	1/2	1/2	1/2
3/4	70,719	3/4	58,630	3/4	46,542	3/4	34,556	3/4	22,660	3/4	10,572	3/4	249	3/4	3/4	3/4	3/4	3/4	3/4
7	70,467	7	58,378	7	46,290	7	34,312	7	22,408	7	10,320	7	186	7	7	7	7	7	7
1/4	70,215	1/4	58,127	1/4	46,038	1/4	34,068	1/4	22,156	1/4	10,068	1/4	123	1/4	1/4	1/4	1/4	1/4	1/4
1/2	69,963	1/2	57,875	1/2	45,787	1/2	33,823	1/2	21,904	1/2	9,817	1/2	102	1/2	1/2	1/2	1/2	1/2	1/2
3/4	69,711	3/4	57,623	3/4	45,535	3/4	33,579	3/4	21,653	3/4	9,565	3/4	81	3/4	3/4	3/4	3/4	3/4	3/4
8	69,459	8	57,371	8	45,283	8	33,334	8	21,401	8	9,313	8	60	8	8	8	8	8	8
1/4	69,208	1/4	57,119	1/4	45,031	1/4	33,090	1/4	21,149	1/4	9,061	1/4	39	1/4	1/4	1/4	1/4	1/4	1/4
1/2	68,956	1/2	56,867	1/2	44,779	1/2	32,845	1/2	20,897	1/2	8,809	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	68,704	3/4	56,616	3/4	44,527	3/4	32,601	3/4	20,645	3/4	8,558	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	68,452	9	56,364	9	44,276	9	32,357	9	20,393	9	8,306	9		9	9	9	9	9	9
1/4	68,200	1/4	56,112	1/4	44,024	1/4	32,112	1/4	20,142	1/4	8,054	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	67,948	1/2	55,860	1/2	43,772	1/2	31,868	1/2	19,890	1/2	7,802	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	67,696	3/4	55,608	3/4	43,520	3/4	31,623	3/4	19,638	3/4	7,551	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	67,445	10	55,356	10	43,268	10	31,379	10	19,386	10	7,299	10		10	10	10	10	10	10
1/4	67,193	1/4	55,105	1/4	43,016	1/4	31,135	1/4	19,134	1/4	7,048	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	66,941	1/2	54,853	1/2	42,764	1/2	30,890	1/2	18,883	1/2	6,796	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	66,689	3/4	54,601	3/4	42,513	3/4	30,646	3/4	18,631	3/4	6,545	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	66,437	11	54,349	11	42,261	11	30,401	11	18,379	11	6,294	11		11	11	11	11	11	11
1/4	66,185	1/4	54,097	1/4	42,009	1/4	30,157	1/4	18,127	1/4	6,043	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	65,934	1/2	53,845	1/2	41,757	1/2	29,912	1/2	17,875	1/2	5,793	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	65,682	3/4	53,594	3/4	41,505	3/4	29,668	3/4	17,623	3/4	5,542	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/05/2013 SW
CALCULATED: 12/06/2013 CL
PRINTED: 12/07/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2013

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



BARGE "CBC 1370"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08"

