



BARGE "CBC 1358"

INNAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>										
1 CENTER	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
2 CENTER	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8
3 CENTER	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-3/4	- 00-3/4	01-0/8	- 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 INNAGE GAUGE OF 4'-00" ON 3 CENTER, THE TRIM CORRECTED INNAGE IS 3'-11 1/2"

LENGTH BETWEEN DRAFT MARKS: 161'-09"

February 12, 2013

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



BARGE "CBC 1358"

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	8,093	0	18,883	0	29,523	0	40,193	0	50,955	0	61,718	0	72,457	0	83,199	0	93,965
1/4	58	1/4	8,317	1/4	19,108	1/4	29,742	1/4	40,417	1/4	51,180	1/4	61,942	1/4	72,680	1/4	83,423	1/4	94,189
1/2	77	1/2	8,542	1/2	19,333	1/2	29,960	1/2	40,641	1/2	51,404	1/2	62,167	1/2	72,903	1/2	83,647	1/2	94,413
3/4	96	3/4	8,767	3/4	19,558	3/4	30,178	3/4	40,866	3/4	51,628	3/4	62,391	3/4	73,126	3/4	83,872	3/4	94,638
1	114	1	8,992	1	19,782	1	30,397	1	41,090	1	51,852	1	62,615	1	73,349	1	84,096	1	94,862
1/4	170	1/4	9,217	1/4	20,007	1/4	30,615	1/4	41,314	1/4	52,077	1/4	62,839	1/4	73,572	1/4	84,320	1/4	95,086
1/2	227	1/2	9,441	1/2	20,232	1/2	30,834	1/2	41,538	1/2	52,301	1/2	63,063	1/2	73,795	1/2	84,545	1/2	95,310
3/4	283	3/4	9,666	3/4	20,457	3/4	31,052	3/4	41,762	3/4	52,525	3/4	63,288	3/4	74,018	3/4	84,769	3/4	95,535
2	339	2	9,891	2	20,682	2	31,271	2	41,987	2	52,749	2	63,512	2	74,240	2	84,993	2	95,759
1/4	433	1/4	10,116	1/4	20,906	1/4	31,489	1/4	42,211	1/4	52,973	1/4	63,736	1/4	74,463	1/4	85,217	1/4	95,983
1/2	526	1/2	10,341	1/2	21,131	1/2	31,707	1/2	42,435	1/2	53,198	1/2	63,960	1/2	74,686	1/2	85,442	1/2	96,208
3/4	620	3/4	10,565	3/4	21,356	3/4	31,926	3/4	42,659	3/4	53,422	3/4	64,185	3/4	74,909	3/4	85,666	3/4	96,432
3	714	3	10,790	3	21,581	3	32,144	3	42,884	3	53,646	3	64,409	3	75,132	3	85,890	3	96,656
1/4	845	1/4	11,015	1/4	21,806	1/4	32,363	1/4	43,108	1/4	53,870	1/4	64,633	1/4	75,355	1/4	86,115	1/4	96,881
1/2	976	1/2	11,240	1/2	22,030	1/2	32,581	1/2	43,332	1/2	54,095	1/2	64,857	1/2	75,578	1/2	86,339	1/2	97,105
3/4	1,107	3/4	11,465	3/4	22,255	3/4	32,799	3/4	43,556	3/4	54,319	3/4	65,081	3/4	75,801	3/4	86,563	3/4	97,329
4	1,238	4	11,689	4	22,480	4	33,018	4	43,780	4	54,543	4	65,306	4	76,023	4	86,787	4	97,553
1/4	1,407	1/4	11,914	1/4	22,705	1/4	33,242	1/4	44,005	1/4	54,767	1/4	65,530	1/4	76,247	1/4	87,012	1/4	97,778
1/2	1,575	1/2	12,139	1/2	22,930	1/2	33,466	1/2	44,229	1/2	54,991	1/2	65,754	1/2	76,471	1/2	87,236	1/2	98,002
3/4	1,744	3/4	12,364	3/4	23,154	3/4	33,690	3/4	44,453	3/4	55,216	3/4	65,978	3/4	76,694	3/4	87,460	3/4	98,226
5	1,912	5	12,589	5	23,379	5	33,915	5	44,677	5	55,440	5	66,203	5	76,918	5	87,685	5	98,451
1/4	2,118	1/4	12,813	1/4	23,604	1/4	34,139	1/4	44,902	1/4	55,664	1/4	66,427	1/4	77,142	1/4	87,909	1/4	98,675
1/2	2,323	1/2	13,038	1/2	23,829	1/2	34,363	1/2	45,126	1/2	55,888	1/2	66,651	1/2	77,366	1/2	88,133	1/2	98,899
3/4	2,529	3/4	13,263	3/4	24,054	3/4	34,587	3/4	45,350	3/4	56,113	3/4	66,875	3/4	77,591	3/4	88,357	3/4	99,123
6	2,734	6	13,488	6	24,278	6	34,812	6	45,574	6	56,337	6	67,099	6	77,815	6	88,582	6	99,348
1/4	2,954	1/4	13,713	1/4	24,497	1/4	35,036	1/4	45,798	1/4	56,561	1/4	67,323	1/4	78,039	1/4	88,806	1/4	99,572
1/2	3,175	1/2	13,937	1/2	24,716	1/2	35,260	1/2	46,023	1/2	56,785	1/2	67,547	1/2	78,264	1/2	89,030	1/2	99,796
3/4	3,395	3/4	14,162	3/4	24,935	3/4	35,484	3/4	46,247	3/4	57,009	3/4	67,770	3/4	78,488	3/4	89,255	3/4	100,021
7	3,615	7	14,387	7	25,154	7	35,708	7	46,471	7	57,234	7	67,994	7	78,712	7	89,479	7	100,245
1/4	3,838	1/4	14,612	1/4	25,372	1/4	35,933	1/4	46,695	1/4	57,458	1/4	68,218	1/4	78,937	1/4	89,703	1/4	100,469
1/2	4,060	1/2	14,837	1/2	25,591	1/2	36,157	1/2	46,919	1/2	57,682	1/2	68,441	1/2	79,161	1/2	89,927	1/2	100,693
3/4	4,282	3/4	15,061	3/4	25,810	3/4	36,381	3/4	47,144	3/4	57,906	3/4	68,665	3/4	79,385	3/4	90,152	3/4	100,918
8	4,505	8	15,286	8	26,029	8	36,605	8	47,368	8	58,131	8	68,888	8	79,610	8	90,376	8	101,142
1/4	4,728	1/4	15,511	1/4	26,247	1/4	36,830	1/4	47,592	1/4	58,355	1/4	69,112	1/4	79,834	1/4	90,600	1/4	101,366
1/2	4,951	1/2	15,736	1/2	26,466	1/2	37,054	1/2	47,816	1/2	58,579	1/2	69,336	1/2	80,058	1/2	90,825	1/2	101,591
3/4	5,175	3/4	15,961	3/4	26,684	3/4	37,278	3/4	48,041	3/4	58,803	3/4	69,559	3/4	80,283	3/4	91,049	3/4	101,815
9	5,398	9	16,185	9	26,902	9	37,502	9	48,265	9	59,027	9	69,783	9	80,507	9	91,273	9	102,039
1/4	5,623	1/4	16,410	1/4	27,121	1/4	37,726	1/4	48,489	1/4	59,252	1/4	70,006	1/4	80,731	1/4	91,498	1/4	102,263
1/2	5,847	1/2	16,635	1/2	27,339	1/2	37,951	1/2	48,713	1/2	59,476	1/2	70,229	1/2	80,956	1/2	91,722	1/2	102,488
3/4	6,071	3/4	16,860	3/4	27,558	3/4	38,175	3/4	48,937	3/4	59,700	3/4	70,452	3/4	81,180	3/4	91,946	3/4	102,712
10	6,295	10	17,085	10	27,776	10	38,399	10	49,162	10	59,924	10	70,675	10	81,404	10	92,170	10	102,936
1/4	6,520	1/4	17,309	1/4	27,994	1/4	38,623	1/4	49,386	1/4	60,149	1/4	70,897	1/4	81,629	1/4	92,395	1/4	103,161
1/2	6,744	1/2	17,534	1/2	28,213	1/2	38,848	1/2	49,610	1/2	60,373	1/2	71,120	1/2	81,853	1/2	92,619	1/2	103,385
3/4	6,969	3/4	17,759	3/4	28,431	3/4	39,072	3/4	49,834	3/4	60,597	3/4	71,343	3/4	82,077	3/4	92,843	3/4	103,609
11	7,193	11	17,984	11	28,650	11	39,296	11	50,059	11	60,821	11	71,566	11	82,301	11	93,068	11	103,834
1/4	7,418	1/4	18,209	1/4	28,868	1/4	39,520	1/4	50,283	1/4	61,045	1/4	71,789	1/4	82,526	1/4	93,292	1/4	104,058
1/2	7,643	1/2	18,433	1/2	29,086	1/2	39,744	1/2	50,507	1/2	61,270	1/2	72,012	1/2	82,750	1/2	93,516	1/2	104,282
3/4	7,868	3/4	18,658	3/4	29,305	3/4	39,969	3/4	50,731	3/4	61,494	3/4	72,235	3/4	82,974	3/4	93,740	3/4	104,506

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'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 1358"

