



BARGE "CBC 312"

INNAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 238'-03"

February 7, 2013

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 312"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04"

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	584	0	13,229	0	28,404	0	44,021	0	59,714	0	75,423	0	91,131	0	106,840	0	122,548	0	138,255
1/4	719	1/4	13,530	1/4	28,731	1/4	44,345	1/4	60,041	1/4	75,750	1/4	91,458	1/4	107,167	1/4	122,875	1/4	138,582
1/2	854	1/2	13,830	1/2	29,058	1/2	44,670	1/2	60,369	1/2	76,077	1/2	91,786	1/2	107,494	1/2	123,203	1/2	138,910
3/4	989	3/4	14,131	3/4	29,385	3/4	44,994	3/4	60,696	3/4	76,404	3/4	92,113	3/4	107,821	3/4	123,530	3/4	139,237
1	1,123	1	14,432	1	29,713	1	45,319	1	61,023	1	76,732	1	92,440	1	108,149	1	123,857	1	139,564
1/4	1,336	1/4	14,736	1/4	30,040	1/4	45,646	1/4	61,350	1/4	77,059	1/4	92,767	1/4	108,476	1/4	124,184	1/4	139,891
1/2	1,548	1/2	15,041	1/2	30,367	1/2	45,972	1/2	61,678	1/2	77,386	1/2	93,095	1/2	108,803	1/2	124,512	1/2	140,218
3/4	1,760	3/4	15,345	3/4	30,694	3/4	46,299	3/4	62,005	3/4	77,713	3/4	93,422	3/4	109,130	3/4	124,839	3/4	140,545
2	1,972	2	15,649	2	31,022	2	46,625	2	62,332	2	78,041	2	93,749	2	109,458	2	125,166	2	140,873
1/4	2,233	1/4	15,957	1/4	31,349	1/4	46,952	1/4	62,659	1/4	78,368	1/4	94,076	1/4	109,785	1/4	125,494	1/4	141,200
1/2	2,493	1/2	16,265	1/2	31,676	1/2	47,279	1/2	62,987	1/2	78,695	1/2	94,404	1/2	110,112	1/2	125,821	1/2	141,527
3/4	2,753	3/4	16,572	3/4	32,003	3/4	47,606	3/4	63,314	3/4	79,022	3/4	94,731	3/4	110,440	3/4	126,148	3/4	141,854
3	3,014	3	16,880	3	32,331	3	47,933	3	63,641	3	79,350	3	95,058	3	110,767	3	126,475	3	142,181
1/4	3,283	1/4	17,191	1/4	32,656	1/4	48,260	1/4	63,968	1/4	79,677	1/4	95,386	1/4	111,094	1/4	126,803	1/4	142,509
1/2	3,553	1/2	17,502	1/2	32,982	1/2	48,587	1/2	64,296	1/2	80,004	1/2	95,713	1/2	111,421	1/2	127,130	1/2	142,836
3/4	3,822	3/4	17,813	3/4	33,307	3/4	48,914	3/4	64,623	3/4	80,332	3/4	96,040	3/4	111,749	3/4	127,457	3/4	143,163
4	4,092	4	18,124	4	33,633	4	49,242	4	64,950	4	80,659	4	96,367	4	112,076	4	127,784	4	143,490
1/4	4,366	1/4	18,439	1/4	33,958	1/4	49,569	1/4	65,277	1/4	80,986	1/4	96,695	1/4	112,403	1/4	128,112	1/4	143,817
1/2	4,639	1/2	18,753	1/2	34,283	1/2	49,896	1/2	65,605	1/2	81,313	1/2	97,022	1/2	112,730	1/2	128,439	1/2	144,145
3/4	4,913	3/4	19,068	3/4	34,608	3/4	50,223	3/4	65,932	3/4	81,641	3/4	97,349	3/4	113,058	3/4	128,766	3/4	144,472
5	5,186	5	19,382	5	34,934	5	50,551	5	66,259	5	81,968	5	97,676	5	113,385	5	129,093	5	144,799
1/4	5,463	1/4	19,700	1/4	35,258	1/4	50,878	1/4	66,587	1/4	82,295	1/4	98,004	1/4	113,712	1/4	129,421	1/4	145,126
1/2	5,740	1/2	20,018	1/2	35,583	1/2	51,205	1/2	66,914	1/2	82,622	1/2	98,331	1/2	114,039	1/2	129,748	1/2	145,453
3/4	6,017	3/4	20,336	3/4	35,907	3/4	51,533	3/4	67,241	3/4	82,950	3/4	98,658	3/4	114,367	3/4	130,075	3/4	145,780
6	6,294	6	20,654	6	36,232	6	51,860	6	67,568	6	83,277	6	98,985	6	114,694	6	130,402	6	146,108
1/4	6,575	1/4	20,975	1/4	36,557	1/4	52,187	1/4	67,896	1/4	83,604	1/4	99,313	1/4	115,021	1/4	130,730	1/4	146,435
1/2	6,855	1/2	21,296	1/2	36,881	1/2	52,514	1/2	68,223	1/2	83,931	1/2	99,640	1/2	115,348	1/2	131,057	1/2	146,762
3/4	7,135	3/4	21,617	3/4	37,206	3/4	52,842	3/4	68,550	3/4	84,259	3/4	99,967	3/4	115,676	3/4	131,384	3/4	147,089
7	7,416	7	21,939	7	37,530	7	53,169	7	68,877	7	84,586	7	100,294	7	116,003	7	131,711	7	147,416
1/4	7,700	1/4	22,256	1/4	37,855	1/4	53,496	1/4	69,205	1/4	84,913	1/4	100,622	1/4	116,330	1/4	132,039	1/4	147,744
1/2	7,983	1/2	22,573	1/2	38,179	1/2	53,823	1/2	69,532	1/2	85,240	1/2	100,949	1/2	116,657	1/2	132,366	1/2	148,071
3/4	8,267	3/4	22,890	3/4	38,504	3/4	54,151	3/4	69,859	3/4	85,568	3/4	101,276	3/4	116,985	3/4	132,693	3/4	148,398
8	8,551	8	23,207	8	38,828	8	54,478	8	70,186	8	85,895	8	101,603	8	117,312	8	133,020	8	148,725
1/4	8,838	1/4	23,526	1/4	39,153	1/4	54,805	1/4	70,514	1/4	86,222	1/4	101,931	1/4	117,639	1/4	133,347	1/4	149,052
1/2	9,126	1/2	23,844	1/2	39,477	1/2	55,132	1/2	70,841	1/2	86,549	1/2	102,258	1/2	117,967	1/2	133,675	1/2	149,379
3/4	9,413	3/4	24,162	3/4	39,802	3/4	55,460	3/4	71,168	3/4	86,877	3/4	102,585	3/4	118,294	3/4	134,002	3/4	149,707
9	9,700	9	24,481	9	40,126	9	55,787	9	71,495	9	87,204	9	102,913	9	118,621	9	134,329	9	150,034
1/4	9,991	1/4	24,807	1/4	40,451	1/4	56,114	1/4	71,823	1/4	87,531	1/4	103,240	1/4	118,948	1/4	134,656	1/4	150,361
1/2	10,281	1/2	25,133	1/2	40,776	1/2	56,441	1/2	72,150	1/2	87,859	1/2	103,567	1/2	119,276	1/2	134,983	1/2	150,688
3/4	10,572	3/4	25,459	3/4	41,100	3/4	56,769	3/4	72,477	3/4	88,186	3/4	103,894	3/4	119,603	3/4	135,311	3/4	151,015
10	10,863	10	25,786	10	41,425	10	57,096	10	72,804	10	88,513	10	104,222	10	119,930	10	135,638	10	151,343
1/4	11,157	1/4	26,113	1/4	41,749	1/4	57,423	1/4	73,132	1/4	88,840	1/4	104,549	1/4	120,257	1/4	135,965	1/4	151,670
1/2	11,451	1/2	26,440	1/2	42,074	1/2	57,750	1/2	73,459	1/2	89,168	1/2	104,876	1/2	120,585	1/2	136,292	1/2	151,997
3/4	11,745	3/4	26,767	3/4	42,398	3/4	58,078	3/4	73,786	3/4	89,495	3/4	105,203	3/4	120,912	3/4	136,619	3/4	152,324
11	12,039	11	27,095	11	42,723	11	58,405	11	74,114	11	89,822	11	105,531	11	121,239	11	136,946	11	152,651
1/4	12,336	1/4	27,422	1/4	43,047	1/4	58,732	1/4	74,441	1/4	90,149	1/4	105,858	1/4	121,566	1/4	137,274	1/4	152,978
1/2	12,634	1/2	27,749	1/2	43,372	1/2	59,060	1/2	74,768	1/2	90,477	1/2	106,185	1/2	121,894	1/2	137,601	1/2	153,306
3/4	12,931	3/4	28,076	3/4	43,696	3/4	59,387	3/4	75,095	3/4	90,804	3/4	106,512	3/4	122,221	3/4	137,928	3/4	153,633

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 11'-00" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 312"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04"

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	153,960	0	169,665	0	185,298	0	200,915	0	216,444	0		0		0		0		0	
1/4	154,287	1/4	169,992	1/4	185,623	1/4	201,240	1/4	216,757	1/4		1/4		1/4		1/4		1/4	
1/2	154,614	1/2	170,319	1/2	185,948	1/2	201,565	1/2	217,071	1/2		1/2		1/2		1/2		1/2	
3/4	154,942	3/4	170,646	3/4	186,274	3/4	201,891	3/4	217,384	3/4		3/4		3/4		3/4		3/4	
1	155,269	1	170,974	1	186,599	1	202,216	1	217,698	1		1		1		1		1	
1/4	155,596	1/4	171,301	1/4	186,924	1/4	202,541	1/4	217,971	1/4		1/4		1/4		1/4		1/4	
1/2	155,923	1/2	171,628	1/2	187,250	1/2	202,867	1/2	218,244	1/2		1/2		1/2		1/2		1/2	
3/4	156,250	3/4	171,955	3/4	187,575	3/4	203,192	3/4	218,517	3/4		3/4		3/4		3/4		3/4	
2	156,577	2	172,282	2	187,900	2	203,518	2	218,790	2		2		2		2		2	
1/4	156,905	1/4	172,608	1/4	188,226	1/4	203,843	1/4	219,010	1/4		1/4		1/4		1/4		1/4	
1/2	157,232	1/2	172,933	1/2	188,551	1/2	204,168	1/2	219,229	1/2		1/2		1/2		1/2		1/2	
3/4	157,559	3/4	173,259	3/4	188,876	3/4	204,494	3/4	219,449	3/4		3/4		3/4		3/4		3/4	
3	157,886	3	173,585	3	189,202	3	204,819	3	219,669	3		3		3		3		3	
1/4	158,213	1/4	173,910	1/4	189,527	1/4	205,144	1/4	219,834	1/4		1/4		1/4		1/4		1/4	
1/2	158,541	1/2	174,235	1/2	189,853	1/2	205,470	1/2	219,999	1/2		1/2		1/2		1/2		1/2	
3/4	158,868	3/4	174,561	3/4	190,178	3/4	205,795	3/4		3/4		3/4		3/4		3/4		3/4	
4	159,195	4	174,886	4	190,503	4	206,120	4		4		4		4		4		4	
1/4	159,522	1/4	175,211	1/4	190,829	1/4	206,446	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,849	1/2	175,537	1/2	191,154	1/2	206,771	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,176	3/4	175,862	3/4	191,479	3/4	207,097	3/4		3/4		3/4		3/4		3/4		3/4	
5	160,504	5	176,187	5	191,805	5	207,422	5		5		5		5		5		5	
1/4	160,831	1/4	176,513	1/4	192,130	1/4	207,747	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,158	1/2	176,838	1/2	192,455	1/2	208,073	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,485	3/4	177,164	3/4	192,781	3/4	208,398	3/4		3/4		3/4		3/4		3/4		3/4	
6	161,812	6	177,489	6	193,106	6	208,723	6		6		6		6		6		6	
1/4	162,140	1/4	177,814	1/4	193,431	1/4	209,049	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,467	1/2	178,140	1/2	193,757	1/2	209,374	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,794	3/4	178,465	3/4	194,082	3/4	209,699	3/4		3/4		3/4		3/4		3/4		3/4	
7	163,121	7	178,790	7	194,408	7	210,025	7		7		7		7		7		7	
1/4	163,448	1/4	179,116	1/4	194,733	1/4	210,347	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,775	1/2	179,441	1/2	195,058	1/2	210,669	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,103	3/4	179,766	3/4	195,384	3/4	210,992	3/4		3/4		3/4		3/4		3/4		3/4	
8	164,430	8	180,092	8	195,709	8	211,314	8		8		8		8		8		8	
1/4	164,757	1/4	180,417	1/4	196,034	1/4	211,635	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	165,084	1/2	180,742	1/2	196,360	1/2	211,957	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	165,411	3/4	181,068	3/4	196,685	3/4	212,279	3/4		3/4		3/4		3/4		3/4		3/4	
9	165,739	9	181,393	9	197,010	9	212,600	9		9		9		9		9		9	
1/4	166,066	1/4	181,719	1/4	197,336	1/4	212,922	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	166,393	1/2	182,044	1/2	197,661	1/2	213,243	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	166,720	3/4	182,369	3/4	197,986	3/4	213,564	3/4		3/4		3/4		3/4		3/4		3/4	
10	167,047	10	182,695	10	198,312	10	213,885	10		10		10		10		10		10	
1/4	167,375	1/4	183,020	1/4	198,637	1/4	214,206	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	167,702	1/2	183,345	1/2	198,963	1/2	214,526	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	168,029	3/4	183,671	3/4	199,288	3/4	214,847	3/4		3/4		3/4		3/4		3/4		3/4	
11	168,356	11	183,996	11	199,613	11	215,167	11		11		11		11		11		11	
1/4	168,683	1/4	184,321	1/4	199,939	1/4	215,486	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	169,010	1/2	184,647	1/2	200,264	1/2	215,806	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	169,338	3/4	184,972	3/4	200,589	3/4	216,125	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/06/2013 CL - SW
CALCULATED: 02/07/2013 CL
PRINTED: 02/07/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 312"

1 STBD

INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-03 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	584	0	13,224	0	28,393	0	44,057	0	59,754	0	75,457	0	91,160	0	106,863	0	122,566	0	138,267
1/4	719	1/4	13,524	1/4	28,720	1/4	44,384	1/4	60,081	1/4	75,784	1/4	91,487	1/4	107,190	1/4	122,893	1/4	138,594
1/2	854	1/2	13,825	1/2	29,047	1/2	44,710	1/2	60,408	1/2	76,111	1/2	91,814	1/2	107,517	1/2	123,220	1/2	138,921
3/4	988	3/4	14,126	3/4	29,375	3/4	45,036	3/4	60,735	3/4	76,438	3/4	92,141	3/4	107,844	3/4	123,547	3/4	139,248
1	1,123	1	14,427	1	29,702	1	45,363	1	61,062	1	76,765	1	92,468	1	108,171	1	123,874	1	139,575
1/4	1,335	1/4	14,731	1/4	30,028	1/4	45,690	1/4	61,389	1/4	77,092	1/4	92,795	1/4	108,498	1/4	124,201	1/4	139,902
1/2	1,547	1/2	15,035	1/2	30,355	1/2	46,016	1/2	61,717	1/2	77,420	1/2	93,123	1/2	108,825	1/2	124,528	1/2	140,229
3/4	1,759	3/4	15,339	3/4	30,682	3/4	46,343	3/4	62,044	3/4	77,747	3/4	93,450	3/4	109,153	3/4	124,856	3/4	140,556
2	1,972	2	15,643	2	31,009	2	46,670	2	62,371	2	78,074	2	93,777	2	109,480	2	125,183	2	140,883
1/4	2,232	1/4	15,951	1/4	31,335	1/4	46,996	1/4	62,698	1/4	78,401	1/4	94,104	1/4	109,807	1/4	125,510	1/4	141,211
1/2	2,492	1/2	16,258	1/2	31,662	1/2	47,323	1/2	63,025	1/2	78,728	1/2	94,431	1/2	110,134	1/2	125,837	1/2	141,538
3/4	2,752	3/4	16,566	3/4	31,989	3/4	47,650	3/4	63,352	3/4	79,055	3/4	94,758	3/4	110,461	3/4	126,164	3/4	141,865
3	3,012	3	16,874	3	32,315	3	47,977	3	63,679	3	79,382	3	95,085	3	110,788	3	126,491	3	142,192
1/4	3,282	1/4	17,184	1/4	32,642	1/4	48,304	1/4	64,007	1/4	79,710	1/4	95,413	1/4	111,115	1/4	126,818	1/4	142,519
1/2	3,551	1/2	17,495	1/2	32,969	1/2	48,631	1/2	64,334	1/2	80,037	1/2	95,740	1/2	111,443	1/2	127,146	1/2	142,846
3/4	3,821	3/4	17,806	3/4	33,295	3/4	48,958	3/4	64,661	3/4	80,364	3/4	96,067	3/4	111,770	3/4	127,473	3/4	143,173
4	4,090	4	18,117	4	33,622	4	49,285	4	64,988	4	80,691	4	96,394	4	112,097	4	127,800	4	143,500
1/4	4,364	1/4	18,432	1/4	33,949	1/4	49,612	1/4	65,315	1/4	81,018	1/4	96,721	1/4	112,424	1/4	128,127	1/4	143,827
1/2	4,637	1/2	18,746	1/2	34,275	1/2	49,939	1/2	65,642	1/2	81,345	1/2	97,048	1/2	112,751	1/2	128,454	1/2	144,154
3/4	4,911	3/4	19,060	3/4	34,602	3/4	50,267	3/4	65,969	3/4	81,672	3/4	97,375	3/4	113,078	3/4	128,781	3/4	144,481
5	5,184	5	19,375	5	34,929	5	50,594	5	66,297	5	82,000	5	97,703	5	113,405	5	129,108	5	144,808
1/4	5,461	1/4	19,693	1/4	35,255	1/4	50,921	1/4	66,624	1/4	82,327	1/4	98,030	1/4	113,733	1/4	129,436	1/4	145,135
1/2	5,738	1/2	20,010	1/2	35,581	1/2	51,248	1/2	66,951	1/2	82,654	1/2	98,357	1/2	114,060	1/2	129,763	1/2	145,462
3/4	6,015	3/4	20,328	3/4	35,907	3/4	51,575	3/4	67,278	3/4	82,981	3/4	98,684	3/4	114,387	3/4	130,090	3/4	145,789
6	6,292	6	20,646	6	36,233	6	51,902	6	67,605	6	83,308	6	99,011	6	114,714	6	130,417	6	146,117
1/4	6,572	1/4	20,967	1/4	36,559	1/4	52,229	1/4	67,932	1/4	83,635	1/4	99,338	1/4	115,041	1/4	130,744	1/4	146,444
1/2	6,852	1/2	21,288	1/2	36,885	1/2	52,557	1/2	68,260	1/2	83,962	1/2	99,665	1/2	115,368	1/2	131,071	1/2	146,771
3/4	7,133	3/4	21,609	3/4	37,211	3/4	52,884	3/4	68,587	3/4	84,290	3/4	99,993	3/4	115,695	3/4	131,398	3/4	147,098
7	7,413	7	21,931	7	37,536	7	53,211	7	68,914	7	84,617	7	100,320	7	116,023	7	131,726	7	147,425
1/4	7,697	1/4	22,248	1/4	37,862	1/4	53,538	1/4	69,241	1/4	84,944	1/4	100,647	1/4	116,350	1/4	132,053	1/4	147,752
1/2	7,980	1/2	22,565	1/2	38,188	1/2	53,865	1/2	69,568	1/2	85,271	1/2	100,974	1/2	116,677	1/2	132,380	1/2	148,079
3/4	8,264	3/4	22,882	3/4	38,514	3/4	54,192	3/4	69,895	3/4	85,598	3/4	101,301	3/4	117,004	3/4	132,707	3/4	148,406
8	8,548	8	23,199	8	38,840	8	54,519	8	70,222	8	85,925	8	101,628	8	117,331	8	133,034	8	148,733
1/4	8,835	1/4	23,517	1/4	39,166	1/4	54,847	1/4	70,550	1/4	86,252	1/4	101,955	1/4	117,658	1/4	133,361	1/4	149,060
1/2	9,122	1/2	23,835	1/2	39,492	1/2	55,174	1/2	70,877	1/2	86,580	1/2	102,283	1/2	117,985	1/2	133,688	1/2	149,387
3/4	9,409	3/4	24,154	3/4	39,818	3/4	55,501	3/4	71,204	3/4	86,907	3/4	102,610	3/4	118,313	3/4	134,015	3/4	149,714
9	9,696	9	24,472	9	40,144	9	55,828	9	71,531	9	87,234	9	102,937	9	118,640	9	134,342	9	150,041
1/4	9,987	1/4	24,798	1/4	40,470	1/4	56,155	1/4	71,858	1/4	87,561	1/4	103,264	1/4	118,967	1/4	134,669	1/4	150,368
1/2	10,277	1/2	25,124	1/2	40,796	1/2	56,482	1/2	72,185	1/2	87,888	1/2	103,591	1/2	119,294	1/2	134,996	1/2	150,695
3/4	10,568	3/4	25,450	3/4	41,122	3/4	56,809	3/4	72,512	3/4	88,215	3/4	103,918	3/4	119,621	3/4	135,323	3/4	151,023
10	10,859	10	25,776	10	41,448	10	57,137	10	72,840	10	88,542	10	104,245	10	119,948	10	135,650	10	151,350
1/4	11,153	1/4	26,103	1/4	41,774	1/4	57,464	1/4	73,167	1/4	88,870	1/4	104,573	1/4	120,276	1/4	135,977	1/4	151,677
1/2	11,446	1/2	26,430	1/2	42,100	1/2	57,791	1/2	73,494	1/2	89,197	1/2	104,900	1/2	120,603	1/2	136,305	1/2	152,004
3/4	11,740	3/4	26,757	3/4	42,426	3/4	58,118	3/4	73,821	3/4	89,524	3/4	105,227	3/4	120,930	3/4	136,632	3/4	152,331
11	12,034	11	27,085	11	42,752	11	58,445	11	74,148	11	89,851	11	105,554	11	121,257	11	136,959	11	152,658
1/4	12,332	1/4	27,412	1/4	43,078	1/4	58,772	1/4	74,475	1/4	90,178	1/4	105,881	1/4	121,584	1/4	137,286	1/4	152,985
1/2	12,629	1/2	27,739	1/2	43,404	1/2	59,099	1/2	74,802	1/2	90,505	1/2	106,208	1/2	121,911	1/2	137,613	1/2	153,312
3/4	12,926	3/4	28,066	3/4	43,731	3/4	59,427	3/4	75,130	3/4	90,832	3/4	106,535	3/4	122,238	3/4	137,940	3/4	153,639