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	151,538	0	143,659	0	133,002	0	122,325	0	111,610	0	100,894	0	90,178	0	79,462
1/4	1/4	1/4	1/4	1/4	151,523	1/4	143,437	1/4	132,780	1/4	122,102	1/4	111,386	1/4	100,671	1/4	89,955	1/4	79,238
1/2	1/2	1/2	1/2	1/2	151,507	1/2	143,215	1/2	132,558	1/2	121,879	1/2	111,163	1/2	100,447	1/2	89,732	1/2	79,015
3/4	3/4	3/4	3/4	3/4	151,492	3/4	142,993	3/4	132,336	3/4	121,656	3/4	110,940	3/4	100,224	3/4	89,508	3/4	78,792
1		1		1	151,477	1	142,771	1	132,114	1	121,432	1	110,717	1	100,001	1	89,285	1	78,569
1/4	1/4	1/4	1/4	1/4	151,424	1/4	142,549	1/4	131,892	1/4	121,209	1/4	110,493	1/4	99,778	1/4	89,062	1/4	78,345
1/2	1/2	1/2	1/2	1/2	151,372	1/2	142,327	1/2	131,670	1/2	120,986	1/2	110,270	1/2	99,554	1/2	88,839	1/2	78,122
3/4	3/4	3/4	3/4	3/4	151,319	3/4	142,105	3/4	131,448	3/4	120,763	3/4	110,047	3/4	99,331	3/4	88,615	3/4	77,899
2		2		2	151,267	2	141,883	2	131,226	2	120,539	2	109,824	2	99,108	2	88,392	2	77,675
1/4	1/4	1/4	1/4	1/4	151,177	1/4	141,661	1/4	131,004	1/4	120,316	1/4	109,600	1/4	98,885	1/4	88,169	1/4	77,452
1/2	1/2	1/2	1/2	1/2	151,087	1/2	141,439	1/2	130,782	1/2	120,093	1/2	109,377	1/2	98,661	1/2	87,946	1/2	77,229
3/4	3/4	3/4	3/4	3/4	150,998	3/4	141,217	3/4	130,560	3/4	119,870	3/4	109,154	3/4	98,438	3/4	87,722	3/4	77,006
3		3		3	150,908	3	140,995	3	130,338	3	119,646	3	108,931	3	98,215	3	87,499	3	76,782
1/4	1/4	1/4	1/4	1/4	150,781	1/4	140,773	1/4	130,116	1/4	119,423	1/4	108,707	1/4	97,992	1/4	87,276	1/4	76,559
1/2	1/2	1/2	1/2	1/2	150,654	1/2	140,551	1/2	129,894	1/2	119,200	1/2	108,484	1/2	97,768	1/2	87,053	1/2	76,336
3/4	3/4	3/4	3/4	3/4	150,527	3/4	140,329	3/4	129,672	3/4	118,977	3/4	108,261	3/4	97,545	3/4	86,829	3/4	76,112
4		4		4	150,400	4	140,107	4	129,450	4	118,753	4	108,038	4	97,322	4	86,606	4	75,889
1/4	1/4	1/4	1/4	1/4	150,236	1/4	139,885	1/4	129,228	1/4	118,530	1/4	107,814	1/4	97,099	1/4	86,383	1/4	75,666
1/2	1/2	1/2	1/2	1/2	150,072	1/2	139,663	1/2	129,006	1/2	118,307	1/2	107,591	1/2	96,875	1/2	86,160	1/2	75,443
3/4	3/4	3/4	3/4	3/4	149,908	3/4	139,440	3/4	128,784	3/4	118,084	3/4	107,368	3/4	96,652	3/4	85,936	3/4	75,219
5		5		5	149,744	5	139,218	5	128,561	5	117,860	5	107,145	5	96,429	5	85,713	5	74,996
1/4	1/4	1/4	1/4	1/4	149,542	1/4	138,996	1/4	128,339	1/4	117,637	1/4	106,921	1/4	96,206	1/4	85,490	1/4	74,773
1/2	1/2	1/2	1/2	1/2	149,341	1/2	138,774	1/2	128,117	1/2	117,414	1/2	106,698	1/2	95,982	1/2	85,267	1/2	74,549
