



BARGE "CBC 1357"

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	- 00-1/8	00-1/8	- 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	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-0/8	- 01-0/8	01-1/4	- 01-1/4

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 3 CENTER IS - 00-3/8"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 3 CENTER, THE TRIM CORRECTED INNAGE IS 3'-11 5/8"

LENGTH BETWEEN DRAFT MARKS: 161'-09"

January 18, 2013

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

<http://www.pmacorp.net>



BARGE "CBC 1357"

1 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	8,104	0	18,909	0	29,563	0	40,248	0	51,025	0	61,802	0	72,556	0	83,312	0	94,093
1/4	58	1/4	8,329	1/4	19,134	1/4	29,782	1/4	40,472	1/4	51,249	1/4	62,027	1/4	72,779	1/4	83,537	1/4	94,317
1/2	77	1/2	8,554	1/2	19,359	1/2	30,001	1/2	40,697	1/2	51,474	1/2	62,251	1/2	73,003	1/2	83,761	1/2	94,542
3/4	96	3/4	8,779	3/4	19,584	3/4	30,220	3/4	40,921	3/4	51,698	3/4	62,476	3/4	73,226	3/4	83,986	3/4	94,767
1	114	1	9,004	1	19,809	1	30,438	1	41,146	1	51,923	1	62,700	1	73,449	1	84,211	1	94,991
1/4	171	1/4	9,229	1/4	20,034	1/4	30,657	1/4	41,370	1/4	52,148	1/4	62,925	1/4	73,672	1/4	84,435	1/4	95,216
1/2	227	1/2	9,454	1/2	20,259	1/2	30,876	1/2	41,595	1/2	52,372	1/2	63,149	1/2	73,895	1/2	84,660	1/2	95,440
3/4	283	3/4	9,679	3/4	20,485	3/4	31,094	3/4	41,819	3/4	52,597	3/4	63,374	3/4	74,118	3/4	84,884	3/4	95,665
2	340	2	9,904	2	20,710	2	31,313	2	42,044	2	52,821	2	63,598	2	74,342	2	85,109	2	95,890
1/4	433	1/4	10,130	1/4	20,935	1/4	31,532	1/4	42,268	1/4	53,046	1/4	63,823	1/4	74,565	1/4	85,334	1/4	96,114
1/2	527	1/2	10,355	1/2	21,160	1/2	31,751	1/2	42,493	1/2	53,270	1/2	64,047	1/2	74,788	1/2	85,558	1/2	96,339
3/4	621	3/4	10,580	3/4	21,385	3/4	31,969	3/4	42,717	3/4	53,495	3/4	64,272	3/4	75,011	3/4	85,783	3/4	96,563
3	715	3	10,805	3	21,610	3	32,188	3	42,942	3	53,719	3	64,497	3	75,234	3	86,007	3	96,788
1/4	846	1/4	11,030	1/4	21,835	1/4	32,407	1/4	43,166	1/4	53,944	1/4	64,721	1/4	75,458	1/4	86,232	1/4	97,013
1/2	977	1/2	11,255	1/2	22,060	1/2	32,625	1/2	43,391	1/2	54,168	1/2	64,946	1/2	75,681	1/2	86,457	1/2	97,237
3/4	1,109	3/4	11,480	3/4	22,285	3/4	32,844	3/4	43,616	3/4	54,393	3/4	65,170	3/4	75,904	3/4	86,681	3/4	97,462
4	1,240	4	11,705	4	22,511	4	33,063	4	43,840	4	54,617	4	65,395	4	76,127	4	86,906	4	97,686
1/4	1,409	1/4	11,930	1/4	22,736	1/4	33,287	1/4	44,065	1/4	54,842	1/4	65,619	1/4	76,351	1/4	87,130	1/4	97,911
1/2	1,577	1/2	12,156	1/2	22,961	1/2	33,512	1/2	44,289	1/2	55,066	1/2	65,844	1/2	76,575	1/2	87,355	1/2	98,135
3/4	1,746	3/4	12,381	3/4	23,186	3/4	33,736	3/4	44,514	3/4	55,291	3/4	66,068	3/4	76,799	3/4	87,579	3/4	98,360
5	1,915	5	12,606	5	23,411	5	33,961	5	44,738	5	55,515	5	66,293	5	77,023	5	87,804	5	98,585
1/4	2,121	1/4	12,831	1/4	23,636	1/4	34,185	1/4	44,963	1/4	55,740	1/4	66,517	1/4	77,247	1/4	88,029	1/4	98,809
1/2	2,326	1/2	13,056	1/2	23,861	1/2	34,410	1/2	45,187	1/2	55,965	1/2	66,742	1/2	77,472	1/2	88,253	1/2	99,034
3/4	2,532	3/4	13,281	3/4	24,086	3/4	34,634	3/4	45,412	3/4	56,189	3/4	66,966	3/4	77,696	3/4	88,478	3/4	99,258
6	2,738	6	13,506	6	24,311	6	34,859	6	45,636	6	56,414	6	67,191	6	77,921	6	88,702	6	99,483
1/4	2,959	1/4	13,731	1/4	24,531	1/4	35,084	1/4	45,861	1/4	56,638	1/4	67,415	1/4	78,146	1/4	88,927	1/4	99,708
1/2	3,179	1/2	13,956	1/2	24,750	1/2	35,308	1/2	46,085	1/2	56,863	1/2	67,639	1/2	78,370	1/2	89,152	1/2	99,932
3/4	3,400	3/4	14,182	3/4	24,969	3/4	35,533	3/4	46,310	3/4	57,087	3/4	67,863	3/4	78,595	3/4	89,376	3/4	100,157
7	3,620	7	14,407	7	25,188	7	35,757	7	46,534	7	57,312	7	68,087	7	78,820	7	89,601	7	100,381
1/4	3,843	1/4	14,632	1/4	25,407	1/4	35,982	1/4	46,759	1/4	57,536	1/4	68,311	1/4	79,044	1/4	89,825	1/4	100,606
1/2	4,066	1/2	14,857	1/2	25,626	1/2	36,206	1/2	46,983	1/2	57,761	1/2	68,534	1/2	79,269	1/2	90,050	1/2	100,831
3/4	4,288	3/4	15,082	3/4	25,845	3/4	36,431	3/4	47,208	3/4	57,985	3/4	68,758	3/4	79,493	3/4	90,275	3/4	101,055
8	4,511	8	15,307	8	26,064	8	36,655	8	47,432	8	58,210	8	68,982	8	79,718	8	90,499	8	101,280
1/4	4,734	1/4	15,532	1/4	26,283	1/4	36,880	1/4	47,657	1/4	58,434	1/4	69,206	1/4	79,943	1/4	90,724	1/4	101,504
1/2	4,958	1/2	15,757	1/2	26,502	1/2	37,104	1/2	47,882	1/2	58,659	1/2	69,430	1/2	80,167	1/2	90,948	1/2	101,729
3/4	5,182	3/4	15,982	3/4	26,720	3/4	37,329	3/4	48,106	3/4	58,883	3/4	69,654	3/4	80,392	3/4	91,173	3/4	101,954
9	5,406	9	16,208	9	26,939	9	37,553	9	48,331	9	59,108	9	69,878	9	80,617	9	91,398	9	102,178
1/4	5,630	1/4	16,433	1/4	27,158	1/4	37,778	1/4	48,555	1/4	59,332	1/4	70,101	1/4	80,841	1/4	91,622	1/4	102,403
1/2	5,855	1/2	16,658	1/2	27,376	1/2	38,002	1/2	48,780	1/2	59,557	1/2	70,324	1/2	81,066	1/2	91,847	1/2	102,627
3/4	6,079	3/4	16,883	3/4	27,595	3/4	38,227	3/4	49,004	3/4	59,781	3/4	70,548	3/4	81,290	3/4	92,071	3/4	102,852
10	6,304	10	17,108	10	27,814	10	38,451	10	49,229	10	60,006	10	70,771	10	81,515	10	92,296	10	103,077
1/4	6,529	1/4	17,333	1/4	28,033	1/4	38,676	1/4	49,453	1/4	60,231	1/4	70,994	1/4	81,740	1/4	92,521	1/4	103,301
1/2	6,753	1/2	17,558	1/2	28,251	1/2	38,900	1/2	49,678	1/2	60,455	1/2	71,217	1/2	81,964	1/2	92,745	1/2	103,526
3/4	6,978	3/4	17,783	3/4	28,470	3/4	39,125	3/4	49,902	3/4	60,680	3/4	71,440	3/4	82,189	3/4	92,970	3/4	103,750
11	7,203	11	18,008	11	28,689	11	39,350	11	50,127	11	60,904	11	71,664	11	82,414	11	93,194	11	103,975
1/4	7,428	1/4	18,234	1/4	28,907	1/4	39,574	1/4	50,351	1/4	61,129	1/4	71,887	1/4	82,638	1/4	93,419	1/4	104,200
1/2	7,653	1/2	18,459	1/2	29,126	1/2	39,799	1/2	50,576	1/2	61,353	1/2	72,110	1/2	82,863	1/2	93,644	1/2	104,424
3/4	7,878	3/4	18,684	3/4	29,345	3/4	40,023	3/4	50,800	3/4	61,578	3/4	72,333	3/4	83,088	3/4	93,868	3/4	104,649

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 1357"