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 11'-00" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 312"

1 STBD
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-03 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	153,966	0	169,665	0	185,292	0	200,904	0	216,428	0		0		0		0		0	
1/4	154,293	1/4	169,992	1/4	185,618	1/4	201,229	1/4	216,741	1/4		1/4		1/4		1/4		1/4	
1/2	154,620	1/2	170,319	1/2	185,943	1/2	201,555	1/2	217,054	1/2		1/2		1/2		1/2		1/2	
3/4	154,947	3/4	170,647	3/4	186,268	3/4	201,880	3/4	217,368	3/4		3/4		3/4		3/4		3/4	
1	155,274	1	170,974	1	186,593	1	202,205	1	217,681	1		1		1		1		1	
1/4	155,601	1/4	171,301	1/4	186,919	1/4	202,530	1/4	217,954	1/4		1/4		1/4		1/4		1/4	
1/2	155,929	1/2	171,628	1/2	187,244	1/2	202,856	1/2	218,227	1/2		1/2		1/2		1/2		1/2	
3/4	156,256	3/4	171,955	3/4	187,569	3/4	203,181	3/4	218,500	3/4		3/4		3/4		3/4		3/4	
2	156,583	2	172,282	2	187,894	2	203,506	2	218,773	2		2		2		2		2	
1/4	156,910	1/4	172,607	1/4	188,220	1/4	203,831	1/4	218,993	1/4		1/4		1/4		1/4		1/4	
1/2	157,237	1/2	172,933	1/2	188,545	1/2	204,157	1/2	219,212	1/2		1/2		1/2		1/2		1/2	
3/4	157,564	3/4	173,258	3/4	188,870	3/4	204,482	3/4	219,432	3/4		3/4		3/4		3/4		3/4	
3	157,891	3	173,584	3	189,195	3	204,807	3	219,652	3		3		3		3		3	
1/4	158,218	1/4	173,909	1/4	189,521	1/4	205,132	1/4	219,817	1/4		1/4		1/4		1/4		1/4	
1/2	158,545	1/2	174,234	1/2	189,846	1/2	205,458	1/2	219,982	1/2		1/2		1/2		1/2		1/2	
3/4	158,872	3/4	174,559	3/4	190,171	3/4	205,783	3/4		3/4		3/4		3/4		3/4		3/4	
4	159,199	4	174,885	4	190,496	4	206,108	4		4		4		4		4		4	
1/4	159,526	1/4	175,210	1/4	190,822	1/4	206,433	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,853	1/2	175,535	1/2	191,147	1/2	206,758	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,180	3/4	175,860	3/4	191,472	3/4	207,084	3/4		3/4		3/4		3/4		3/4		3/4	
5	160,507	5	176,186	5	191,797	5	207,409	5		5		5		5		5		5	
1/4	160,835	1/4	176,511	1/4	192,123	1/4	207,734	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,162	1/2	176,836	1/2	192,448	1/2	208,059	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,489	3/4	177,161	3/4	192,773	3/4	208,385	3/4		3/4		3/4		3/4		3/4		3/4	
6	161,816	6	177,487	6	193,098	6	208,710	6		6		6		6		6		6	
1/4	162,143	1/4	177,812	1/4	193,424	1/4	209,035	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,470	1/2	178,137	1/2	193,749	1/2	209,360	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,797	3/4	178,462	3/4	194,074	3/4	209,686	3/4		3/4		3/4		3/4		3/4		3/4	
7	163,124	7	178,788	7	194,399	7	210,011	7		7		7		7		7		7	
1/4	163,451	1/4	179,113	1/4	194,725	1/4	210,333	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,778	1/2	179,438	1/2	195,050	1/2	210,655	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,105	3/4	179,763	3/4	195,375	3/4	210,977	3/4		3/4		3/4		3/4		3/4		3/4	
8	164,432	8	180,089	8	195,700	8	211,300	8		8		8		8		8		8	
1/4	164,759	1/4	180,414	1/4	196,025	1/4	211,621	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	165,086	1/2	180,739	1/2	196,351	1/2	211,943	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	165,413	3/4	181,064	3/4	196,676	3/4	212,264	3/4		3/4		3/4		3/4		3/4		3/4	
9	165,741	9	181,390	9	197,001	9	212,586	9		9		9		9		9		9	
1/4	166,068	1/4	181,715	1/4	197,326	1/4	212,907	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	166,395	1/2	182,040	1/2	197,652	1/2	213,228	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	166,722	3/4	182,365	3/4	197,977	3/4	213,549	3/4		3/4		3/4		3/4		3/4		3/4	
10	167,049	10	182,691	10	198,302	10	213,870	10		10		10		10		10		10	
1/4	167,376	1/4	183,016	1/4	198,627	1/4	214,190	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	167,703	1/2	183,341	1/2	198,953	1/2	214,511	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	168,030	3/4	183,666	3/4	199,278	3/4	214,831	3/4		3/4		3/4		3/4		3/4		3/4	
11	168,357	11	183,992	11	199,603	11	215,151	11		11		11		11		11		11	
1/4	168,684	1/4	184,317	1/4	199,928	1/4	215,470	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	169,011	1/2	184,642	1/2	200,254	1/2	215,790	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	169,338	3/4	184,967	3/4	200,579	3/4	216,109	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/06/2013 CL - SW
CALCULATED: 02/07/2013 CL
PRINTED: 02/07/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

PRECISION MEASUREMENT
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BARGE "CBC 312"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-03 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	593	0	15,007	0	30,160	0	45,133	0	60,207	0	75,360	0	90,513	0	105,666	0	120,819	0	135,971
1/4	780	1/4	15,323	1/4	30,476	1/4	45,442	1/4	60,522	1/4	75,676	1/4	90,829	1/4	105,982	1/4	121,135	1/4	136,287
1/2	968	1/2	15,639	1/2	30,791	1/2	45,751	1/2	60,838	1/2	75,991	1/2	91,144	1/2	106,298	1/2	121,451	1/2	136,602
3/4	1,155	3/4	15,954	3/4	31,107	3/4	46,060	3/4	61,154	3/4	76,307	3/4	91,460	3/4	106,613	3/4	121,766	3/4	136,918
1	1,343	1	16,270	1	31,423	1	46,369	1	61,469	1	76,623	1	91,776	1	106,929	1	122,082	1	137,233
1/4	1,609	1/4	16,586	1/4	31,738	1/4	46,679	1/4	61,785	1/4	76,938	1/4	92,091	1/4	107,245	1/4	122,398	1/4	137,549
1/2	1,875	1/2	16,901	1/2	32,054	1/2	46,988	1/2	62,101	1/2	77,254	1/2	92,407	1/2	107,560	1/2	122,713	1/2	137,865
3/4	2,141	3/4	17,217	3/4	32,370	3/4	47,298	3/4	62,416	3/4	77,570	3/4	92,723	3/4	107,876	3/4	123,029	3/4	138,180
2	2,408	2	17,533	2	32,685	2	47,607	2	62,732	2	77,885	2	93,039	2	108,192	2	123,345	2	138,496
1/4	2,717	1/4	17,848	1/4	33,001	1/4	47,916	1/4	63,048	1/4	78,201	1/4	93,354	1/4	108,507	1/4	123,661	1/4	138,812
1/2	3,027	1/2	18,164	1/2	33,317	1/2	48,226	1/2	63,364	1/2	78,517	1/2	93,670	1/2	108,823	1/2	123,976	1/2	139,127
3/4	3,336	3/4	18,480	3/4	33,633	3/4	48,535	3/4	63,679	3/4	78,832	3/4	93,986	3/4	109,139	3/4	124,292	3/4	139,443
3	3,645	3	18,795	3	33,948	3	48,845	3	63,995	3	79,148	3	94,301	3	109,454	3	124,608	3	139,758
1/4	3,961	1/4	19,111	1/4	34,264	1/4	49,160	1/4	64,311	1/4	79,464	1/4	94,617	1/4	109,770	1/4	124,923	1/4	140,074
1/2	4,276	1/2	19,427	1/2	34,580	1/2	49,475	1/2	64,626	1/2	79,779	1/2	94,933	1/2	110,086	1/2	125,239	1/2	140,390
3/4	4,591	3/4	19,743	3/4	34,895	3/4	49,790	3/4	64,942	3/4	80,095	3/4	95,248	3/4	110,402	3/4	125,555	3/4	140,705
4	4,906	4	20,058	4	35,211	4	50,105	4	65,258	4	80,411	4	95,564	4	110,717	4	125,870	4	141,021
1/4	5,222	1/4	20,374	1/4	35,527	1/4	50,420	1/4	65,573	1/4	80,727	1/4	95,880	1/4	111,033	1/4	126,186	1/4	141,336
1/2	5,537	1/2	20,690	1/2	35,842	1/2	50,736	1/2	65,889	1/2	81,042	1/2	96,195	1/2	111,349	1/2	126,502	1/2	141,652
3/4	5,853	3/4	21,005	3/4	36,158	3/4	51,052	3/4	66,205	3/4	81,358	3/4	96,511	3/4	111,664	3/4	126,817	3/4	141,968
5	6,168	5	21,321	5	36,474	5	51,367	5	66,520	5	81,674	5	96,827	5	111,980	5	127,133	5	142,283
1/4	6,484	1/4	21,637	1/4	36,784	1/4	51,683	1/4	66,836	1/4	81,989	1/4	97,142	1/4	112,296	1/4	127,449	1/4	142,599
1/2	6,800	1/2	21,952	1/2	37,094	1/2	51,999	1/2	67,152	1/2	82,305	1/2	97,458	1/2	112,611	1/2	127,765	1/2	142,914
3/4	7,115	3/4	22,268	3/4	37,404	3/4	52,314	3/4	67,468	3/4	82,621	3/4	97,774	3/4	112,927	3/4	128,080	3/4	143,230
6	7,431	6	22,584	6	37,713	6	52,630	6	67,783	6	82,936	6	98,090	6	113,243	6	128,396	6	143,546
1/4	7,747	1/4	22,899	1/4	38,023	1/4	52,946	1/4	68,099	1/4	83,252	1/4	98,405	1/4	113,558	1/4	128,712	1/4	143,861
1/2	8,062	1/2	23,215	1/2	38,332	1/2	53,261	1/2	68,415	1/2	83,568	1/2	98,721	1/2	113,874	1/2	129,027	1/2	144,177
3/4	8,378	3/4	23,531	3/4	38,641	3/4	53,577	3/4	68,730	3/4	83,883	3/4	99,037	3/4	114,190	3/4	129,343	3/4	144,493
7	8,694	7	23,846	7	38,950	7	53,893	7	69,046	7	84,199	7	99,352	7	114,506	7	129,659	7	144,808
1/4	9,009	1/4	24,162	1/4	39,259	1/4	54,209	1/4	69,362	1/4	84,515	1/4	99,668	1/4	114,821	1/4	129,974	1/4	145,124
1/2	9,325	1/2	24,478	1/2	39,568	1/2	54,524	1/2	69,677	1/2	84,831	1/2	99,984	1/2	115,137	1/2	130,290	1/2	145,439
3/4	9,641	3/4	24,793	3/4	39,877	3/4	54,840	3/4	69,993	3/4	85,146	3/4	100,299	3/4	115,453	3/4	130,606	3/4	145,755
8	9,956	8	25,109	8	40,187	8	55,156	8	70,309	8	85,462	8	100,615	8	115,768	8	130,921	8	146,071
1/4	10,272	1/4	25,425	1/4	40,496	1/4	55,471	1/4	70,624	1/4	85,778	1/4	100,931	1/4	116,084	1/4	131,237	1/4	146,386
1/2	10,588	1/2	25,740	1/2	40,805	1/2	55,787	1/2	70,940	1/2	86,093	1/2	101,246	1/2	116,400	1/2	131,552	1/2	146,702
3/4	10,903	3/4	26,056	3/4	41,114	3/4	56,103	3/4	71,256	3/4	86,409	3/4	101,562	3/4	116,715	3/4	131,868	3/4	147,017
9	11,219	9	26,372	9	41,423	9	56,418	9	71,572	9	86,725	9	101,878	9	117,031	9	132,184	9	147,333
1/4	11,535	1/4	26,688	1/4	41,732	1/4	56,734	1/4	71,887	1/4	87,040	1/4	102,194	1/4	117,347	1/4	132,499	1/4	147,649
1/2	11,850	1/2	27,003	1/2	42,041	1/2	57,050	1/2	72,203	1/2	87,356	1/2	102,509	1/2	117,662	1/2	132,815	1/2	147,964
3/4	12,166	3/4	27,319	3/4	42,351	3/4	57,365	3/4	72,519	3/4	87,672	3/4	102,825	3/4	117,978	3/4	133,130	3/4	148,280
10	12,482	10	27,635	10	42,660	10	57,681	10	72,834	10	87,987	10	103,141	10	118,294	10	133,446	10	148,596
1/4	12,798	1/4	27,950	1/4	42,969	1/4	57,997	1/4	73,150	1/4	88,303	1/4	103,456	1/4	118,609	1/4	133,762	1/4	148,911
1/2	13,113	1/2	28,266	1/2	43,278	1/2	58,313	1/2	73,466	1/2	88,619	1/2	103,772	1/2	118,925	1/2	134,077	1/2	149,227
3/4	13,429	3/4	28,582	3/4	43,587	3/4	58,628	3/4	73,781	3/4	88,935	3/4	104,088	3/4	119,241	3/4	134,393	3/4	149,542
11	13,745	11	28,897	11	43,896	11	58,944	11	74,097	11	89,250	11	104,403	11	119,557	11	134,709	11	149,858
1/4	14,060	1/4	29,213	1/4	44,205	1/4	59,260	1/4	74,413	1/4	89,566	1/4	104,719	1/4	119,872	1/4	135,024	1/4	150,174
1/2	14,376	1/2	29,529	1/2	44,514	1/2	59,575	1/2	74,728	1/2	89,882	1/2	105,035	1/2	120,188	1/2	135,340	1/2	150,489
3/4	14,692	3/4	29,844	3/4	44,824	3/4	59,891	3/4	75,044	3/4	90,197	3/4	105,350	3/4	120,504	3/4	135,655	3/4	150,805