3/4	3/4	3/4	3/4	3/4	149,140	3/4	138,552	3/4	127,895	3/4	117,191	3/4	106,475	3/4	95,759	3/4	85,043	3/4	74,326
6		6		6	148,938	6	138,330	6	127,673	6	116,967	6	106,252	6	95,536	6	84,820	6	74,103
1/4	1/4	1/4	1/4	1/4	148,718	1/4	138,108	1/4	127,451	1/4	116,744	1/4	106,028	1/4	95,313	1/4	84,597	1/4	73,880
1/2	1/2	1/2	1/2	1/2	148,498	1/2	137,886	1/2	127,229	1/2	116,521	1/2	105,805	1/2	95,089	1/2	84,374	1/2	73,656
3/4	3/4	3/4	3/4	3/4	148,278	3/4	137,664	3/4	127,007	3/4	116,298	3/4	105,582	3/4	94,866	3/4	84,150	3/4	73,433
7		7		7	148,058	7	137,442	7	126,785	7	116,074	7	105,359	7	94,643	7	83,927	7	73,210
1/4	1/4	1/4	1/4	1/4	147,838	1/4	137,220	1/4	126,563	1/4	115,851	1/4	105,135	1/4	94,420	1/4	83,704	1/4	72,986
1/2	1/2	1/2	1/2	1/2	147,618	1/2	136,998	1/2	126,341	1/2	115,628	1/2	104,912	1/2	94,196	1/2	83,481	1/2	72,763
3/4	3/4	3/4	3/4	3/4	147,398	3/4	136,776	3/4	126,119	3/4	115,405	3/4	104,689	3/4	93,973	3/4	83,257	3/4	72,540
8		8		8	147,178	8	136,554	8	125,897	8	115,181	8	104,466	8	93,750	8	83,034	8	72,317
1/4	1/4	1/4	1/4	1/4	146,958	1/4	136,332	1/4	125,674	1/4	114,958	1/4	104,242	1/4	93,527	1/4	82,811	1/4	72,093
1/2	1/2	1/2	1/2	1/2	146,738	1/2	136,110	1/2	125,451	1/2	114,735	1/2	104,019	1/2	93,303	1/2	82,588	1/2	71,870
3/4	3/4	3/4	3/4	3/4	146,518	3/4	135,888	3/4	125,227	3/4	114,512	3/4	103,796	3/4	93,080	3/4	82,364	3/4	71,647
9		9		9	146,299	9	135,666	9	125,004	9	114,288	9	103,573	9	92,857	9	82,141	9	71,424
1/4	1/4	1/4	1/4	1/4	146,079	1/4	135,444	1/4	124,781	1/4	114,065	1/4	103,349	1/4	92,634	1/4	81,918	1/4	71,200
1/2	1/2	1/2	1/2	1/2	145,859	1/2	135,222	1/2	124,558	1/2	113,842	1/2	103,126	1/2	92,410	1/2	81,695	1/2	70,977
3/4	3/4	3/4	3/4	3/4	145,639	3/4	135,000	3/4	124,335	3/4	113,619	3/4	102,903	3/4	92,187	3/4	81,471	3/4	70,754
10		10		10	145,419	10	134,778	10	124,111	10	113,396	10	102,680	10	91,964	10	81,248	10	70,530
1/4	1/4	1/4	1/4	1/4	145,199	1/4	134,556	1/4	123,888	1/4	113,172	1/4	102,457	1/4	91,741	1/4	81,025	1/4	70,307
1/2	1/2	1/2	1/2	1/2	144,979	1/2	134,334	1/2	123,665	1/2	112,949	1/2	102,233	1/2	91,518	1/2	80,801	1/2	70,084
3/4	3/4	3/4	3/4	3/4	144,759	3/4	134,112	3/4	123,442	3/4	112,726	3/4	102,010	3/4	91,294	3/4	80,578	3/4	69,861
11		11		11	144,539	11	133,890	11	123,218	11	112,503	11	101,787	11	91,071	11	80,355	11	69,637
1/4	1/4	1/4	1/4	1/4	144,319	1/4	133,668	1/4	122,995	1/4	112,279	1/4	101,564	1/4	90,848	1/4	80,132	1/4	69,414