1 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	104,873	0	114,990	0	124,464	0	133,896	0	143,312	0		0		0		0		0	
1/4	105,098	1/4	115,187	1/4	124,661	1/4	134,093	1/4	143,506	1/4		1/4		1/4		1/4		1/4	
1/2	105,322	1/2	115,384	1/2	124,857	1/2	134,290	1/2	143,701	1/2		1/2		1/2		1/2		1/2	
3/4	105,546	3/4	115,582	3/4	125,054	3/4	134,486	3/4	143,896	3/4		3/4		3/4		3/4		3/4	
1	105,771	1	115,779	1	125,251	1	134,683	1	144,091	1		1		1		1		1	
1/4	105,995	1/4	115,976	1/4	125,448	1/4	134,880	1/4	144,286	1/4		1/4		1/4		1/4		1/4	
1/2	106,219	1/2	116,174	1/2	125,645	1/2	135,077	1/2	144,480	1/2		1/2		1/2		1/2		1/2	
3/4	106,444	3/4	116,371	3/4	125,842	3/4	135,274	3/4	144,675	3/4		3/4		3/4		3/4		3/4	
2	106,668	2	116,569	2	126,039	2	135,471	2	144,870	2		2		2		2		2	
1/4	106,893	1/4	116,766	1/4	126,235	1/4	135,668	1/4	145,074	1/4		1/4		1/4		1/4		1/4	
1/2	107,117	1/2	116,963	1/2	126,432	1/2	135,864	1/2	145,277	1/2		1/2		1/2		1/2		1/2	
3/4	107,341	3/4	117,161	3/4	126,629	3/4	136,061	3/4	145,481	3/4		3/4		3/4		3/4		3/4	
3	107,566	3	117,358	3	126,826	3	136,258	3	145,685	3		3		3		3		3	
1/4	107,790	1/4	117,556	1/4	127,023	1/4	136,455	1/4	145,851	1/4		1/4		1/4		1/4		1/4	
1/2	108,014	1/2	117,753	1/2	127,220	1/2	136,652	1/2	146,017	1/2		1/2		1/2		1/2		1/2	
3/4	108,239	3/4	117,950	3/4	127,417	3/4	136,849	3/4	146,183	3/4		3/4		3/4		3/4		3/4	
4	108,463	4	118,148	4	127,613	4	137,046	4	146,349	4		4		4		4		4	
1/4	108,687	1/4	118,345	1/4	127,810	1/4	137,242	1/4	146,478	1/4		1/4		1/4		1/4		1/4	
1/2	108,912	1/2	118,542	1/2	128,007	1/2	137,439	1/2	146,607	1/2		1/2		1/2		1/2		1/2	
3/4	109,136	3/4	118,740	3/4	128,204	3/4	137,636	3/4	146,735	3/4		3/4		3/4		3/4		3/4	
5	109,360	5	118,937	5	128,401	5	137,833	5	146,864	5		5		5		5		5	
1/4	109,585	1/4	119,135	1/4	128,598	1/4	138,030	1/4	146,955	1/4		1/4		1/4		1/4		1/4	
1/2	109,809	1/2	119,332	1/2	128,795	1/2	138,227	1/2	147,046	1/2		1/2		1/2		1/2		1/2	
3/4	110,033	3/4	119,529	3/4	128,991	3/4	138,423	3/4	147,137	3/4		3/4		3/4		3/4		3/4	
6	110,258	6	119,727	6	129,188	6	138,620	6	147,228	6		6		6		6		6	
1/4	110,455	1/4	119,924	1/4	129,384	1/4	138,817	1/4	147,282	1/4		1/4		1/4		1/4		1/4	
1/2	110,652	1/2	120,121	1/2	129,581	1/2	139,014	1/2	147,336	1/2		1/2		1/2		1/2		1/2	
3/4	110,849	3/4	120,319	3/4	129,777	3/4	139,211	3/4	147,389	3/4		3/4		3/4		3/4		3/4	
7	111,046	7	120,516	7	129,973	7	139,408	7	147,443	7		7		7		7		7	
1/4	111,244	1/4	120,714	1/4	130,169	1/4	139,605	1/4	147,459	1/4		1/4		1/4		1/4		1/4	
1/2	111,441	1/2	120,911	1/2	130,365	1/2	139,801	1/2	147,475	1/2		1/2		1/2		1/2		1/2	
3/4	111,638	3/4	121,108	3/4	130,561	3/4	139,998	3/4	147,491	3/4		3/4		3/4		3/4		3/4	
8	111,835	8	121,306	8	130,757	8	140,195	8	147,507	8		8		8		8		8	
1/4	112,032	1/4	121,503	1/4	130,954	1/4	140,390	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	112,229	1/2	121,700	1/2	131,150	1/2	140,585	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	112,426	3/4	121,898	3/4	131,346	3/4	140,779	3/4		3/4		3/4		3/4		3/4		3/4	
9	112,624	9	122,095	9	131,542	9	140,974	9		9		9		9		9		9	
1/4	112,821	1/4	122,293	1/4	131,738	1/4	141,169	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	113,018	1/2	122,490	1/2	131,934	1/2	141,364	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	113,215	3/4	122,687	3/4	132,131	3/4	141,559	3/4		3/4		3/4		3/4		3/4		3/4	
10	113,412	10	122,885	10	132,327	10	141,753	10		10		10		10		10		10	
1/4	113,609	1/4	123,082	1/4	132,523	1/4	141,948	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	113,807	1/2	123,279	1/2	132,719	1/2	142,143	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	114,004	3/4	123,477	3/4	132,915	3/4	142,338	3/4		3/4		3/4		3/4		3/4		3/4	
11	114,201	11	123,674	11	133,111	11	142,533	11		11		11		11		11		11	
1/4	114,398	1/4	123,872	1/4	133,307	1/4	142,727	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	114,595	1/2	124,069	1/2	133,504	1/2	142,922	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	114,792	3/4	124,266	3/4	133,700	3/4	143,117	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/18/2013 CL - SW
CALCULATED: 01/18/2013 CL
PRINTED: 01/19/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 1357"

2 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	9,035	0	21,089	0	32,995	0	44,902	0	56,956	0	69,010	0	81,064	0	93,117	0	105,169
1/4	60	1/4	9,286	1/4	21,340	1/4	33,239	1/4	45,154	1/4	57,207	1/4	69,261	1/4	81,315	1/4	93,368	1/4	105,420
1/2	81	1/2	9,537	1/2	21,591	1/2	33,483	1/2	45,405	1/2	57,458	1/2	69,512	1/2	81,566	1/2	93,619	1/2	105,671
3/4	102	3/4	9,789	3/4	21,842	3/4	33,726	3/4	45,656	3/4	57,709	3/4	69,763	3/4	81,817	3/4	93,870	3/4	105,922
1	123	1	10,040	1	22,093	1	33,970	1	45,907	1	57,961	1	70,014	1	82,068	1	94,122	1	106,173
1/4	186	1/4	10,291	1/4	22,344	1/4	34,214	1/4	46,158	1/4	58,212	1/4	70,265	1/4	82,319	1/4	94,373	1/4	106,424
1/2	248	1/2	10,542	1/2	22,595	1/2	34,458	1/2	46,409	1/2	58,463	1/2	70,517	1/2	82,570	1/2	94,624	1/2	106,675
3/4	311	3/4	10,793	3/4	22,846	3/4	34,701	3/4	46,660	3/4	58,714	3/4	70,768	3/4	82,821	3/4	94,875	3/4	106,926
2	374	2	11,044	2	23,097	2	34,945	2	46,911	2	58,965	2	71,019	2	83,072	2	95,126	2	107,177
1/4	479	1/4	11,295	1/4	23,349	1/4	35,189	1/4	47,162	1/4	59,216	1/4	71,270	1/4	83,324	1/4	95,377	1/4	107,429
1/2	583	1/2	11,546	1/2	23,600	1/2	35,432	1/2	47,414	1/2	59,467	1/2	71,521	1/2	83,575	1/2	95,628	1/2	107,680
3/4	688	3/4	11,797	3/4	23,851	3/4	35,676	3/4	47,665	3/4	59,718	3/4	71,772	3/4	83,826	3/4	95,879	3/4	107,931
3	792	3	12,049	3	24,102	3	35,920	3	47,916	3	59,970	3	72,023	3	84,077	3	96,130	3	108,182
1/4	939	1/4	12,300	1/4	24,353	1/4	36,164	1/4	48,167	1/4	60,221	1/4	72,274	1/4	84,328	1/4	96,381	1/4	108,433
1/2	1,085	1/2	12,551	1/2	24,604	1/2	36,407	1/2	48,418	1/2	60,472	1/2	72,525	1/2	84,579	1/2	96,632	1/2	108,684
3/4	1,232	3/4	12,802	3/4	24,855	3/4	36,651	3/4	48,669	3/4	60,723	3/4	72,777	3/4	84,830	3/4	96,883	3/4	108,935
4	1,378	4	13,053	4	25,106	4	36,895	4	48,920	4	60,974	4	73,028	4	85,081	4	97,134	4	109,186
1/4	1,567	1/4	13,304	1/4	25,357	1/4	37,139	1/4	49,171	1/4	61,225	1/4	73,279	1/4	85,333	1/4	97,386	1/4	109,437
1/2	1,755	1/2	13,555	1/2	25,608	1/2	37,383	1/2	49,423	1/2	61,476	1/2	73,530	1/2	85,584	1/2	97,637	1/2	109,688
3/4	1,943	3/4	13,806	3/4	25,860	3/4	37,627	3/4	49,674	3/4	61,727	3/4	73,781	3/4	85,835	3/4	97,888	3/4	109,939
5	2,132	5	14,057	5	26,111	5	37,871	5	49,925	5	61,978	5	74,032	5	86,086	5	98,139	5	110,190
1/4	2,361	1/4	14,309	1/4	26,362	1/4	38,122	1/4	50,176	1/4	62,230	1/4	74,283	1/4	86,337	1/4	98,390	1/4	110,441
1/2	2,591	1/2	14,560	1/2	26,613	1/2	38,373	1/2	50,427	1/2	62,481	1/2	74,534	1/2	86,588	1/2	98,641	1/2	110,693
3/4	2,820	3/4	14,811	3/4	26,864	3/4	38,624	3/4	50,678	3/4	62,732	3/4	74,786	3/4	86,839	3/4	98,892	3/4	110,944
6	3,050	6	15,062	6	27,115	6	38,876	6	50,929	6	62,983	6	75,037	6	87,090	6	99,143	6	111,195
1/4	3,296	1/4	15,313	1/4	27,366	1/4	39,127	1/4	51,180	1/4	63,234	1/4	75,288	1/4	87,342	1/4	99,394	1/4	111,446
1/2	3,542	1/2	15,564	1/2	27,617	1/2	39,378	1/2	51,431	1/2	63,485	1/2	75,539	1/2	87,593	1/2	99,645	1/2	111,697
3/4	3,788	3/4	15,815	3/4	27,868	3/4	39,629	3/4	51,683	3/4	63,736	3/4	75,790	3/4	87,844	3/4	99,896	3/4	111,948
7	4,034	7	16,066	7	28,120	7	39,880	7	51,934	7	63,987	7	76,041	7	88,095	7	100,147	7	112,199
1/4	4,283	1/4	16,317	1/4	28,364	1/4	40,131	1/4	52,185	1/4	64,239	1/4	76,292	1/4	88,346	1/4	100,398	1/4	112,450
1/2	4,531	1/2	16,569	1/2	28,608	1/2	40,382	1/2	52,436	1/2	64,490	1/2	76,543	1/2	88,597	1/2	100,650	1/2	112,701
3/4	4,779	3/4	16,820	3/4	28,852	3/4	40,633	3/4	52,687	3/4	64,741	3/4	76,795	3/4	88,848	3/4	100,901	3/4	112,952
8	5,027	8	17,071	8	29,096	8	40,884	8	52,938	8	64,992	8	77,046	8	89,099	8	101,152	8	113,203
1/4	5,277	1/4	17,322	1/4	29,340	1/4	41,136	1/4	53,189	1/4	65,243	1/4	77,297	1/4	89,350	1/4	101,403	1/4	113,454
1/2	5,527	1/2	17,573	1/2	29,583	1/2	41,387	1/2	53,440	1/2	65,494	1/2	77,548	1/2	89,602	1/2	101,654	1/2	113,705
3/4	5,776	3/4	17,824	3/4	29,827	3/4	41,638	3/4	53,692	3/4	65,745	3/4	77,799	3/4	89,853	3/4	101,905	3/4	113,957
9	6,026	9	18,075	9	30,071	9	41,889	9	53,943	9	65,996	9	78,050	9	90,104	9	102,156	9	114,208
1/4	6,276	1/4	18,326	1/4	30,314	1/4	42,140	1/4	54,194	1/4	66,248	1/4	78,301	1/4	90,355	1/4	102,407	1/4	114,459
1/2	6,527	1/2	18,577	1/2	30,558	1/2	42,391	1/2	54,445	1/2	66,499	1/2	78,552	1/2	90,606	1/2	102,658	1/2	114,710
3/4	6,777	3/4	18,829	3/4	30,802	3/4	42,642	3/4	54,696	3/4	66,750	3/4	78,803	3/4	90,857	3/4	102,909	3/4	114,961
10	7,027	10	19,080	10	31,046	10	42,893	10	54,947	10	67,001	10	79,055	10	91,108	10	103,160	10	115,212
1/4	7,278	1/4	19,331	1/4	31,289	1/4	43,145	1/4	55,198	1/4	67,252	1/4	79,306	1/4	91,359	1/4	103,411	1/4	115,463
1/2	7,529	1/2	19,582	1/2	31,533	1/2	43,396	1/2	55,449	1/2	67,503	1/2	79,557	1/2	91,611	1/2	103,662	1/2	115,714
3/4	7,780	3/4	19,833	3/4	31,777	3/4	43,647	3/4	55,701	3/4	67,754	3/4	79,808	3/4	91,862	3/4	103,913	3/4	115,965
11	8,031	11	20,084	11	32,020	11	43,898	11	55,952	11	68,005	11	80,059	11	92,113	11	104,165	11	116,216
1/4	8,282	1/4	20,335	1/4	32,264	1/4	44,149	1/4	56,203	1/4	68,256	1/4	80,310	1/4	92,364	1/4	104,416	1/4	116,467
1/2	8,533	1/2	20,586	1/2	32,508	1/2	44,400	1/2	56,454	1/2	68,508	1/2	80,561	1/2	92,615	1/2	104,667	1/2	116,718
3/4	8,784	3/4	20,837	3/4	32,752	3/4	44,651	3/4	56,705	3/4	68,759	3/4	80,812	3/4	92,866	3/4	104,918	3/4	116,969