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 11'-00" OFF CENTERLINE AND 44'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 312"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-03 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	151,120	0	166,270	0	181,347	0	196,409	0	211,384	0		0		0		0		0	
1/4	151,436	1/4	166,585	1/4	181,661	1/4	196,723	1/4	211,686	1/4		1/4		1/4		1/4		1/4	
1/2	151,752	1/2	166,901	1/2	181,975	1/2	197,037	1/2	211,988	1/2		1/2		1/2		1/2		1/2	
3/4	152,067	3/4	167,217	3/4	182,289	3/4	197,350	3/4	212,290	3/4		3/4		3/4		3/4		3/4	
1	152,383	1	167,532	1	182,602	1	197,664	1	212,593	1		1		1		1		1	
1/4	152,698	1/4	167,848	1/4	182,916	1/4	197,978	1/4	212,856	1/4		1/4		1/4		1/4		1/4	
1/2	153,014	1/2	168,164	1/2	183,230	1/2	198,292	1/2	213,119	1/2		1/2		1/2		1/2		1/2	
3/4	153,330	3/4	168,479	3/4	183,544	3/4	198,606	3/4	213,382	3/4		3/4		3/4		3/4		3/4	
2	153,645	2	168,795	2	183,858	2	198,919	2	213,646	2		2		2		2		2	
1/4	153,961	1/4	169,109	1/4	184,171	1/4	199,233	1/4	213,857	1/4		1/4		1/4		1/4		1/4	
1/2	154,277	1/2	169,423	1/2	184,485	1/2	199,547	1/2	214,069	1/2		1/2		1/2		1/2		1/2	
3/4	154,592	3/4	169,737	3/4	184,799	3/4	199,861	3/4	214,281	3/4		3/4		3/4		3/4		3/4	
3	154,908	3	170,051	3	185,113	3	200,175	3	214,493	3		3		3		3		3	
1/4	155,223	1/4	170,365	1/4	185,426	1/4	200,488	1/4	214,652	1/4		1/4		1/4		1/4		1/4	
1/2	155,539	1/2	170,678	1/2	185,740	1/2	200,802	1/2	214,811	1/2		1/2		1/2		1/2		1/2	
3/4	155,855	3/4	170,992	3/4	186,054	3/4	201,116	3/4		3/4		3/4		3/4		3/4		3/4	
4	156,170	4	171,306	4	186,368	4	201,430	4		4		4		4		4		4	
1/4	156,486	1/4	171,620	1/4	186,682	1/4	201,744	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,801	1/2	171,934	1/2	186,995	1/2	202,057	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,117	3/4	172,247	3/4	187,309	3/4	202,371	3/4		3/4		3/4		3/4		3/4		3/4	
5	157,433	5	172,561	5	187,623	5	202,685	5		5		5		5		5		5	
1/4	157,748	1/4	172,875	1/4	187,937	1/4	202,999	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,064	1/2	173,189	1/2	188,251	1/2	203,312	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,380	3/4	173,503	3/4	188,564	3/4	203,626	3/4		3/4		3/4		3/4		3/4		3/4	
6	158,695	6	173,816	6	188,878	6	203,940	6		6		6		6		6		6	
1/4	159,011	1/4	174,130	1/4	189,192	1/4	204,254	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,326	1/2	174,444	1/2	189,506	1/2	204,568	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,642	3/4	174,758	3/4	189,820	3/4	204,881	3/4		3/4		3/4		3/4		3/4		3/4	
7	159,958	7	175,071	7	190,133	7	205,195	7		7		7		7		7		7	
1/4	160,273	1/4	175,385	1/4	190,447	1/4	205,506	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,589	1/2	175,699	1/2	190,761	1/2	205,817	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,904	3/4	176,013	3/4	191,075	3/4	206,127	3/4		3/4		3/4		3/4		3/4		3/4	
8	161,220	8	176,327	8	191,388	8	206,438	8		8		8		8		8		8	
1/4	161,536	1/4	176,640	1/4	191,702	1/4	206,748	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,851	1/2	176,954	1/2	192,016	1/2	207,058	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,167	3/4	177,268	3/4	192,330	3/4	207,368	3/4		3/4		3/4		3/4		3/4		3/4	
9	162,482	9	177,582	9	192,644	9	207,678	9		9		9		9		9		9	
1/4	162,798	1/4	177,896	1/4	192,957	1/4	207,988	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,114	1/2	178,209	1/2	193,271	1/2	208,298	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,429	3/4	178,523	3/4	193,585	3/4	208,607	3/4		3/4		3/4		3/4		3/4		3/4	
10	163,745	10	178,837	10	193,899	10	208,917	10		10		10		10		10		10	
1/4	164,061	1/4	179,151	1/4	194,213	1/4	209,226	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,376	1/2	179,464	1/2	194,526	1/2	209,535	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,692	3/4	179,778	3/4	194,840	3/4	209,844	3/4		3/4		3/4		3/4		3/4		3/4	
11	165,007	11	180,092	11	195,154	11	210,153	11		11		11		11		11		11	
1/4	165,323	1/4	180,406	1/4	195,468	1/4	210,461	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	165,639	1/2	180,720	1/2	195,782	1/2	210,768	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	165,954	3/4	181,033	3/4	196,095	3/4	211,076	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/06/2013 CL - SW
CALCULATED: 02/07/2013 CL
PRINTED: 02/07/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 312"

2 STBD

INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 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	593	0	15,011	0	30,167	0	45,038	0	60,143	0	75,300	0	90,456	0	105,613	0	120,770	0	135,926
1/4	780	1/4	15,327	1/4	30,483	1/4	45,346	1/4	60,458	1/4	75,615	1/4	90,772	1/4	105,929	1/4	121,086	1/4	136,241
1/2	968	1/2	15,643	1/2	30,799	1/2	45,653	1/2	60,774	1/2	75,931	1/2	91,088	1/2	106,245	1/2	121,402	1/2	136,557
3/4	1,155	3/4	15,958	3/4	31,115	3/4	45,961	3/4	61,090	3/4	76,247	3/4	91,404	3/4	106,561	3/4	121,718	3/4	136,873
1	1,343	1	16,274	1	31,430	1	46,268	1	61,406	1	76,563	1	91,720	1	106,876	1	122,033	1	137,188
1/4	1,609	1/4	16,590	1/4	31,746	1/4	46,581	1/4	61,722	1/4	76,878	1/4	92,035	1/4	107,192	1/4	122,349	1/4	137,504
1/2	1,876	1/2	16,906	1/2	32,062	1/2	46,894	1/2	62,037	1/2	77,194	1/2	92,351	1/2	107,508	1/2	122,665	1/2	137,820
3/4	2,142	3/4	17,221	3/4	32,378	3/4	47,207	3/4	62,353	3/4	77,510	3/4	92,667	3/4	107,824	3/4	122,981	3/4	138,135
2	2,408	2	17,537	2	32,694	2	47,520	2	62,669	2	77,826	2	92,983	2	108,139	2	123,296	2	138,451
1/4	2,718	1/4	17,853	1/4	33,009	1/4	47,834	1/4	62,985	1/4	78,141	1/4	93,298	1/4	108,455	1/4	123,612	1/4	138,767
1/2	3,027	1/2	18,169	1/2	33,325	1/2	48,148	1/2	63,300	1/2	78,457	1/2	93,614	1/2	108,771	1/2	123,928	1/2	139,083
3/4	3,337	3/4	18,484	3/4	33,641	3/4	48,462	3/4	63,616	3/4	78,773	3/4	93,930	3/4	109,087	3/4	124,244	3/4	139,398
3	3,646	3	18,800	3	33,957	3	48,776	3	63,932	3	79,089	3	94,246	3	109,403	3	124,559	3	139,714
1/4	3,962	1/4	19,116	1/4	34,266	1/4	49,091	1/4	64,248	1/4	79,405	1/4	94,561	1/4	109,718	1/4	124,875	1/4	140,030
1/2	4,277	1/2	19,432	1/2	34,575	1/2	49,407	1/2	64,563	1/2	79,720	1/2	94,877	1/2	110,034	1/2	125,191	1/2	140,345
3/4	4,592	3/4	19,747	3/4	34,884	3/4	49,723	3/4	64,879	3/4	80,036	3/4	95,193	3/4	110,350	3/4	125,507	3/4	140,661
4	4,907	4	20,063	4	35,193	4	50,038	4	65,195	4	80,352	4	95,509	4	110,666	4	125,823	4	140,977
1/4	5,223	1/4	20,379	1/4	35,502	1/4	50,354	1/4	65,511	1/4	80,668	1/4	95,825	1/4	110,981	1/4	126,138	1/4	141,292
1/2	5,538	1/2	20,695	1/2	35,810	1/2	50,670	1/2	65,826	1/2	80,983	1/2	96,140	1/2	111,297	1/2	126,454	1/2	141,608
3/4	5,854	3/4	21,010	3/4	36,118	3/4	50,985	3/4	66,142	3/4	81,299	3/4	96,456	3/4	111,613	3/4	126,770	3/4	141,924
5	6,170	5	21,326	5	36,426	5	51,301	5	66,458	5	81,615	5	96,772	5	111,929	5	127,086	5	142,239
1/4	6,486	1/4	21,642	1/4	36,734	1/4	51,617	1/4	66,774	1/4	81,931	1/4	97,088	1/4	112,244	1/4	127,401	1/4	142,555
1/2	6,801	1/2	21,958	1/2	37,042	1/2	51,933	1/2	67,090	1/2	82,246	1/2	97,403	1/2	112,560	1/2	127,717	1/2	142,871
3/4	7,117	3/4	22,273	3/4	37,349	3/4	52,248	3/4	67,405	3/4	82,562	3/4	97,719	3/4	112,876	3/4	128,033	3/4	143,187
6	7,433	6	22,589	6	37,657	6	52,564	6	67,721	6	82,878	6	98,035	6	113,192	6	128,349	6	143,502
1/4	7,749	1/4	22,905	1/4	37,964	1/4	52,880	1/4	68,037	1/4	83,194	1/4	98,351	1/4	113,508	1/4	128,664	1/4	143,818
1/2	8,064	1/2	23,221	1/2	38,272	1/2	53,196	1/2	68,353	1/2	83,510	1/2	98,666	1/2	113,823	1/2	128,980	1/2	144,134
3/4	8,380	3/4	23,537	3/4	38,580	3/4	53,512	3/4	68,668	3/4	83,825	3/4	98,982	3/4	114,139	3/4	129,296	3/4	144,449
7	8,696	7	23,852	7	38,887	7	53,827	7	68,984	7	84,141	7	99,298	7	114,455	7	129,612	7	144,765
1/4	9,012	1/4	24,168	1/4	39,195	1/4	54,143	1/4	69,300	1/4	84,457	1/4	99,614	1/4	114,771	1/4	129,927	1/4	145,081
1/2	9,327	1/2	24,484	1/2	39,502	1/2	54,459	1/2	69,616	1/2	84,773	1/2	99,930	1/2	115,086	1/2	130,243	1/2	145,396
3/4	9,643	3/4	24,800	3/4	39,810	3/4	54,775	3/4	69,931	3/4	85,088	3/4	100,245	3/4	115,402	3/4	130,559	3/4	145,712
8	9,959	8	25,115	8	40,117	8	55,090	8	70,247	8	85,404	8	100,561	8	115,718	8	130,875	8	146,028
1/4	10,275	1/4	25,431	1/4	40,425	1/4	55,406	1/4	70,563	1/4	85,720	1/4	100,877	1/4	116,034	1/4	131,190	1/4	146,343
1/2	10,590	1/2	25,747	1/2	40,732	1/2	55,722	1/2	70,879	1/2	86,036	1/2	101,193	1/2	116,349	1/2	131,506	1/2	146,659
3/4	10,906	3/4	26,063	3/4	41,040	3/4	56,038	3/4	71,195	3/4	86,351	3/4	101,508	3/4	116,665	3/4	131,822	3/4	146,975
9	11,222	9	26,378	9	41,347	9	56,353	9	71,510	9	86,667	9	101,824	9	116,981	9	132,137	9	147,290
1/4	11,538	1/4	26,694	1/4	41,655	1/4	56,669	1/4	71,826	1/4	86,983	1/4	102,140	1/4	117,297	1/4	132,453	1/4	147,606
1/2	11,853	1/2	27,010	1/2	41,963	1/2	56,985	1/2	72,142	1/2	87,299	1/2	102,456	1/2	117,613	1/2	132,769	1/2	147,922
3/4	12,169	3/4	27,326	3/4	42,270	3/4	57,301	3/4	72,458	3/4	87,615	3/4	102,771	3/4	117,928	3/4	133,084	3/4	148,238
10	12,485	10	27,641	10	42,578	10	57,617	10	72,773	10	87,930	10	103,087	10	118,244	10	133,400	10	148,553
1/4	12,801	1/4	27,957	1/4	42,885	1/4	57,932	1/4	73,089	1/4	88,246	1/4	103,403	1/4	118,560	1/4	133,716	1/4	148,869
1/2	13,116	1/2	28,273	1/2	43,193	1/2	58,248	1/2	73,405	1/2	88,562	1/2	103,719	1/2	118,876	1/2	134,031	1/2	149,185
3/4	13,432	3/4	28,589	3/4	43,500	3/4	58,564	3/4	73,721	3/4	88,878	3/4	104,035	3/4	119,191	3/4	134,347	3/4	149,500
11	13,748	11	28,904	11	43,808	11	58,880	11	74,036	11	89,193	11	104,350	11	119,507	11	134,663	11	149,816
1/4	14,064	1/4	29,220	1/4	44,115	1/4	59,195	1/4	74,352	1/4	89,509	1/4	104,666	1/4	119,823	1/4	134,979	1/4	150,132
1/2	14,379	1/2	29,536	1/2	44,423	1/2	59,511	1/2	74,668	1/2	89,825	1/2	104,982	1/2	120,139	1/2	135,294	1/2	150,447
3/4	14,695	3/4	29,852	3/4	44,730	3/4	59,827	3/4	74,984	3/4	90,141	3/4	105,298	3/4	120,454	3/4	135,610	3/4	150,763

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 11'-00" OFF CENTERLINE AND 44'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 312"