1/2	1/2	1/2	1/2	1/2	144,099	1/2	133,446	1/2	122,772	1/2	112,056	1/2	101,340	1/2	90,625	1/2	79,908	1/2	69,191
3/4	3/4	3/4	3/4	3/4	143,879	3/4	133,224	3/4	122,549	3/4	111,833	3/4	101,117	3/4	90,401	3/4	79,685	3/4	68,967

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'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 1370"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08"

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	68,744	0	58,027	0	47,309	0	36,591	0	25,897	0	15,182	0	4,474	0		0		0	
1/4	68,521	1/4	57,803	1/4	47,086	1/4	36,368	1/4	25,674	1/4	14,959	1/4	4,253	1/4	1/4		1/4		1/4
1/2	68,298	1/2	57,580	1/2	46,862	1/2	36,145	1/2	25,451	1/2	14,736	1/2	4,033	1/2	1/2		1/2		1/2
3/4	68,074	3/4	57,357	3/4	46,639	3/4	35,922	3/4	25,228	3/4	14,513	3/4	3,812	3/4	3/4		3/4		3/4
1	67,851	1	57,133	1	46,416	1	35,698	1	25,005	1	14,289	1	3,591	1	1		1		1
1/4	67,628	1/4	56,910	1/4	46,193	1/4	35,475	1/4	24,782	1/4	14,066	1/4	3,372	1/4	1/4		1/4		1/4
1/2	67,404	1/2	56,687	1/2	45,969	1/2	35,252	1/2	24,559	1/2	13,843	1/2	3,153	1/2	1/2		1/2		1/2
3/4	67,181	3/4	56,464	3/4	45,746	3/4	35,028	3/4	24,336	3/4	13,620	3/4	2,935	3/4	3/4		3/4		3/4
2	66,958	2	56,240	2	45,523	2	34,805	2	24,113	2	13,396	2	2,716	2	2		2		2
1/4	66,735	1/4	56,017	1/4	45,299	1/4	34,582	1/4	23,890	1/4	13,173	1/4	2,512	1/4	1/4		1/4		1/4
1/2	66,511	1/2	55,794	1/2	45,076	1/2	34,359	1/2	23,667	1/2	12,950	1/2	2,308	1/2	1/2		1/2		1/2
3/4	66,288	3/4	55,570	3/4	44,853	3/4	34,135	3/4	23,444	3/4	12,726	3/4	2,104	3/4	3/4		3/4		3/4
3	66,065	3	55,347	3	44,630	3	33,912	3	23,220	3	12,503	3	1,899	3	3		3		3
1/4	65,841	1/4	55,124	1/4	44,406	1/4	33,689	1/4	22,997	1/4	12,280	1/4	1,732	1/4	1/4		1/4		1/4
1/2	65,618	1/2	54,901	1/2	44,183	1/2	33,465	1/2	22,774	1/2	12,057	1/2	1,565	1/2	1/2		1/2		1/2
3/4	65,395	3/4	54,677	3/4	43,960	3/4	33,242	3/4	22,551	3/4	11,833	3/4	1,397	3/4	3/4		3/4		3/4
4	65,172	4	54,454	4	43,736	4	33,019	4	22,327	4	11,610	4	1,230	4	4		4		4
1/4	64,948	1/4	54,231	1/4	43,513	1/4	32,796	1/4	22,104	1/4	11,387	1/4	1,099	1/4	1/4		1/4		1/4
1/2	64,725	1/2	54,007	1/2	43,290	1/2	32,574	1/2	21,881	1/2	11,164	1/2	969	1/2	1/2		1/2		1/2
3/4	64,502	3/4	53,784	3/4	43,067	3/4	32,351	3/4	21,657	3/4	10,940	3/4	839	3/4	3/4		3/4		3/4
5	64,278	5	53,561	5	42,843	5	32,129	5	21,434	5	10,717	5	709	5	5		5		5
1/4	64,055	1/4	53,338	1/4	42,620	1/4	31,906	1/4	21,211	1/4	10,494	1/4	616	1/4	1/4		1/4		1/4