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 1357"

2 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	117,221	0	129,272	0	141,324	0	153,308	0	165,256	0		0		0		0		0	
1/4	117,472	1/4	129,523	1/4	141,573	1/4	153,558	1/4	165,504	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	117,723	1/2	129,774	1/2	141,823	1/2	153,808	1/2	165,751	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	117,974	3/4	130,025	3/4	142,073	3/4	154,057	3/4	165,998	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	118,225	1	130,276	1	142,323	1	154,307	1	166,246	1	1	1	1	1	1	1	1	1	1
1/4	118,476	1/4	130,528	1/4	142,572	1/4	154,557	1/4	166,493	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	118,727	1/2	130,779	1/2	142,822	1/2	154,807	1/2	166,740	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	118,978	3/4	131,030	3/4	143,072	3/4	155,056	3/4	166,988	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	119,229	2	131,281	2	143,321	2	155,306	2	167,235	2	2	2	2	2	2	2	2	2	2
1/4	119,480	1/4	131,532	1/4	143,571	1/4	155,556	1/4	167,462	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	119,731	1/2	131,783	1/2	143,821	1/2	155,805	1/2	167,688	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	119,982	3/4	132,034	3/4	144,070	3/4	156,055	3/4	167,914	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	120,233	3	132,285	3	144,320	3	156,305	3	168,141	3	3	3	3	3	3	3	3	3	3
1/4	120,484	1/4	132,536	1/4	144,570	1/4	156,554	1/4	168,325	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	120,736	1/2	132,787	1/2	144,819	1/2	156,804	1/2	168,510	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	120,987	3/4	133,038	3/4	145,069	3/4	157,054	3/4	168,695	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	121,238	4	133,289	4	145,319	4	157,303	4	168,879	4	4	4	4	4	4	4	4	4	4
1/4	121,489	1/4	133,540	1/4	145,568	1/4	157,553	1/4	169,022	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	121,740	1/2	133,792	1/2	145,818	1/2	157,803	1/2	169,165	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	121,991	3/4	134,043	3/4	146,068	3/4	158,052	3/4	169,307	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	122,242	5	134,294	5	146,317	5	158,302	5	169,450	5	5	5	5	5	5	5	5	5	5
1/4	122,493	1/4	134,545	1/4	146,567	1/4	158,552	1/4	169,551	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	122,744	1/2	134,796	1/2	146,817	1/2	158,801	1/2	169,652	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	122,995	3/4	135,047	3/4	147,066	3/4	159,051	3/4	169,753	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	123,246	6	135,298	6	147,316	6	159,301	6	169,854	6	6	6	6	6	6	6	6	6	6
1/4	123,497	1/4	135,549	1/4	147,566	1/4	159,550	1/4	169,913	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	123,748	1/2	135,800	1/2	147,815	1/2	159,800	1/2	169,972	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	124,000	3/4	136,051	3/4	148,065	3/4	160,050	3/4	170,031	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	124,251	7	136,302	7	148,315	7	160,299	7	170,090	7	7	7	7	7	7	7	7	7	7
1/4	124,502	1/4	136,553	1/4	148,565	1/4	160,549	1/4	170,107	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	124,753	1/2	136,804	1/2	148,814	1/2	160,799	1/2	170,124	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	125,004	3/4	137,056	3/4	149,064	3/4	161,048	3/4	170,141	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	125,255	8	137,307	8	149,314	8	161,298	8	170,159	8	8	8	8	8	8	8	8	8	8
1/4	125,506	1/4	137,558	1/4	149,563	1/4	161,546	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	125,757	1/2	137,809	1/2	149,813	1/2	161,793	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	126,008	3/4	138,060	3/4	150,063	3/4	162,040	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	126,259	9	138,311	9	150,312	9	162,288	9		9	9	9	9	9	9	9	9	9	9
1/4	126,510	1/4	138,562	1/4	150,562	1/4	162,535	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	126,761	1/2	138,813	1/2	150,812	1/2	162,782	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	127,012	3/4	139,064	3/4	151,061	3/4	163,030	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	127,264	10	139,315	10	151,311	10	163,277	10		10	10	10	10	10	10	10	10	10	10
1/4	127,515	1/4	139,566	1/4	151,561	1/4	163,525	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	127,766	1/2	139,817	1/2	151,810	1/2	163,772	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	128,017	3/4	140,068	3/4	152,060	3/4	164,019	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	128,268	11	140,319	11	152,310	11	164,267	11		11	11	11	11	11	11	11	11	11	11
1/4	128,519	1/4	140,571	1/4	152,559	1/4	164,514	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	128,770	1/2	140,822	1/2	152,809	1/2	164,761	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	129,021	3/4	141,073	3/4	153,059	3/4	165,009	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: 01/18/2013 CL - SW
CALCULATED: 01/18/2013 CL
PRINTED: 01/19/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2013

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



BARGE "CBC 1357"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	39	0	8,035	0	18,748	0	29,447	0	40,149	0	50,862	0	61,576	0	72,289	0	83,003	0	93,714
1/4	58	1/4	8,258	1/4	18,971	1/4	29,669	1/4	40,372	1/4	51,086	1/4	61,799	1/4	72,513	1/4	83,226	1/4	93,938
1/2	76	1/2	8,481	1/2	19,194	1/2	29,892	1/2	40,595	1/2	51,309	1/2	62,022	1/2	72,736	1/2	83,449	1/2	94,161
3/4	95	3/4	8,705	3/4	19,418	3/4	30,114	3/4	40,819	3/4	51,532	3/4	62,245	3/4	72,959	3/4	83,672	3/4	94,384
1	114	1	8,928	1	19,641	1	30,337	1	41,042	1	51,755	1	62,469	1	73,182	1	83,895	1	94,607
1/4	169	1/4	9,151	1/4	19,864	1/4	30,559	1/4	41,265	1/4	51,978	1/4	62,692	1/4	73,405	1/4	84,119	1/4	94,830
1/2	225	1/2	9,374	1/2	20,087	1/2	30,782	1/2	41,488	1/2	52,202	1/2	62,915	1/2	73,629	1/2	84,342	1/2	95,053
3/4	281	3/4	9,597	3/4	20,310	3/4	31,004	3/4	41,711	3/4	52,425	3/4	63,138	3/4	73,852	3/4	84,565	3/4	95,277
2	337	2	9,821	2	20,534	2	31,227	2	41,934	2	52,648	2	63,361	2	74,075	2	84,788	2	95,500
1/4	430	1/4	10,044	1/4	20,757	1/4	31,449	1/4	42,158	1/4	52,871	1/4	63,585	1/4	74,298	1/4	85,011	1/4	95,723
1/2	523	1/2	10,267	1/2	20,980	1/2	31,672	1/2	42,381	1/2	53,094	1/2	63,808	1/2	74,521	1/2	85,234	1/2	95,946
3/4	616	3/4	10,490	3/4	21,203	3/4	31,894	3/4	42,604	3/4	53,318	3/4	64,031	3/4	74,744	3/4	85,458	3/4	96,169
3	709	3	10,713	3	21,426	3	32,117	3	42,827	3	53,541	3	64,254	3	74,968	3	85,681	3	96,392
1/4	839	1/4	10,936	1/4	21,649	1/4	32,339	1/4	43,050	1/4	53,764	1/4	64,477	1/4	75,191	1/4	85,904	1/4	96,616
1/2	969	1/2	11,160	1/2	21,873	1/2	32,562	1/2	43,274	1/2	53,987	1/2	64,701	1/2	75,414	1/2	86,127	1/2	96,839
3/4	1,099	3/4	11,383	3/4	22,096	3/4	32,784	3/4	43,497	3/4	54,210	3/4	64,924	3/4	75,637	3/4	86,350	3/4	97,062
4	1,230	4	11,606	4	22,319	4	33,007	4	43,720	4	54,434	4	65,147	4	75,860	4	86,573	4	97,285
1/4	1,397	1/4	11,829	1/4	22,542	1/4	33,230	1/4	43,943	1/4	54,657	1/4	65,370	1/4	76,084	1/4	86,797	1/4	97,508
1/2	1,564	1/2	12,052	1/2	22,765	1/2	33,453	1/2	44,166	1/2	54,880	1/2	65,593	1/2	76,307	1/2	87,020	1/2	97,731
3/4	1,732	3/4	12,276	3/4	22,989	3/4	33,676	3/4	44,390	3/4	55,103	3/4	65,817	3/4	76,530	3/4	87,243	3/4	97,954
5	1,899	5	12,499	5	23,212	5	33,899	5	44,613	5	55,326	5	66,040	5	76,753	5	87,466	5	98,178
1/4	2,103	1/4	12,722	1/4	23,435	1/4	34,123	1/4	44,836	1/4	55,550	1/4	66,263	1/4	76,976	1/4	87,689	1/4	98,401
1/2	2,307	1/2	12,945	1/2	23,658	1/2	34,346	1/2	45,059	1/2	55,773	1/2	66,486	1/2	77,200	1/2	87,912	1/2	98,624
3/4	2,511	3/4	13,168	3/4	23,881	3/4	34,569	3/4	45,282	3/4	55,996	3/4	66,709	3/4	77,423	3/4	88,135	3/4	98,847
6	2,715	6	13,392	6	24,105	6	34,792	6	45,506	6	56,219	6	66,933	6	77,646	6	88,359	6	99,070
1/4	2,934	1/4	13,615	1/4	24,327	1/4	35,015	1/4	45,729	1/4	56,442	1/4	67,156	1/4	77,869	1/4	88,582	1/4	99,293
1/2	3,153	1/2	13,838	1/2	24,550	1/2	35,239	1/2	45,952	1/2	56,666	1/2	67,379	1/2	78,092	1/2	88,805	1/2	99,517
3/4	3,371	3/4	14,061	3/4	24,773	3/4	35,462	3/4	46,175	3/4	56,889	3/4	67,602	3/4	78,316	3/4	89,028	3/4	99,740
7	3,590	7	14,284	7	24,996	7	35,685	7	46,398	7	57,112	7	67,825	7	78,539	7	89,251	7	99,963
1/4	3,811	1/4	14,507	1/4	25,219	1/4	35,908	1/4	46,622	1/4	57,335	1/4	68,049	1/4	78,762	1/4	89,474	1/4	100,186
1/2	4,031	1/2	14,731	1/2	25,442	1/2	36,131	1/2	46,845	1/2	57,558	1/2	68,272	1/2	78,985	1/2	89,698	1/2	100,409
3/4	4,252	3/4	14,954	3/4	25,664	3/4	36,355	3/4	47,068	3/4	57,781	3/4	68,495	3/4	79,208	3/4	89,921	3/4	100,632
8	4,473	8	15,177	8	25,887	8	36,578	8	47,291	8	58,005	8	68,718	8	79,432	8	90,144	8	100,856
1/4	4,695	1/4	15,400	1/4	26,110	1/4	36,801	1/4	47,514	1/4	58,228	1/4	68,941	1/4	79,655	1/4	90,367	1/4	101,079
1/2	4,916	1/2	15,623	1/2	26,332	1/2	37,024	1/2	47,738	1/2	58,451	1/2	69,165	1/2	79,878	1/2	90,590	1/2	101,302
3/4	5,138	3/4	15,847	3/4	26,555	3/4	37,247	3/4	47,961	3/4	58,674	3/4	69,388	3/4	80,101	3/4	90,813	3/4	101,525
9	5,360	9	16,070	9	26,777	9	37,471	9	48,184	9	58,897	9	69,611	9	80,324	9	91,037	9	101,748
1/4	5,583	1/4	16,293	1/4	27,000	1/4	37,694	1/4	48,407	1/4	59,121	1/4	69,834	1/4	80,548	1/4	91,260	1/4	101,971
1/2	5,805	1/2	16,516	1/2	27,222	1/2	37,917	1/2	48,630	1/2	59,344	1/2	70,057	1/2	80,771	1/2	91,483	1/2	102,195
3/4	6,028	3/4	16,739	3/4	27,445	3/4	38,140	3/4	48,854	3/4	59,567	3/4	70,281	3/4	80,994	3/4	91,706	3/4	102,418
10	6,250	10	16,963	10	27,667	10	38,363	10	49,077	10	59,790	10	70,504	10	81,217	10	91,929	10	102,641
1/4	6,473	1/4	17,186	1/4	27,890	1/4	38,587	1/4	49,300	1/4	60,013	1/4	70,727	1/4	81,440	1/4	92,152	1/4	102,864
1/2	6,696	1/2	17,409	1/2	28,112	1/2	38,810	1/2	49,523	1/2	60,237	1/2	70,950	1/2	81,664	1/2	92,375	1/2	103,087
3/4	6,919	3/4	17,632	3/4	28,335	3/4	39,033	3/4	49,746	3/4	60,460	3/4	71,173	3/4	81,887	3/4	92,599	3/4	103,310
11	7,142	11	17,855	11	28,557	11	39,256	11	49,970	11	60,683	11	71,397	11	82,110	11	92,822	11	103,533
1/4	7,365	1/4	18,078	1/4	28,779	1/4	39,479	1/4	50,193	1/4	60,906	1/4	71,620	1/4	82,333	1/4	93,045	1/4	103,757
1/2	7,589	1/2	18,302	1/2	29,002	1/2	39,703	1/2	50,416	1/2	61,129	1/2	71,843	1/2	82,556	1/2	93,268	1/2	103,980
3/4	7,812	3/4	18,525	3/4	29,224	3/4	39,926	3/4	50,639	3/4	61,353	3/4	72,066	3/4	82,780	3/4	93,491	3/4	104,203