2 STBD
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	151,079	0	166,232	0	181,313	0	196,379	0	211,357	0		0		0		0		0	
1/4	151,394	1/4	166,548	1/4	181,627	1/4	196,693	1/4	211,659	1/4		1/4		1/4		1/4		1/4	
1/2	151,710	1/2	166,863	1/2	181,941	1/2	197,006	1/2	211,962	1/2		1/2		1/2		1/2		1/2	
3/4	152,026	3/4	167,179	3/4	182,255	3/4	197,320	3/4	212,264	3/4		3/4		3/4		3/4		3/4	
1	152,342	1	167,495	1	182,569	1	197,634	1	212,566	1		1		1		1		1	
1/4	152,657	1/4	167,810	1/4	182,882	1/4	197,948	1/4	212,829	1/4		1/4		1/4		1/4		1/4	
1/2	152,973	1/2	168,126	1/2	183,196	1/2	198,262	1/2	213,093	1/2		1/2		1/2		1/2		1/2	
3/4	153,289	3/4	168,442	3/4	183,510	3/4	198,576	3/4	213,356	3/4		3/4		3/4		3/4		3/4	
2	153,604	2	168,757	2	183,824	2	198,890	2	213,619	2		2		2		2		2	
1/4	153,920	1/4	169,072	1/4	184,138	1/4	199,203	1/4	213,831	1/4		1/4		1/4		1/4		1/4	
1/2	154,236	1/2	169,386	1/2	184,452	1/2	199,517	1/2	214,043	1/2		1/2		1/2		1/2		1/2	
3/4	154,551	3/4	169,700	3/4	184,766	3/4	199,831	3/4	214,255	3/4		3/4		3/4		3/4		3/4	
3	154,867	3	170,014	3	185,079	3	200,145	3	214,467	3		3		3		3		3	
1/4	155,183	1/4	170,328	1/4	185,393	1/4	200,459	1/4	214,626	1/4		1/4		1/4		1/4		1/4	
1/2	155,498	1/2	170,642	1/2	185,707	1/2	200,773	1/2	214,785	1/2		1/2		1/2		1/2		1/2	
3/4	155,814	3/4	170,955	3/4	186,021	3/4	201,087	3/4		3/4		3/4		3/4		3/4		3/4	
4	156,130	4	171,269	4	186,335	4	201,401	4		4		4		4		4		4	
1/4	156,446	1/4	171,583	1/4	186,649	1/4	201,714	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,761	1/2	171,897	1/2	186,963	1/2	202,028	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,077	3/4	172,211	3/4	187,277	3/4	202,342	3/4		3/4		3/4		3/4		3/4		3/4	
5	157,393	5	172,525	5	187,590	5	202,656	5		5		5		5		5		5	
1/4	157,708	1/4	172,839	1/4	187,904	1/4	202,970	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,024	1/2	173,153	1/2	188,218	1/2	203,284	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,340	3/4	173,466	3/4	188,532	3/4	203,598	3/4		3/4		3/4		3/4		3/4		3/4	
6	158,655	6	173,780	6	188,846	6	203,911	6		6		6		6		6		6	
1/4	158,971	1/4	174,094	1/4	189,160	1/4	204,225	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,287	1/2	174,408	1/2	189,474	1/2	204,539	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,602	3/4	174,722	3/4	189,787	3/4	204,853	3/4		3/4		3/4		3/4		3/4		3/4	
7	159,918	7	175,036	7	190,101	7	205,167	7		7		7		7		7		7	
1/4	160,234	1/4	175,350	1/4	190,415	1/4	205,478	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,550	1/2	175,663	1/2	190,729	1/2	205,788	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,865	3/4	175,977	3/4	191,043	3/4	206,099	3/4		3/4		3/4		3/4		3/4		3/4	
8	161,181	8	176,291	8	191,357	8	206,410	8		8		8		8		8		8	
1/4	161,497	1/4	176,605	1/4	191,671	1/4	206,720	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,812	1/2	176,919	1/2	191,985	1/2	207,030	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,128	3/4	177,233	3/4	192,298	3/4	207,341	3/4		3/4		3/4		3/4		3/4		3/4	
9	162,444	9	177,547	9	192,612	9	207,651	9		9		9		9		9		9	
1/4	162,759	1/4	177,861	1/4	192,926	1/4	207,960	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,075	1/2	178,174	1/2	193,240	1/2	208,270	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,391	3/4	178,488	3/4	193,554	3/4	208,580	3/4		3/4		3/4		3/4		3/4		3/4	
10	163,706	10	178,802	10	193,868	10	208,890	10		10		10		10		10		10	
1/4	164,022	1/4	179,116	1/4	194,182	1/4	209,199	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,338	1/2	179,430	1/2	194,495	1/2	209,508	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,653	3/4	179,744	3/4	194,809	3/4	209,817	3/4		3/4		3/4		3/4		3/4		3/4	
11	164,969	11	180,058	11	195,123	11	210,126	11		11		11		11		11		11	
1/4	165,285	1/4	180,371	1/4	195,437	1/4	210,434	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	165,601	1/2	180,685	1/2	195,751	1/2	210,741	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	165,916	3/4	180,999	3/4	196,065	3/4	211,049	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/06/2013 CL - SW
CALCULATED: 02/07/2013 CL
PRINTED: 02/07/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 312"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-03 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	610	0	15,465	0	31,072	0	46,405	0	61,813	0	77,387	0	92,958	0	108,480	0	124,039	0	139,600
1/4	803	1/4	15,790	1/4	31,396	1/4	46,721	1/4	62,138	1/4	77,712	1/4	93,282	1/4	108,804	1/4	124,363	1/4	139,924
1/2	997	1/2	16,115	1/2	31,721	1/2	47,037	1/2	62,462	1/2	78,036	1/2	93,605	1/2	109,128	1/2	124,687	1/2	140,248
3/4	1,190	3/4	16,441	3/4	32,045	3/4	47,353	3/4	62,787	3/4	78,361	3/4	93,928	3/4	109,452	3/4	125,011	3/4	140,573
1	1,383	1	16,766	1	32,369	1	47,669	1	63,111	1	78,685	1	94,252	1	109,775	1	125,335	1	140,897
1/4	1,657	1/4	17,091	1/4	32,694	1/4	47,985	1/4	63,436	1/4	79,010	1/4	94,575	1/4	110,099	1/4	125,660	1/4	141,221
1/2	1,932	1/2	17,416	1/2	33,018	1/2	48,302	1/2	63,760	1/2	79,334	1/2	94,898	1/2	110,423	1/2	125,984	1/2	141,545
3/4	2,206	3/4	17,742	3/4	33,342	3/4	48,618	3/4	64,085	3/4	79,659	3/4	95,222	3/4	110,747	3/4	126,308	3/4	141,869
2	2,481	2	18,067	2	33,667	2	48,934	2	64,409	2	79,983	2	95,545	2	111,071	2	126,632	2	142,193
1/4	2,800	1/4	18,392	1/4	33,991	1/4	49,250	1/4	64,734	1/4	80,307	1/4	95,869	1/4	111,395	1/4	126,956	1/4	142,518
1/2	3,118	1/2	18,718	1/2	34,315	1/2	49,567	1/2	65,058	1/2	80,632	1/2	96,192	1/2	111,719	1/2	127,281	1/2	142,842
3/4	3,437	3/4	19,043	3/4	34,639	3/4	49,883	3/4	65,383	3/4	80,956	3/4	96,515	3/4	112,043	3/4	127,605	3/4	143,166
3	3,756	3	19,368	3	34,964	3	50,199	3	65,707	3	81,281	3	96,839	3	112,367	3	127,929	3	143,490
1/4	4,081	1/4	19,694	1/4	35,288	1/4	50,516	1/4	66,032	1/4	81,605	1/4	97,162	1/4	112,691	1/4	128,253	1/4	143,814
1/2	4,406	1/2	20,019	1/2	35,612	1/2	50,832	1/2	66,356	1/2	81,930	1/2	97,485	1/2	113,015	1/2	128,577	1/2	144,139
3/4	4,730	3/4	20,344	3/4	35,937	3/4	51,149	3/4	66,680	3/4	82,254	3/4	97,809	3/4	113,340	3/4	128,902	3/4	144,463
4	5,055	4	20,670	4	36,261	4	51,466	4	67,005	4	82,579	4	98,132	4	113,664	4	129,226	4	144,787
1/4	5,380	1/4	20,995	1/4	36,585	1/4	51,782	1/4	67,329	1/4	82,903	1/4	98,456	1/4	113,988	1/4	129,550	1/4	145,110
1/2	5,705	1/2	21,320	1/2	36,910	1/2	52,099	1/2	67,653	1/2	83,228	1/2	98,779	1/2	114,312	1/2	129,874	1/2	145,434
3/4	6,031	3/4	21,646	3/4	37,234	3/4	52,415	3/4	67,978	3/4	83,552	3/4	99,102	3/4	114,636	3/4	130,198	3/4	145,757
5	6,356	5	21,971	5	37,558	5	52,732	5	68,302	5	83,877	5	99,426	5	114,961	5	130,523	5	146,081
1/4	6,681	1/4	22,296	1/4	37,875	1/4	53,056	1/4	68,626	1/4	84,201	1/4	99,749	1/4	115,285	1/4	130,847	1/4	146,404
1/2	7,006	1/2	22,622	1/2	38,191	1/2	53,379	1/2	68,951	1/2	84,526	1/2	100,072	1/2	115,609	1/2	131,171	1/2	146,727
3/4	7,332	3/4	22,947	3/4	38,508	3/4	53,702	3/4	69,275	3/4	84,850	3/4	100,396	3/4	115,933	3/4	131,495	3/4	147,051
6	7,657	6	23,272	6	38,825	6	54,026	6	69,600	6	85,175	6	100,719	6	116,257	6	131,820	6	147,374
1/4	7,982	1/4	23,597	1/4	39,140	1/4	54,350	1/4	69,924	1/4	85,499	1/4	101,043	1/4	116,582	1/4	132,144	1/4	147,697
1/2	8,308	1/2	23,923	1/2	39,456	1/2	54,675	1/2	70,249	1/2	85,824	1/2	101,366	1/2	116,906	1/2	132,468	1/2	148,020
3/4	8,633	3/4	24,248	3/4	39,772	3/4	54,999	3/4	70,573	3/4	86,148	3/4	101,689	3/4	117,230	3/4	132,792	3/4	148,344
7	8,958	7	24,573	7	40,088	7	55,324	7	70,898	7	86,473	7	102,013	7	117,554	7	133,116	7	148,667
1/4	9,284	1/4	24,899	1/4	40,404	1/4	55,648	1/4	71,222	1/4	86,797	1/4	102,336	1/4	117,879	1/4	133,441	1/4	148,990
1/2	9,609	1/2	25,224	1/2	40,720	1/2	55,973	1/2	71,547	1/2	87,121	1/2	102,659	1/2	118,203	1/2	133,765	1/2	149,313
3/4	9,934	3/4	25,549	3/4	41,036	3/4	56,297	3/4	71,871	3/4	87,446	3/4	102,983	3/4	118,527	3/4	134,089	3/4	149,636
8	10,260	8	25,875	8	41,351	8	56,622	8	72,196	8	87,770	8	103,306	8	118,851	8	134,413	8	149,959
1/4	10,585	1/4	26,200	1/4	41,667	1/4	56,946	1/4	72,520	1/4	88,095	1/4	103,629	1/4	119,175	1/4	134,737	1/4	150,282
1/2	10,910	1/2	26,525	1/2	41,983	1/2	57,271	1/2	72,845	1/2	88,419	1/2	103,953	1/2	119,500	1/2	135,061	1/2	150,604
3/4	11,236	3/4	26,851	3/4	42,299	3/4	57,595	3/4	73,169	3/4	88,744	3/4	104,276	3/4	119,824	3/4	135,386	3/4	150,927
9	11,561	9	27,176	9	42,615	9	57,920	9	73,493	9	89,068	9	104,600	9	120,148	9	135,710	9	151,250
1/4	11,886	1/4	27,501	1/4	42,931	1/4	58,244	1/4	73,818	1/4	89,393	1/4	104,923	1/4	120,472	1/4	136,034	1/4	151,571
1/2	12,211	1/2	27,827	1/2	43,247	1/2	58,569	1/2	74,142	1/2	89,717	1/2	105,246	1/2	120,796	1/2	136,358	1/2	151,893
3/4	12,537	3/4	28,152	3/4	43,563	3/4	58,893	3/4	74,467	3/4	90,042	3/4	105,569	3/4	121,121	3/4	136,682	3/4	152,214
10	12,862	10	28,477	10	43,878	10	59,218	10	74,791	10	90,366	10	105,892	10	121,445	10	137,007	10	152,536
1/4	13,187	1/4	28,802	1/4	44,194	1/4	59,542	1/4	75,116	1/4	90,691	1/4	106,215	1/4	121,769	1/4	137,331	1/4	152,848
1/2	13,513	1/2	29,126	1/2	44,510	1/2	59,867	1/2	75,440	1/2	91,015	1/2	106,538	1/2	122,093	1/2	137,655	1/2	153,160
3/4	13,838	3/4	29,450	3/4	44,826	3/4	60,191	3/4	75,765	3/4	91,340	3/4	106,861	3/4	122,417	3/4	137,979	3/4	153,472
11	14,163	11	29,775	11	45,142	11	60,516	11	76,089	11	91,664	11	107,184	11	122,742	11	138,303	11	153,784
1/4	14,489	1/4	30,099	1/4	45,458	1/4	60,840	1/4	76,414	1/4	91,988	1/4	107,508	1/4	123,066	1/4	138,627	1/4	154,084
1/2	14,814	1/2	30,424	1/2	45,774	1/2	61,164	1/2	76,738	1/2	92,311	1/2	107,832	1/2	123,390	1/2	138,952	1/2	154,384
3/4	15,139	3/4	30,748	3/4	46,090	3/4	61,489	3/4	77,063	3/4	92,635	3/4	108,156	3/4	123,714	3/4	139,276	3/4	154,684

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 11'-00" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 312"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-03 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	154,984	0	167,287	0	179,226	0	191,153	0	203,013	0		0		0		0		0	
1/4	155,271	1/4	167,537	1/4	179,474	1/4	191,401	1/4	203,252	1/4		1/4		1/4		1/4		1/4	
1/2	155,558	1/2	167,786	1/2	179,723	1/2	191,650	1/2	203,491	1/2		1/2		1/2		1/2		1/2	
3/4	155,846	3/4	168,036	3/4	179,971	3/4	191,898	3/4	203,731	3/4		3/4		3/4		3/4		3/4	
1	156,133	1	168,286	1	180,220	1	192,147	1	203,970	1		1		1		1		1	
1/4	156,408	1/4	168,536	1/4	180,468	1/4	192,395	1/4	204,178	1/4		1/4		1/4		1/4		1/4	
1/2	156,682	1/2	168,786	1/2	180,717	1/2	192,644	1/2	204,387	1/2		1/2		1/2		1/2		1/2	
3/4	156,957	3/4	169,036	3/4	180,965	3/4	192,892	3/4	204,595	3/4		3/4		3/4		3/4		3/4	
2	157,232	2	169,286	2	181,213	2	193,141	2	204,804	2		2		2		2		2	
1/4	157,494	1/4	169,534	1/4	181,462	1/4	193,389	1/4	204,972	1/4		1/4		1/4		1/4		1/4	
1/2	157,756	1/2	169,783	1/2	181,710	1/2	193,638	1/2	205,140	1/2		1/2		1/2		1/2		1/2	
3/4	158,018	3/4	170,032	3/4	181,959	3/4	193,886	3/4	205,307	3/4		3/4		3/4		3/4		3/4	
3	158,280	3	170,280	3	182,207	3	194,135	3	205,475	3		3		3		3		3	
1/4	158,533	1/4	170,529	1/4	182,456	1/4	194,383	1/4	205,601	1/4		1/4		1/4		1/4		1/4	
1/2	158,786	1/2	170,777	1/2	182,704	1/2	194,632	1/2	205,727	1/2		1/2		1/2		1/2		1/2	
3/4	159,038	3/4	171,026	3/4	182,953	3/4	194,880	3/4		3/4		3/4		3/4		3/4		3/4	
4	159,291	4	171,274	4	183,201	4	195,129	4		4		4		4		4		4	
1/4	159,541	1/4	171,523	1/4	183,450	1/4	195,377	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,791	1/2	171,771	1/2	183,698	1/2	195,626	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,041	3/4	172,020	3/4	183,947	3/4	195,874	3/4		3/4		3/4		3/4		3/4		3/4	
5	160,291	5	172,268	5	184,195	5	196,123	5		5		5		5		5		5	
1/4	160,541	1/4	172,517	1/4	184,444	1/4	196,371	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,791	1/2	172,765	1/2	184,692	1/2	196,620	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,040	3/4	173,014	3/4	184,941	3/4	196,868	3/4		3/4		3/4		3/4		3/4		3/4	
6	161,290	6	173,262	6	185,189	6	197,116	6		6		6		6		6		6	
1/4	161,540	1/4	173,510	1/4	185,438	1/4	197,365	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,790	1/2	173,759	1/2	185,686	1/2	197,613	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,040	3/4	174,007	3/4	185,935	3/4	197,862	3/4		3/4		3/4		3/4		3/4		3/4	
7	162,290	7	174,256	7	186,183	7	198,110	7		7		7		7		7		7	
1/4	162,540	1/4	174,504	1/4	186,432	1/4	198,357	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,789	1/2	174,753	1/2	186,680	1/2	198,603	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,039	3/4	175,001	3/4	186,929	3/4	198,849	3/4		3/4		3/4		3/4		3/4		3/4	
8	163,289	8	175,250	8	187,177	8	199,095	8		8		8		8		8		8	
1/4	163,539	1/4	175,498	1/4	187,426	1/4	199,341	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,789	1/2	175,747	1/2	187,674	1/2	199,586	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,039	3/4	175,995	3/4	187,923	3/4	199,832	3/4		3/4		3/4		3/4		3/4		3/4	
9	164,289	9	176,244	9	188,171	9	200,077	9		9		9		9		9		9	
1/4	164,538	1/4	176,492	1/4	188,420	1/4	200,323	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,788	1/2	176,741	1/2	188,668	1/2	200,568	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	165,038	3/4	176,989	3/4	188,917	3/4	200,813	3/4		3/4		3/4		3/4		3/4		3/4	
10	165,288	10	177,238	10	189,165	10	201,059	10		10		10		10		10		10	
1/4	165,538	1/4	177,486	1/4	189,413	1/4	201,303	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	165,788	1/2	177,735	1/2	189,662	1/2	201,548	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	166,037	3/4	177,983	3/4	189,910	3/4	201,793	3/4		3/4		3/4		3/4		3/4		3/4	
11	166,287	11	178,232	11	190,159	11	202,037	11		11		11		11		11		11	
1/4	166,537	1/4	178,480	1/4	190,407	1/4	202,281	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	166,787	1/2	178,729	1/2	190,656	1/2	202,525	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	167,037	3/4	178,977	3/4	190,904	3/4	202,769	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/06/2013 CL - SW
CALCULATED: 02/07/2013 CL
PRINTED: 02/07/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 312"

3 STBD

INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 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	610	0	15,467	0	31,077	0	46,220	0	61,497	0	77,074	0	92,647	0	108,171	0	123,732	0	139,296
1/4	804	1/4	15,792	1/4	31,401	1/4	46,529	1/4	61,822	1/4	77,398	1/4	92,970	1/4	108,495	1/4	124,056	1/4	139,620
1/2	997	1/2	16,118	1/2	31,726	1/2	46,838	1/2	62,146	1/2	77,723	1/2	93,294	1/2	108,819	1/2	124,381	1/2	139,944
3/4	1,190	3/4	16,443	3/4	32,050	3/4	47,147	3/4	62,471	3/4	78,047	3/4	93,617	3/4	109,143	3/4	124,705	3/4	140,269
1	1,383	1	16,768	1	32,374	1	47,456	1	62,795	1	78,372	1	93,941	1	109,467	1	125,029	1	140,593
1/4	1,658	1/4	17,094	1/4	32,699	1/4	47,765	1/4	63,120	1/4	78,696	1/4	94,264	1/4	109,791	1/4	125,353	1/4	140,917
1/2	1,932	1/2	17,419	1/2	33,023	1/2	48,075	1/2	63,445	1/2	79,021	1/2	94,587	1/2	110,115	1/2	125,678	1/2	141,241
3/4	2,207	3/4	17,745	3/4	33,347	3/4	48,384	3/4	63,769	3/4	79,345	3/4	94,911	3/4	110,439	3/4	126,002	3/4	141,566
2	2,481	2	18,070	2	33,672	2	48,693	2	64,094	2	79,670	2	95,234	2	110,763	2	126,326	2	141,890
1/4	2,800	1/4	18,395	1/4	33,996	1/4	49,003	1/4	64,418	1/4	79,994	1/4	95,558	1/4	111,087	1/4	126,650	1/4	142,214
1/2	3,119	1/2	18,721	1/2	34,320	1/2	49,314	1/2	64,743	1/2	80,319	1/2	95,881	1/2	111,411	1/2	126,975	1/2	142,538
3/4	3,438	3/4	19,046	3/4	34,645	3/4	49,624	3/4	65,067	3/4	80,643	3/4	96,205	3/4	111,735	3/4	127,299	3/4	142,863
3	3,757	3	19,371	3	34,969	3	49,934	3	65,392	3	80,968	3	96,528	3	112,059	3	127,623	3	143,187
1/4	4,081	1/4	19,697	1/4	35,294	1/4	50,244	1/4	65,716	1/4	81,292	1/4	96,851	1/4	112,383	1/4	127,947	1/4	143,511
1/2	4,406	1/2	20,022	1/2	35,618	1/2	50,555	1/2	66,040	1/2	81,617	1/2	97,175	1/2	112,707	1/2	128,272	1/2	143,835
3/4	4,731	3/4	20,347	3/4	35,942	3/4	50,865	3/4	66,365	3/4	81,941	3/4	97,498	3/4	113,032	3/4	128,596	3/4	144,159
4	5,056	4	20,673	4	36,267	4	51,176	4	66,689	4	82,266	4	97,822	4	113,356	4	128,920	4	144,484
1/4	5,381	1/4	20,998	1/4	36,590	1/4	51,486	1/4	67,014	1/4	82,590	1/4	98,145	1/4	113,680	1/4	129,245	1/4	144,807
1/2	5,706	1/2	21,324	1/2	36,914	1/2	51,797	1/2	67,338	1/2	82,915	1/2	98,469	1/2	114,004	1/2	129,569	1/2	145,131
3/4	6,032	3/4	21,649	3/4	37,238	3/4	52,107	3/4	67,662	3/4	83,240	3/4	98,792	3/4	114,329	3/4	129,893	3/4	145,454
5	6,357	5	21,974	5	37,561	5	52,418	5	67,987	5	83,564	5	99,115	5	114,653	5	130,217	5	145,778
1/4	6,682	1/4	22,300	1/4	37,872	1/4	52,740	1/4	68,311	1/4	83,889	1/4	99,439	1/4	114,977	1/4	130,542	1/4	146,101
1/2	7,008	1/2	22,625	1/2	38,182	1/2	53,063	1/2	68,636	1/2	84,213	1/2	99,762	1/2	115,301	1/2	130,866	1/2	146,424
3/4	7,333	3/4	22,950	3/4	38,493	3/4	53,386	3/4	68,960	3/4	84,538	3/4	100,086	3/4	115,626	3/4	131,190	3/4	146,748
6	7,658	6	23,276	6	38,803	6	53,709	6	69,285	6	84,862	6	100,409	6	115,950	6	131,514	6	147,071
1/4	7,984	1/4	23,601	1/4	39,112	1/4	54,033	1/4	69,609	1/4	85,187	1/4	100,733	1/4	116,274	1/4	131,839	1/4	147,394
1/2	8,309	1/2	23,926	1/2	39,421	1/2	54,358	1/2	69,934	1/2	85,511	1/2	101,056	1/2	116,598	1/2	132,163	1/2	147,718
3/4	8,634	3/4	24,252	3/4	39,730	3/4	54,682	3/4	70,258	3/4	85,836	3/4	101,379	3/4	116,923	3/4	132,487	3/4	148,041
7	8,960	7	24,577	7	40,039	7	55,007	7	70,583	7	86,160	7	101,703	7	117,247	7	132,811	7	148,364
1/4	9,285	1/4	24,903	1/4	40,348	1/4	55,331	1/4	70,907	1/4	86,485	1/4	102,026	1/4	117,571	1/4	133,136	1/4	148,687
1/2	9,610	1/2	25,228	1/2	40,657	1/2	55,656	1/2	71,232	1/2	86,809	1/2	102,350	1/2	117,895	1/2	133,460	1/2	149,010
3/4	9,936	3/4	25,553	3/4	40,966	3/4	55,980	3/4	71,557	3/4	87,134	3/4	102,673	3/4	118,220	3/4	133,784	3/4	149,333
8	10,261	8	25,879	8	41,275	8	56,305	8	71,881	8	87,458	8	102,996	8	118,544	8	134,108	8	149,657
1/4	10,587	1/4	26,204	1/4	41,584	1/4	56,629	1/4	72,206	1/4	87,783	1/4	103,320	1/4	118,868	1/4	134,433	1/4	149,979
1/2	10,912	1/2	26,529	1/2	41,893	1/2	56,954	1/2	72,530	1/2	88,107	1/2	103,643	1/2	119,192	1/2	134,757	1/2	150,302
3/4	11,237	3/4	26,855	3/4	42,202	3/4	57,278	3/4	72,855	3/4	88,432	3/4	103,967	3/4	119,517	3/4	135,081	3/4	150,625
9	11,563	9	27,180	9	42,511	9	57,603	9	73,179	9	88,756	9	104,290	9	119,841	9	135,405	9	150,948
1/4	11,888	1/4	27,506	1/4	42,820	1/4	57,928	1/4	73,504	1/4	89,081	1/4	104,613	1/4	120,165	1/4	135,729	1/4	151,269
1/2	12,213	1/2	27,831	1/2	43,129	1/2	58,252	1/2	73,828	1/2	89,406	1/2	104,936	1/2	120,489	1/2	136,054	1/2	151,591
3/4	12,539	3/4	28,156	3/4	43,438	3/4	58,577	3/4	74,153	3/4	89,730	3/4	105,260	3/4	120,814	3/4	136,378	3/4	151,912
10	12,864	10	28,482	10	43,747	10	58,901	10	74,477	10	90,055	10	105,583	10	121,138	10	136,702	10	152,234
1/4	13,189	1/4	28,806	1/4	44,056	1/4	59,226	1/4	74,802	1/4	90,379	1/4	105,906	1/4	121,462	1/4	137,026	1/4	152,546
1/2	13,515	1/2	29,131	1/2	44,365	1/2	59,550	1/2	75,126	1/2	90,704	1/2	106,229	1/2	121,787	1/2	137,351	1/2	152,858
3/4	13,840	3/4	29,455	3/4	44,674	3/4	59,875	3/4	75,451	3/4	91,028	3/4	106,552	3/4	122,111	3/4	137,675	3/4	153,170
11	14,166	11	29,780	11	44,983	11	60,199	11	75,775	11	91,353	11	106,875	11	122,435	11	137,999	11	153,482
1/4	14,491	1/4	30,104	1/4	45,292	1/4	60,524	1/4	76,100	1/4	91,676	1/4	107,199	1/4	122,759	1/4	138,323	1/4	153,782
1/2	14,816	1/2	30,428	1/2	45,602	1/2	60,848	1/2	76,424	1/2	92,000	1/2	107,523	1/2	123,084	1/2	138,648	1/2	154,082
3/4	15,142	3/4	30,753	3/4	45,911	3/4	61,173	3/4	76,749	3/4	92,323	3/4	107,847	3/4	123,408	3/4	138,972	3/4	154,382