1/2	63,832	1/2	53,114	1/2	42,397	1/2	31,683	1/2	20,988	1/2	10,270	1/2	523	1/2	1/2		1/2		1/2
3/4	63,609	3/4	52,891	3/4	42,173	3/4	31,461	3/4	20,764	3/4	10,047	3/4	430	3/4	3/4		3/4		3/4
6	63,385	6	52,668	6	41,950	6	31,238	6	20,541	6	9,824	6	337	6	6		6		6
1/4	63,162	1/4	52,444	1/4	41,727	1/4	31,016	1/4	20,318	1/4	9,601	1/4	281	1/4	1/4		1/4		1/4
1/2	62,939	1/2	52,221	1/2	41,504	1/2	30,793	1/2	20,095	1/2	9,377	1/2	225	1/2	1/2		1/2		1/2
3/4	62,715	3/4	51,998	3/4	41,280	3/4	30,571	3/4	19,871	3/4	9,154	3/4	169	3/4	3/4		3/4		3/4
7	62,492	7	51,775	7	41,057	7	30,348	7	19,648	7	8,931	7	113	7	7		7		7
1/4	62,269	1/4	51,551	1/4	40,834	1/4	30,126	1/4	19,425	1/4	8,708	1/4	95	1/4	1/4		1/4		1/4
1/2	62,046	1/2	51,328	1/2	40,610	1/2	29,903	1/2	19,201	1/2	8,484	1/2	76	1/2	1/2		1/2		1/2
3/4	61,822	3/4	51,105	3/4	40,387	3/4	29,680	3/4	18,978	3/4	8,261	3/4	58	3/4	3/4		3/4		3/4
8	61,599	8	50,882	8	40,164	8	29,458	8	18,755	8	8,038	8	39	8	8		8		8
1/4	61,376	1/4	50,658	1/4	39,941	1/4	29,235	1/4	18,532	1/4	7,814	1/4		1/4	1/4		1/4		1/4
1/2	61,153	1/2	50,435	1/2	39,717	1/2	29,013	1/2	18,308	1/2	7,591	1/2		1/2	1/2		1/2		1/2
3/4	60,929	3/4	50,212	3/4	39,494	3/4	28,790	3/4	18,085	3/4	7,368	3/4		3/4	3/4		3/4		3/4
9	60,706	9	49,988	9	39,271	9	28,568	9	17,862	9	7,145	9		9	9		9		9
1/4	60,483	1/4	49,765	1/4	39,048	1/4	28,345	1/4	17,639	1/4	6,922	1/4		1/4	1/4		1/4		1/4
1/2	60,259	1/2	49,542	1/2	38,824	1/2	28,122	1/2	17,415	1/2	6,699	1/2		1/2	1/2		1/2		1/2
3/4	60,036	3/4	49,319	3/4	38,601	3/4	27,900	3/4	17,192	3/4	6,475	3/4		3/4	3/4		3/4		3/4
10	59,813	10	49,095	10	38,378	10	27,677	10	16,969	10	6,252	10		10	10		10		10
1/4	59,590	1/4	48,872	1/4	38,154	1/4	27,455	1/4	16,745	1/4	6,030	1/4		1/4	1/4		1/4		1/4
1/2	59,366	1/2	48,649	1/2	37,931	1/2	27,232	1/2	16,522	1/2	5,807	1/2		1/2	1/2		1/2		1/2
3/4	59,143	3/4	48,425	3/4	37,708	3/4	27,010	3/4	16,299	3/4	5,584	3/4		3/4	3/4		3/4		3/4
11	58,920	11	48,202	11	37,485	11	26,787	11	16,076	11	5,362	11		11	11		11		11
1/4	58,696	1/4	47,979	1/4	37,261	1/4	26,564	1/4	15,852	1/4	5,140	1/4		1/4	1/4		1/4		1/4
1/2	58,473	1/2	47,756	1/2	37,038	1/2	26,342	1/2	15,629	1/2	4,918	1/2		1/2	1/2		1/2		1/2
3/4	58,250	3/4	47,532	3/4	36,815	3/4	26,119	3/4	15,406	3/4	4,696	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/05/2013 SW
CALCULATED: 12/06/2013 CL
PRINTED: 12/07/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2013

PRECISION MEASUREMENT
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