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'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 1357"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	104,426	0	115,138	0	125,849	0	136,502	0	147,122	0		0		0		0		0	
1/4	104,649	1/4	115,361	1/4	126,071	1/4	136,724	1/4	147,342	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	104,872	1/2	115,584	1/2	126,293	1/2	136,946	1/2	147,562	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	105,096	3/4	115,807	3/4	126,515	3/4	137,168	3/4	147,782	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	105,319	1	116,030	1	126,737	1	137,390	1	148,002	1	1	1	1	1	1	1	1	1	1
1/4	105,542	1/4	116,254	1/4	126,959	1/4	137,612	1/4	148,222	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	105,765	1/2	116,477	1/2	127,181	1/2	137,834	1/2	148,442	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	105,988	3/4	116,700	3/4	127,403	3/4	138,056	3/4	148,662	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	106,211	2	116,923	2	127,625	2	138,278	2	148,882	2	2	2	2	2	2	2	2	2	2
1/4	106,435	1/4	117,146	1/4	127,847	1/4	138,500	1/4	149,083	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	106,658	1/2	117,369	1/2	128,069	1/2	138,722	1/2	149,284	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	106,881	3/4	117,593	3/4	128,291	3/4	138,944	3/4	149,485	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	107,104	3	117,816	3	128,513	3	139,166	3	149,687	3	3	3	3	3	3	3	3	3	3
1/4	107,327	1/4	118,039	1/4	128,735	1/4	139,388	1/4	149,851	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	107,550	1/2	118,262	1/2	128,957	1/2	139,609	1/2	150,015	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	107,774	3/4	118,485	3/4	129,178	3/4	139,831	3/4	150,179	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	107,997	4	118,708	4	129,400	4	140,053	4	150,343	4	4	4	4	4	4	4	4	4	4
1/4	108,220	1/4	118,931	1/4	129,622	1/4	140,275	1/4	150,470	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	108,443	1/2	119,155	1/2	129,844	1/2	140,497	1/2	150,597	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	108,666	3/4	119,378	3/4	130,066	3/4	140,719	3/4	150,724	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	108,889	5	119,601	5	130,288	5	140,941	5	150,851	5	5	5	5	5	5	5	5	5	5
1/4	109,112	1/4	119,824	1/4	130,510	1/4	141,163	1/4	150,940	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	109,336	1/2	120,047	1/2	130,732	1/2	141,385	1/2	151,030	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	109,559	3/4	120,270	3/4	130,954	3/4	141,607	3/4	151,120	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	109,782	6	120,494	6	131,176	6	141,829	6	151,209	6	6	6	6	6	6	6	6	6	6
1/4	110,005	1/4	120,717	1/4	131,398	1/4	142,051	1/4	151,262	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	110,228	1/2	120,940	1/2	131,620	1/2	142,273	1/2	151,314	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	110,451	3/4	121,163	3/4	131,842	3/4	142,495	3/4	151,367	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	110,675	7	121,386	7	132,064	7	142,717	7	151,419	7	7	7	7	7	7	7	7	7	7
1/4	110,898	1/4	121,609	1/4	132,286	1/4	142,939	1/4	151,435	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	111,121	1/2	121,833	1/2	132,508	1/2	143,160	1/2	151,450	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	111,344	3/4	122,056	3/4	132,729	3/4	143,382	3/4	151,465	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	111,567	8	122,279	8	132,951	8	143,604	8	151,480	8	8	8	8	8	8	8	8	8	8
1/4	111,790	1/4	122,502	1/4	133,173	1/4	143,824	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	112,014	1/2	122,725	1/2	133,395	1/2	144,044	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	112,237	3/4	122,948	3/4	133,617	3/4	144,264	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	112,460	9	123,172	9	133,839	9	144,484	9		9	9	9	9	9	9	9	9	9	9
1/4	112,683	1/4	123,395	1/4	134,061	1/4	144,704	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	112,906	1/2	123,618	1/2	134,283	1/2	144,924	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	113,129	3/4	123,841	3/4	134,505	3/4	145,144	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	113,352	10	124,064	10	134,727	10	145,363	10	10	10	10	10	10	10	10	10	10	10	10
1/4	113,576	1/4	124,287	1/4	134,949	1/4	145,583	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	113,799	1/2	124,510	1/2	135,171	1/2	145,803	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	114,022	3/4	124,734	3/4	135,393	3/4	146,023	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	114,245	11	124,957	11	135,615	11	146,243	11	11	11	11	11	11	11	11	11	11	11	11
1/4	114,468	1/4	125,180	1/4	135,837	1/4	146,463	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	114,691	1/2	125,403	1/2	136,058	1/2	146,683	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	114,915	3/4	125,626	3/4	136,280	3/4	146,903	3/4	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: 01/18/2013 CL - SW
CALCULATED: 01/18/2013 CL
PRINTED: 01/19/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 1357"

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	00-1/8	- 00-1/8	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	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 00-7/8	00-7/8	- 01-0/8	01-0/8	- 01-1/4	01-1/4

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 3 CENTER IS 00-3/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 3 CENTER, THE TRIM CORRECTED ULLAGE IS 4'-00 3/8"

LENGTH BETWEEN DRAFT MARKS: 161'-09"