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 11'-00" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "CBC 312"

3 STBD
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 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	154,682	0	166,987	0	178,928	0	190,857	0	202,718	0		0		0		0		0	
1/4	154,969	1/4	167,237	1/4	179,176	1/4	191,105	1/4	202,958	1/4		1/4		1/4		1/4		1/4	
1/2	155,257	1/2	167,487	1/2	179,425	1/2	191,354	1/2	203,197	1/2		1/2		1/2		1/2		1/2	
3/4	155,544	3/4	167,737	3/4	179,673	3/4	191,602	3/4	203,436	3/4		3/4		3/4		3/4		3/4	
1	155,831	1	167,987	1	179,922	1	191,851	1	203,676	1		1		1		1		1	
1/4	156,106	1/4	168,236	1/4	180,170	1/4	192,099	1/4	203,884	1/4		1/4		1/4		1/4		1/4	
1/2	156,381	1/2	168,486	1/2	180,419	1/2	192,348	1/2	204,093	1/2		1/2		1/2		1/2		1/2	
3/4	156,656	3/4	168,736	3/4	180,667	3/4	192,597	3/4	204,302	3/4		3/4		3/4		3/4		3/4	
2	156,931	2	168,986	2	180,916	2	192,845	2	204,510	2		2		2		2		2	
1/4	157,193	1/4	169,235	1/4	181,164	1/4	193,094	1/4	204,678	1/4		1/4		1/4		1/4		1/4	
1/2	157,455	1/2	169,484	1/2	181,413	1/2	193,342	1/2	204,846	1/2		1/2		1/2		1/2		1/2	
3/4	157,717	3/4	169,732	3/4	181,662	3/4	193,591	3/4	205,014	3/4		3/4		3/4		3/4		3/4	
3	157,979	3	169,981	3	181,910	3	193,839	3	205,181	3		3		3		3		3	
1/4	158,232	1/4	170,229	1/4	182,159	1/4	194,088	1/4	205,308	1/4		1/4		1/4		1/4		1/4	
1/2	158,485	1/2	170,478	1/2	182,407	1/2	194,336	1/2	205,434	1/2		1/2		1/2		1/2		1/2	
3/4	158,737	3/4	170,727	3/4	182,656	3/4	194,585	3/4		3/4		3/4		3/4		3/4		3/4	
4	158,990	4	170,975	4	182,904	4	194,833	4		4		4		4		4		4	
1/4	159,240	1/4	171,224	1/4	183,153	1/4	195,082	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,490	1/2	171,472	1/2	183,401	1/2	195,330	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,740	3/4	171,721	3/4	183,650	3/4	195,579	3/4		3/4		3/4		3/4		3/4		3/4	
5	159,990	5	171,969	5	183,898	5	195,827	5		5		5		5		5		5	
1/4	160,240	1/4	172,218	1/4	184,147	1/4	196,076	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,490	1/2	172,466	1/2	184,395	1/2	196,324	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,740	3/4	172,715	3/4	184,644	3/4	196,573	3/4		3/4		3/4		3/4		3/4		3/4	
6	160,990	6	172,963	6	184,892	6	196,821	6		6		6		6		6		6	
1/4	161,240	1/4	173,212	1/4	185,141	1/4	197,070	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,489	1/2	173,460	1/2	185,389	1/2	197,318	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,739	3/4	173,709	3/4	185,638	3/4	197,567	3/4		3/4		3/4		3/4		3/4		3/4	
7	161,989	7	173,957	7	185,886	7	197,816	7		7		7		7		7		7	
1/4	162,239	1/4	174,206	1/4	186,135	1/4	198,062	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,489	1/2	174,454	1/2	186,383	1/2	198,308	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,739	3/4	174,703	3/4	186,632	3/4	198,554	3/4		3/4		3/4		3/4		3/4		3/4	
8	162,989	8	174,951	8	186,881	8	198,800	8		8		8		8		8		8	
1/4	163,239	1/4	175,200	1/4	187,129	1/4	199,046	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,489	1/2	175,448	1/2	187,378	1/2	199,291	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,738	3/4	175,697	3/4	187,626	3/4	199,537	3/4		3/4		3/4		3/4		3/4		3/4	
9	163,988	9	175,945	9	187,875	9	199,783	9		9		9		9		9		9	
1/4	164,238	1/4	176,194	1/4	188,123	1/4	200,028	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,488	1/2	176,443	1/2	188,372	1/2	200,273	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,738	3/4	176,691	3/4	188,620	3/4	200,519	3/4		3/4		3/4		3/4		3/4		3/4	
10	164,988	10	176,940	10	188,869	10	200,764	10		10		10		10		10		10	
1/4	165,238	1/4	177,188	1/4	189,117	1/4	201,009	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	165,488	1/2	177,437	1/2	189,366	1/2	201,254	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	165,738	3/4	177,685	3/4	189,614	3/4	201,498	3/4		3/4		3/4		3/4		3/4		3/4	
11	165,987	11	177,934	11	189,863	11	201,743	11		11		11		11		11		11	
1/4	166,237	1/4	178,182	1/4	190,111	1/4	201,987	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	166,487	1/2	178,431	1/2	190,360	1/2	202,231	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	166,737	3/4	178,679	3/4	190,608	3/4	202,475	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/06/2013 CL - SW
CALCULATED: 02/07/2013 CL
PRINTED: 02/07/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

PRECISION MEASUREMENT
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BARGE "CBC 312"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 4'-05 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	0	0	100	0	257	0	412	0		0		0		0		0		0	
1/4	1	1/4	103	1/4	260	1/4	415	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	1	1/2	106	1/2	263	1/2	417	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	2	3/4	109	3/4	267	3/4	420	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	3	1	112	1	270	1	423	1		1		1		1		1		1	
1/4	4	1/4	115	1/4	273	1/4	426	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	5	1/2	119	1/2	277	1/2	429	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	6	3/4	122	3/4	280	3/4	431	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	7	2	125	2	284	2	434	2		2		2		2		2		2	
1/4	9	1/4	128	1/4	287	1/4	437	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	10	1/2	131	1/2	290	1/2	440	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	12	3/4	134	3/4	294	3/4	442	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	13	3	137	3	297	3	445	3		3		3		3		3		3	
1/4	15	1/4	140	1/4	300	1/4	447	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	17	1/2	144	1/2	304	1/2	450	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	19	3/4	147	3/4	307	3/4	452	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	20	4	150	4	311	4	455	4		4		4		4		4		4	
1/4	22	1/4	153	1/4	314	1/4	457	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	24	1/2	156	1/2	317	1/2	460	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	26	3/4	160	3/4	320	3/4	462	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	28	5	163	5	324	5	465	5		5		5		5		5		5	
1/4	31	1/4	166	1/4	327	1/4	467	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	33	1/2	169	1/2	330	1/2	469	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	35	3/4	173	3/4	334	3/4	471	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	37	6	176	6	337	6	474	6		6		6		6		6		6	
1/4	39	1/4	179	1/4	340	1/4	476	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	42	1/2	183	1/2	343	1/2	478	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	44	3/4	186	3/4	347	3/4	480	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	46	7	189	7	350	7	482	7		7		7		7		7		7	
1/4	49	1/4	192	1/4	353	1/4	484	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	51	1/2	196	1/2	356	1/2	486	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	54	3/4	199	3/4	360	3/4	488	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	56	8	202	8	363	8	489	8		8		8		8		8		8	
1/4	59	1/4	206	1/4	366	1/4	491	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	62	1/2	209	1/2	369	1/2	493	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	64	3/4	213	3/4	372	3/4	494	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	67	9	216	9	375	9	496	9		9		9		9		9		9	
1/4	69	1/4	219	1/4	379	1/4	497	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	72	1/2	223	1/2	382	1/2	499	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	75	3/4	226	3/4	385	3/4	500	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	78	10	229	10	388	10	502	10		10		10		10		10		10	
1/4	80	1/4	233	1/4	391	1/4	502	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	83	1/2	236	1/2	394	1/2	502	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	86	3/4	240	3/4	397	3/4	502	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	89	11	243	11	400	11	502	11		11		11		11		11		11	
1/4	92	1/4	246	1/4	403	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	95	1/2	250	1/2	406	1/2		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	98	3/4	253	3/4	409	3/4		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.

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 8" DIAMETER HATCH.

STRAPPED: 02/07/2013 CL - SW
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PRINTED: 02/07/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

PRECISION MEASUREMENT
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BARGE "CBC 312"

ULLAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 238'-03"

February 7, 2013

PRECISION MEASUREMENT
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BARGE "CBC 312"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	206,120	0	190,503	0	174,886	0	159,195	0	143,490	0	127,784	0	112,076
1/4		1/4		1/4		1/4	205,795	1/4	190,178	1/4	174,560	1/4	158,868	1/4	143,163	1/4	127,457	1/4	111,748
1/2		1/2		1/2		1/2	219,999	1/2	205,469	1/2	189,852	1/2	174,235	1/2	158,540	1/2	142,836	1/2	127,130
3/4		3/4		3/4		3/4	219,834	3/4	205,144	3/4	189,527	3/4	173,910	3/4	158,213	3/4	142,508	3/4	126,802
1		1		1		1	219,669	1	204,819	1	189,202	1	173,584	1	157,886	1	142,181	1	126,475
1/4		1/4		1/4		1/4	219,449	1/4	204,493	1/4	188,876	1/4	173,259	1/4	157,559	1/4	141,854	1/4	126,148
1/2		1/2		1/2		1/2	219,229	1/2	204,168	1/2	188,551	1/2	172,933	1/2	157,232	1/2	141,527	1/2	125,821
3/4		3/4		3/4		3/4	219,010	3/4	203,843	3/4	188,225	3/4	172,608	3/4	156,904	3/4	141,200	3/4	125,493
2		2		2		2	218,790	2	203,517	2	187,900	2	172,282	2	156,577	2	140,872	2	125,166
1/4		1/4		1/4		1/4	218,517	1/4	203,192	1/4	187,575	1/4	171,955	1/4	156,250	1/4	140,545	1/4	124,839
1/2		1/2		1/2		1/2	218,244	1/2	202,867	1/2	187,249	1/2	171,628	1/2	155,923	1/2	140,218	1/2	124,512
3/4		3/4		3/4		3/4	217,971	3/4	202,541	3/4	186,924	3/4	171,300	3/4	155,596	3/4	139,891	3/4	124,184
3		3		3		3	217,697	3	202,216	3	186,599	3	170,973	3	155,268	3	139,564	3	123,857
1/4		1/4		1/4		1/4	217,384	1/4	201,891	1/4	186,273	1/4	170,646	1/4	154,941	1/4	139,237	1/4	123,530
1/2		1/2		1/2		1/2	217,071	1/2	201,565	1/2	185,948	1/2	170,319	1/2	154,614	1/2	138,909	1/2	123,202
3/4		3/4		3/4		3/4	216,757	3/4	201,240	3/4	185,623	3/4	169,992	3/4	154,287	3/4	138,582	3/4	122,875
4		4		4		4	216,444	4	200,914	4	185,297	4	169,665	4	153,960	4	138,255	4	122,548
1/4		1/4		1/4		1/4	216,125	1/4	200,589	1/4	184,972	1/4	169,337	1/4	153,633	1/4	137,928	1/4	122,221
1/2		1/2		1/2		1/2	215,805	1/2	200,264	1/2	184,647	1/2	169,010	1/2	153,305	1/2	137,601	1/2	121,893
3/4		3/4		3/4		3/4	215,486	3/4	199,938	3/4	184,321	3/4	168,683	3/4	152,978	3/4	137,273	3/4	121,566
5		5		5		5	215,167	5	199,613	5	183,996	5	168,356	5	152,651	5	136,946	5	121,239
1/4		1/4		1/4		1/4	214,846	1/4	199,288	1/4	183,670	1/4	168,029	1/4	152,324	1/4	136,619	1/4	120,912
1/2		1/2		1/2		1/2	214,526	1/2	198,962	1/2	183,345	1/2	167,701	1/2	151,997	1/2	136,292	1/2	120,584
3/4		3/4		3/4		3/4	214,205	3/4	198,637	3/4	183,020	3/4	167,374	3/4	151,669	3/4	135,965	3/4	120,257
6		6		6		6	213,885	6	198,312	6	182,694	6	167,047	6	151,342	6	135,638	6	119,930
1/4		1/4		1/4		1/4	213,564	1/4	197,986	1/4	182,369	1/4	166,720	1/4	151,015	1/4	135,310	1/4	119,603
1/2		1/2		1/2		1/2	213,243	1/2	197,661	1/2	182,044	1/2	166,393	1/2	150,688	1/2	134,983	1/2	119,275
3/4		3/4		3/4		3/4	212,921	3/4	197,336	3/4	181,718	3/4	166,066	3/4	150,361	3/4	134,656	3/4	118,948
7		7		7		7	212,600	7	197,010	7	181,393	7	165,738	7	150,034	7	134,329	7	118,621
1/4		1/4		1/4		1/4	212,279	1/4	196,685	1/4	181,068	1/4	165,411	1/4	149,706	1/4	134,002	1/4	118,294
1/2		1/2		1/2		1/2	211,957	1/2	196,359	1/2	180,742	1/2	165,084	1/2	149,379	1/2	133,674	1/2	117,966
3/4		3/4		3/4		3/4	211,635	3/4	196,034	3/4	180,417	3/4	164,757	3/4	149,052	3/4	133,347	3/4	117,639
8		8		8		8	211,314	8	195,709	8	180,092	8	164,430	8	148,725	8	133,020	8	117,312
1/4		1/4		1/4		1/4	210,991	1/4	195,383	1/4	179,766	1/4	164,102	1/4	148,398	1/4	132,693	1/4	116,985
1/2		1/2		1/2		1/2	210,669	1/2	195,058	1/2	179,441	1/2	163,775	1/2	148,070	1/2	132,366	1/2	116,657
3/4		3/4		3/4		3/4	210,347	3/4	194,733	3/4	179,115	3/4	163,448	3/4	147,743	3/4	132,038	3/4	116,330
9		9		9		9	210,024	9	194,407	9	178,790	9	163,121	9	147,416	9	131,711	9	116,003
1/4		1/4		1/4		1/4	209,699	1/4	194,082	1/4	178,465	1/4	162,794	1/4	147,089	1/4	131,384	1/4	115,675
1/2		1/2		1/2		1/2	209,374	1/2	193,757	1/2	178,139	1/2	162,467	1/2	146,762	1/2	131,057	1/2	115,348
3/4		3/4		3/4		3/4	209,048	3/4	193,431	3/4	177,814	3/4	162,139	3/4	146,435	3/4	130,729	3/4	115,021
10		10		10		10	208,723	10	193,106	10	177,489	10	161,812	10	146,107	10	130,402	10	114,694
1/4		1/4		1/4		1/4	208,398	1/4	192,781	1/4	177,163	1/4	161,485	1/4	145,780	1/4	130,075	1/4	114,366
1/2		1/2		1/2		1/2	208,072	1/2	192,455	1/2	176,838	1/2	161,158	1/2	145,453	1/2	129,748	1/2	114,039
3/4		3/4		3/4		3/4	207,747	3/4	192,130	3/4	176,513	3/4	160,831	3/4	145,126	3/4	129,420	3/4	113,712
11		11		11		11	207,422	11	191,804	11	176,187	11	160,503	11	144,799	11	129,093	11	113,385
1/4		1/4		1/4		1/4	207,096	1/4	191,479	1/4	175,862	1/4	160,176	1/4	144,471	1/4	128,766	1/4	113,057
1/2		1/2		1/2		1/2	206,771	1/2	191,154	1/2	175,537	1/2	159,849	1/2	144,144	1/2	128,439	1/2	112,730
3/4		3/4		3/4		3/4	206,446	3/4	190,828	3/4	175,211	3/4	159,522	3/4	143,817	3/4	128,111	3/4	112,403

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 11'-00" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 312"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04"