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	104,731	0	114,833	0	124,294	0	133,714	0	143,117	0		0		0		0		0	
1/4	104,955	1/4	115,030	1/4	124,491	1/4	133,910	1/4	143,311	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	105,179	1/2	115,227	1/2	124,688	1/2	134,107	1/2	143,506	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	105,403	3/4	115,424	3/4	124,884	3/4	134,303	3/4	143,700	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	105,627	1	115,622	1	125,081	1	134,500	1	143,895	1	1	1	1	1	1	1	1	1	1
1/4	105,851	1/4	115,819	1/4	125,277	1/4	134,697	1/4	144,089	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	106,075	1/2	116,016	1/2	125,474	1/2	134,893	1/2	144,284	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	106,299	3/4	116,213	3/4	125,670	3/4	135,090	3/4	144,478	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	106,523	2	116,410	2	125,867	2	135,286	2	144,673	2	2	2	2	2	2	2	2	2	2
1/4	106,747	1/4	116,607	1/4	126,064	1/4	135,483	1/4	144,876	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	106,971	1/2	116,804	1/2	126,260	1/2	135,680	1/2	145,080	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	107,195	3/4	117,001	3/4	126,457	3/4	135,876	3/4	145,283	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	107,419	3	117,198	3	126,653	3	136,073	3	145,486	3	3	3	3	3	3	3	3	3	3
1/4	107,643	1/4	117,396	1/4	126,850	1/4	136,269	1/4	145,652	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	107,867	1/2	117,593	1/2	127,047	1/2	136,466	1/2	145,818	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	108,091	3/4	117,790	3/4	127,243	3/4	136,662	3/4	145,984	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	108,315	4	117,987	4	127,440	4	136,859	4	146,150	4	4	4	4	4	4	4	4	4	4
1/4	108,539	1/4	118,184	1/4	127,636	1/4	137,056	1/4	146,279	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	108,763	1/2	118,381	1/2	127,833	1/2	137,252	1/2	146,407	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	108,987	3/4	118,578	3/4	128,030	3/4	137,449	3/4	146,536	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	109,212	5	118,775	5	128,226	5	137,645	5	146,664	5	5	5	5	5	5	5	5	5	5
1/4	109,436	1/4	118,972	1/4	128,423	1/4	137,842	1/4	146,755	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	109,660	1/2	119,170	1/2	128,619	1/2	138,039	1/2	146,846	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	109,884	3/4	119,367	3/4	128,816	3/4	138,235	3/4	146,937	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	110,108	6	119,564	6	129,012	6	138,432	6	147,028	6	6	6	6	6	6	6	6	6	6
1/4	110,305	1/4	119,761	1/4	129,208	1/4	138,628	1/4	147,082	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	110,501	1/2	119,958	1/2	129,404	1/2	138,825	1/2	147,135	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	110,698	3/4	120,155	3/4	129,600	3/4	139,021	3/4	147,189	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	110,895	7	120,352	7	129,796	7	139,218	7	147,242	7	7	7	7	7	7	7	7	7	7
1/4	111,092	1/4	120,549	1/4	129,992	1/4	139,415	1/4	147,258	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	111,289	1/2	120,746	1/2	130,188	1/2	139,611	1/2	147,274	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	111,486	3/4	120,944	3/4	130,384	3/4	139,808	3/4	147,290	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	111,683	8	121,141	8	130,580	8	140,004	8	147,307	8	8	8	8	8	8	8	8	8	8
1/4	111,880	1/4	121,338	1/4	130,775	1/4	140,199	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	112,077	1/2	121,535	1/2	130,971	1/2	140,393	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	112,274	3/4	121,732	3/4	131,167	3/4	140,588	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	112,470	9	121,929	9	131,363	9	140,782	9		9	9	9	9	9	9	9	9	9	9
1/4	112,667	1/4	122,126	1/4	131,559	1/4	140,977	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	112,864	1/2	122,323	1/2	131,755	1/2	141,171	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	113,061	3/4	122,520	3/4	131,951	3/4	141,366	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	113,258	10	122,718	10	132,147	10	141,560	10		10	10	10	10	10	10	10	10	10	10
1/4	113,455	1/4	122,915	1/4	132,342	1/4	141,755	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	113,652	1/2	123,112	1/2	132,538	1/2	141,950	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	113,849	3/4	123,309	3/4	132,734	3/4	142,144	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	114,046	11	123,506	11	132,930	11	142,339	11		11	11	11	11	11	11	11	11	11	11
1/4	114,242	1/4	123,703	1/4	133,126	1/4	142,533	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	114,439	1/2	123,900	1/2	133,322	1/2	142,728	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	114,636	3/4	124,097	3/4	133,518	3/4	142,922	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: 02/12/2013 CL
CALCULATED: 02/12/2013 CL
PRINTED: 02/12/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

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



BARGE "CBC 1358"

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	9,050	0	21,122	0	33,048	0	44,974	0	57,048	0	69,121	0	81,194	0	93,267	0	105,338
1/4	60	1/4	9,301	1/4	21,374	1/4	33,292	1/4	45,226	1/4	57,299	1/4	69,372	1/4	81,445	1/4	93,518	1/4	105,589
1/2	81	1/2	9,553	1/2	21,625	1/2	33,537	1/2	45,478	1/2	57,551	1/2	69,624	1/2	81,697	1/2	93,770	1/2	105,841
3/4	102	3/4	9,804	3/4	21,877	3/4	33,781	3/4	45,729	3/4	57,802	3/4	69,875	3/4	81,948	3/4	94,021	3/4	106,092
1	123	1	10,056	1	22,128	1	34,025	1	45,981	1	58,054	1	70,127	1	82,200	1	94,273	1	106,344
1/4	186	1/4	10,307	1/4	22,380	1/4	34,269	1/4	46,232	1/4	58,305	1/4	70,378	1/4	82,451	1/4	94,524	1/4	106,595
1/2	249	1/2	10,559	1/2	22,631	1/2	34,513	1/2	46,484	1/2	58,557	1/2	70,630	1/2	82,703	1/2	94,776	1/2	106,847
3/4	312	3/4	10,810	3/4	22,883	3/4	34,757	3/4	46,735	3/4	58,808	3/4	70,881	3/4	82,954	3/4	95,027	3/4	107,098
2	375	2	11,062	2	23,134	2	35,001	2	46,987	2	59,060	2	71,133	2	83,206	2	95,279	2	107,350
1/4	479	1/4	11,313	1/4	23,386	1/4	35,245	1/4	47,238	1/4	59,311	1/4	71,384	1/4	83,457	1/4	95,530	1/4	107,601
1/2	584	1/2	11,565	1/2	23,638	1/2	35,489	1/2	47,490	1/2	59,563	1/2	71,636	1/2	83,709	1/2	95,782	1/2	107,853
3/4	689	3/4	11,816	3/4	23,889	3/4	35,733	3/4	47,741	3/4	59,814	3/4	71,887	3/4	83,960	3/4	96,033	3/4	108,104
3	794	3	12,068	3	24,141	3	35,978	3	47,993	3	60,066	3	72,139	3	84,212	3	96,284	3	108,355
1/4	940	1/4	12,319	1/4	24,392	1/4	36,222	1/4	48,244	1/4	60,317	1/4	72,390	1/4	84,463	1/4	96,536	1/4	108,607
1/2	1,087	1/2	12,571	1/2	24,644	1/2	36,466	1/2	48,496	1/2	60,569	1/2	72,642	1/2	84,715	1/2	96,787	1/2	108,858
3/4	1,234	3/4	12,822	3/4	24,895	3/4	36,710	3/4	48,747	3/4	60,820	3/4	72,893	3/4	84,967	3/4	97,039	3/4	109,110
4	1,381	4	13,074	4	25,147	4	36,954	4	48,999	4	61,072	4	73,145	4	85,218	4	97,290	4	109,361
1/4	1,569	1/4	13,325	1/4	25,398	1/4	37,198	1/4	49,250	1/4	61,323	1/4	73,396	1/4	85,470	1/4	97,542	1/4	109,613
1/2	1,758	1/2	13,577	1/2	25,650	1/2	37,443	1/2	49,502	1/2	61,575	1/2	73,648	1/2	85,721	1/2	97,793	1/2	109,864
3/4	1,946	3/4	13,829	3/4	25,901	3/4	37,687	3/4	49,753	3/4	61,826	3/4	73,900	3/4	85,973	3/4	98,045	3/4	110,116
5	2,135	5	14,080	5	26,153	5	37,932	5	50,005	5	62,078	5	74,151	5	86,224	5	98,296	5	110,367
1/4	2,365	1/4	14,332	1/4	26,404	1/4	38,183	1/4	50,256	1/4	62,330	1/4	74,403	1/4	86,476	1/4	98,548	1/4	110,619
1/2	2,595	1/2	14,583	1/2	26,656	1/2	38,435	1/2	50,508	1/2	62,581	1/2	74,654	1/2	86,727	1/2	98,799	1/2	110,870
3/4	2,825	3/4	14,835	3/4	26,907	3/4	38,686	3/4	50,759	3/4	62,833	3/4	74,906	3/4	86,979	3/4	99,051	3/4	111,122
6	3,055	6	15,086	6	27,159	6	38,938	6	51,011	6	63,084	6	75,157	6	87,230	6	99,302	6	111,373
1/4	3,301	1/4	15,338	1/4	27,410	1/4	39,189	1/4	51,263	1/4	63,336	1/4	75,409	1/4	87,482	1/4	99,554	1/4	111,625
1/2	3,548	1/2	15,589	1/2	27,662	1/2	39,441	1/2	51,514	1/2	63,587	1/2	75,660	1/2	87,733	1/2	99,805	1/2	111,876
3/4	3,794	3/4	15,841	3/4	27,913	3/4	39,693	3/4	51,766	3/4	63,839	3/4	75,912	3/4	87,985	3/4	100,057	3/4	112,128
7	4,041	7	16,092	7	28,165	7	39,944	7	52,017	7	64,090	7	76,163	7	88,236	7	100,308	7	112,379
1/4	4,289	1/4	16,344	1/4	28,409	1/4	40,196	1/4	52,269	1/4	64,342	1/4	76,415	1/4	88,488	1/4	100,560	1/4	112,631
1/2	4,538	1/2	16,595	1/2	28,654	1/2	40,447	1/2	52,520	1/2	64,593	1/2	76,666	1/2	88,739	1/2	100,811	1/2	112,882
3/4	4,787	3/4	16,847	3/4	28,898	3/4	40,699	3/4	52,772	3/4	64,845	3/4	76,918	3/4	88,991	3/4	101,063	3/4	113,134
8	5,036	8	17,098	8	29,143	8	40,950	8	53,023	8	65,096	8	77,169	8	89,242	8	101,314	8	113,385
1/4	5,285	1/4	17,350	1/4	29,387	1/4	41,202	1/4	53,275	1/4	65,348	1/4	77,421	1/4	89,494	1/4	101,566	1/4	113,637
1/2	5,535	1/2	17,601	1/2	29,631	1/2	41,453	1/2	53,526	1/2	65,599	1/2	77,672	1/2	89,745	1/2	101,817	1/2	113,888
3/4	5,785	3/4	17,853	3/4	29,875	3/4	41,705	3/4	53,778	3/4	65,851	3/4	77,924	3/4	89,997	3/4	102,069	3/4	114,139
9	6,035	9	18,104	9	30,119	9	41,956	9	54,029	9	66,102	9	78,175	9	90,248	9	102,320	9	114,391
1/4	6,286	1/4	18,356	1/4	30,363	1/4	42,208	1/4	54,281	1/4	66,354	1/4	78,427	1/4	90,500	1/4	102,571	1/4	114,642
1/2	6,537	1/2	18,607	1/2	30,607	1/2	42,459	1/2	54,532	1/2	66,605	1/2	78,678	1/2	90,752	1/2	102,823	1/2	114,894
3/4	6,788	3/4	18,859	3/4	30,851	3/4	42,711	3/4	54,784	3/4	66,857	3/4	78,930	3/4	91,003	3/4	103,074	3/4	115,145
10	7,039	10	19,110	10	31,095	10	42,962	10	55,035	10	67,108	10	79,182	10	91,255	10	103,326	10	115,397
1/4	7,290	1/4	19,362	1/4	31,340	1/4	43,214	1/4	55,287	1/4	67,360	1/4	79,433	1/4	91,506	1/4	103,577	1/4	115,648
1/2	7,541	1/2	19,613	1/2	31,584	1/2	43,465	1/2	55,538	1/2	67,611	1/2	79,685	1/2	91,758	1/2	103,829	1/2	115,900
3/4	7,792	3/4	19,865	3/4	31,828	3/4	43,717	3/4	55,790	3/4	67,863	3/4	79,936	3/4	92,009	3/4	104,080	3/4	116,151
11	8,044	11	20,116	11	32,072	11	43,968	11	56,041	11	68,115	11	80,188	11	92,261	11	104,332	11	116,403
1/4	8,295	1/4	20,368	1/4	32,316	1/4	44,220	1/4	56,293	1/4	68,366	1/4	80,439	1/4	92,512	1/4	104,583	1/4	116,654
1/2	8,547	1/2	20,619	1/2	32,560	1/2	44,471	1/2	56,545	1/2	68,618	1/2	80,691	1/2	92,764	1/2	104,835	1/2	116,906
3/4	8,798	3/4	20,871	3/4	32,804	3/4	44,723	3/4	56,796	3/4	68,869	3/4	80,942	3/4	93,015	3/4	105,086	3/4	117,157