January 18, 2013

**PRECISION MEASUREMENT
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BARGE "CBC 1357"

1 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		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0	147,507	0	140,195	0	130,757	0	121,305	0	111,835	0	101,280	0	90,499	0	79,718
1/4	1/4	1/4	1/4	1/4	147,491	1/4	139,998	1/4	130,561	1/4	121,108	1/4	111,638	1/4	101,055	1/4	90,274	1/4	79,493
1/2	1/2	1/2	1/2	1/2	147,475	1/2	139,801	1/2	130,365	1/2	120,911	1/2	111,440	1/2	100,830	1/2	90,050	1/2	79,269
3/4	3/4	3/4	3/4	3/4	147,459	3/4	139,604	3/4	130,169	3/4	120,713	3/4	111,243	3/4	100,606	3/4	89,825	3/4	79,044
1		1		1	147,443	1	139,407	1	129,973	1	120,516	1	111,046	1	100,381	1	89,601	1	78,819
1/4	1/4	1/4	1/4	1/4	147,389	1/4	139,211	1/4	129,776	1/4	120,319	1/4	110,849	1/4	100,157	1/4	89,376	1/4	78,595
1/2	1/2	1/2	1/2	1/2	147,335	1/2	139,014	1/2	129,580	1/2	120,121	1/2	110,652	1/2	99,932	1/2	89,151	1/2	78,370
3/4	3/4	3/4	3/4	3/4	147,282	3/4	138,817	3/4	129,384	3/4	119,924	3/4	110,455	3/4	99,707	3/4	88,927	3/4	78,145
2		2		2	147,228	2	138,620	2	129,188	2	119,726	2	110,257	2	99,483	2	88,702	2	77,921
1/4	1/4	1/4	1/4	1/4	147,137	1/4	138,423	1/4	128,991	1/4	119,529	1/4	110,033	1/4	99,258	1/4	88,478	1/4	77,696
1/2	1/2	1/2	1/2	1/2	147,046	1/2	138,226	1/2	128,794	1/2	119,332	1/2	109,809	1/2	99,034	1/2	88,253	1/2	77,472
3/4	3/4	3/4	3/4	3/4	146,955	3/4	138,029	3/4	128,597	3/4	119,134	3/4	109,584	3/4	98,809	3/4	88,028	3/4	77,247
3		3		3	146,864	3	137,833	3	128,401	3	118,937	3	109,360	3	98,584	3	87,804	3	77,022
1/4	1/4	1/4	1/4	1/4	146,735	1/4	137,636	1/4	128,204	1/4	118,739	1/4	109,136	1/4	98,360	1/4	87,579	1/4	76,798
1/2	1/2	1/2	1/2	1/2	146,606	1/2	137,439	1/2	128,007	1/2	118,542	1/2	108,911	1/2	98,135	1/2	87,355	1/2	76,575
3/4	3/4	3/4	3/4	3/4	146,478	3/4	137,242	3/4	127,810	3/4	118,345	3/4	108,687	3/4	97,911	3/4	87,130	3/4	76,351
4		4		4	146,349	4	137,045	4	127,613	4	118,147	4	108,463	4	97,686	4	86,905	4	76,127
1/4	1/4	1/4	1/4	1/4	146,183	1/4	136,848	1/4	127,416	1/4	117,950	1/4	108,238	1/4	97,461	1/4	86,681	1/4	75,904
1/2	1/2	1/2	1/2	1/2	146,017	1/2	136,652	1/2	127,219	1/2	117,753	1/2	108,014	1/2	97,237	1/2	86,456	1/2	75,680
3/4	3/4	3/4	3/4	3/4	145,850	3/4	136,455	3/4	127,023	3/4	117,555	3/4	107,790	3/4	97,012	3/4	86,232	3/4	75,457
5		5		5	145,684	5	136,258	5	126,826	5	117,358	5	107,565	5	96,788	5	86,007	5	75,234
1/4	1/4	1/4	1/4	1/4	145,481	1/4	136,061	1/4	126,629	1/4	117,160	1/4	107,341	1/4	96,563	1/4	85,782	1/4	75,011
1/2	1/2	1/2	1/2	1/2	145,277	1/2	135,864	1/2	126,432	1/2	116,963	1/2	107,117	1/2	96,338	1/2	85,558	1/2	74,788
3/4	3/4	3/4	3/4	3/4	145,073	3/4	135,667	3/4	126,235	3/4	116,766	3/4	106,892	3/4	96,114	3/4	85,333	3/4	74,565
6		6		6	144,870	6	135,470	6	126,038	6	116,568	6	106,668	6	95,889	6	85,109	6	74,341
1/4	1/4	1/4	1/4	1/4	144,675	1/4	135,274	1/4	125,841	1/4	116,371	1/4	106,444	1/4	95,665	1/4	84,884	1/4	74,118
1/2	1/2	1/2	1/2	1/2	144,480	1/2	135,077	1/2	125,645	1/2	116,174	1/2	106,219	1/2	95,440	1/2	84,659	1/2	73,895
3/4	3/4	3/4	3/4	3/4	144,285	3/4	134,880	3/4	125,448	3/4	115,976	3/4	105,995	3/4	95,215	3/4	84,435	3/4	73,672
7		7		7	144,090	7	134,683	7	125,251	7	115,779	7	105,770	7	94,991	7	84,210	7	73,449
1/4	1/4	1/4	1/4	1/4	143,896	1/4	134,486	1/4	125,054	1/4	115,581	1/4	105,546	1/4	94,766	1/4	83,986	1/4	73,225
1/2	1/2	1/2	1/2	1/2	143,701	1/2	134,289	1/2	124,857	1/2	115,384	1/2	105,322	1/2	94,542	1/2	83,761	1/2	73,002
3/4	3/4	3/4	3/4	3/4	143,506	3/4	134,092	3/4	124,660	3/4	115,187	3/4	105,097	3/4	94,317	3/4	83,536	3/4	72,779
8		8		8	143,311	8	133,896	8	124,463	8	114,989	8	104,873	8	94,092	8	83,312	8	72,556
1/4	1/4	1/4	1/4	1/4	143,117	1/4	133,699	1/4	124,266	1/4	114,792	1/4	104,648	1/4	93,868	1/4	83,087	1/4	72,333
1/2	1/2	1/2	1/2	1/2	142,922	1/2	133,503	1/2	124,069	1/2	114,595	1/2	104,424	1/2	93,643	1/2	82,863	1/2	72,110
3/4	3/4	3/4	3/4	3/4	142,727	3/4	133,307	3/4	123,871	3/4	114,398	3/4	104,199	3/4	93,419	3/4	82,638	3/4	71,886
9		9		9	142,532	9	133,111	9	123,674	9	114,201	9	103,975	9	93,194	9	82,413	9	71,663
1/4	1/4	1/4	1/4	1/4	142,337	1/4	132,915	1/4	123,477	1/4	114,003	1/4	103,750	1/4	92,969	1/4	82,189	1/4	71,440
1/2	1/2	1/2	1/2	1/2	142,143	1/2	132,719	1/2	123,279	1/2	113,806	1/2	103,526	1/2	92,745	1/2	81,964	1/2	71,217
3/4	3/4	3/4	3/4	3/4	141,948	3/4	132,523	3/4	123,082	3/4	113,609	3/4	103,301	3/4	92,520	3/4	81,739	3/4	70,994
10		10		10	141,753	10	132,326	10	122,884	10	113,412	10	103,076	10	92,296	10	81,515	10	70,771
1/4	1/4	1/4	1/4	1/4	141,558	1/4	132,130	1/4	122,687	1/4	113,215	1/4	102,852	1/4	92,071	1/4	81,290	1/4	70,547
1/2	1/2	1/2	1/2	1/2	141,364	1/2	131,934	1/2	122,490	1/2	113,018	1/2	102,627	1/2	91,847	1/2	81,066	1/2	70,324
3/4	3/4	3/4	3/4	3/4	141,169	3/4	131,738	3/4	122,292	3/4	112,821	3/4	102,403	3/4	91,622	3/4	80,841	3/4	70,101
11		11		11	140,974	11	131,542	11	122,095	11	112,623	11	102,178	11	91,397	11	80,616	11	69,878
1/4	1/4	1/4	1/4	1/4	140,779	1/4	131,346	1/4	121,898	1/4	112,426	1/4	101,953	1/4	91,173	1/4	80,392	1/4	69,654
1/2	1/2	1/2	1/2	1/2	140,584	1/2	131,149	1/2	121,700	1/2	112,229	1/2	101,729	1/2	90,948	1/2	80,167	1/2	69,430
3/4	3/4	3/4	3/4	3/4	140,390	3/4	130,953	3/4	121,503	3/4	112,032	3/4	101,504	3/4	90,724	3/4	79,942	3/4	69,206

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

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BARGE "CBC 1357"

1 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	68,982	0	58,209	0	47,432	0	36,655	0	26,064	0	15,307	0	4,510	0		0		0	
1/4	68,758	1/4	57,985	1/4	47,208	1/4	36,430	1/4	25,845	1/4	15,082	1/4	4,288	1/4	1/4	1/4	1/4	1/4	1/4
1/2	68,534	1/2	57,760	1/2	46,983	1/2	36,206	1/2	25,626	1/2	14,857	1/2	4,065	1/2	1/2	1/2	1/2	1/2	1/2
3/4	68,310	3/4	57,536	3/4	46,759	3/4	35,981	3/4	25,407	3/4	14,631	3/4	3,843	3/4	3/4	3/4	3/4	3/4	3/4
1	68,086	1	57,311	1	46,534	1	35,757	1	25,188	1	14,406	1	3,620	1	1	1	1	1	1
1/4	67,862	1/4	57,087	1/4	46,310	1/4	35,532	1/4	24,968	1/4	14,181	1/4	3,399	1/4	1/4	1/4	1/4	1/4	1/4
1/2	67,638	1/2	56,862	1/2	46,085	1/2	35,308	1/2	24,749	1/2	13,956	1/2	3,179	1/2	1/2	1/2	1/2	1/2	1/2
3/4	67,414	3/4	56,638	3/4	45,860	3/4	35,083	3/4	24,530	3/4	13,731	3/4	2,958	3/4	3/4	3/4	3/4	3/4	3/4
2	67,191	2	56,413	2	45,636	2	34,859	2	24,311	2	13,506	2	2,738	2	2	2	2	2	2
1/4	66,966	1/4	56,189	1/4	45,411	1/4	34,634	1/4	24,086	1/4	13,281	1/4	2,532	1/4	1/4	1/4	1/4	1/4	1/4
1/2	66,741	1/2	55,964	1/2	45,187	1/2	34,410	1/2	23,861	1/2	13,056	1/2	2,326	1/2	1/2	1/2	1/2	1/2	1/2
3/4	66,517	3/4	55,740	3/4	44,962	3/4	34,185	3/4	23,636	3/4	12,831	3/4	2,120	3/4	3/4	3/4	3/4	3/4	3/4
3	66,292	3	55,515	3	44,738	3	33,961	3	23,411	3	12,605	3	1,915	3	3	3	3	3	3
1/4	66,068	1/4	55,291	1/4	44,513	1/4	33,736	1/4	23,186	1/4	12,380	1/4	1,746	1/4	1/4	1/4	1/4	1/4	1/4
1/2	65,843	1/2	55,066	1/2	44,289	1/2	33,512	1/2	22,961	1/2	12,155	1/2	1,577	1/2	1/2	1/2	1/2	1/2	1/2
3/4	65,619	3/4	54,842	3/4	44,064	3/4	33,287	3/4	22,735	3/4	11,930	3/4	1,408	3/4	3/4	3/4	3/4	3/4	3/4
4	65,394	4	54,617	4	43,840	4	33,062	4	22,510	4	11,705	4	1,240	4	4	4	4	4	4
1/4	65,170	1/4	54,393	1/4	43,615	1/4	32,844	1/4	22,285	1/4	11,480	1/4	1,108	1/4	1/4	1/4	1/4	1/4	1/4
1/2	64,945	1/2	54,168	1/2	43,391	1/2	32,625	1/2	22,060	1/2	11,255	1/2	977	1/2	1/2	1/2	1/2	1/2	1/2
3/4	64,721	3/4	53,943	3/4	43,166	3/4	32,406	3/4	21,835	3/4	11,030	3/4	846	3/4	3/4	3/4	3/4	3/4	3/4
5	64,496	5	53,719	5	42,942	5	32,188	5	21,610	5	10,805	5	714	5	5	5	5	5	5
1/4	64,272	1/4	53,494	1/4	42,717	1/4	31,969	1/4	21,385	1/4	10,579	1/4	621	1/4	1/4	1/4	1/4	1/4	1/4
1/2	64,047	1/2	53,270	1/2	42,493	1/2	31,750	1/2	21,160	1/2	10,354	1/2	527	1/2	1/2	1/2	1/2	1/2	1/2
3/4	63,823	3/4	53,045	3/4	42,268	3/4	31,532	3/4	20,935	3/4	10,129	3/4	433	3/4	3/4	3/4	3/4	3/4	3/4
6	63,598	6	52,821	6	42,044	6	31,313	6	20,709	6	9,904	6	339	6	6	6	6	6	6
1/4	63,374	1/4	52,596	1/4	41,819	1/4	31,094	1/4	20,484	1/4	9,679	1/4	283	1/4	1/4	1/4	1/4	1/4	1/4
1/2	63,149	1/2	52,372	1/2	41,594	1/2	30,875	1/2	20,259	1/2	9,454	1/2	227	1/2	1/2	1/2	1/2	1/2	1/2
3/4	62,925	3/4	52,147	3/4	41,370	3/4	30,657	3/4	20,034	3/4	9,229	3/4	170	3/4	3/4	3/4	3/4	3/4	3/4
7	62,700	7	51,923	7	41,145	7	30,438	7	19,809	7	9,004	7	114	7	7	7	7	7	7
1/4	62,475	1/4	51,698	1/4	40,921	1/4	30,219	1/4	19,584	1/4	8,779	1/4	95	1/4	1/4	1/4	1/4	1/4	1/4
1/2	62,251	1/2	51,474	1/2	40,696	1/2	30,001	1/2	19,359	1/2	8,554	1/2	77	1/2	1/2	1/2	1/2	1/2	1/2
3/4	62,026	3/4	51,249	3/4	40,472	3/4	29,782	3/4	19,134	3/4	8,328	3/4	58	3/4	3/4	3/4	3/4	3/4	3/4
8	61,802	8	51,025	8	40,247	8	29,563	8	18,909	8	8,103	8	39	8	8	8	8	8	8
1/4	61,577	1/4	50,800	1/4	40,023	1/4	29,344	1/4	18,683	1/4	7,878	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	61,353	1/2	50,576	1/2	39,798	1/2	29,126	1/2	18,458	1/2	7,653	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	61,128	3/4	50,351	3/4	39,574	3/4	28,907	3/4	18,233	3/4	7,428	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	60,904	9	50,127	9	39,349	9	28,688	9	18,008	9	7,203	9		9	9	9	9	9	9
1/4	60,679	1/4	49,902	1/4	39,125	1/4	28,470	1/4	17,783	1/4	6,978	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	60,455	1/2	49,677	1/2	38,900	1/2	28,251	1/2	17,558	1/2	6,753	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	60,230	3/4	49,453	3/4	38,676	3/4	28,032	3/4	17,333	3/4	6,528	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	60,006	10	49,228	10	38,451	10	27,814	10	17,108	10	6,303	10		10	10	10	10	10	10
1/4	59,781	1/4	49,004	1/4	38,227	1/4	27,595	1/4	16,883	1/4	6,079	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	59,557	1/2	48,779	1/2	38,002	1/2	27,376	1/2	16,657	1/2	5,854	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	59,332	3/4	48,555	3/4	37,778	3/4	27,157	3/4	16,432	3/4	5,630	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	59,108	11	48,330	11	37,553	11	26,939	11	16,207	11	5,405	11		11	11	11	11	11	11
1/4	58,883	1/4	48,106	1/4	37,328	1/4	26,720	1/4	15,982	1/4	5,182	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	58,659	1/2	47,881	1/2	37,104	1/2	26,501	1/2	15,757	1/2	4,958	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	58,434	3/4	47,657	3/4	36,879	3/4	26,283	3/4	15,532	3/4	4,734	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/18/2013 CL - SW
CALCULATED: 01/18/2013 CL
PRINTED: 01/19/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2013