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	96,367	0	80,659	0	64,950	0	49,241	0	33,632	0	18,124	0	4,092	0		0		0	
1/4	96,040	1/4	80,331	1/4	64,623	1/4	48,914	1/4	33,307	1/4	17,813	1/4	3,822	1/4		1/4		1/4	
1/2	95,713	1/2	80,004	1/2	64,295	1/2	48,587	1/2	32,981	1/2	17,502	1/2	3,553	1/2		1/2		1/2	
3/4	95,385	3/4	79,677	3/4	63,968	3/4	48,260	3/4	32,656	3/4	17,191	3/4	3,283	3/4		3/4		3/4	
1	95,058	1	79,349	1	63,641	1	47,933	1	32,330	1	16,880	1	3,013	1		1		1	
1/4	94,731	1/4	79,022	1/4	63,314	1/4	47,606	1/4	32,003	1/4	16,572	1/4	2,753	1/4		1/4		1/4	
1/2	94,403	1/2	78,695	1/2	62,986	1/2	47,279	1/2	31,676	1/2	16,264	1/2	2,493	1/2		1/2		1/2	
3/4	94,076	3/4	78,368	3/4	62,659	3/4	46,952	3/4	31,349	3/4	15,957	3/4	2,232	3/4		3/4		3/4	
2	93,749	2	78,040	2	62,332	2	46,625	2	31,021	2	15,649	2	1,972	2		2		2	
1/4	93,422	1/4	77,713	1/4	62,005	1/4	46,299	1/4	30,694	1/4	15,345	1/4	1,760	1/4		1/4		1/4	
1/2	93,094	1/2	77,386	1/2	61,677	1/2	45,972	1/2	30,367	1/2	15,040	1/2	1,548	1/2		1/2		1/2	
3/4	92,767	3/4	77,059	3/4	61,350	3/4	45,645	3/4	30,040	3/4	14,736	3/4	1,335	3/4		3/4		3/4	
3	92,440	3	76,731	3	61,023	3	45,319	3	29,712	3	14,432	3	1,123	3		3		3	
1/4	92,113	1/4	76,404	1/4	60,696	1/4	44,994	1/4	29,385	1/4	14,131	1/4	988	1/4		1/4		1/4	
1/2	91,785	1/2	76,077	1/2	60,368	1/2	44,670	1/2	29,058	1/2	13,830	1/2	854	1/2		1/2		1/2	
3/4	91,458	3/4	75,750	3/4	60,041	3/4	44,345	3/4	28,731	3/4	13,529	3/4	719	3/4		3/4		3/4	
4	91,131	4	75,422	4	59,714	4	44,021	4	28,403	4	13,228	4	584	4		4		4	
1/4	90,804	1/4	75,095	1/4	59,387	1/4	43,696	1/4	28,076	1/4	12,931	1/4		1/4		1/4		1/4	
1/2	90,476	1/2	74,768	1/2	59,059	1/2	43,372	1/2	27,749	1/2	12,634	1/2		1/2		1/2		1/2	
3/4	90,149	3/4	74,441	3/4	58,732	3/4	43,047	3/4	27,422	3/4	12,336	3/4		3/4		3/4		3/4	
5	89,822	5	74,113	5	58,405	5	42,722	5	27,094	5	12,039	5		5		5		5	
1/4	89,495	1/4	73,786	1/4	58,078	1/4	42,398	1/4	26,767	1/4	11,745	1/4		1/4		1/4		1/4	
1/2	89,167	1/2	73,459	1/2	57,750	1/2	42,073	1/2	26,440	1/2	11,451	1/2		1/2		1/2		1/2	
3/4	88,840	3/4	73,132	3/4	57,423	3/4	41,749	3/4	26,113	3/4	11,156	3/4		3/4		3/4		3/4	
6	88,513	6	72,804	6	57,096	6	41,424	6	25,785	6	10,862	6		6		6		6	
1/4	88,186	1/4	72,477	1/4	56,768	1/4	41,100	1/4	25,459	1/4	10,572	1/4		1/4		1/4		1/4	
1/2	87,858	1/2	72,150	1/2	56,441	1/2	40,775	1/2	25,133	1/2	10,281	1/2		1/2		1/2		1/2	
3/4	87,531	3/4	71,822	3/4	56,114	3/4	40,451	3/4	24,807	3/4	9,991	3/4		3/4		3/4		3/4	
7	87,204	7	71,495	7	55,787	7	40,126	7	24,481	7	9,700	7		7		7		7	
1/4	86,876	1/4	71,168	1/4	55,459	1/4	39,802	1/4	24,162	1/4	9,413	1/4		1/4		1/4		1/4	
1/2	86,549	1/2	70,841	1/2	55,132	1/2	39,477	1/2	23,844	1/2	9,125	1/2		1/2		1/2		1/2	
3/4	86,222	3/4	70,513	3/4	54,805	3/4	39,153	3/4	23,525	3/4	8,838	3/4		3/4		3/4		3/4	
8	85,895	8	70,186	8	54,478	8	38,828	8	23,207	8	8,551	8		8		8		8	
1/4	85,567	1/4	69,859	1/4	54,150	1/4	38,504	1/4	22,890	1/4	8,267	1/4		1/4		1/4		1/4	
1/2	85,240	1/2	69,532	1/2	53,823	1/2	38,179	1/2	22,573	1/2	7,983	1/2		1/2		1/2		1/2	
3/4	84,913	3/4	69,204	3/4	53,496	3/4	37,855	3/4	22,256	3/4	7,699	3/4		3/4		3/4		3/4	
9	84,586	9	68,877	9	53,169	9	37,530	9	21,939	9	7,416	9		9		9		9	
1/4	84,258	1/4	68,550	1/4	52,841	1/4	37,205	1/4	21,617	1/4	7,135	1/4		1/4		1/4		1/4	
1/2	83,931	1/2	68,223	1/2	52,514	1/2	36,881	1/2	21,296	1/2	6,855	1/2		1/2		1/2		1/2	
3/4	83,604	3/4	67,895	3/4	52,187	3/4	36,556	3/4	20,975	3/4	6,574	3/4		3/4		3/4		3/4	
10	83,277	10	67,568	10	51,860	10	36,232	10	20,653	10	6,294	10		10		10		10	
1/4	82,949	1/4	67,241	1/4	51,532	1/4	35,907	1/4	20,335	1/4	6,017	1/4		1/4		1/4		1/4	
1/2	82,622	1/2	66,914	1/2	51,205	1/2	35,583	1/2	20,018	1/2	5,740	1/2		1/2		1/2		1/2	
3/4	82,295	3/4	66,586	3/4	50,878	3/4	35,258	3/4	19,700	3/4	5,463	3/4		3/4		3/4		3/4	
11	81,968	11	66,259	11	50,551	11	34,933	11	19,382	11	5,186	11		11		11		11	
1/4	81,640	1/4	65,932	1/4	50,223	1/4	34,608	1/4	19,067	1/4	4,912	1/4		1/4		1/4		1/4	
1/2	81,313	1/2	65,605	1/2	49,896	1/2	34,283	1/2	18,753	1/2	4,639	1/2		1/2		1/2		1/2	
3/4	80,986	3/4	65,277	3/4	49,569	3/4	33,958	3/4	18,438	3/4	4,365	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/07/2013 CL - SW
CALCULATED: 02/07/2013 CL
PRINTED: 02/07/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "CBC 312"

1 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-03 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	219,817	0	205,132	0	189,521	0	173,909	0	158,218	0	142,519	0	126,819	0	111,116
1/4		1/4		1/4	219,652	1/4	204,807	1/4	189,196	1/4	173,584	1/4	157,891	1/4	142,192	1/4	126,491	1/4	110,788
1/2		1/2		1/2	219,432	1/2	204,482	1/2	188,870	1/2	173,258	1/2	157,564	1/2	141,865	1/2	126,164	1/2	110,461
3/4		3/4		3/4	219,212	3/4	204,157	3/4	188,545	3/4	172,933	3/4	157,237	3/4	141,538	3/4	125,837	3/4	110,134
1		1		1	218,993	1	203,831	1	188,220	1	172,608	1	156,910	1	141,211	1	125,510	1	109,807
1/4		1/4		1/4	218,773	1/4	203,506	1/4	187,895	1/4	172,282	1/4	156,583	1/4	140,884	1/4	125,183	1/4	109,480
1/2		1/2		1/2	218,500	1/2	203,181	1/2	187,569	1/2	171,955	1/2	156,256	1/2	140,557	1/2	124,856	1/2	109,153
3/4		3/4		3/4	218,227	3/4	202,856	3/4	187,244	3/4	171,628	3/4	155,929	3/4	140,230	3/4	124,529	3/4	108,826
2		2		2	217,954	2	202,530	2	186,919	2	171,301	2	155,602	2	139,902	2	124,201	2	108,498
1/4		1/4		1/4	217,681	1/4	202,205	1/4	186,594	1/4	170,974	1/4	155,275	1/4	139,575	1/4	123,874	1/4	108,171
1/2		1/2		1/2	217,368	1/2	201,880	1/2	186,268	1/2	170,647	1/2	154,948	1/2	139,248	1/2	123,547	1/2	107,844
3/4		3/4		3/4	217,055	3/4	201,555	3/4	185,943	3/4	170,320	3/4	154,620	3/4	138,921	3/4	123,220	3/4	107,517
3		3		3	216,741	3	201,230	3	185,618	3	169,993	3	154,293	3	138,594	3	122,893	3	107,190
1/4		1/4		1/4	216,428	1/4	200,904	1/4	185,293	1/4	169,666	1/4	153,966	1/4	138,267	1/4	122,566	1/4	106,863
1/2		1/2		1/2	216,109	1/2	200,579	1/2	184,967	1/2	169,338	1/2	153,639	1/2	137,940	1/2	122,239	1/2	106,536
3/4		3/4		3/4	215,790	3/4	200,254	3/4	184,642	3/4	169,011	3/4	153,312	3/4	137,613	3/4	121,911	3/4	106,208
4		4		4	215,471	4	199,929	4	184,317	4	168,684	4	152,985	4	137,286	4	121,584	4	105,881
1/4		1/4		1/4	215,152	1/4	199,603	1/4	183,992	1/4	168,357	1/4	152,658	1/4	136,959	1/4	121,257	1/4	105,554
1/2		1/2		1/2	214,831	1/2	199,278	1/2	183,666	1/2	168,030	1/2	152,331	1/2	136,632	1/2	120,930	1/2	105,227
3/4		3/4		3/4	214,511	3/4	198,953	3/4	183,341	3/4	167,703	3/4	152,004	3/4	136,305	3/4	120,603	3/4	104,900
5		5		5	214,191	5	198,628	5	183,016	5	167,376	5	151,677	5	135,978	5	120,276	5	104,573
1/4		1/4		1/4	213,870	1/4	198,302	1/4	182,691	1/4	167,049	1/4	151,350	1/4	135,651	1/4	119,949	1/4	104,246
1/2		1/2		1/2	213,549	1/2	197,977	1/2	182,365	1/2	166,722	1/2	151,023	1/2	135,324	1/2	119,621	1/2	103,918
3/4		3/4		3/4	213,228	3/4	197,652	3/4	182,040	3/4	166,395	3/4	150,696	3/4	134,996	3/4	119,294	3/4	103,591
6		6		6	212,907	6	197,327	6	181,715	6	166,068	6	150,369	6	134,669	6	118,967	6	103,264
1/4		1/4		1/4	212,586	1/4	197,001	1/4	181,390	1/4	165,741	1/4	150,042	1/4	134,342	1/4	118,640	1/4	102,937
1/2		1/2		1/2	212,264	1/2	196,676	1/2	181,065	1/2	165,414	1/2	149,714	1/2	134,015	1/2	118,313	1/2	102,610
3/4		3/4		3/4	211,943	3/4	196,351	3/4	180,739	3/4	165,087	3/4	149,387	3/4	133,688	3/4	117,986	3/4	102,283
7		7		7	211,621	7	196,026	7	180,414	7	164,760	7	149,060	7	133,361	7	117,659	7	101,956
1/4		1/4		1/4	211,300	1/4	195,700	1/4	180,089	1/4	164,432	1/4	148,733	1/4	133,034	1/4	117,331	1/4	101,628
1/2		1/2		1/2	210,978	1/2	195,375	1/2	179,764	1/2	164,105	1/2	148,406	1/2	132,707	1/2	117,004	1/2	101,301
3/4		3/4		3/4	210,655	3/4	195,050	3/4	179,438	3/4	163,778	3/4	148,079	3/4	132,380	3/4	116,677	3/4	100,974
8		8		8	210,333	8	194,725	8	179,113	8	163,451	8	147,752	8	132,053	8	116,350	8	100,647
1/4		1/4		1/4	210,011	1/4	194,399	1/4	178,788	1/4	163,124	1/4	147,425	1/4	131,726	1/4	116,023	1/4	100,320
1/2		1/2		1/2	209,686	1/2	194,074	1/2	178,463	1/2	162,797	1/2	147,098	1/2	131,399	1/2	115,696	1/2	99,993
3/4		3/4		3/4	209,361	3/4	193,749	3/4	178,137	3/4	162,470	3/4	146,771	3/4	131,071	3/4	115,369	3/4	99,666
9		9		9	209,035	9	193,424	9	177,812	9	162,143	9	146,444	9	130,744	9	115,041	9	99,338
1/4		1/4		1/4	208,710	1/4	193,098	1/4	177,487	1/4	161,816	1/4	146,117	1/4	130,417	1/4	114,714	1/4	99,011
1/2		1/2		1/2	208,385	1/2	192,773	1/2	177,162	1/2	161,489	1/2	145,790	1/2	130,090	1/2	114,387	1/2	98,684
3/4		3/4		3/4	208,060	3/4	192,448	3/4	176,836	3/4	161,162	3/4	145,463	3/4	129,763	3/4	114,060	3/4	98,357
10		10		10	207,734	10	192,123	10	176,511	10	160,835	10	145,136	10	129,436	10	113,733	10	98,030
1/4		1/4		1/4	207,409	1/4	191,797	1/4	176,186	1/4	160,508	1/4	144,808	1/4	129,109	1/4	113,406	1/4	97,703
1/2		1/2		1/2	207,084	1/2	191,472	1/2	175,861	1/2	160,181	1/2	144,481	1/2	128,781	1/2	113,078	1/2	97,376
3/4		3/4		3/4	206,759	3/4	191,147	3/4	175,535	3/4	159,854	3/4	144,154	3/4	128,454	3/4	112,751	3/4	97,048
11		11		11	206,433	11	190,822	11	175,210	11	159,526	11	143,827	11	128,127	11	112,424	11	96,721
1/4		1/4		1/4	206,108	1/4	190,497	1/4	174,885	1/4	159,199	1/4	143,500	1/4	127,800	1/4	112,097	1/4	96,394
1/2		1/2		1/2	205,783	1/2	190,171	1/2	174,560	1/2	158,872	1/2	143,173	1/2	127,473	1/2	111,770	1/2	96,067
3/4		3/4		3/4	219,982	3/4	205,458	3/4	189,846	3/4	174,234	3/4	158,545	3/4	142,846	3/4	127,146	3/4	95,740

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 11'-00" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 312"