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

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

PRECISION MEASUREMENT
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BARGE "CBC 1358"

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	117,409	0	129,480	0	141,551	0	153,555	0	165,521	0		0		0		0		0	
1/4	117,660	1/4	129,731	1/4	141,801	1/4	153,805	1/4	165,769	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	117,912	1/2	129,983	1/2	142,051	1/2	154,055	1/2	166,017	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	118,163	3/4	130,234	3/4	142,301	3/4	154,305	3/4	166,265	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	118,415	1	130,486	1	142,551	1	154,555	1	166,513	1	1	1	1	1	1	1	1	1	1
1/4	118,666	1/4	130,737	1/4	142,801	1/4	154,805	1/4	166,760	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	118,918	1/2	130,989	1/2	143,051	1/2	155,055	1/2	167,008	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	119,169	3/4	131,240	3/4	143,301	3/4	155,305	3/4	167,256	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	119,421	2	131,492	2	143,551	2	155,555	2	167,504	2	2	2	2	2	2	2	2	2	2
1/4	119,672	1/4	131,743	1/4	143,801	1/4	155,805	1/4	167,730	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	119,924	1/2	131,995	1/2	144,052	1/2	156,055	1/2	167,957	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	120,175	3/4	132,246	3/4	144,302	3/4	156,305	3/4	168,184	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	120,426	3	132,497	3	144,552	3	156,556	3	168,411	3	3	3	3	3	3	3	3	3	3
1/4	120,678	1/4	132,749	1/4	144,802	1/4	156,806	1/4	168,596	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	120,929	1/2	133,000	1/2	145,052	1/2	157,056	1/2	168,781	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	121,181	3/4	133,252	3/4	145,302	3/4	157,306	3/4	168,966	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	121,432	4	133,503	4	145,552	4	157,556	4	169,150	4	4	4	4	4	4	4	4	4	4
1/4	121,684	1/4	133,755	1/4	145,802	1/4	157,806	1/4	169,293	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	121,935	1/2	134,006	1/2	146,052	1/2	158,056	1/2	169,436	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	122,187	3/4	134,258	3/4	146,302	3/4	158,306	3/4	169,579	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	122,438	5	134,509	5	146,552	5	158,556	5	169,722	5	5	5	5	5	5	5	5	5	5
1/4	122,690	1/4	134,761	1/4	146,802	1/4	158,806	1/4	169,823	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	122,941	1/2	135,012	1/2	147,052	1/2	159,056	1/2	169,924	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	123,193	3/4	135,264	3/4	147,303	3/4	159,306	3/4	170,025	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	123,444	6	135,515	6	147,553	6	159,557	6	170,127	6	6	6	6	6	6	6	6	6	6
1/4	123,696	1/4	135,767	1/4	147,803	1/4	159,807	1/4	170,186	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	123,947	1/2	136,018	1/2	148,053	1/2	160,057	1/2	170,245	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	124,199	3/4	136,270	3/4	148,303	3/4	160,307	3/4	170,304	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	124,450	7	136,521	7	148,553	7	160,557	7	170,363	7	7	7	7	7	7	7	7	7	7
1/4	124,702	1/4	136,773	1/4	148,803	1/4	160,807	1/4	170,380	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	124,953	1/2	137,024	1/2	149,053	1/2	161,057	1/2	170,397	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	125,205	3/4	137,276	3/4	149,303	3/4	161,307	3/4	170,415	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	125,456	8	137,527	8	149,553	8	161,557	8	170,432	8	8	8	8	8	8	8	8	8	8
1/4	125,708	1/4	137,779	1/4	149,803	1/4	161,805	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	125,959	1/2	138,030	1/2	150,053	1/2	162,053	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	126,210	3/4	138,281	3/4	150,304	3/4	162,300	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	126,462	9	138,533	9	150,554	9	162,548	9		9	9	9	9	9	9	9	9	9	9
1/4	126,713	1/4	138,784	1/4	150,804	1/4	162,796	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	126,965	1/2	139,036	1/2	151,054	1/2	163,044	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	127,216	3/4	139,287	3/4	151,304	3/4	163,292	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	127,468	10	139,539	10	151,554	10	163,539	10		10	10	10	10	10	10	10	10	10	10
1/4	127,719	1/4	139,790	1/4	151,804	1/4	163,787	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	127,971	1/2	140,042	1/2	152,054	1/2	164,035	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	128,222	3/4	140,293	3/4	152,304	3/4	164,283	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	128,474	11	140,545	11	152,554	11	164,530	11		11	11	11	11	11	11	11	11	11	11
1/4	128,725	1/4	140,796	1/4	152,804	1/4	164,778	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	128,977	1/2	141,048	1/2	153,054	1/2	165,026	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	129,228	3/4	141,299	3/4	153,305	3/4	165,274	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: 02/12/2013 CL
CALCULATED: 02/12/2013 CL
PRINTED: 02/12/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

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



BARGE "CBC 1358"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	39	0	8,033	0	18,744	0	29,441	0	40,141	0	50,852	0	61,564	0	72,275	0	82,987	0	93,696
1/4	58	1/4	8,257	1/4	18,968	1/4	29,664	1/4	40,364	1/4	51,076	1/4	61,787	1/4	72,498	1/4	83,210	1/4	93,919
1/2	76	1/2	8,480	1/2	19,191	1/2	29,886	1/2	40,587	1/2	51,299	1/2	62,010	1/2	72,721	1/2	83,433	1/2	94,142
3/4	95	3/4	8,703	3/4	19,414	3/4	30,108	3/4	40,811	3/4	51,522	3/4	62,233	3/4	72,945	3/4	83,656	3/4	94,365
1	114	1	8,926	1	19,637	1	30,331	1	41,034	1	51,745	1	62,456	1	73,168	1	83,879	1	94,589
1/4	169	1/4	9,149	1/4	19,860	1/4	30,553	1/4	41,257	1/4	51,968	1/4	62,680	1/4	73,391	1/4	84,102	1/4	94,812
1/2	225	1/2	9,372	1/2	20,083	1/2	30,776	1/2	41,480	1/2	52,191	1/2	62,903	1/2	73,614	1/2	84,325	1/2	95,035
3/4	281	3/4	9,595	3/4	20,306	3/4	30,998	3/4	41,703	3/4	52,414	3/4	63,126	3/4	73,837	3/4	84,548	3/4	95,258
2	337	2	9,819	2	20,530	2	31,221	2	41,926	2	52,638	2	63,349	2	74,060	2	84,771	2	95,481
1/4	430	1/4	10,042	1/4	20,753	1/4	31,443	1/4	42,149	1/4	52,861	1/4	63,572	1/4	74,284	1/4	84,995	1/4	95,704
1/2	523	1/2	10,265	1/2	20,976	1/2	31,666	1/2	42,373	1/2	53,084	1/2	63,795	1/2	74,507	1/2	85,218	1/2	95,927
3/4	616	3/4	10,488	3/4	21,199	3/4	31,888	3/4	42,596	3/4	53,307	3/4	64,018	3/4	74,730	3/4	85,441	3/4	96,150
3	709	3	10,711	3	21,422	3	32,110	3	42,819	3	53,530	3	64,242	3	74,953	3	85,664	3	96,373
1/4	839	1/4	10,934	1/4	21,645	1/4	32,333	1/4	43,042	1/4	53,753	1/4	64,465	1/4	75,176	1/4	85,887	1/4	96,597
1/2	969	1/2	11,157	1/2	21,868	1/2	32,555	1/2	43,265	1/2	53,977	1/2	64,688	1/2	75,399	1/2	86,110	1/2	96,820
3/4	1,099	3/4	11,381	3/4	22,092	3/4	32,778	3/4	43,488	3/4	54,200	3/4	64,911	3/4	75,622	3/4	86,333	3/4	97,043
4	1,229	4	11,604	4	22,315	4	33,000	4	43,712	4	54,423	4	65,134	4	75,846	4	86,556	4	97,266
1/4	1,397	1/4	11,827	1/4	22,538	1/4	33,223	1/4	43,935	1/4	54,646	1/4	65,357	1/4	76,069	1/4	86,780	1/4	97,489
1/2	1,564	1/2	12,050	1/2	22,761	1/2	33,446	1/2	44,158	1/2	54,869	1/2	65,581	1/2	76,292	1/2	87,003	1/2	97,712
3/4	1,731	3/4	12,273	3/4	22,984	3/4	33,670	3/4	44,381	3/4	55,092	3/4	65,804	3/4	76,515	3/4	87,226	3/4	97,935
5	1,899	5	12,496	5	23,207	5	33,893	5	44,604	5	55,315	5	66,027	5	76,738	5	87,449	5	98,158
1/4	2,103	1/4	12,719	1/4	23,430	1/4	34,116	1/4	44,827	1/4	55,539	1/4	66,250	1/4	76,961	1/4	87,672	1/4	98,382
1/2	2,307	1/2	12,943	1/2	23,654	1/2	34,339	1/2	45,050	1/2	55,762	1/2	66,473	1/2	77,185	1/2	87,895	1/2	98,605
3/4	2,511	3/4	13,166	3/4	23,877	3/4	34,562	3/4	45,274	3/4	55,985	3/4	66,696	3/4	77,408	3/4	88,118	3/4	98,828
6	2,715	6	13,389	6	24,100	6	34,785	6	45,497	6	56,208	6	66,919	6	77,631	6	88,341	6	99,051
1/4	2,933	1/4	13,612	1/4	24,323	1/4	35,009	1/4	45,720	1/4	56,431	1/4	67,143	1/4	77,854	1/4	88,564	1/4	99,274
1/2	3,152	1/2	13,835	1/2	24,545	1/2	35,232	1/2	45,943	1/2	56,654	1/2	67,366	1/2	78,077	1/2	88,788	1/2	99,497
3/4	3,371	3/4	14,058	3/4	24,768	3/4	35,455	3/4	46,166	3/4	56,878	3/4	67,589	3/4	78,300	3/4	89,011	3/4	99,720
7	3,589	7	14,281	7	24,991	7	35,678	7	46,389	7	57,101	7	67,812	7	78,523	7	89,234	7	99,943
1/4	3,810	1/4	14,505	1/4	25,214	1/4	35,901	1/4	46,613	1/4	57,324	1/4	68,035	1/4	78,747	1/4	89,457	1/4	100,166
1/2	4,031	1/2	14,728	1/2	25,437	1/2	36,124	1/2	46,836	1/2	57,547	1/2	68,258	1/2	78,970	1/2	89,680	1/2	100,390
3/4	4,251	3/4	14,951	3/4	25,659	3/4	36,347	3/4	47,059	3/4	57,770	3/4	68,482	3/4	79,193	3/4	89,903	3/4	100,613
8	4,472	8	15,174	8	25,882	8	36,571	8	47,282	8	57,993	8	68,705	8	79,416	8	90,126	8	100,836
1/4	4,694	1/4	15,397	1/4	26,105	1/4	36,794	1/4	47,505	1/4	58,216	1/4	68,928	1/4	79,639	1/4	90,349	1/4	101,059
1/2	4,916	1/2	15,620	1/2	26,327	1/2	37,017	1/2	47,728	1/2	58,440	1/2	69,151	1/2	79,862	1/2	90,572	1/2	101,282
3/4	5,137	3/4	15,843	3/4	26,549	3/4	37,240	3/4	47,951	3/4	58,663	3/4	69,374	3/4	80,086	3/4	90,796	3/4	101,505
9	5,359	9	16,067	9	26,772	9	37,463	9	48,175	9	58,886	9	69,597	9	80,309	9	91,019	9	101,728
1/4	5,582	1/4	16,290	1/4	26,994	1/4	37,686	1/4	48,398	1/4	59,109	1/4	69,820	1/4	80,532	1/4	91,242	1/4	101,951
1/2	5,804	1/2	16,513	1/2	27,217	1/2	37,910	1/2	48,621	1/2	59,332	1/2	70,044	1/2	80,755	1/2	91,465	1/2	102,175
3/4	6,027	3/4	16,736	3/4	27,439	3/4	38,133	3/4	48,844	3/4	59,555	3/4	70,267	3/4	80,978	3/4	91,688	3/4	102,398
10	6,249	10	16,959	10	27,662	10	38,356	10	49,067	10	59,779	10	70,490	10	81,201	10	91,911	10	102,621
1/4	6,472	1/4	17,182	1/4	27,884	1/4	38,579	1/4	49,290	1/4	60,002	1/4	70,713	1/4	81,424	1/4	92,134	1/4	102,844
1/2	6,695	1/2	17,405	1/2	28,107	1/2	38,802	1/2	49,514	1/2	60,225	1/2	70,936	1/2	81,648	1/2	92,357	1/2	103,067
3/4	6,918	3/4	17,629	3/4	28,329	3/4	39,025	3/4	49,737	3/4	60,448	3/4	71,159	3/4	81,871	3/4	92,581	3/4	103,290
11	7,141	11	17,852	11	28,551	11	39,248	11	49,960	11	60,671	11	71,383	11	82,094	11	92,804	11	103,513
1/4	7,364	1/4	18,075	1/4	28,774	1/4	39,472	1/4	50,183	1/4	60,894	1/4	71,606	1/4	82,317	1/4	93,027	1/4	103,736
1/2	7,587	1/2	18,298	1/2	28,996	1/2	39,695	1/2	50,406	1/2	61,117	1/2	71,829	1/2	82,540	1/2	93,250	1/2	103,959
3/4	7,810	3/4	18,521	3/4	29,219	3/4	39,918	3/4	50,629	3/4	61,341	3/4	72,052	3/4	82,763	3/4	93,473	3/4	104,183