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



BARGE "CBC 1357"

2 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	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	0	0	0	0	0	161,793	0	149,813	0	137,809	0	125,757	0	113,706	0	101,654	0	89,602	0
1/4	1/4	1/4	1/4	1/4	1/4	161,546	1/4	149,564	1/4	137,558	1/4	125,506	1/4	113,455	1/4	101,403	1/4	89,351	1/4
1/2	1/2	1/2	1/2	170,159	1/2	161,299	1/2	149,314	1/2	137,307	1/2	125,255	1/2	113,204	1/2	101,152	1/2	89,100	1/2
3/4	3/4	3/4	3/4	170,142	3/4	161,049	3/4	149,064	3/4	137,056	3/4	125,004	3/4	112,953	3/4	100,901	3/4	88,849	3/4
1	1	1	1	170,125	1	160,799	1	148,815	1	136,805	1	124,753	1	112,702	1	100,650	1	88,597	1
1/4	1/4	1/4	1/4	170,107	1/4	160,550	1/4	148,565	1/4	136,554	1/4	124,502	1/4	112,450	1/4	100,399	1/4	88,346	1/4
1/2	1/2	1/2	1/2	170,090	1/2	160,300	1/2	148,315	1/2	136,303	1/2	124,251	1/2	112,199	1/2	100,148	1/2	88,095	1/2
3/4	3/4	3/4	3/4	170,031	3/4	160,050	3/4	148,066	3/4	136,052	3/4	124,000	3/4	111,948	3/4	99,897	3/4	87,844	3/4
2	2	2	2	169,972	2	159,800	2	147,816	2	135,801	2	123,749	2	111,697	2	99,646	2	87,593	2
1/4	1/4	1/4	1/4	169,913	1/4	159,551	1/4	147,566	1/4	135,549	1/4	123,498	1/4	111,446	1/4	99,395	1/4	87,342	1/4
1/2	1/2	1/2	1/2	169,854	1/2	159,301	1/2	147,316	1/2	135,298	1/2	123,247	1/2	111,195	1/2	99,143	1/2	87,091	1/2
3/4	3/4	3/4	3/4	169,753	3/4	159,051	3/4	147,067	3/4	135,047	3/4	122,996	3/4	110,944	3/4	98,892	3/4	86,840	3/4
3	3	3	3	169,652	3	158,802	3	146,817	3	134,796	3	122,745	3	110,693	3	98,641	3	86,589	3
1/4	1/4	1/4	1/4	169,551	1/4	158,552	1/4	146,567	1/4	134,545	1/4	122,493	1/4	110,442	1/4	98,390	1/4	86,337	1/4
1/2	1/2	1/2	1/2	169,451	1/2	158,302	1/2	146,318	1/2	134,294	1/2	122,242	1/2	110,191	1/2	98,139	1/2	86,086	1/2
3/4	3/4	3/4	3/4	169,308	3/4	158,053	3/4	146,068	3/4	134,043	3/4	121,991	3/4	109,940	3/4	97,888	3/4	85,835	3/4
4	4	4	4	169,165	4	157,803	4	145,818	4	133,792	4	121,740	4	109,689	4	97,637	4	85,584	4
1/4	1/4	1/4	1/4	169,022	1/4	157,553	1/4	145,569	1/4	133,541	1/4	121,489	1/4	109,438	1/4	97,386	1/4	85,333	1/4
1/2	1/2	1/2	1/2	168,880	1/2	157,304	1/2	145,319	1/2	133,290	1/2	121,238	1/2	109,186	1/2	97,135	1/2	85,082	1/2
3/4	3/4	3/4	3/4	168,695	3/4	157,054	3/4	145,069	3/4	133,039	3/4	120,987	3/4	108,935	3/4	96,884	3/4	84,831	3/4
5	5	5	5	168,510	5	156,804	5	144,820	5	132,788	5	120,736	5	108,684	5	96,633	5	84,580	5
1/4	1/4	1/4	1/4	168,326	1/4	156,555	1/4	144,570	1/4	132,537	1/4	120,485	1/4	108,433	1/4	96,382	1/4	84,328	1/4
1/2	1/2	1/2	1/2	168,141	1/2	156,305	1/2	144,320	1/2	132,285	1/2	120,234	1/2	108,182	1/2	96,131	1/2	84,077	1/2
3/4	3/4	3/4	3/4	167,915	3/4	156,055	3/4	144,071	3/4	132,034	3/4	119,983	3/4	107,931	3/4	95,879	3/4	83,826	3/4
6	6	6	6	167,688	6	155,806	6	143,821	6	131,783	6	119,732	6	107,680	6	95,628	6	83,575	6
1/4	1/4	1/4	1/4	167,462	1/4	155,556	1/4	143,571	1/4	131,532	1/4	119,481	1/4	107,429	1/4	95,377	1/4	83,324	1/4
1/2	1/2	1/2	1/2	167,235	1/2	155,306	1/2	143,322	1/2	131,281	1/2	119,229	1/2	107,178	1/2	95,126	1/2	83,073	1/2
3/4	3/4	3/4	3/4	166,988	3/4	155,057	3/4	143,072	3/4	131,030	3/4	118,978	3/4	106,927	3/4	94,875	3/4	82,822	3/4
7	7	7	7	166,741	7	154,807	7	142,822	7	130,779	7	118,727	7	106,676	7	94,624	7	82,571	7
1/4	1/4	1/4	1/4	166,493	1/4	154,557	1/4	142,573	1/4	130,528	1/4	118,476	1/4	106,425	1/4	94,373	1/4	82,319	1/4
1/2	1/2	1/2	1/2	166,246	1/2	154,308	1/2	142,323	1/2	130,277	1/2	118,225	1/2	106,174	1/2	94,122	1/2	82,068	1/2
3/4	3/4	3/4	3/4	165,999	3/4	154,058	3/4	142,073	3/4	130,026	3/4	117,974	3/4	105,923	3/4	93,871	3/4	81,817	3/4
8	8	8	8	165,751	8	153,808	8	141,824	8	129,775	8	117,723	8	105,671	8	93,620	8	81,566	8
1/4	1/4	1/4	1/4	165,504	1/4	153,558	1/4	141,574	1/4	129,524	1/4	117,472	1/4	105,420	1/4	93,369	1/4	81,315	1/4
1/2	1/2	1/2	1/2	165,257	1/2	153,309	1/2	141,324	1/2	129,273	1/2	117,221	1/2	105,169	1/2	93,118	1/2	81,064	1/2
3/4	3/4	3/4	3/4	165,009	3/4	153,059	3/4	141,073	3/4	129,021	3/4	116,970	3/4	104,918	3/4	92,866	3/4	80,813	3/4
9	9	9	9	164,762	9	152,809	9	140,822	9	128,770	9	116,719	9	104,667	9	92,615	9	80,562	9
1/4	1/4	1/4	1/4	164,514	1/4	152,560	1/4	140,571	1/4	128,519	1/4	116,468	1/4	104,416	1/4	92,364	1/4	80,311	1/4
1/2	1/2	1/2	1/2	164,267	1/2	152,310	1/2	140,320	1/2	128,268	1/2	116,217	1/2	104,165	1/2	92,113	1/2	80,059	1/2
3/4	3/4	3/4	3/4	164,020	3/4	152,060	3/4	140,069	3/4	128,017	3/4	115,966	3/4	103,914	3/4	91,862	3/4	79,808	3/4
10	10	10	10	163,772	10	151,811	10	139,818	10	127,766	10	115,714	10	103,663	10	91,611	10	79,557	10
1/4	1/4	1/4	1/4	163,525	1/4	151,561	1/4	139,567	1/4	127,515	1/4	115,463	1/4	103,412	1/4	91,360	1/4	79,306	1/4
1/2	1/2	1/2	1/2	163,278	1/2	151,311	1/2	139,316	1/2	127,264	1/2	115,212	1/2	103,161	1/2	91,109	1/2	79,055	1/2
3/4	3/4	3/4	3/4	163,030	3/4	151,062	3/4	139,064	3/4	127,013	3/4	114,961	3/4	102,910	3/4	90,858	3/4	78,804	3/4
11	11	11	11	162,783	11	150,812	11	138,813	11	126,762	11	114,710	11	102,658	11	90,606	11	78,553	11
1/4	1/4	1/4	1/4	162,535	1/4	150,562	1/4	138,562	1/4	126,511	1/4	114,459	1/4	102,407	1/4	90,355	1/4	78,302	1/4
1/2	1/2	1/2	1/2	162,288	1/2	150,313	1/2	138,311	1/2	126,260	1/2	114,208	1/2	102,156	1/2	90,104	1/2	78,050	1/2
3/4	3/4	3/4	3/4	162,041	3/4	150,063	3/4	138,060	3/4	126,009	3/4	113,957	3/4	101,905	3/4	89,853	3/4	77,799	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 1357"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	77,548	0	65,495	0	53,441	0	41,387	0	29,584	0	17,573	0	5,527	0		0		0	
1/4	77,297	1/4	65,243	1/4	53,190	1/4	41,136	1/4	29,340	1/4	17,322	1/4	5,277	1/4	1/4	1/4	1/4	1/4	1/4
1/2	77,046	1/2	64,992	1/2	52,939	1/2	40,885	1/2	29,096	1/2	17,071	1/2	5,028	1/2	1/2	1/2	1/2	1/2	1/2
3/4	76,795	3/4	64,741	3/4	52,687	3/4	40,634	3/4	28,852	3/4	16,820	3/4	4,780	3/4	3/4	3/4	3/4	3/4	3/4
1	76,544	1	64,490	1	52,436	1	40,383	1	28,608	1	16,569	1	4,531	1	1	1	1	1	1
1/4	76,293	1/4	64,239	1/4	52,185	1/4	40,132	1/4	28,364	1/4	16,318	1/4	4,283	1/4	1/4	1/4	1/4	1/4	1/4
1/2	76,042	1/2	63,988	1/2	51,934	1/2	39,880	1/2	28,120	1/2	16,067	1/2	4,035	1/2	1/2	1/2	1/2	1/2	1/2
3/4	75,790	3/4	63,737	3/4	51,683	3/4	39,629	3/4	27,869	3/4	15,816	3/4	3,789	3/4	3/4	3/4	3/4	3/4	3/4
2	75,539	2	63,486	2	51,432	2	39,378	2	27,618	2	15,564	2	3,542	2	2	2	2	2	2
1/4	75,288	1/4	63,234	1/4	51,181	1/4	39,127	1/4	27,367	1/4	15,313	1/4	3,296	1/4	1/4	1/4	1/4	1/4	1/4
1/2	75,037	1/2	62,983	1/2	50,930	1/2	38,876	1/2	27,116	1/2	15,062	1/2	3,050	1/2	1/2	1/2	1/2	1/2	1/2
3/4	74,786	3/4	62,732	3/4	50,679	3/4	38,625	3/4	26,864	3/4	14,811	3/4	2,821	3/4	3/4	3/4	3/4	3/4	3/4
3	74,535	3	62,481	3	50,427	3	38,374	3	26,613	3	14,560	3	2,591	3	3	3	3	3	3
1/4	74,284	1/4	62,230	1/4	50,176	1/4	38,123	1/4	26,362	1/4	14,309	1/4	2,362	1/4	1/4	1/4	1/4	1/4	1/4
1/2	74,033	1/2	61,979	1/2	49,925	1/2	37,871	1/2	26,111	1/2	14,058	1/2	2,132	1/2	1/2	1/2	1/2	1/2	1/2
3/4	73,781	3/4	61,728	3/4	49,674	3/4	37,627	3/4	25,860	3/4	13,807	3/4	1,944	3/4	3/4	3/4	3/4	3/4	3/4
4	73,530	4	61,477	4	49,423	4	37,383	4	25,609	4	13,556	4	1,755	4	4	4	4	4	4
1/4	73,279	1/4	61,226	1/4	49,172	1/4	37,139	1/4	25,358	1/4	13,304	1/4	1,567	1/4	1/4	1/4	1/4	1/4	1/4
1/2	73,028	1/2	60,974	1/2	48,921	1/2	36,895	1/2	25,107	1/2	13,053	1/2	1,379	1/2	1/2	1/2	1/2	1/2	1/2
3/4	72,777	3/4	60,723	3/4	48,670	3/4	36,651	3/4	24,856	3/4	12,802	3/4	1,232	3/4	3/4	3/4	3/4	3/4	3/4
5	72,526	5	60,472	5	48,418	5	36,408	5	24,604	5	12,551	5	1,086	5	5	5	5	5	5
1/4	72,275	1/4	60,221	1/4	48,167	1/4	36,164	1/4	24,353	1/4	12,300	1/4	939	1/4	1/4	1/4	1/4	1/4	1/4
1/2	72,024	1/2	59,970	1/2	47,916	1/2	35,920	1/2	24,102	1/2	12,049	1/2	793	1/2	1/2	1/2	1/2	1/2	1/2
3/4	71,773	3/4	59,719	3/4	47,665	3/4	35,677	3/4	23,851	3/4	11,798	3/4	688	3/4	3/4	3/4	3/4	3/4	3/4
6	71,521	6	59,468	6	47,414	6	35,433	6	23,600	6	11,547	6	584	6	6	6	6	6	6
1/4	71,270	1/4	59,217	1/4	47,163	1/4	35,189	1/4	23,349	1/4	11,296	1/4	479	1/4	1/4	1/4	1/4	1/4	1/4
1/2	71,019	1/2	58,965	1/2	46,912	1/2	34,945	1/2	23,098	1/2	11,045	1/2	374	1/2	1/2	1/2	1/2	1/2	1/2
3/4	70,768	3/4	58,714	3/4	46,661	3/4	34,702	3/4	22,847	3/4	10,793	3/4	312	3/4	3/4	3/4	3/4	3/4	3/4
7	70,517	7	58,463	7	46,409	7	34,458	7	22,596	7	10,542	7	249	7	7	7	7	7	7
1/4	70,266	1/4	58,212	1/4	46,158	1/4	34,214	1/4	22,344	1/4	10,291	1/4	186	1/4	1/4	1/4	1/4	1/4	1/4
1/2	70,015	1/2	57,961	1/2	45,907	1/2	33,971	1/2	22,093	1/2	10,040	1/2	123	1/2	1/2	1/2	1/2	1/2	1/2
3/4	69,764	3/4	57,710	3/4	45,656	3/4	33,727	3/4	21,842	3/4	9,789	3/4	102	3/4	3/4	3/4	3/4	3/4	3/4
8	69,512	8	57,459	8	45,405	8	33,483	8	21,591	8	9,538	8	81	8	8	8	8	8	8
1/4	69,261	1/4	57,208	1/4	45,154	1/4	33,239	1/4	21,340	1/4	9,287	1/4	61	1/4	1/4	1/4	1/4	1/4	1/4
1/2	69,010	1/2	56,956	1/2	44,903	1/2	32,996	1/2	21,089	1/2	9,036	1/2	39	1/2	1/2	1/2	1/2	1/2	1/2
3/4	68,759	3/4	56,705	3/4	44,652	3/4	32,752	3/4	20,838	3/4	8,785	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	68,508	9	56,454	9	44,401	9	32,508	9	20,587	9	8,533	9		9	9	9	9	9	9
1/4	68,257	1/4	56,203	1/4	44,149	1/4	32,265	1/4	20,336	1/4	8,282	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	68,006	1/2	55,952	1/2	43,898	1/2	32,021	1/2	20,084	1/2	8,031	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	67,755	3/4	55,701	3/4	43,647	3/4	31,777	3/4	19,833	3/4	7,780	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	67,503	10	55,450	10	43,396	10	31,533	10	19,582	10	7,529	10		10	10	10	10	10	10
1/4	67,252	1/4	55,199	1/4	43,145	1/4	31,290	1/4	19,331	1/4	7,279	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	67,001	1/2	54,948	1/2	42,894	1/2	31,046	1/2	19,080	1/2	7,028	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	66,750	3/4	54,696	3/4	42,643	3/4	30,802	3/4	18,829	3/4	6,777	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	66,499	11	54,445	11	42,392	11	30,559	11	18,578	11	6,527	11		11	11	11	11	11	11
1/4	66,248	1/4	54,194	1/4	42,140	1/4	30,315	1/4	18,327	1/4	6,277	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	65,997	1/2	53,943	1/2	41,889	1/2	30,071	1/2	18,076	1/2	6,026	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	65,746	3/4	53,692	3/4	41,638	3/4	29,827	3/4	17,824	3/4	5,777	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/18/2013 CL - SW
CALCULATED: 01/18/2013 CL
PRINTED: 01/19/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2013