1 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-03 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	95,413	0	79,710	0	64,007	0	48,304	0	32,642	0	17,185	0	3,282	0		0		0	
1/4	95,086	1/4	79,383	1/4	63,680	1/4	47,977	1/4	32,315	1/4	16,874	1/4	3,013	1/4	1/4		1/4	1/4	
1/2	94,758	1/2	79,055	1/2	63,353	1/2	47,650	1/2	31,989	1/2	16,566	1/2	2,752	1/2	1/2		1/2	1/2	
3/4	94,431	3/4	78,728	3/4	63,025	3/4	47,323	3/4	31,662	3/4	16,259	3/4	2,492	3/4	3/4		3/4	3/4	
1	94,104	1	78,401	1	62,698	1	46,997	1	31,335	1	15,951	1	2,232	1		1		1	
1/4	93,777	1/4	78,074	1/4	62,371	1/4	46,670	1/4	31,009	1/4	15,643	1/4	1,972	1/4	1/4		1/4	1/4	
1/2	93,450	1/2	77,747	1/2	62,044	1/2	46,343	1/2	30,682	1/2	15,339	1/2	1,760	1/2	1/2		1/2	1/2	
3/4	93,123	3/4	77,420	3/4	61,717	3/4	46,016	3/4	30,355	3/4	15,035	3/4	1,547	3/4	3/4		3/4	3/4	
2	92,796	2	77,093	2	61,390	2	45,690	2	30,029	2	14,731	2	1,335	2		2		2	
1/4	92,468	1/4	76,765	1/4	61,062	1/4	45,363	1/4	29,702	1/4	14,427	1/4	1,123	1/4	1/4		1/4	1/4	
1/2	92,141	1/2	76,438	1/2	60,735	1/2	45,037	1/2	29,375	1/2	14,126	1/2	988	1/2	1/2		1/2	1/2	
3/4	91,814	3/4	76,111	3/4	60,408	3/4	44,710	3/4	29,048	3/4	13,825	3/4	854	3/4	3/4		3/4	3/4	
3	91,487	3	75,784	3	60,081	3	44,384	3	28,720	3	13,525	3	719	3		3		3	
1/4	91,160	1/4	75,457	1/4	59,754	1/4	44,057	1/4	28,393	1/4	13,224	1/4	584	1/4	1/4		1/4	1/4	
1/2	90,833	1/2	75,130	1/2	59,427	1/2	43,731	1/2	28,066	1/2	12,927	1/2		1/2	1/2		1/2	1/2	
3/4	90,506	3/4	74,803	3/4	59,100	3/4	43,405	3/4	27,739	3/4	12,629	3/4		3/4	3/4		3/4	3/4	
4	90,178	4	74,475	4	58,772	4	43,078	4	27,412	4	12,332	4		4		4		4	
1/4	89,851	1/4	74,148	1/4	58,445	1/4	42,752	1/4	27,085	1/4	12,034	1/4		1/4	1/4		1/4	1/4	
1/2	89,524	1/2	73,821	1/2	58,118	1/2	42,426	1/2	26,758	1/2	11,741	1/2		1/2	1/2		1/2	1/2	
3/4	89,197	3/4	73,494	3/4	57,791	3/4	42,100	3/4	26,431	3/4	11,447	3/4		3/4	3/4		3/4	3/4	
5	88,870	5	73,167	5	57,464	5	41,774	5	26,103	5	11,153	5		5		5		5	
1/4	88,543	1/4	72,840	1/4	57,137	1/4	41,448	1/4	25,776	1/4	10,859	1/4		1/4	1/4		1/4	1/4	
1/2	88,216	1/2	72,513	1/2	56,810	1/2	41,122	1/2	25,450	1/2	10,568	1/2		1/2	1/2		1/2	1/2	
3/4	87,888	3/4	72,185	3/4	56,482	3/4	40,796	3/4	25,124	3/4	10,278	3/4		3/4	3/4		3/4	3/4	
6	87,561	6	71,858	6	56,155	6	40,470	6	24,798	6	9,987	6		6		6		6	
1/4	87,234	1/4	71,531	1/4	55,828	1/4	40,144	1/4	24,472	1/4	9,697	1/4		1/4	1/4		1/4	1/4	
1/2	86,907	1/2	71,204	1/2	55,501	1/2	39,818	1/2	24,154	1/2	9,409	1/2		1/2	1/2		1/2	1/2	
3/4	86,580	3/4	70,877	3/4	55,174	3/4	39,492	3/4	23,835	3/4	9,122	3/4		3/4	3/4		3/4	3/4	
7	86,253	7	70,550	7	54,847	7	39,166	7	23,517	7	8,835	7		7		7		7	
1/4	85,925	1/4	70,223	1/4	54,520	1/4	38,840	1/4	23,199	1/4	8,548	1/4		1/4	1/4		1/4	1/4	
1/2	85,598	1/2	69,895	1/2	54,192	1/2	38,515	1/2	22,882	1/2	8,264	1/2		1/2	1/2		1/2	1/2	
3/4	85,271	3/4	69,568	3/4	53,865	3/4	38,189	3/4	22,565	3/4	7,981	3/4		3/4	3/4		3/4	3/4	
8	84,944	8	69,241	8	53,538	8	37,863	8	22,248	8	7,697	8		8		8		8	
1/4	84,617	1/4	68,914	1/4	53,211	1/4	37,537	1/4	21,931	1/4	7,413	1/4		1/4	1/4		1/4	1/4	
1/2	84,290	1/2	68,587	1/2	52,884	1/2	37,211	1/2	21,610	1/2	7,133	1/2		1/2	1/2		1/2	1/2	
3/4	83,963	3/4	68,260	3/4	52,557	3/4	36,885	3/4	21,288	3/4	6,853	3/4		3/4	3/4		3/4	3/4	
9	83,635	9	67,933	9	52,230	9	36,559	9	20,967	9	6,572	9		9		9		9	
1/4	83,308	1/4	67,605	1/4	51,902	1/4	36,233	1/4	20,646	1/4	6,292	1/4		1/4	1/4		1/4	1/4	
1/2	82,981	1/2	67,278	1/2	51,575	1/2	35,907	1/2	20,328	1/2	6,015	1/2		1/2	1/2		1/2	1/2	
3/4	82,654	3/4	66,951	3/4	51,248	3/4	35,581	3/4	20,011	3/4	5,738	3/4		3/4	3/4		3/4	3/4	
10	82,327	10	66,624	10	50,921	10	35,255	10	19,693	10	5,461	10		10		10		10	
1/4	82,000	1/4	66,297	1/4	50,594	1/4	34,929	1/4	19,375	1/4	5,184	1/4		1/4	1/4		1/4	1/4	
1/2	81,673	1/2	65,970	1/2	50,267	1/2	34,602	1/2	19,061	1/2	4,911	1/2		1/2	1/2		1/2	1/2	
3/4	81,345	3/4	65,643	3/4	49,940	3/4	34,275	3/4	18,746	3/4	4,637	3/4		3/4	3/4		3/4	3/4	
11	81,018	11	65,315	11	49,612	11	33,949	11	18,432	11	4,364	11		11		11		11	
1/4	80,691	1/4	64,988	1/4	49,285	1/4	33,622	1/4	18,118	1/4	4,091	1/4		1/4	1/4		1/4	1/4	
1/2	80,364	1/2	64,661	1/2	48,958	1/2	33,295	1/2	17,807	1/2	3,821	1/2		1/2	1/2		1/2	1/2	
3/4	80,037	3/4	64,334	3/4	48,631	3/4	32,969	3/4	17,496	3/4	3,552	3/4		3/4	3/4		3/4	3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/07/2013 CL - SW
CALCULATED: 02/07/2013 CL
PRINTED: 02/07/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "CBC 312"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-03 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	201,116	0	186,054	0	170,992	0	155,855	0	140,705	0	125,555	0	110,402
1/4		1/4		1/4	214,811	1/4	200,802	1/4	185,740	1/4	170,679	1/4	155,539	1/4	140,390	1/4	125,239	1/4	110,086
1/2		1/2		1/2	214,652	1/2	200,488	1/2	185,427	1/2	170,365	1/2	155,224	1/2	140,074	1/2	124,923	1/2	109,770
3/4		3/4		3/4	214,493	3/4	200,175	3/4	185,113	3/4	170,051	3/4	154,908	3/4	139,758	3/4	124,608	3/4	109,455
1		1		1	214,281	1	199,861	1	184,799	1	169,737	1	154,592	1	139,443	1	124,292	1	109,139
1/4		1/4		1/4	214,069	1/4	199,547	1/4	184,485	1/4	169,423	1/4	154,277	1/4	139,127	1/4	123,976	1/4	108,823
1/2		1/2		1/2	213,857	1/2	199,233	1/2	184,171	1/2	169,109	1/2	153,961	1/2	138,812	1/2	123,661	1/2	108,508
3/4		3/4		3/4	213,646	3/4	198,920	3/4	183,858	3/4	168,795	3/4	153,645	3/4	138,496	3/4	123,345	3/4	108,192
2		2		2	213,382	2	198,606	2	183,544	2	168,479	2	153,330	2	138,180	2	123,029	2	107,876
1/4		1/4		1/4	213,119	1/4	198,292	1/4	183,230	1/4	168,164	1/4	153,014	1/4	137,865	1/4	122,714	1/4	107,560
1/2		1/2		1/2	212,856	1/2	197,978	1/2	182,916	1/2	167,848	1/2	152,699	1/2	137,549	1/2	122,398	1/2	107,245
3/4		3/4		3/4	212,593	3/4	197,664	3/4	182,603	3/4	167,532	3/4	152,383	3/4	137,234	3/4	122,082	3/4	106,929
3		3		3	212,291	3	197,351	3	182,289	3	167,217	3	152,067	3	136,918	3	121,767	3	106,613
1/4		1/4		1/4	211,988	1/4	197,037	1/4	181,975	1/4	166,901	1/4	151,752	1/4	136,602	1/4	121,451	1/4	106,298
1/2		1/2		1/2	211,686	1/2	196,723	1/2	181,661	1/2	166,586	1/2	151,436	1/2	136,287	1/2	121,135	1/2	105,982
3/4		3/4		3/4	211,384	3/4	196,409	3/4	181,347	3/4	166,270	3/4	151,121	3/4	135,971	3/4	120,819	3/4	105,666
4		4		4	211,076	4	196,095	4	181,034	4	165,954	4	150,805	4	135,656	4	120,504	4	105,351
1/4		1/4		1/4	210,769	1/4	195,782	1/4	180,720	1/4	165,639	1/4	150,489	1/4	135,340	1/4	120,188	1/4	105,035
1/2		1/2		1/2	210,461	1/2	195,468	1/2	180,406	1/2	165,323	1/2	150,174	1/2	135,024	1/2	119,872	1/2	104,719
3/4		3/4		3/4	210,153	3/4	195,154	3/4	180,092	3/4	165,008	3/4	149,858	3/4	134,709	3/4	119,557	3/4	104,404
5		5		5	209,844	5	194,840	5	179,778	5	164,692	5	149,542	5	134,393	5	119,241	5	104,088
1/4		1/4		1/4	209,535	1/4	194,527	1/4	179,465	1/4	164,376	1/4	149,227	1/4	134,077	1/4	118,925	1/4	103,772
1/2		1/2		1/2	209,226	1/2	194,213	1/2	179,151	1/2	164,061	1/2	148,911	1/2	133,762	1/2	118,610	1/2	103,456
3/4		3/4		3/4	208,917	3/4	193,899	3/4	178,837	3/4	163,745	3/4	148,596	3/4	133,446	3/4	118,294	3/4	103,141
6		6		6	208,608	6	193,585	6	178,523	6	163,429	6	148,280	6	133,131	6	117,978	6	102,825
1/4		1/4		1/4	208,298	1/4	193,271	1/4	178,209	1/4	163,114	1/4	147,964	1/4	132,815	1/4	117,663	1/4	102,509
1/2		1/2		1/2	207,988	1/2	192,958	1/2	177,896	1/2	162,798	1/2	147,649	1/2	132,499	1/2	117,347	1/2	102,194
3/4		3/4		3/4	207,679	3/4	192,644	3/4	177,582	3/4	162,483	3/4	147,333	3/4	132,184	3/4	117,031	3/4	101,878
7		7		7	207,368	7	192,330	7	177,268	7	162,167	7	147,018	7	131,868	7	116,715	7	101,562
1/4		1/4		1/4	207,058	1/4	192,016	1/4	176,954	1/4	161,851	1/4	146,702	1/4	131,553	1/4	116,400	1/4	101,247
1/2		1/2		1/2	206,748	1/2	191,702	1/2	176,641	1/2	161,536	1/2	146,386	1/2	131,237	1/2	116,084	1/2	100,931
3/4		3/4		3/4	206,438	3/4	191,389	3/4	176,327	3/4	161,220	3/4	146,071	3/4	130,921	3/4	115,768	3/4	100,615
8		8		8	206,127	8	191,075	8	176,013	8	160,905	8	145,755	8	130,606	8	115,453	8	100,300
1/4		1/4		1/4	205,817	1/4	190,761	1/4	175,699	1/4	160,589	1/4	145,440	1/4	130,290	1/4	115,137	1/4	99,984
1/2		1/2		1/2	205,506	1/2	190,447	1/2	175,385	1/2	160,273	1/2	145,124	1/2	129,974	1/2	114,821	1/2	99,668
3/4		3/4		3/4	205,195	3/4	190,133	3/4	175,072	3/4	159,958	3/4	144,808	3/4	129,659	3/4	114,506	3/4	99,352
9		9		9	204,882	9	189,820	9	174,758	9	159,642	9	144,493	9	129,343	9	114,190	9	99,037
1/4		1/4		1/4	204,568	1/4	189,506	1/4	174,444	1/4	159,326	1/4	144,177	1/4	129,027	1/4	113,874	1/4	98,721
1/2		1/2		1/2	204,254	1/2	189,192	1/2	174,130	1/2	159,011	1/2	143,861	1/2	128,712	1/2	113,559	1/2	98,405
3/4		3/4		3/4	203,940	3/4	188,878	3/4	173,816	3/4	158,695	3/4	143,546	3/4	128,396	3/4	113,243	3/4	98,090
10		10		10	203,626	10	188,565	10	173,503	10	158,380	10	143,230	10	128,080	10	112,927	10	97,774
1/4		1/4		1/4	203,313	1/4	188,251	1/4	173,189	1/4	158,064	1/4	142,915	1/4	127,765	1/4	112,611	1/4	97,458
1/2		1/2		1/2	202,999	1/2	187,937	1/2	172,875	1/2	157,748	1/2	142,599	1/2	127,449	1/2	112,296	1/2	97,143
3/4		3/4		3/4	202,685	3/4	187,623	3/4	172,561	3/4	157,433	3/4	142,283	3/4	127,133	3/4	111,980	3/4	96,827
11		11		11	202,371	11	187,309	11	172,247	11	157,117	11	141,968	11	126,818	11	111,664	11	96,511
1/4		1/4		1/4	202,057	1/4	186,996	1/4	171,934	1/4	156,802	1/4	141,652	1/4	126,502	1/4	111,349	1/4	96,196
1/2		1/2		1/2	201,744	1/2	186,682	1/2	171,620	1/2	156,486	1/2	141,337	1/2	126,186	1/2	111,033	1/2	95,880
3/4		3/4		3/4	201,430	3/4	186,368	3/4	171,306	3/4	156,170	3/4	141,021	3/4	125,871	3/4	110,717	3/4	95,564

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 11'-00" OFF CENTERLINE AND 44'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 312"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-03 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	95,248	0	80,095	0	64,942	0	49,790	0	34,895	0	19,743	0	4,591	0		0		0	
1/4	94,933	1/4	79,780	1/4	64,626	1/4	49,475	1/4	34,580	1/4	19,427	1/4	4,276	1/4	1/4	1/4		1/4	
1/2	94,617	1/2	79,464	1/2	64,311	1/2	49,160	1/2	34,264	1/2	19,111	1/2	3,961	1/2	1/2	1/2	1/2	1/2	
3/4	94,301	3/4	79,148	3/4	63,995	3/4	48,845	3/4	33,948	3/4	18,796	3/4	3,646	3/4	3/4	3/4	3/4	3/4	
1	93,986	1	78,833	1	63,679	1	48,536	1	33,633	1	18,480	1	3,336	1		1		1	
1/4	93,670	1/4	78,517	1/4	63,364	1/4	48,226	1/4	33,317	1/4	18,164	1/4	3,027	1/4	1/4	1/4	1/4	1/4	
1/2	93,354	1/2	78,201	1/2	63,048	1/2	47,917	1/2	33,001	1/2	17,849	1/2	2,717	1/2	1/2	1/2	1/2	1/2	
3/4	93,039	3/4	77,885	3/4	62,732	3/4	47,607	3/4	32,686	3/4	17,533	3/4	2,408	3/4	3/4	3/4	3/4	3/4	
2	92,723	2	77,570	2	62,417	2	47,298	2	32,370	2	17,217	2	2,142	2		2		2	
1/4	92,407	1/4	77,254	1/4	62,101	1/4	46,988	1/4	32,054	1/4	16,902	1/4	1,875	1/4	1/4	1/4	1/4	1/4	
1/2	92,092	1/2	76,938	1/2	61,785	1/2	46,679	1/2	31,739	1/2	16,586	1/2	1,609	1/2	1/2	1/2	1/2	1/2	
3/4	91,776	3/4	76,623	3/4	61,470	3/4	46,369	3/4	31,423	3/4	16,270	3/4	1,343	3/4	3/4	3/4	3/4	3/4	
3	91,460	3	76,307	3	61,154	3	46,060	3	31,107	3	15,954	3	1,155	3		3		3	
1/4	91,145	1/4	75,991	1/4	60,838	1/4	45,751	1/4	30,792	1/4	15,639	1/4	968	1/4	1/4	1/4	1/4	1/4	
1/2	90,829	1/2	75,676	1/2	60,522	1/2	45,442	1/2	30,476	1/2	15,323	1/2	780	1/2	1/2	1/2	1/2	1/2	
3/4	90,513	3/4	75,360	3/4	60,207	3/4	45,133	3/4	30,160	3/4	15,007	3/4	593	3/4	3/4	3/4	3/4	3/4	
4	90,197	4	75,044	4	59,891	4	44,824	4	29,844	4	14,692	4		4		4		4	
1/4	89,882	1/4	74,729	1/4	59,575	1/4	44,515	1/4	29,529	1/4	14,376	1/4		1/4	1/4	1/4	1/4	1/4	
1/2	89,566	1/2	74,413	1/2	59,260	1/2	44,205	1/2	29,213	1/2	14,060	1/2		1/2	1/2	1/2	1/2	1/2	
3/4	89,250	3/4	74,097	3/4	58,944	3/4	43,896	3/4	28,897	3/4	13,745	3/4		3/4	3/4	3/4	3/4	3/4	
5	88,935	5	73,781	5	58,628	5	43,587	5	28,582	5	13,429	5		5		5		5	
1/4	88,619	1/4	73,466	1/4	58,313	1/4	43,278	1/4	28,266	1/4	13,113	1/4		1/4	1/4	1/4	1/4	1/4	
1/2	88,303	1/2	73,150	1/2	57,997	1/2	42,969	1/2	27,950	1/2	12,798	1/2		1/2	1/2	1/2	1/2	1/2	
3/4	87,988	3/4	72,834	3/4	57,681	3/4	42,660	3/4	27,635	3/4	12,482	3/4		3/4	3/4	3/4	3/4	3/4	
6	87,672	6	72,519	6	57,366	6	42,351	6	27,319	6	12,166	6		6		6		6	
1/4	87,356	1/4	72,203	1/4	57,050	1/4	42,042	1/4	27,003	1/4	11,851	1/4		1/4	1/4	1/4	1/4	1/4	
1/2	87,041	1/2	71,887	1/2	56,734	1/2	41,732	1/2	26,688	1/2	11,535	1/2		1/2	1/2	1/2	1/2	1/2	
3/4	86,725	3/4	71,572	3/4	56,418	3/4	41,423	3/4	26,372	3/4	11,219	3/4		3/4	3/4	3/4	3/4	3/4	
7	86,409	7	71,256	7	56,103	7	41,114	7	26,056	7	10,904	7		7		7		7	
1/4	86,093	1/4	70,940	1/4	55,787	1/4	40,805	1/4	25,741	1/4	10,588	1/4		1/4	1/4	1/4	1/4	1/4	
1/2	85,778	1/2	70,625	1/2	55,471	1/2	40,496	1/2	25,425	1/2	10,272	1/2		1/2	1/2	1/2	1/2	1/2	
3/4	85,462	3/4	70,309	3/4	55,156	3/4	40,187	3/4	25,109	3/4	9,957	3/4		3/4	3/4	3/4	3/4	3/4	
8	85,146	8	69,993	8	54,840	8	39,878	8	24,794	8	9,641	8		8		8		8	
1/4	84,831	1/4	69,678	1/4	54,524	1/4	39,568	1/4	24,478	1/4	9,325	1/4		1/4	1/4	1/4	1/4	1/4	
1/2	84,515	1/2	69,362	1/2	54,209	1/2	39,259	1/2	24,162	1/2	9,009	1/2		1/2	1/2	1/2	1/2	1/2	
3/4	84,199	3/4	69,046	3/4	53,893	3/4	38,950	3/4	23,847	3/4	8,694	3/4		3/4	3/4	3/4	3/4	3/4	
9	83,884	9	68,730	9	53,577	9	38,641	9	23,531	9	8,378	9		9		9		9	
1/4	83,568	1/4	68,415	1/4	53,262	1/4	38,332	1/4	23,215	1/4	8,062	1/4		1/4	1/4	1/4	1/4	1/4	
1/2	83,252	1/2	68,099	1/2	52,946	1/2	38,023	1/2	22,899	1/2	7,747	1/2		1/2	1/2	1/2	1/2	1/2	
3/4	82,937	3/4	67,783	3/4	52,630	3/4	37,714	3/4	22,584	3/4	7,431	3/4		3/4	3/4	3/4	3/4	3/4	
10	82,621	10	67,468	10	52,315	10	37,404	10	22,268	10	7,115	10		10		10		10	
1/4	82,305	1/4	67,152	1/4	51,999	1/4	37,094	1/4	21,952	1/4	6,800	1/4		1/4	1/4	1/4	1/4	1/4	
1/2	81,989	1/2	66,836	1/2	51,683	1/2	36,784	1/2	21,637	1/2	6,484	1/2		1/2	1/2	1/2	1/2	1/2	
3/4	81,674	3/4	66,521	3/4	51,367	3/4	36,474	3/4	21,321	3/4	6,168	3/4		3/4	3/4	3/4	3/4	3/4	
11	81,358	11	66,205	11	51,052	11	36,158	11	21,005	11	5,853	11		11		11		11	
1/4	81,042	1/4	65,889	1/4	50,736	1/4	35,842	1/4	20,690	1/4	5,537	1/4		1/4	1/4	1/4	1/4	1/4	
1/2	80,727	1/2	65,574	1/2	50,420	1/2	35,527	1/2	20,374	1/2	5,222	1/2		1/2	1/2	1/2	1/2	1/2	
3/4	80,411	3/4	65,258	3/4	50,105	3/4	35,211	3/4	20,058	3/4	4,906	3/4		3/4	3/4	3/4	3/4	3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/07/2013 CL - SW
CALCULATED: 02/07/2013 CL
PRINTED: 02/07/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 312"