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 24'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 1358"

3 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	104,406	0	115,115	0	125,825	0	136,476	0	147,094	0		0		0		0		0	
1/4	104,629	1/4	115,338	1/4	126,047	1/4	136,698	1/4	147,314	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	104,852	1/2	115,561	1/2	126,269	1/2	136,919	1/2	147,533	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	105,075	3/4	115,785	3/4	126,490	3/4	137,141	3/4	147,753	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	105,298	1	116,008	1	126,712	1	137,363	1	147,973	1	1	1	1	1	1	1	1	1	1
1/4	105,521	1/4	116,231	1/4	126,934	1/4	137,585	1/4	148,193	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	105,744	1/2	116,454	1/2	127,156	1/2	137,807	1/2	148,413	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	105,967	3/4	116,677	3/4	127,378	3/4	138,029	3/4	148,633	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	106,191	2	116,900	2	127,600	2	138,251	2	148,852	2	2	2	2	2	2	2	2	2	2
1/4	106,414	1/4	117,123	1/4	127,822	1/4	138,473	1/4	149,054	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	106,637	1/2	117,346	1/2	128,044	1/2	138,695	1/2	149,255	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	106,860	3/4	117,570	3/4	128,266	3/4	138,916	3/4	149,456	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	107,083	3	117,793	3	128,488	3	139,138	3	149,657	3	3	3	3	3	3	3	3	3	3
1/4	107,306	1/4	118,016	1/4	128,709	1/4	139,360	1/4	149,821	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	107,529	1/2	118,239	1/2	128,931	1/2	139,582	1/2	149,985	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	107,752	3/4	118,462	3/4	129,153	3/4	139,804	3/4	150,150	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	107,976	4	118,685	4	129,375	4	140,026	4	150,314	4	4	4	4	4	4	4	4	4	4
1/4	108,199	1/4	118,908	1/4	129,597	1/4	140,248	1/4	150,440	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	108,422	1/2	119,131	1/2	129,819	1/2	140,470	1/2	150,567	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	108,645	3/4	119,354	3/4	130,041	3/4	140,692	3/4	150,694	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	108,868	5	119,578	5	130,263	5	140,913	5	150,821	5	5	5	5	5	5	5	5	5	5
1/4	109,091	1/4	119,801	1/4	130,485	1/4	141,135	1/4	150,911	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	109,314	1/2	120,024	1/2	130,706	1/2	141,357	1/2	151,000	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	109,537	3/4	120,247	3/4	130,928	3/4	141,579	3/4	151,090	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	109,760	6	120,470	6	131,150	6	141,801	6	151,180	6	6	6	6	6	6	6	6	6	6
1/4	109,984	1/4	120,693	1/4	131,372	1/4	142,023	1/4	151,232	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	110,207	1/2	120,916	1/2	131,594	1/2	142,245	1/2	151,285	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	110,430	3/4	121,139	3/4	131,816	3/4	142,467	3/4	151,337	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	110,653	7	121,362	7	132,038	7	142,689	7	151,390	7	7	7	7	7	7	7	7	7	7
1/4	110,876	1/4	121,586	1/4	132,260	1/4	142,911	1/4	151,405	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	111,099	1/2	121,809	1/2	132,482	1/2	143,132	1/2	151,420	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	111,322	3/4	122,032	3/4	132,703	3/4	143,354	3/4	151,435	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	111,545	8	122,255	8	132,925	8	143,576	8	151,451	8	8	8	8	8	8	8	8	8	8
1/4	111,768	1/4	122,478	1/4	133,147	1/4	143,796	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	111,992	1/2	122,701	1/2	133,369	1/2	144,016	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	112,215	3/4	122,924	3/4	133,591	3/4	144,236	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	112,438	9	123,147	9	133,813	9	144,456	9		9	9	9	9	9	9	9	9	9	9
1/4	112,661	1/4	123,371	1/4	134,035	1/4	144,675	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	112,884	1/2	123,594	1/2	134,257	1/2	144,895	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	113,107	3/4	123,817	3/4	134,479	3/4	145,115	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	113,330	10	124,040	10	134,700	10	145,335	10		10	10	10	10	10	10	10	10	10	10
1/4	113,553	1/4	124,263	1/4	134,922	1/4	145,555	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	113,777	1/2	124,486	1/2	135,144	1/2	145,775	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	114,000	3/4	124,709	3/4	135,366	3/4	145,994	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	114,223	11	124,932	11	135,588	11	146,214	11		11	11	11	11	11	11	11	11	11	11
1/4	114,446	1/4	125,155	1/4	135,810	1/4	146,434	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	114,669	1/2	125,379	1/2	136,032	1/2	146,654	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	114,892	3/4	125,602	3/4	136,254	3/4	146,874	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: 02/12/2013 CL
CALCULATED: 02/12/2013 CL
PRINTED: 02/12/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

PRECISION MEASUREMENT
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BARGE "CBC 1358"

ULLAGE TRIM TABLE

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

February 12, 2013

**PRECISION MEASUREMENT
 & ANALYSIS, INC.**
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 Pearland, Texas 77588

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BARGE "CBC 1358"