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



BARGE "CBC 1357"

3 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	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	0	0	0	144,044	0	133,395	0	122,725	0	112,013	0	101,301	0	90,590	0	79,878		
1/4	1/4	1/4	1/4	1/4	143,824	1/4	133,173	1/4	122,502	1/4	111,790	1/4	101,078	1/4	90,367	1/4	79,654		
1/2	1/2	1/2	151,480	1/2	143,604	1/2	132,951	1/2	122,278	1/2	111,567	1/2	100,855	1/2	90,143	1/2	79,431		
3/4	3/4	3/4	151,465	3/4	143,382	3/4	132,729	3/4	122,055	3/4	111,344	3/4	100,632	3/4	89,920	3/4	79,208		
1	1	1	151,449	1	143,160	1	132,507	1	121,832	1	111,120	1	100,409	1	89,697	1	78,985		
1/4	1/4	1/4	151,434	1/4	142,938	1/4	132,285	1/4	121,609	1/4	110,897	1/4	100,186	1/4	89,474	1/4	78,762		
1/2	1/2	1/2	151,419	1/2	142,716	1/2	132,063	1/2	121,386	1/2	110,674	1/2	99,963	1/2	89,251	1/2	78,538		
3/4	3/4	3/4	151,366	3/4	142,494	3/4	131,841	3/4	121,163	3/4	110,451	3/4	99,739	3/4	89,028	3/4	78,315		
2	2	2	151,314	2	142,272	2	131,619	2	120,940	2	110,228	2	99,516	2	88,805	2	78,092		
1/4	1/4	1/4	151,261	1/4	142,050	1/4	131,397	1/4	120,716	1/4	110,005	1/4	99,293	1/4	88,581	1/4	77,869		
1/2	1/2	1/2	151,209	1/2	141,828	1/2	131,175	1/2	120,493	1/2	109,782	1/2	99,070	1/2	88,358	1/2	77,646		
3/4	3/4	3/4	151,119	3/4	141,606	3/4	130,954	3/4	120,270	3/4	109,558	3/4	98,847	3/4	88,135	3/4	77,422		
3	3	3	151,030	3	141,385	3	130,732	3	120,047	3	109,335	3	98,624	3	87,912	3	77,199		
1/4	1/4	1/4	150,940	1/4	141,163	1/4	130,510	1/4	119,824	1/4	109,112	1/4	98,400	1/4	87,689	1/4	76,976		
1/2	1/2	1/2	150,850	1/2	140,941	1/2	130,288	1/2	119,601	1/2	108,889	1/2	98,177	1/2	87,466	1/2	76,753		
3/4	3/4	3/4	150,723	3/4	140,719	3/4	130,066	3/4	119,377	3/4	108,666	3/4	97,954	3/4	87,242	3/4	76,530		
4	4	4	150,596	4	140,497	4	129,844	4	119,154	4	108,443	4	97,731	4	87,019	4	76,306		
1/4	1/4	1/4	150,470	1/4	140,275	1/4	129,622	1/4	118,931	1/4	108,219	1/4	97,508	1/4	86,796	1/4	76,083		
1/2	1/2	1/2	150,343	1/2	140,053	1/2	129,400	1/2	118,708	1/2	107,996	1/2	97,285	1/2	86,573	1/2	75,860		
3/4	3/4	3/4	150,179	3/4	139,831	3/4	129,178	3/4	118,485	3/4	107,773	3/4	97,061	3/4	86,350	3/4	75,637		
5	5	5	150,014	5	139,609	5	128,956	5	118,262	5	107,550	5	96,838	5	86,127	5	75,414		
1/4	1/4	1/4	149,850	1/4	139,387	1/4	128,734	1/4	118,038	1/4	107,327	1/4	96,615	1/4	85,903	1/4	75,190		
1/2	1/2	1/2	149,686	1/2	139,165	1/2	128,512	1/2	117,815	1/2	107,104	1/2	96,392	1/2	85,680	1/2	74,967		
3/4	3/4	3/4	149,485	3/4	138,943	3/4	128,290	3/4	117,592	3/4	106,880	3/4	96,169	3/4	85,457	3/4	74,744		
6	6	6	149,284	6	138,721	6	128,068	6	117,369	6	106,657	6	95,946	6	85,234	6	74,521		
1/4	1/4	1/4	149,082	1/4	138,499	1/4	127,846	1/4	117,146	1/4	106,434	1/4	95,722	1/4	85,011	1/4	74,298		
1/2	1/2	1/2	148,881	1/2	138,277	1/2	127,625	1/2	116,923	1/2	106,211	1/2	95,499	1/2	84,788	1/2	74,074		
3/4	3/4	3/4	148,661	3/4	138,056	3/4	127,403	3/4	116,699	3/4	105,988	3/4	95,276	3/4	84,564	3/4	73,851		
7	7	7	148,441	7	137,834	7	127,181	7	116,476	7	105,765	7	95,053	7	84,341	7	73,628		
1/4	1/4	1/4	148,221	1/4	137,612	1/4	126,959	1/4	116,253	1/4	105,541	1/4	94,830	1/4	84,118	1/4	73,405		
1/2	1/2	1/2	148,002	1/2	137,390	1/2	126,737	1/2	116,030	1/2	105,318	1/2	94,607	1/2	83,895	1/2	73,182		
3/4	3/4	3/4	147,782	3/4	137,168	3/4	126,515	3/4	115,807	3/4	105,095	3/4	94,384	3/4	83,672	3/4	72,959		
8	8	8	147,562	8	136,946	8	126,293	8	115,584	8	104,872	8	94,160	8	83,449	8	72,735		
1/4	1/4	1/4	147,342	1/4	136,724	1/4	126,071	1/4	115,361	1/4	104,649	1/4	93,937	1/4	83,226	1/4	72,512		
1/2	1/2	1/2	147,122	1/2	136,502	1/2	125,849	1/2	115,137	1/2	104,426	1/2	93,714	1/2	83,002	1/2	72,289		
3/4	3/4	3/4	146,902	3/4	136,280	3/4	125,626	3/4	114,914	3/4	104,203	3/4	93,491	3/4	82,779	3/4	72,066		
9	9	9	146,682	9	136,058	9	125,403	9	114,691	9	103,979	9	93,268	9	82,556	9	71,843		
1/4	1/4	1/4	146,462	1/4	135,836	1/4	125,180	1/4	114,468	1/4	103,756	1/4	93,045	1/4	82,333	1/4	71,619		
1/2	1/2	1/2	146,243	1/2	135,614	1/2	124,956	1/2	114,245	1/2	103,533	1/2	92,821	1/2	82,110	1/2	71,396		
3/4	3/4	3/4	146,023	3/4	135,392	3/4	124,733	3/4	114,022	3/4	103,310	3/4	92,598	3/4	81,886	3/4	71,173		
10	10	10	145,803	10	135,170	10	124,510	10	113,798	10	103,087	10	92,375	10	81,663	10	70,950		
1/4	1/4	1/4	145,583	1/4	134,948	1/4	124,287	1/4	113,575	1/4	102,864	1/4	92,152	1/4	81,440	1/4	70,727		
1/2	1/2	1/2	145,363	1/2	134,726	1/2	124,064	1/2	113,352	1/2	102,640	1/2	91,929	1/2	81,217	1/2	70,503		
3/4	3/4	3/4	145,143	3/4	134,505	3/4	123,841	3/4	113,129	3/4	102,417	3/4	91,706	3/4	80,994	3/4	70,280		
11	11	11	144,923	11	134,283	11	123,617	11	112,906	11	102,194	11	91,482	11	80,770	11	70,057		
1/4	1/4	1/4	144,703	1/4	134,061	1/4	123,394	1/4	112,683	1/4	101,971	1/4	91,259	1/4	80,547	1/4	69,834		
1/2	1/2	1/2	144,483	1/2	133,839	1/2	123,171	1/2	112,459	1/2	101,748	1/2	91,036	1/2	80,324	1/2	69,611		
3/4	3/4	3/4	144,264	3/4	133,617	3/4	122,948	3/4	112,236	3/4	101,525	3/4	90,813	3/4	80,101	3/4	69,387		

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'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 1357"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	69,164	0	58,451	0	47,737	0	37,024	0	26,332	0	15,623	0	4,916	0		0		0	
1/4	68,941	1/4	58,227	1/4	47,514	1/4	36,801	1/4	26,109	1/4	15,400	1/4	4,694	1/4	1/4		1/4		1/4
1/2	68,718	1/2	58,004	1/2	47,291	1/2	36,577	1/2	25,887	1/2	15,177	1/2	4,472	1/2	1/2		1/2		1/2
3/4	68,495	3/4	57,781	3/4	47,068	3/4	36,354	3/4	25,664	3/4	14,953	3/4	4,252	3/4	3/4		3/4		3/4
1	68,271	1	57,558	1	46,844	1	36,131	1	25,441	1	14,730	1	4,031	1	1		1		1
1/4	68,048	1/4	57,335	1/4	46,621	1/4	35,908	1/4	25,218	1/4	14,507	1/4	3,810	1/4	1/4		1/4		1/4
1/2	67,825	1/2	57,111	1/2	46,398	1/2	35,685	1/2	24,995	1/2	14,284	1/2	3,590	1/2	1/2		1/2		1/2
3/4	67,602	3/4	56,888	3/4	46,175	3/4	35,461	3/4	24,773	3/4	14,061	3/4	3,371	3/4	3/4		3/4		3/4
2	67,379	2	56,665	2	45,952	2	35,238	2	24,550	2	13,837	2	3,152	2	2		2		2
1/4	67,155	1/4	56,442	1/4	45,728	1/4	35,015	1/4	24,327	1/4	13,614	1/4	2,933	1/4	1/4		1/4		1/4
1/2	66,932	1/2	56,219	1/2	45,505	1/2	34,792	1/2	24,104	1/2	13,391	1/2	2,715	1/2	1/2		1/2		1/2
3/4	66,709	3/4	55,996	3/4	45,282	3/4	34,569	3/4	23,881	3/4	13,168	3/4	2,511	3/4	3/4		3/4		3/4
3	66,486	3	55,772	3	45,059	3	34,345	3	23,658	3	12,945	3	2,307	3	3		3		3
1/4	66,263	1/4	55,549	1/4	44,836	1/4	34,122	1/4	23,435	1/4	12,722	1/4	2,103	1/4	1/4		1/4		1/4
1/2	66,039	1/2	55,326	1/2	44,612	1/2	33,899	1/2	23,211	1/2	12,498	1/2	1,899	1/2	1/2		1/2		1/2
3/4	65,816	3/4	55,103	3/4	44,389	3/4	33,676	3/4	22,988	3/4	12,275	3/4	1,731	3/4	3/4		3/4		3/4
4	65,593	4	54,880	4	44,166	4	33,453	4	22,765	4	12,052	4	1,564	4	4		4		4
1/4	65,370	1/4	54,656	1/4	43,943	1/4	33,229	1/4	22,542	1/4	11,829	1/4	1,397	1/4	1/4		1/4		1/4
1/2	65,147	1/2	54,433	1/2	43,720	1/2	33,006	1/2	22,319	1/2	11,606	1/2	1,229	1/2	1/2		1/2		1/2
3/4	64,923	3/4	54,210	3/4	43,496	3/4	32,784	3/4	22,095	3/4	11,382	3/4	1,099	3/4	3/4		3/4		3/4
5	64,700	5	53,987	5	43,273	5	32,561	5	21,872	5	11,159	5	969	5	5		5		5
1/4	64,477	1/4	53,764	1/4	43,050	1/4	32,339	1/4	21,649	1/4	10,936	1/4	839	1/4	1/4		1/4		1/4
1/2	64,254	1/2	53,540	1/2	42,827	1/2	32,116	1/2	21,426	1/2	10,713	1/2	708	1/2	1/2		1/2		1/2
3/4	64,031	3/4	53,317	3/4	42,604	3/4	31,894	3/4	21,203	3/4	10,490	3/4	615	3/4	3/4		3/4		3/4
6	63,807	6	53,094	6	42,380	6	31,671	6	20,980	6	10,266	6	522	6	6		6		6
1/4	63,584	1/4	52,871	1/4	42,157	1/4	31,449	1/4	20,756	1/4	10,043	1/4	429	1/4	1/4		1/4		1/4
1/2	63,361	1/2	52,648	1/2	41,934	1/2	31,226	1/2	20,533	1/2	9,820	1/2	336	1/2	1/2		1/2		1/2
3/4	63,138	3/4	52,424	3/4	41,711	3/4	31,004	3/4	20,310	3/4	9,597	3/4	281	3/4	3/4		3/4		3/4
7	62,915	7	52,201	7	41,488	7	30,781	7	20,087	7	9,374	7	225	7	7		7		7
1/4	62,691	1/4	51,978	1/4	41,264	1/4	30,559	1/4	19,864	1/4	9,151	1/4	169	1/4	1/4		1/4		1/4
1/2	62,468	1/2	51,755	1/2	41,041	1/2	30,336	1/2	19,640	1/2	8,927	1/2	113	1/2	1/2		1/2		1/2
3/4	62,245	3/4	51,532	3/4	40,818	3/4	30,114	3/4	19,417	3/4	8,704	3/4	95	3/4	3/4		3/4		3/4
8	62,022	8	51,308	8	40,595	8	29,891	8	19,194	8	8,481	8	76	8	8		8		8
1/4	61,799	1/4	51,085	1/4	40,372	1/4	29,669	1/4	18,971	1/4	8,258	1/4	57	1/4	1/4		1/4		1/4
1/2	61,575	1/2	50,862	1/2	40,148	1/2	29,447	1/2	18,748	1/2	8,035	1/2	39	1/2	1/2		1/2		1/2
3/4	61,352	3/4	50,639	3/4	39,925	3/4	29,224	3/4	18,524	3/4	7,811	3/4		3/4	3/4		3/4		3/4
9	61,129	9	50,416	9	39,702	9	29,002	9	18,301	9	7,588	9		9	9		9		9
1/4	60,906	1/4	50,192	1/4	39,479	1/4	28,779	1/4	18,078	1/4	7,365	1/4		1/4	1/4		1/4		1/4
1/2	60,683	1/2	49,969	1/2	39,256	1/2	28,557	1/2	17,855	1/2	7,142	1/2		1/2	1/2		1/2		1/2
3/4	60,459	3/4	49,746	3/4	39,033	3/4	28,334	3/4	17,632	3/4	6,919	3/4		3/4	3/4		3/4		3/4
10	60,236	10	49,523	10	38,809	10	28,112	10	17,408	10	6,696	10		10	10		10		10
1/4	60,013	1/4	49,300	1/4	38,586	1/4	27,889	1/4	17,185	1/4	6,473	1/4		1/4	1/4		1/4		1/4
1/2	59,790	1/2	49,076	1/2	38,363	1/2	27,667	1/2	16,962	1/2	6,250	1/2		1/2	1/2		1/2		1/2
3/4	59,567	3/4	48,853	3/4	38,140	3/4	27,444	3/4	16,739	3/4	6,027	3/4		3/4	3/4		3/4		3/4
11	59,343	11	48,630	11	37,917	11	27,222	11	16,516	11	5,805	11		11	11		11		11
1/4	59,120	1/4	48,407	1/4	37,693	1/4	26,999	1/4	16,293	1/4	5,582	1/4		1/4	1/4		1/4		1/4
1/2	58,897	1/2	48,184	1/2	37,470	1/2	26,777	1/2	16,069	1/2	5,360	1/2		1/2	1/2		1/2		1/2
3/4	58,674	3/4	47,960	3/4	37,247	3/4	26,554	3/4	15,846	3/4	5,138	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/18/2013 CL - SW
CALCULATED: 01/18/2013 CL
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CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2013

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