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	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	0	147,307	0	140,004	0	130,580	0	121,141	0	111,683	0	101,142	0	90,376	0	79,610		
1/4	1/4	1/4	147,290	1/4	139,808	1/4	130,384	1/4	120,944	1/4	111,486	1/4	100,918	1/4	90,152	1/4	79,385		
1/2	1/2	1/2	147,274	1/2	139,611	1/2	130,188	1/2	120,746	1/2	111,289	1/2	100,693	1/2	89,927	1/2	79,161		
3/4	3/4	3/4	147,258	3/4	139,415	3/4	129,992	3/4	120,549	3/4	111,092	3/4	100,469	3/4	89,703	3/4	78,937		
1	1	1	147,242	1	139,218	1	129,796	1	120,352	1	110,895	1	100,245	1	89,479	1	78,712		
1/4	1/4	1/4	147,189	1/4	139,021	1/4	129,600	1/4	120,155	1/4	110,698	1/4	100,021	1/4	89,255	1/4	78,488		
1/2	1/2	1/2	147,135	1/2	138,825	1/2	129,404	1/2	119,958	1/2	110,501	1/2	99,796	1/2	89,030	1/2	78,264		
3/4	3/4	3/4	147,082	3/4	138,628	3/4	129,208	3/4	119,761	3/4	110,305	3/4	99,572	3/4	88,806	3/4	78,039		
2	2	2	147,028	2	138,432	2	129,012	2	119,564	2	110,108	2	99,348	2	88,582	2	77,815		
1/4	1/4	1/4	146,937	1/4	138,235	1/4	128,816	1/4	119,367	1/4	109,884	1/4	99,123	1/4	88,357	1/4	77,591		
1/2	1/2	1/2	146,846	1/2	138,039	1/2	128,619	1/2	119,170	1/2	109,660	1/2	98,899	1/2	88,133	1/2	77,366		
3/4	3/4	3/4	146,755	3/4	137,842	3/4	128,423	3/4	118,972	3/4	109,436	3/4	98,675	3/4	87,909	3/4	77,142		
3	3	3	146,664	3	137,645	3	128,226	3	118,775	3	109,212	3	98,451	3	87,685	3	76,918		
1/4	1/4	1/4	146,536	1/4	137,449	1/4	128,030	1/4	118,578	1/4	108,987	1/4	98,226	1/4	87,460	1/4	76,694		
1/2	1/2	1/2	146,407	1/2	137,252	1/2	127,833	1/2	118,381	1/2	108,763	1/2	98,002	1/2	87,236	1/2	76,471		
3/4	3/4	3/4	146,279	3/4	137,056	3/4	127,636	3/4	118,184	3/4	108,539	3/4	97,778	3/4	87,012	3/4	76,247		
4	4	4	146,150	4	136,859	4	127,440	4	117,987	4	108,315	4	97,553	4	86,787	4	76,023		
1/4	1/4	1/4	145,984	1/4	136,662	1/4	127,243	1/4	117,790	1/4	108,091	1/4	97,329	1/4	86,563	1/4	75,801		
1/2	1/2	1/2	145,818	1/2	136,466	1/2	127,047	1/2	117,593	1/2	107,867	1/2	97,105	1/2	86,339	1/2	75,578		
3/4	3/4	3/4	145,652	3/4	136,269	3/4	126,850	3/4	117,396	3/4	107,643	3/4	96,881	3/4	86,115	3/4	75,355		
5	5	5	145,486	5	136,073	5	126,653	5	117,198	5	107,419	5	96,656	5	85,890	5	75,132		
1/4	1/4	1/4	145,283	1/4	135,876	1/4	126,457	1/4	117,001	1/4	107,195	1/4	96,432	1/4	85,666	1/4	74,909		
1/2	1/2	1/2	145,080	1/2	135,680	1/2	126,260	1/2	116,804	1/2	106,971	1/2	96,208	1/2	85,442	1/2	74,686		
3/4	3/4	3/4	144,876	3/4	135,483	3/4	126,064	3/4	116,607	3/4	106,747	3/4	95,983	3/4	85,217	3/4	74,463		
6	6	6	144,673	6	135,286	6	125,867	6	116,410	6	106,523	6	95,759	6	84,993	6	74,240		
1/4	1/4	1/4	144,478	1/4	135,090	1/4	125,670	1/4	116,213	1/4	106,299	1/4	95,535	1/4	84,769	1/4	74,018		
1/2	1/2	1/2	144,284	1/2	134,893	1/2	125,474	1/2	116,016	1/2	106,075	1/2	95,310	1/2	84,545	1/2	73,795		
3/4	3/4	3/4	144,089	3/4	134,697	3/4	125,277	3/4	115,819	3/4	105,851	3/4	95,086	3/4	84,320	3/4	73,572		
7	7	7	143,895	7	134,500	7	125,081	7	115,622	7	105,627	7	94,862	7	84,096	7	73,349		
1/4	1/4	1/4	143,700	1/4	134,303	1/4	124,884	1/4	115,424	1/4	105,403	1/4	94,638	1/4	83,872	1/4	73,126		
1/2	1/2	1/2	143,506	1/2	134,107	1/2	124,688	1/2	115,227	1/2	105,179	1/2	94,413	1/2	83,647	1/2	72,903		
3/4	3/4	3/4	143,311	3/4	133,910	3/4	124,491	3/4	115,030	3/4	104,955	3/4	94,189	3/4	83,423	3/4	72,680		
8	8	8	143,117	8	133,714	8	124,294	8	114,833	8	104,731	8	93,965	8	83,199	8	72,457		
1/4	1/4	1/4	142,922	1/4	133,518	1/4	124,097	1/4	114,636	1/4	104,506	1/4	93,740	1/4	82,974	1/4	72,235		
1/2	1/2	1/2	142,728	1/2	133,322	1/2	123,900	1/2	114,439	1/2	104,282	1/2	93,516	1/2	82,750	1/2	72,012		
3/4	3/4	3/4	142,533	3/4	133,126	3/4	123,703	3/4	114,242	3/4	104,058	3/4	93,292	3/4	82,526	3/4	71,789		
9	9	9	142,339	9	132,930	9	123,506	9	114,046	9	103,834	9	93,068	9	82,301	9	71,566		
1/4	1/4	1/4	142,144	1/4	132,734	1/4	123,309	1/4	113,849	1/4	103,609	1/4	92,843	1/4	82,077	1/4	71,343		
1/2	1/2	1/2	141,950	1/2	132,538	1/2	123,112	1/2	113,652	1/2	103,385	1/2	92,619	1/2	81,853	1/2	71,120		
3/4	3/4	3/4	141,755	3/4	132,342	3/4	122,915	3/4	113,455	3/4	103,161	3/4	92,395	3/4	81,629	3/4	70,897		
10	10	10	141,560	10	132,147	10	122,718	10	113,258	10	102,936	10	92,170	10	81,404	10	70,675		
1/4	1/4	1/4	141,366	1/4	131,951	1/4	122,520	1/4	113,061	1/4	102,712	1/4	91,946	1/4	81,180	1/4	70,452		
1/2	1/2	1/2	141,171	1/2	131,755	1/2	122,323	1/2	112,864	1/2	102,488	1/2	91,722	1/2	80,956	1/2	70,229		
3/4	3/4	3/4	140,977	3/4	131,559	3/4	122,126	3/4	112,667	3/4	102,263	3/4	91,498	3/4	80,731	3/4	70,006		
11	11	11	140,782	11	131,363	11	121,929	11	112,470	11	102,039	11	91,273	11	80,507	11	69,783		
1/4	1/4	1/4	140,588	1/4	131,167	1/4	121,732	1/4	112,274	1/4	101,815	1/4	91,049	1/4	80,283	1/4	69,559		
1/2	1/2	1/2	140,393	1/2	130,971	1/2	121,535	1/2	112,077	1/2	101,591	1/2	90,825	1/2	80,058	1/2	69,336		
3/4	3/4	3/4	140,199	3/4	130,775	3/4	121,338	3/4	111,880	3/4	101,366	3/4	90,600	3/4	79,834	3/4	69,112		

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'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 1358"

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	68,888	0	58,131	0	47,368	0	36,605	0	26,029	0	15,286	0	4,505	0		0		0	
1/4	68,665	1/4	57,906	1/4	47,144	1/4	36,381	1/4	25,810	1/4	15,061	1/4	4,282	1/4	1/4	1/4	1/4	1/4	1/4
1/2	68,441	1/2	57,682	1/2	46,919	1/2	36,157	1/2	25,591	1/2	14,837	1/2	4,060	1/2	1/2	1/2	1/2	1/2	1/2
3/4	68,218	3/4	57,458	3/4	46,695	3/4	35,933	3/4	25,372	3/4	14,612	3/4	3,838	3/4	3/4	3/4	3/4	3/4	3/4
1	67,994	1	57,234	1	46,471	1	35,708	1	25,154	1	14,387	1	3,615	1	1	1	1	1	1
1/4	67,770	1/4	57,009	1/4	46,247	1/4	35,484	1/4	24,935	1/4	14,162	1/4	3,395	1/4	1/4	1/4	1/4	1/4	1/4
1/2	67,547	1/2	56,785	1/2	46,023	1/2	35,260	1/2	24,716	1/2	13,937	1/2	3,175	1/2	1/2	1/2	1/2	1/2	1/2
3/4	67,323	3/4	56,561	3/4	45,798	3/4	35,036	3/4	24,497	3/4	13,713	3/4	2,954	3/4	3/4	3/4	3/4	3/4	3/4
2	67,099	2	56,337	2	45,574	2	34,812	2	24,278	2	13,488	2	2,734	2	2	2	2	2	2
1/4	66,875	1/4	56,113	1/4	45,350	1/4	34,587	1/4	24,054	1/4	13,263	1/4	2,529	1/4	1/4	1/4	1/4	1/4	1/4
1/2	66,651	1/2	55,888	1/2	45,126	1/2	34,363	1/2	23,829	1/2	13,038	1/2	2,323	1/2	1/2	1/2	1/2	1/2	1/2
3/4	66,427	3/4	55,664	3/4	44,902	3/4	34,139	3/4	23,604	3/4	12,813	3/4	2,118	3/4	3/4	3/4	3/4	3/4	3/4
3	66,203	3	55,440	3	44,677	3	33,915	3	23,379	3	12,589	3	1,912	3	3	3	3	3	3
1/4	65,978	1/4	55,216	1/4	44,453	1/4	33,690	1/4	23,154	1/4	12,364	1/4	1,744	1/4	1/4	1/4	1/4	1/4	1/4
1/2	65,754	1/2	54,991	1/2	44,229	1/2	33,466	1/2	22,930	1/2	12,139	1/2	1,575	1/2	1/2	1/2	1/2	1/2	1/2
3/4	65,530	3/4	54,767	3/4	44,005	3/4	33,242	3/4	22,705	3/4	11,914	3/4	1,407	3/4	3/4	3/4	3/4	3/4	3/4
4	65,306	4	54,543	4	43,780	4	33,018	4	22,480	4	11,689	4	1,238	4	4	4	4	4	4
1/4	65,081	1/4	54,319	1/4	43,556	1/4	32,799	1/4	22,255	1/4	11,465	1/4	1,107	1/4	1/4	1/4	1/4	1/4	1/4
1/2	64,857	1/2	54,095	1/2	43,332	1/2	32,581	1/2	22,030	1/2	11,240	1/2	976	1/2	1/2	1/2	1/2	1/2	1/2
3/4	64,633	3/4	53,870	3/4	43,108	3/4	32,363	3/4	21,806	3/4	11,015	3/4	845	3/4	3/4	3/4	3/4	3/4	3/4
5	64,409	5	53,646	5	42,884	5	32,144	5	21,581	5	10,790	5	714	5	5	5	5	5	5
1/4	64,185	1/4	53,422	1/4	42,659	1/4	31,926	1/4	21,356	1/4	10,565	1/4	620	1/4	1/4	1/4	1/4	1/4	1/4
1/2	63,960	1/2	53,198	1/2	42,435	1/2	31,707	1/2	21,131	1/2	10,341	1/2	526	1/2	1/2	1/2	1/2	1/2	1/2
3/4	63,736	3/4	52,973	3/4	42,211	3/4	31,489	3/4	20,906	3/4	10,116	3/4	433	3/4	3/4	3/4	3/4	3/4	3/4
6	63,512	6	52,749	6	41,987	6	31,271	6	20,682	6	9,891	6	339	6	6	6	6	6	6
1/4	63,288	1/4	52,525	1/4	41,762	1/4	31,052	1/4	20,457	1/4	9,666	1/4	283	1/4	1/4	1/4	1/4	1/4	1/4
1/2	63,063	1/2	52,301	1/2	41,538	1/2	30,834	1/2	20,232	1/2	9,441	1/2	227	1/2	1/2	1/2	1/2	1/2	1/2
3/4	62,839	3/4	52,077	3/4	41,314	3/4	30,615	3/4	20,007	3/4	9,217	3/4	170	3/4	3/4	3/4	3/4	3/4	3/4
7	62,615	7	51,852	7	41,090	7	30,397	7	19,782	7	8,992	7	114	7	7	7	7	7	7
1/4	62,391	1/4	51,628	1/4	40,866	1/4	30,178	1/4	19,558	1/4	8,767	1/4	96	1/4	1/4	1/4	1/4	1/4	1/4
1/2	62,167	1/2	51,404	1/2	40,641	1/2	29,960	1/2	19,333	1/2	8,542	1/2	77	1/2	1/2	1/2	1/2	1/2	1/2
3/4	61,942	3/4	51,180	3/4	40,417	3/4	29,742	3/4	19,108	3/4	8,317	3/4	58	3/4	3/4	3/4	3/4	3/4	3/4
8	61,718	8	50,955	8	40,193	8	29,523	8	18,883	8	8,093	8	39	8	8	8	8	8	8
1/4	61,494	1/4	50,731	1/4	39,969	1/4	29,305	1/4	18,658	1/4	7,868	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	61,270	1/2	50,507	1/2	39,744	1/2	29,086	1/2	18,433	1/2	7,643	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	61,045	3/4	50,283	3/4	39,520	3/4	28,868	3/4	18,209	3/4	7,418	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	60,821	9	50,059	9	39,296	9	28,650	9	17,984	9	7,193	9		9	9	9	9	9	9
1/4	60,597	1/4	49,834	1/4	39,072	1/4	28,431	1/4	17,759	1/4	6,969	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	60,373	1/2	49,610	1/2	38,848	1/2	28,213	1/2	17,534	1/2	6,744	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	60,149	3/4	49,386	3/4	38,623	3/4	27,994	3/4	17,309	3/4	6,520	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	59,924	10	49,162	10	38,399	10	27,776	10	17,085	10	6,295	10		10	10	10	10	10	10
1/4	59,700	1/4	48,937	1/4	38,175	1/4	27,558	1/4	16,860	1/4	6,071	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	59,476	1/2	48,713	1/2	37,951	1/2	27,339	1/2	16,635	1/2	5,847	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	59,252	3/4	48,489	3/4	37,726	3/4	27,121	3/4	16,410	3/4	5,623	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	59,027	11	48,265	11	37,502	11	26,902	11	16,185	11	5,398	11		11	11	11	11	11	11
1/4	58,803	1/4	48,041	1/4	37,278	1/4	26,684	1/4	15,961	1/4	5,175	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	58,579	1/2	47,816	1/2	37,054	1/2	26,466	1/2	15,736	1/2	4,951	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	58,355	3/4	47,592	3/4	36,830	3/4	26,247	3/4	15,511	3/4	4,728	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/12/2013 CL
CALCULATED: 02/12/2013 CL
PRINTED: 02/12/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "CBC 1358"

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	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	0	0	0	0	161,805	0	149,803	0	137,779	0	125,708	0	113,637	0	101,566	0	89,494	
1/4	1/4	1/4	1/4	170,432	1/4	161,557	1/4	149,553	1/4	137,527	1/4	125,456	1/4	113,385	1/4	101,314	1/4	89,242	
1/2	1/2	1/2	1/2	170,415	1/2	161,307	1/2	149,303	1/2	137,276	1/2	125,205	1/2	113,134	1/2	101,063	1/2	88,991	
3/4	3/4	3/4	3/4	170,397	3/4	161,057	3/4	149,053	3/4	137,024	3/4	124,953	3/4	112,882	3/4	100,811	3/4	88,739	
1	1	1	1	170,380	1	160,807	1	148,803	1	136,773	1	124,702	1	112,631	1	100,560	1	88,488	
1/4	1/4	1/4	1/4	170,363	1/4	160,557	1/4	148,553	1/4	136,521	1/4	124,450	1/4	112,379	1/4	100,308	1/4	88,236	
1/2	1/2	1/2	1/2	170,304	1/2	160,307	1/2	148,303	1/2	136,270	1/2	124,199	1/2	112,128	1/2	100,057	1/2	87,985	
3/4	3/4	3/4	3/4	170,245	3/4	160,057	3/4	148,053	3/4	136,018	3/4	123,947	3/4	111,876	3/4	99,805	3/4	87,733	
2	2	2	2	170,186	2	159,807	2	147,803	2	135,767	2	123,696	2	111,625	2	99,554	2	87,482	
1/4	1/4	1/4	1/4	170,127	1/4	159,557	1/4	147,553	1/4	135,515	1/4	123,444	1/4	111,373	1/4	99,302	1/4	87,230	
1/2	1/2	1/2	1/2	170,025	1/2	159,306	1/2	147,303	1/2	135,264	1/2	123,193	1/2	111,122	1/2	99,051	1/2	86,979	
3/4	3/4	3/4	3/4	169,924	3/4	159,056	3/4	147,052	3/4	135,012	3/4	122,941	3/4	110,870	3/4	98,799	3/4	86,727	
3	3	3	3	169,823	3	158,806	3	146,802	3	134,761	3	122,690	3	110,619	3	98,548	3	86,476	
1/4	1/4	1/4	1/4	169,722	1/4	158,556	1/4	146,552	1/4	134,509	1/4	122,438	1/4	110,367	1/4	98,296	1/4	86,224	
1/2	1/2	1/2	1/2	169,579	1/2	158,306	1/2	146,302	1/2	134,258	1/2	122,187	1/2	110,116	1/2	98,045	1/2	85,973	
3/4	3/4	3/4	3/4	169,436	3/4	158,056	3/4	146,052	3/4	134,006	3/4	121,935	3/4	109,864	3/4	97,793	3/4	85,721	
4	4	4	4	169,293	4	157,806	4	145,802	4	133,755	4	121,684	4	109,613	4	97,542	4	85,470	
1/4	1/4	1/4	1/4	169,150	1/4	157,556	1/4	145,552	1/4	133,503	1/4	121,432	1/4	109,361	1/4	97,290	1/4	85,218	
1/2	1/2	1/2	1/2	168,966	1/2	157,306	1/2	145,302	1/2	133,252	1/2	121,181	1/2	109,110	1/2	97,039	1/2	84,967	
3/4	3/4	3/4	3/4	168,781	3/4	157,056	3/4	145,052	3/4	133,000	3/4	120,929	3/4	108,858	3/4	96,787	3/4	84,715	
5	5	5	5	168,596	5	156,806	5	144,802	5	132,749	5	120,678	5	108,607	5	96,536	5	84,463	
1/4	1/4	1/4	1/4	168,411	1/4	156,556	1/4	144,552	1/4	132,497	1/4	120,426	1/4	108,355	1/4	96,284	1/4	84,212	
1/2	1/2	1/2	1/2	168,184	1/2	156,305	1/2	144,302	1/2	132,246	1/2	120,175	1/2	108,104	1/2	96,033	1/2	83,960	
3/4	3/4	3/4	3/4	167,957	3/4	156,055	3/4	144,052	3/4	131,995	3/4	119,924	3/4	107,853	3/4	95,782	3/4	83,709	
6	6	6	6	167,730	6	155,805	6	143,801	6	131,743	6	119,672	6	107,601	6	95,530	6	83,457	
1/4	1/4	1/4	1/4	167,504	1/4	155,555	1/4	143,551	1/4	131,492	1/4	119,421	1/4	107,350	1/4	95,279	1/4	83,206	
1/2	1/2	1/2	1/2	167,256	1/2	155,305	1/2	143,301	1/2	131,240	1/2	119,169	1/2	107,098	1/2	95,027	1/2	82,954	
3/4	3/4	3/4	3/4	167,008	3/4	155,055	3/4	143,051	3/4	130,989	3/4	118,918	3/4	106,847	3/4	94,776	3/4	82,703	
7	7	7	7	166,760	7	154,805	7	142,801	7	130,737	7	118,666	7	106,595	7	94,524	7	82,451	
1/4	1/4	1/4	1/4	166,513	1/4	154,555	1/4	142,551	1/4	130,486	1/4	118,415	1/4	106,344	1/4	94,273	1/4	82,200	
1/2	1/2	1/2	1/2	166,265	1/2	154,305	1/2	142,301	1/2	130,234	1/2	118,163	1/2	106,092	1/2	94,021	1/2	81,948	
3/4	3/4	3/4	3/4	166,017	3/4	154,055	3/4	142,051	3/4	129,983	3/4	117,912	3/4	105,841	3/4	93,770	3/4	81,697	
8	8	8	8	165,769	8	153,805	8	141,801	8	129,731	8	117,660	8	105,589	8	93,518	8	81,445	
1/4	1/4	1/4	1/4	165,521	1/4	153,555	1/4	141,551	1/4	129,480	1/4	117,409	1/4	105,338	1/4	93,267	1/4	81,194	
1/2	1/2	1/2	1/2	165,274	1/2	153,305	1/2	141,299	1/2	129,228	1/2	117,157	1/2	105,086	1/2	93,015	1/2	80,942	
3/4	3/4	3/4	3/4	165,026	3/4	153,054	3/4	141,048	3/4	128,977	3/4	116,906	3/4	104,835	3/4	92,764	3/4	80,691	
9	9	9	9	164,778	9	152,804	9	140,796	9	128,725	9	116,654	9	104,583	9	92,512	9	80,439	
1/4	1/4	1/4	1/4	164,530	1/4	152,554	1/4	140,545	1/4	128,474	1/4	116,403	1/4	104,332	1/4	92,261	1/4	80,188	
1/2	1/2	1/2	1/2	164,283	1/2	152,304	1/2	140,293	1/2	128,222	1/2	116,151	1/2	104,080	1/2	92,009	1/2	79,936	
3/4	3/4	3/4	3/4	164,035	3/4	152,054	3/4	140,042	3/4	127,971	3/4	115,900	3/4	103,829	3/4	91,758	3/4	79,685	
10	10	10	10	163,787	10	151,804	10	139,790	10	127,719	10	115,648	10	103,577	10	91,506	10	79,433	
1/4	1/4	1/4	1/4	163,539	1/4	151,554	1/4	139,539	1/4	127,468	1/4	115,397	1/4	103,326	1/4	91,255	1/4	79,182	
1/2	1/2	1/2	1/2	163,292	1/2	151,304	1/2	139,287	1/2	127,216	1/2	115,145	1/2	103,074	1/2	91,003	1/2	78,930	
3/4	3/4	3/4	3/4	163,044	3/4	151,054	3/4	139,036	3/4	126,965	3/4	114,894	3/4	102,823	3/4	90,752	3/4	78,678	
11	11	11	11	162,796	11	150,804	11	138,784	11	126,713	11	114,642	11	102,571	11	90,500	11	78,427	
1/4	1/4	1/4	1/4	162,548	1/4	150,554	1/4	138,533	1/4	126,462	1/4	114,391	1/4	102,320	1/4	90,248	1/4	78,175	
1/2	1/2	1/2	1/2	162,300	1/2	150,304	1/2	138,281	1/2	126,210	1/2	114,139	1/2	102,069	1/2	89,997	1/2	77,924	
3/4	3/4	3/4	3/4	162,053	3/4	150,053	3/4	138,030	3/4	125,959	3/4	113,888	3/4	101,817	3/4	89,745	3/4	77,672	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

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

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 1358"

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	77,421	0	65,348	0	53,275	0	41,202	0	29,387	0	17,350	0	5,285	0		0		0	
1/4	77,169	1/4	65,096	1/4	53,023	1/4	40,950	1/4	29,143	1/4	17,098	1/4	5,036	1/4	1/4	1/4	1/4	1/4	1/4
1/2	76,918	1/2	64,845	1/2	52,772	1/2	40,699	1/2	28,898	1/2	16,847	1/2	4,787	1/2	1/2	1/2	1/2	1/2	1/2
3/4	76,666	3/4	64,593	3/4	52,520	3/4	40,447	3/4	28,654	3/4	16,595	3/4	4,538	3/4	3/4	3/4	3/4	3/4	3/4
1	76,415	1	64,342	1	52,269	1	40,196	1	28,409	1	16,344	1	4,289	1	1	1	1	1	1
1/4	76,163	1/4	64,090	1/4	52,017	1/4	39,944	1/4	28,165	1/4	16,092	1/4	4,041	1/4	1/4	1/4	1/4	1/4	1/4
1/2	75,912	1/2	63,839	1/2	51,766	1/2	39,693	1/2	27,913	1/2	15,841	1/2	3,794	1/2	1/2	1/2	1/2	1/2	1/2
3/4	75,660	3/4	63,587	3/4	51,514	3/4	39,441	3/4	27,662	3/4	15,589	3/4	3,548	3/4	3/4	3/4	3/4	3/4	3/4
2	75,409	2	63,336	2	51,263	2	39,189	2	27,410	2	15,338	2	3,301	2	2	2	2	2	2
1/4	75,157	1/4	63,084	1/4	51,011	1/4	38,938	1/4	27,159	1/4	15,086	1/4	3,055	1/4	1/4	1/4	1/4	1/4	1/4
1/2	74,906	1/2	62,833	1/2	50,759	1/2	38,686	1/2	26,907	1/2	14,835	1/2	2,825	1/2	1/2	1/2	1/2	1/2	1/2
3/4	74,654	3/4	62,581	3/4	50,508	3/4	38,435	3/4	26,656	3/4	14,583	3/4	2,595	3/4	3/4	3/4	3/4	3/4	3/4
3	74,403	3	62,330	3	50,256	3	38,183	3	26,404	3	14,332	3	2,365	3	3	3	3	3	3
1/4	74,151	1/4	62,078	1/4	50,005	1/4	37,932	1/4	26,153	1/4	14,080	1/4	2,135	1/4	1/4	1/4	1/4	1/4	1/4
1/2	73,900	1/2	61,826	1/2	49,753	1/2	37,687	1/2	25,901	1/2	13,829	1/2	1,946	1/2	1/2	1/2	1/2	1/2	1/2
3/4	73,648	3/4	61,575	3/4	49,502	3/4	37,443	3/4	25,650	3/4	13,577	3/4	1,758	3/4	3/4	3/4	3/4	3/4	3/4
4	73,396	4	61,323	4	49,250	4	37,198	4	25,398	4	13,325	4	1,569	4	4	4	4	4	4
1/4	73,145	1/4	61,072	1/4	48,999	1/4	36,954	1/4	25,147	1/4	13,074	1/4	1,381	1/4	1/4	1/4	1/4	1/4	1/4
1/2	72,893	1/2	60,820	1/2	48,747	1/2	36,710	1/2	24,895	1/2	12,822	1/2	1,234	1/2	1/2	1/2	1/2	1/2	1/2
3/4	72,642	3/4	60,569	3/4	48,496	3/4	36,466	3/4	24,644	3/4	12,571	3/4	1,087	3/4	3/4	3/4	3/4	3/4	3/4
5	72,390	5	60,317	5	48,244	5	36,222	5	24,392	5	12,319	5	940	5	5	5	5	5	5
1/4	72,139	1/4	60,066	1/4	47,993	1/4	35,978	1/4	24,141	1/4	12,068	1/4	794	1/4	1/4	1/4	1/4	1/4	1/4
1/2	71,887	1/2	59,814	1/2	47,741	1/2	35,733	1/2	23,889	1/2	11,816	1/2	689	1/2	1/2	1/2	1/2	1/2	1/2
3/4	71,636	3/4	59,563	3/4	47,490	3/4	35,489	3/4	23,638	3/4	11,565	3/4	584	3/4	3/4	3/4	3/4	3/4	3/4
6	71,384	6	59,311	6	47,238	6	35,245	6	23,386	6	11,313	6	479	6	6	6	6	6	6
1/4	71,133	1/4	59,060	1/4	46,987	1/4	35,001	1/4	23,134	1/4	11,062	1/4	375	1/4	1/4	1/4	1/4	1/4	1/4
1/2	70,881	1/2	58,808	1/2	46,735	1/2	34,757	1/2	22,883	1/2	10,810	1/2	312	1/2	1/2	1/2	1/2	1/2	1/2
3/4	70,630	3/4	58,557	3/4	46,484	3/4	34,513	3/4	22,631	3/4	10,559	3/4	249	3/4	3/4	3/4	3/4	3/4	3/4
7	70,378	7	58,305	7	46,232	7	34,269	7	22,380	7	10,307	7	186	7	7	7	7	7	7
1/4	70,127	1/4	58,054	1/4	45,981	1/4	34,025	1/4	22,128	1/4	10,056	1/4	123	1/4	1/4	1/4	1/4	1/4	1/4
1/2	69,875	1/2	57,802	1/2	45,729	1/2	33,781	1/2	21,877	1/2	9,804	1/2	102	1/2	1/2	1/2	1/2	1/2	1/2
3/4	69,624	3/4	57,551	3/4	45,478	3/4	33,537	3/4	21,625	3/4	9,553	3/4	81	3/4	3/4	3/4	3/4	3/4	3/4
8	69,372	8	57,299	8	45,226	8	33,292	8	21,374	8	9,301	8	60	8	8	8	8	8	8
1/4	69,121	1/4	57,048	1/4	44,974	1/4	33,048	1/4	21,122	1/4	9,050	1/4	39	1/4	1/4	1/4	1/4	1/4	1/4
1/2	68,869	1/2	56,796	1/2	44,723	1/2	32,804	1/2	20,871	1/2	8,798	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	68,618	3/4	56,545	3/4	44,471	3/4	32,560	3/4	20,619	3/4	8,547	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	68,366	9	56,293	9	44,220	9	32,316	9	20,368	9	8,295	9		9	9	9	9	9	9
1/4	68,115	1/4	56,041	1/4	43,968	1/4	32,072	1/4	20,116	1/4	8,044	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	67,863	1/2	55,790	1/2	43,717	1/2	31,828	1/2	19,865	1/2	7,792	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	67,611	3/4	55,538	3/4	43,465	3/4	31,584	3/4	19,613	3/4	7,541	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	67,360	10	55,287	10	43,214	10	31,340	10	19,362	10	7,290	10		10	10	10	10	10	10
1/4	67,108	1/4	55,035	1/4	42,962	1/4	31,095	1/4	19,110	1/4	7,039	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	66,857	1/2	54,784	1/2	42,711	1/2	30,851	1/2	18,859	1/2	6,788	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	66,605	3/4	54,532	3/4	42,459	3/4	30,607	3/4	18,607	3/4	6,537	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	66,354	11	54,281	11	42,208	11	30,363	11	18,356	11	6,286	11		11	11	11	11	11	11
1/4	66,102	1/4	54,029	1/4	41,956	1/4	30,119	1/4	18,104	1/4	6,035	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	65,851	1/2	53,778	1/2	41,705	1/2	29,875	1/2	17,853	1/2	5,785	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	65,599	3/4	53,526	3/4	41,453	3/4	29,631	3/4	17,601	3/4	5,535	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/12/2013 CL
CALCULATED: 02/12/2013 CL
PRINTED: 02/12/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

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



BARGE "CBC 1358"

3 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	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	0	143,796	0	133,147	0	122,478	0	111,768	0	101,059	0	90,349	0	79,639
1/4	1/4	1/4	1/4	1/4	151,451	1/4	143,576	1/4	132,925	1/4	122,255	1/4	111,545	1/4	100,836	1/4	90,126	1/4	79,416
1/2	1/2	1/2	1/2	1/2	151,435	1/2	143,354	1/2	132,703	1/2	122,032	1/2	111,322	1/2	100,613	1/2	89,903	1/2	79,193
3/4	3/4	3/4	3/4	3/4	151,420	3/4	143,132	3/4	132,482	3/4	121,809	3/4	111,099	3/4	100,390	3/4	89,680	3/4	78,970
1	1	1	1	1	151,405	1	142,911	1	132,260	1	121,586	1	110,876	1	100,166	1	89,457	1	78,747
1/4	1/4	1/4	1/4	1/4	151,390	1/4	142,689	1/4	132,038	1/4	121,362	1/4	110,653	1/4	99,943	1/4	89,234	1/4	78,523
1/2	1/2	1/2	1/2	1/2	151,337	1/2	142,467	1/2	131,816	1/2	121,139	1/2	110,430	1/2	99,720	1/2	89,011	1/2	78,300
3/4	3/4	3/4	3/4	3/4	151,285	3/4	142,245	3/4	131,594	3/4	120,916	3/4	110,207	3/4	99,497	3/4	88,788	3/4	78,077
2	2	2	2	2	151,232	2	142,023	2	131,372	2	120,693	2	109,984	2	99,274	2	88,564	2	77,854
1/4	1/4	1/4	1/4	1/4	151,180	1/4	141,801	1/4	131,150	1/4	120,470	1/4	109,760	1/4	99,051	1/4	88,341	1/4	77,631
1/2	1/2	1/2	1/2	1/2	151,090	1/2	141,579	1/2	130,928	1/2	120,247	1/2	109,537	1/2	98,828	1/2	88,118	1/2	77,408
3/4	3/4	3/4	3/4	3/4	151,000	3/4	141,357	3/4	130,706	3/4	120,024	3/4	109,314	3/4	98,605	3/4	87,895	3/4	77,185
3	3	3	3	3	150,911	3	141,135	3	130,485	3	119,801	3	109,091	3	98,382	3	87,672	3	76,961
1/4	1/4	1/4	1/4	1/4	150,821	1/4	140,913	1/4	130,263	1/4	119,578	1/4	108,868	1/4	98,158	1/4	87,449	1/4	76,738
1/2	1/2	1/2	1/2	1/2	150,694	1/2	140,692	1/2	130,041	1/2	119,354	1/2	108,645	1/2	97,935	1/2	87,226	1/2	76,515
3/4	3/4	3/4	3/4	3/4	150,567	3/4	140,470	3/4	129,819	3/4	119,131	3/4	108,422	3/4	97,712	3/4	87,003	3/4	76,292
4	4	4	4	4	150,440	4	140,248	4	129,597	4	118,908	4	108,199	4	97,489	4	86,780	4	76,069
1/4	1/4	1/4	1/4	1/4	150,314	1/4	140,026	1/4	129,375	1/4	118,685	1/4	107,976	1/4	97,266	1/4	86,556	1/4	75,846
1/2	1/2	1/2	1/2	1/2	150,150	1/2	139,804	1/2	129,153	1/2	118,462	1/2	107,752	1/2	97,043	1/2	86,333	1/2	75,622
3/4	3/4	3/4	3/4	3/4	149,985	3/4	139,582	3/4	128,931	3/4	118,239	3/4	107,529	3/4	96,820	3/4	86,110	3/4	75,399
5	5	5	5	5	149,821	5	139,360	5	128,709	5	118,016	5	107,306	5	96,597	5	85,887	5	75,176
1/4	1/4	1/4	1/4	1/4	149,657	1/4	139,138	1/4	128,488	1/4	117,793	1/4	107,083	1/4	96,373	1/4	85,664	1/4	74,953
1/2	1/2	1/2	1/2	1/2	149,456	1/2	138,916	1/2	128,266	1/2	117,570	1/2	106,860	1/2	96,150	1/2	85,441	1/2	74,730
3/4	3/4	3/4	3/4	3/4	149,255	3/4	138,695	3/4	128,044	3/4	117,346	3/4	106,637	3/4	95,927	3/4	85,218	3/4	74,507
6	6	6	6	6	149,054	6	138,473	6	127,822	6	117,123	6	106,414	6	95,704	6	84,995	6	74,284
1/4	1/4	1/4	1/4	1/4	148,852	1/4	138,251	1/4	127,600	1/4	116,900	1/4	106,191	1/4	95,481	1/4	84,771	1/4	74,060
1/2	1/2	1/2	1/2	1/2	148,633	1/2	138,029	1/2	127,378	1/2	116,677	1/2	105,967	1/2	95,258	1/2	84,548	1/2	73,837
3/4	3/4	3/4	3/4	3/4	148,413	3/4	137,807	3/4	127,156	3/4	116,454	3/4	105,744	3/4	95,035	3/4	84,325	3/4	73,614
7	7	7	7	7	148,193	7	137,585	7	126,934	7	116,231	7	105,521	7	94,812	7	84,102	7	73,391
1/4	1/4	1/4	1/4	1/4	147,973	1/4	137,363	1/4	126,712	1/4	116,008	1/4	105,298	1/4	94,589	1/4	83,879	1/4	73,168
1/2	1/2	1/2	1/2	1/2	147,753	1/2	137,141	1/2	126,490	1/2	115,785	1/2	105,075	1/2	94,365	1/2	83,656	1/2	72,945
3/4	3/4	3/4	3/4	3/4	147,533	3/4	136,919	3/4	126,269	3/4	115,561	3/4	104,852	3/4	94,142	3/4	83,433	3/4	72,721
8	8	8	8	8	147,314	8	136,698	8	126,047	8	115,338	8	104,629	8	93,919	8	83,210	8	72,498
1/4	1/4	1/4	1/4	1/4	147,094	1/4	136,476	1/4	125,825	1/4	115,115	1/4	104,406	1/4	93,696	1/4	82,987	1/4	72,275
1/2	1/2	1/2	1/2	1/2	146,874	1/2	136,254	1/2	125,602	1/2	114,892	1/2	104,183	1/2	93,473	1/2	82,763	1/2	72,052
3/4	3/4	3/4	3/4	3/4	146,654	3/4	136,032	3/4	125,379	3/4	114,669	3/4	103,959	3/4	93,250	3/4	82,540	3/4	71,829
9	9	9	9	9	146,434	9	135,810	9	125,155	9	114,446	9	103,736	9	93,027	9	82,317	9	71,606
1/4	1/4	1/4	1/4	1/4	146,214	1/4	135,588	1/4	124,932	1/4	114,223	1/4	103,513	1/4	92,804	1/4	82,094	1/4	71,383
1/2	1/2	1/2	1/2	1/2	145,994	1/2	135,366	1/2	124,709	1/2	114,000	1/2	103,290	1/2	92,581	1/2	81,871	1/2	71,159
3/4	3/4	3/4	3/4	3/4	145,775	3/4	135,144	3/4	124,486	3/4	113,777	3/4	103,067	3/4	92,357	3/4	81,648	3/4	70,936
10	10	10	10	10	145,555	10	134,922	10	124,263	10	113,553	10	102,844	10	92,134	10	81,424	10	70,713
1/4	1/4	1/4	1/4	1/4	145,335	1/4	134,700	1/4	124,040	1/4	113,330	1/4	102,621	1/4	91,911	1/4	81,201	1/4	70,490
1/2	1/2	1/2	1/2	1/2	145,115	1/2	134,479	1/2	123,817	1/2	113,107	1/2	102,398	1/2	91,688	1/2	80,978	1/2	70,267
3/4	3/4	3/4	3/4	3/4	144,895	3/4	134,257	3/4	123,594	3/4	112,884	3/4	102,175	3/4	91,465	3/4	80,755	3/4	70,044
11	11	11	11	11	144,675	11	134,035	11	123,371	11	112,661	11	101,951	11	91,242	11	80,532	11	69,820
1/4	1/4	1/4	1/4	1/4	144,456	1/4	133,813	1/4	123,147	1/4	112,438	1/4	101,728	1/4	91,019	1/4	80,309	1/4	69,597
1/2	1/2	1/2	1/2	1/2	144,236	1/2	133,591	1/2	122,924	1/2	112,215	1/2	101,505	1/2	90,796	1/2	80,086	1/2	69,374
3/4	3/4	3/4	3/4	3/4	144,016	3/4	133,369	3/4	122,701	3/4	111,992	3/4	101,282	3/4	90,572	3/4	79,862	3/4	69,151

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 24'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 1358"

3 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	68,928	0	58,216	0	47,505	0	36,794	0	26,105	0	15,397	0	4,694	0		0		0	
1/4	68,705	1/4	57,993	1/4	47,282	1/4	36,571	1/4	25,882	1/4	15,174	1/4	4,472	1/4	1/4	1/4	1/4	1/4	1/4
1/2	68,482	1/2	57,770	1/2	47,059	1/2	36,347	1/2	25,659	1/2	14,951	1/2	4,251	1/2	1/2	1/2	1/2	1/2	1/2
3/4	68,258	3/4	57,547	3/4	46,836	3/4	36,124	3/4	25,437	3/4	14,728	3/4	4,031	3/4	3/4	3/4	3/4	3/4	3/4
1	68,035	1	57,324	1	46,613	1	35,901	1	25,214	1	14,505	1	3,810	1	1	1	1	1	1
1/4	67,812	1/4	57,101	1/4	46,389	1/4	35,678	1/4	24,991	1/4	14,281	1/4	3,589	1/4	1/4	1/4	1/4	1/4	1/4
1/2	67,589	1/2	56,878	1/2	46,166	1/2	35,455	1/2	24,768	1/2	14,058	1/2	3,371	1/2	1/2	1/2	1/2	1/2	1/2
3/4	67,366	3/4	56,654	3/4	45,943	3/4	35,232	3/4	24,545	3/4	13,835	3/4	3,152	3/4	3/4	3/4	3/4	3/4	3/4
2	67,143	2	56,431	2	45,720	2	35,009	2	24,323	2	13,612	2	2,933	2	2	2	2	2	2
1/4	66,919	1/4	56,208	1/4	45,497	1/4	34,785	1/4	24,100	1/4	13,389	1/4	2,715	1/4	1/4	1/4	1/4	1/4	1/4
1/2	66,696	1/2	55,985	1/2	45,274	1/2	34,562	1/2	23,877	1/2	13,166	1/2	2,511	1/2	1/2	1/2	1/2	1/2	1/2
3/4	66,473	3/4	55,762	3/4	45,050	3/4	34,339	3/4	23,654	3/4	12,943	3/4	2,307	3/4	3/4	3/4	3/4	3/4	3/4
3	66,250	3	55,539	3	44,827	3	34,116	3	23,430	3	12,719	3	2,103	3	3	3	3	3	3
1/4	66,027	1/4	55,315	1/4	44,604	1/4	33,893	1/4	23,207	1/4	12,496	1/4	1,899	1/4	1/4	1/4	1/4	1/4	1/4
1/2	65,804	1/2	55,092	1/2	44,381	1/2	33,670	1/2	22,984	1/2	12,273	1/2	1,731	1/2	1/2	1/2	1/2	1/2	1/2
3/4	65,581	3/4	54,869	3/4	44,158	3/4	33,446	3/4	22,761	3/4	12,050	3/4	1,564	3/4	3/4	3/4	3/4	3/4	3/4
4	65,357	4	54,646	4	43,935	4	33,223	4	22,538	4	11,827	4	1,397	4	4	4	4	4	4
1/4	65,134	1/4	54,423	1/4	43,712	1/4	33,000	1/4	22,315	1/4	11,604	1/4	1,229	1/4	1/4	1/4	1/4	1/4	1/4
1/2	64,911	1/2	54,200	1/2	43,488	1/2	32,778	1/2	22,092	1/2	11,381	1/2	1,099	1/2	1/2	1/2	1/2	1/2	1/2
3/4	64,688	3/4	53,977	3/4	43,265	3/4	32,555	3/4	21,868	3/4	11,157	3/4	969	3/4	3/4	3/4	3/4	3/4	3/4
5	64,465	5	53,753	5	43,042	5	32,333	5	21,645	5	10,934	5	839	5	5	5	5	5	5
1/4	64,242	1/4	53,530	1/4	42,819	1/4	32,110	1/4	21,422	1/4	10,711	1/4	709	1/4	1/4	1/4	1/4	1/4	1/4
1/2	64,018	1/2	53,307	1/2	42,596	1/2	31,888	1/2	21,199	1/2	10,488	1/2	616	1/2	1/2	1/2	1/2	1/2	1/2
3/4	63,795	3/4	53,084	3/4	42,373	3/4	31,666	3/4	20,976	3/4	10,265	3/4	523	3/4	3/4	3/4	3/4	3/4	3/4
6	63,572	6	52,861	6	42,149	6	31,443	6	20,753	6	10,042	6	430	6	6	6	6	6	6
1/4	63,349	1/4	52,638	1/4	41,926	1/4	31,221	1/4	20,530	1/4	9,819	1/4	337	1/4	1/4	1/4	1/4	1/4	1/4
1/2	63,126	1/2	52,414	1/2	41,703	1/2	30,998	1/2	20,306	1/2	9,595	1/2	281	1/2	1/2	1/2	1/2	1/2	1/2
3/4	62,903	3/4	52,191	3/4	41,480	3/4	30,776	3/4	20,083	3/4	9,372	3/4	225	3/4	3/4	3/4	3/4	3/4	3/4
7	62,680	7	51,968	7	41,257	7	30,553	7	19,860	7	9,149	7	169	7	7	7	7	7	7
1/4	62,456	1/4	51,745	1/4	41,034	1/4	30,331	1/4	19,637	1/4	8,926	1/4	114	1/4	1/4	1/4	1/4	1/4	1/4
1/2	62,233	1/2	51,522	1/2	40,811	1/2	30,108	1/2	19,414	1/2	8,703	1/2	95	1/2	1/2	1/2	1/2	1/2	1/2
3/4	62,010	3/4	51,299	3/4	40,587	3/4	29,886	3/4	19,191	3/4	8,480	3/4	76	3/4	3/4	3/4	3/4	3/4	3/4
8	61,787	8	51,076	8	40,364	8	29,664	8	18,968	8	8,257	8	58	8	8	8	8	8	8
1/4	61,564	1/4	50,852	1/4	40,141	1/4	29,441	1/4	18,744	1/4	8,033	1/4	39	1/4	1/4	1/4	1/4	1/4	1/4
1/2	61,341	1/2	50,629	1/2	39,918	1/2	29,219	1/2	18,521	1/2	7,810	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	61,117	3/4	50,406	3/4	39,695	3/4	28,996	3/4	18,298	3/4	7,587	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	60,894	9	50,183	9	39,472	9	28,774	9	18,075	9	7,364	9		9	9	9	9	9	9
1/4	60,671	1/4	49,960	1/4	39,248	1/4	28,551	1/4	17,852	1/4	7,141	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	60,448	1/2	49,737	1/2	39,025	1/2	28,329	1/2	17,629	1/2	6,918	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	60,225	3/4	49,514	3/4	38,802	3/4	28,107	3/4	17,405	3/4	6,695	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	60,002	10	49,290	10	38,579	10	27,884	10	17,182	10	6,472	10		10	10	10	10	10	10
1/4	59,779	1/4	49,067	1/4	38,356	1/4	27,662	1/4	16,959	1/4	6,249	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	59,555	1/2	48,844	1/2	38,133	1/2	27,439	1/2	16,736	1/2	6,027	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	59,332	3/4	48,621	3/4	37,910	3/4	27,217	3/4	16,513	3/4	5,804	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	59,109	11	48,398	11	37,686	11	26,994	11	16,290	11	5,582	11		11	11	11	11	11	11
1/4	58,886	1/4	48,175	1/4	37,463	1/4	26,772	1/4	16,067	1/4	5,359	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	58,663	1/2	47,951	1/2	37,240	1/2	26,549	1/2	15,843	1/2	5,137	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	58,440	3/4	47,728	3/4	37,017	3/4	26,327	3/4	15,620	3/4	4,916	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/12/2013 CL
CALCULATED: 02/12/2013 CL
PRINTED: 02/12/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

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