2 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	201,714	0	186,649	0	171,583	0	156,446	0	141,292	0	126,138	0	110,981
1/4		1/4		1/4		1/4	201,401	1/4	186,335	1/4	171,269	1/4	156,130	1/4	140,977	1/4	125,823	1/4	110,666
1/2		1/2		1/2		1/2	201,087	1/2	186,021	1/2	170,955	1/2	155,814	1/2	140,661	1/2	125,507	1/2	110,350
3/4		3/4		3/4		3/4	214,785	3/4	200,773	3/4	185,707	3/4	170,642	3/4	155,499	3/4	140,345	3/4	110,034
1		1		1		1	214,626	1	200,459	1	185,393	1	170,328	1	155,183	1	140,030	1	109,718
1/4		1/4		1/4		1/4	214,467	1/4	200,145	1/4	185,079	1/4	170,014	1/4	154,867	1/4	139,714	1/4	109,403
1/2		1/2		1/2		1/2	214,255	1/2	199,831	1/2	184,766	1/2	169,700	1/2	154,551	1/2	139,398	1/2	109,087
3/4		3/4		3/4		3/4	214,043	3/4	199,517	3/4	184,452	3/4	169,386	3/4	154,236	3/4	139,083	3/4	108,771
2		2		2		2	213,831	2	199,203	2	184,138	2	169,072	2	153,920	2	138,767	2	108,455
1/4		1/4		1/4		1/4	213,619	1/4	198,890	1/4	183,824	1/4	168,758	1/4	153,604	1/4	138,451	1/4	108,140
1/2		1/2		1/2		1/2	213,356	1/2	198,576	1/2	183,510	1/2	168,442	1/2	153,289	1/2	138,136	1/2	107,824
3/4		3/4		3/4		3/4	213,093	3/4	198,262	3/4	183,196	3/4	168,126	3/4	152,973	3/4	137,820	3/4	107,508
3		3		3		3	212,829	3	197,948	3	182,882	3	167,810	3	152,657	3	137,504	3	107,192
1/4		1/4		1/4		1/4	212,566	1/4	197,634	1/4	182,569	1/4	167,495	1/4	152,342	1/4	137,188	1/4	106,876
1/2		1/2		1/2		1/2	212,264	1/2	197,320	1/2	182,255	1/2	167,179	1/2	152,026	1/2	136,873	1/2	106,561
3/4		3/4		3/4		3/4	211,962	3/4	197,006	3/4	181,941	3/4	166,863	3/4	151,710	3/4	136,557	3/4	106,245
4		4		4		4	211,659	4	196,693	4	181,627	4	166,548	4	151,395	4	136,241	4	105,929
1/4		1/4		1/4		1/4	211,357	1/4	196,379	1/4	181,313	1/4	166,232	1/4	151,079	1/4	135,926	1/4	105,613
1/2		1/2		1/2		1/2	211,049	1/2	196,065	1/2	180,999	1/2	165,916	1/2	150,763	1/2	135,610	1/2	105,298
3/4		3/4		3/4		3/4	210,741	3/4	195,751	3/4	180,685	3/4	165,601	3/4	150,447	3/4	135,294	3/4	104,982
5		5		5		5	210,434	5	195,437	5	180,371	5	165,285	5	150,132	5	134,979	5	104,666
1/4		1/4		1/4		1/4	210,126	1/4	195,123	1/4	180,058	1/4	164,969	1/4	149,816	1/4	134,663	1/4	104,350
1/2		1/2		1/2		1/2	209,817	1/2	194,809	1/2	179,744	1/2	164,654	1/2	149,500	1/2	134,347	1/2	104,035
3/4		3/4		3/4		3/4	209,508	3/4	194,495	3/4	179,430	3/4	164,338	3/4	149,185	3/4	134,032	3/4	103,719
6		6		6		6	209,199	6	194,182	6	179,116	6	164,022	6	148,869	6	133,716	6	103,403
1/4		1/4		1/4		1/4	208,890	1/4	193,868	1/4	178,802	1/4	163,706	1/4	148,553	1/4	133,400	1/4	103,087
1/2		1/2		1/2		1/2	208,580	1/2	193,554	1/2	178,488	1/2	163,391	1/2	148,238	1/2	133,084	1/2	102,771
3/4		3/4		3/4		3/4	208,270	3/4	193,240	3/4	178,174	3/4	163,075	3/4	147,922	3/4	132,769	3/4	102,456
7		7		7		7	207,961	7	192,926	7	177,861	7	162,759	7	147,606	7	132,453	7	102,140
1/4		1/4		1/4		1/4	207,651	1/4	192,612	1/4	177,547	1/4	162,444	1/4	147,291	1/4	132,137	1/4	101,824
1/2		1/2		1/2		1/2	207,341	1/2	192,298	1/2	177,233	1/2	162,128	1/2	146,975	1/2	131,822	1/2	101,508
3/4		3/4		3/4		3/4	207,030	3/4	191,985	3/4	176,919	3/4	161,812	3/4	146,659	3/4	131,506	3/4	101,193
8		8		8		8	206,720	8	191,671	8	176,605	8	161,497	8	146,343	8	131,190	8	100,877
1/4		1/4		1/4		1/4	206,410	1/4	191,357	1/4	176,291	1/4	161,181	1/4	146,028	1/4	130,875	1/4	100,561
1/2		1/2		1/2		1/2	206,099	1/2	191,043	1/2	175,977	1/2	160,865	1/2	145,712	1/2	130,559	1/2	100,245
3/4		3/4		3/4		3/4	205,789	3/4	190,729	3/4	175,663	3/4	160,550	3/4	145,396	3/4	130,243	3/4	99,930
9		9		9		9	205,478	9	190,415	9	175,350	9	160,234	9	145,081	9	129,928	9	99,614
1/4		1/4		1/4		1/4	205,167	1/4	190,101	1/4	175,036	1/4	159,918	1/4	144,765	1/4	129,612	1/4	99,298
1/2		1/2		1/2		1/2	204,853	1/2	189,787	1/2	174,722	1/2	159,602	1/2	144,449	1/2	129,296	1/2	98,982
3/4		3/4		3/4		3/4	204,539	3/4	189,474	3/4	174,408	3/4	159,287	3/4	144,134	3/4	128,980	3/4	98,666
10		10		10		10	204,225	10	189,160	10	174,094	10	158,971	10	143,818	10	128,665	10	98,351
1/4		1/4		1/4		1/4	203,911	1/4	188,846	1/4	173,780	1/4	158,655	1/4	143,502	1/4	128,349	1/4	98,035
1/2		1/2		1/2		1/2	203,598	1/2	188,532	1/2	173,466	1/2	158,340	1/2	143,187	1/2	128,033	1/2	97,719
3/4		3/4		3/4		3/4	203,284	3/4	188,218	3/4	173,153	3/4	158,024	3/4	142,871	3/4	127,717	3/4	97,403
11		11		11		11	202,970	11	187,904	11	172,839	11	157,708	11	142,555	11	127,401	11	97,088
1/4		1/4		1/4		1/4	202,656	1/4	187,590	1/4	172,525	1/4	157,393	1/4	142,239	1/4	127,086	1/4	96,772
1/2		1/2		1/2		1/2	202,342	1/2	187,277	1/2	172,211	1/2	157,077	1/2	141,924	1/2	126,770	1/2	96,456
3/4		3/4		3/4		3/4	202,028	3/4	186,963	3/4	171,897	3/4	156,761	3/4	141,608	3/4	126,454	3/4	96,140

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 11'-00" OFF CENTERLINE AND 44'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 312"

2 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 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	95,825	0	80,668	0	65,511	0	50,354	0	35,502	0	20,379	0	5,223	0		0		0	
1/4	95,509	1/4	80,352	1/4	65,195	1/4	50,038	1/4	35,193	1/4	20,063	1/4	4,907	1/4	1/4		1/4	1/4	
1/2	95,193	1/2	80,036	1/2	64,879	1/2	49,723	1/2	34,884	1/2	19,747	1/2	4,592	1/2	1/2	1/2	1/2	1/2	1/2
3/4	94,877	3/4	79,720	3/4	64,563	3/4	49,407	3/4	34,575	3/4	19,432	3/4	4,277	3/4	3/4	3/4	3/4	3/4	3/4
1	94,561	1	79,405	1	64,248	1	49,092	1	34,266	1	19,116	1	3,962	1		1		1	
1/4	94,246	1/4	79,089	1/4	63,932	1/4	48,776	1/4	33,957	1/4	18,800	1/4	3,646	1/4	1/4	1/4	1/4	1/4	1/4
1/2	93,930	1/2	78,773	1/2	63,616	1/2	48,462	1/2	33,641	1/2	18,484	1/2	3,337	1/2	1/2	1/2	1/2	1/2	1/2
3/4	93,614	3/4	78,457	3/4	63,300	3/4	48,148	3/4	33,325	3/4	18,169	3/4	3,027	3/4	3/4	3/4	3/4	3/4	3/4
2	93,298	2	78,142	2	62,985	2	47,834	2	33,009	2	17,853	2	2,718	2		2		2	
1/4	92,983	1/4	77,826	1/4	62,669	1/4	47,521	1/4	32,694	1/4	17,537	1/4	2,408	1/4	1/4	1/4	1/4	1/4	1/4
1/2	92,667	1/2	77,510	1/2	62,353	1/2	47,207	1/2	32,378	1/2	17,221	1/2	2,142	1/2	1/2	1/2	1/2	1/2	1/2
3/4	92,351	3/4	77,194	3/4	62,037	3/4	46,894	3/4	32,062	3/4	16,906	3/4	1,876	3/4	3/4	3/4	3/4	3/4	3/4
3	92,035	3	76,878	3	61,722	3	46,581	3	31,746	3	16,590	3	1,609	3		3		3	
1/4	91,720	1/4	76,563	1/4	61,406	1/4	46,268	1/4	31,431	1/4	16,274	1/4	1,343	1/4	1/4	1/4	1/4	1/4	1/4
1/2	91,404	1/2	76,247	1/2	61,090	1/2	45,961	1/2	31,115	1/2	15,958	1/2	1,155	1/2	1/2	1/2	1/2	1/2	1/2
3/4	91,088	3/4	75,931	3/4	60,774	3/4	45,653	3/4	30,799	3/4	15,643	3/4	968	3/4	3/4	3/4	3/4	3/4	3/4
4	90,772	4	75,615	4	60,458	4	45,346	4	30,483	4	15,327	4	781	4		4		4	
1/4	90,457	1/4	75,300	1/4	60,143	1/4	45,038	1/4	30,168	1/4	15,011	1/4	593	1/4	1/4	1/4	1/4	1/4	1/4
1/2	90,141	1/2	74,984	1/2	59,827	1/2	44,730	1/2	29,852	1/2	14,695	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	89,825	3/4	74,668	3/4	59,511	3/4	44,423	3/4	29,536	3/4	14,380	3/4		3/4	3/4	3/4	3/4	3/4	3/4
5	89,509	5	74,352	5	59,195	5	44,115	5	29,220	5	14,064	5		5		5		5	
1/4	89,193	1/4	74,037	1/4	58,880	1/4	43,808	1/4	28,904	1/4	13,748	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	88,878	1/2	73,721	1/2	58,564	1/2	43,500	1/2	28,589	1/2	13,432	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	88,562	3/4	73,405	3/4	58,248	3/4	43,193	3/4	28,273	3/4	13,116	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	88,246	6	73,089	6	57,932	6	42,885	6	27,957	6	12,801	6		6		6		6	
1/4	87,930	1/4	72,773	1/4	57,617	1/4	42,578	1/4	27,641	1/4	12,485	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	87,615	1/2	72,458	1/2	57,301	1/2	42,270	1/2	27,326	1/2	12,169	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	87,299	3/4	72,142	3/4	56,985	3/4	41,963	3/4	27,010	3/4	11,853	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	86,983	7	71,826	7	56,669	7	41,655	7	26,694	7	11,538	7		7		7		7	
1/4	86,667	1/4	71,510	1/4	56,353	1/4	41,348	1/4	26,378	1/4	11,222	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	86,352	1/2	71,195	1/2	56,038	1/2	41,040	1/2	26,063	1/2	10,906	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	86,036	3/4	70,879	3/4	55,722	3/4	40,732	3/4	25,747	3/4	10,590	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	85,720	8	70,563	8	55,406	8	40,425	8	25,431	8	10,275	8		8		8		8	
1/4	85,404	1/4	70,247	1/4	55,090	1/4	40,117	1/4	25,115	1/4	9,959	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	85,088	1/2	69,932	1/2	54,775	1/2	39,810	1/2	24,800	1/2	9,643	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	84,773	3/4	69,616	3/4	54,459	3/4	39,502	3/4	24,484	3/4	9,327	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	84,457	9	69,300	9	54,143	9	39,195	9	24,168	9	9,012	9		9		9		9	
1/4	84,141	1/4	68,984	1/4	53,827	1/4	38,887	1/4	23,852	1/4	8,696	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	83,825	1/2	68,668	1/2	53,512	1/2	38,580	1/2	23,537	1/2	8,380	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	83,510	3/4	68,353	3/4	53,196	3/4	38,272	3/4	23,221	3/4	8,064	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	83,194	10	68,037	10	52,880	10	37,965	10	22,905	10	7,749	10		10		10		10	
1/4	82,878	1/4	67,721	1/4	52,564	1/4	37,657	1/4	22,589	1/4	7,433	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	82,562	1/2	67,405	1/2	52,248	1/2	37,349	1/2	22,274	1/2	7,117	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,247	3/4	67,090	3/4	51,933	3/4	37,042	3/4	21,958	3/4	6,801	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	81,931	11	66,774	11	51,617	11	36,734	11	21,642	11	6,486	11		11		11		11	
1/4	81,615	1/4	66,458	1/4	51,301	1/4	36,426	1/4	21,326	1/4	6,170	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	81,299	1/2	66,142	1/2	50,985	1/2	36,118	1/2	21,010	1/2	5,854	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	80,983	3/4	65,827	3/4	50,670	3/4	35,810	3/4	20,695	3/4	5,538	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/07/2013 CL - SW
CALCULATED: 02/07/2013 CL
PRINTED: 02/07/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 312"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-03 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		0		0	205,727	0	194,631	0	182,704	0	170,777	0	158,785	0	144,138	0	128,577	0	113,015
1/4		1/4		1/4	205,601	1/4	194,383	1/4	182,455	1/4	170,528	1/4	158,533	1/4	143,814	1/4	128,253	1/4	112,691
1/2		1/2		1/2	205,475	1/2	194,134	1/2	182,207	1/2	170,280	1/2	158,280	1/2	143,490	1/2	127,929	1/2	112,367
3/4		3/4		3/4	205,307	3/4	193,886	3/4	181,958	3/4	170,031	3/4	158,018	3/4	143,166	3/4	127,604	3/4	112,043
1		1		1	205,139	1	193,637	1	181,710	1	169,782	1	157,756	1	142,841	1	127,280	1	111,719
1/4		1/4		1/4	204,971	1/4	193,389	1/4	181,462	1/4	169,534	1/4	157,493	1/4	142,517	1/4	126,956	1/4	111,395
1/2		1/2		1/2	204,804	1/2	193,140	1/2	181,213	1/2	169,285	1/2	157,231	1/2	142,193	1/2	126,632	1/2	111,071
3/4		3/4		3/4	204,595	3/4	192,892	3/4	180,965	3/4	169,035	3/4	156,957	3/4	141,869	3/4	126,308	3/4	110,747
2		2		2	204,386	2	192,643	2	180,716	2	168,785	2	156,682	2	141,545	2	125,983	2	110,423
1/4		1/4		1/4	204,178	1/4	192,395	1/4	180,468	1/4	168,536	1/4	156,407	1/4	141,220	1/4	125,659	1/4	110,099
1/2		1/2		1/2	203,969	1/2	192,146	1/2	180,219	1/2	168,286	1/2	156,132	1/2	140,896	1/2	125,335	1/2	109,775
3/4		3/4		3/4	203,730	3/4	191,898	3/4	179,971	3/4	168,036	3/4	155,845	3/4	140,572	3/4	125,011	3/4	109,451
3		3		3	203,491	3	191,649	3	179,722	3	167,786	3	155,558	3	140,248	3	124,686	3	109,127
1/4		1/4		1/4	203,251	1/4	191,401	1/4	179,474	1/4	167,536	1/4	155,271	1/4	139,924	1/4	124,362	1/4	108,803
1/2		1/2		1/2	203,012	1/2	191,152	1/2	179,225	1/2	167,286	1/2	154,983	1/2	139,600	1/2	124,038	1/2	108,479
3/4		3/4		3/4	202,768	3/4	190,904	3/4	178,977	3/4	167,036	3/4	154,683	3/4	139,275	3/4	123,714	3/4	108,155
4		4		4	202,524	4	190,655	4	178,728	4	166,787	4	154,384	4	138,951	4	123,390	4	107,832
1/4		1/4		1/4	202,281	1/4	190,407	1/4	178,480	1/4	166,537	1/4	154,084	1/4	138,627	1/4	123,065	1/4	107,508
1/2		1/2		1/2	202,037	1/2	190,158	1/2	178,231	1/2	166,287	1/2	153,784	1/2	138,303	1/2	122,741	1/2	107,184
3/4		3/4		3/4	201,792	3/4	189,910	3/4	177,983	3/4	166,037	3/4	153,472	3/4	137,979	3/4	122,417	3/4	106,861
5		5		5	201,548	5	189,661	5	177,734	5	165,787	5	153,159	5	137,654	5	122,093	5	106,538
1/4		1/4		1/4	201,303	1/4	189,413	1/4	177,486	1/4	165,537	1/4	152,847	1/4	137,330	1/4	121,769	1/4	106,215
1/2		1/2		1/2	201,058	1/2	189,165	1/2	177,237	1/2	165,287	1/2	152,535	1/2	137,006	1/2	121,444	1/2	105,892
3/4		3/4		3/4	200,813	3/4	188,916	3/4	176,989	3/4	165,038	3/4	152,214	3/4	136,682	3/4	121,120	3/4	105,568
6		6		6	200,568	6	188,668	6	176,740	6	164,788	6	151,892	6	136,358	6	120,796	6	105,245
1/4		1/4		1/4	200,322	1/4	188,419	1/4	176,492	1/4	164,538	1/4	151,571	1/4	136,034	1/4	120,472	1/4	104,922
1/2		1/2		1/2	200,077	1/2	188,171	1/2	176,243	1/2	164,288	1/2	151,249	1/2	135,709	1/2	120,148	1/2	104,599
3/4		3/4		3/4	199,831	3/4	187,922	3/4	175,995	3/4	164,038	3/4	150,927	3/4	135,385	3/4	119,823	3/4	104,276
7		7		7	199,586	7	187,674	7	175,746	7	163,788	7	150,604	7	135,061	7	119,499	7	103,952
1/4		1/4		1/4	199,340	1/4	187,425	1/4	175,498	1/4	163,538	1/4	150,281	1/4	134,737	1/4	119,175	1/4	103,629
1/2		1/2		1/2	199,094	1/2	187,177	1/2	175,249	1/2	163,289	1/2	149,958	1/2	134,413	1/2	118,851	1/2	103,306
3/4		3/4		3/4	198,848	3/4	186,928	3/4	175,001	3/4	163,039	3/4	149,635	3/4	134,088	3/4	118,526	3/4	102,982
8		8		8	198,602	8	186,680	8	174,752	8	162,789	8	149,312	8	133,764	8	118,202	8	102,659
1/4		1/4		1/4	198,356	1/4	186,431	1/4	174,504	1/4	162,539	1/4	148,989	1/4	133,440	1/4	117,878	1/4	102,336
1/2		1/2		1/2	198,110	1/2	186,183	1/2	174,255	1/2	162,289	1/2	148,666	1/2	133,116	1/2	117,554	1/2	102,012
3/4		3/4		3/4	197,861	3/4	185,934	3/4	174,007	3/4	162,039	3/4	148,343	3/4	132,792	3/4	117,230	3/4	101,689
9		9		9	197,613	9	185,686	9	173,758	9	161,790	9	148,020	9	132,467	9	116,905	9	101,365
1/4		1/4		1/4	197,365	1/4	185,437	1/4	173,510	1/4	161,540	1/4	147,697	1/4	132,143	1/4	116,581	1/4	101,042
1/2		1/2		1/2	197,116	1/2	185,189	1/2	173,262	1/2	161,290	1/2	147,374	1/2	131,819	1/2	116,257	1/2	100,719
3/4		3/4		3/4	196,868	3/4	184,940	3/4	173,013	3/4	161,040	3/4	147,050	3/4	131,495	3/4	115,933	3/4	100,395
10		10		10	196,619	10	184,692	10	172,765	10	160,790	10	146,727	10	131,171	10	115,609	10	100,072
1/4		1/4		1/4	196,371	1/4	184,443	1/4	172,516	1/4	160,540	1/4	146,404	1/4	130,846	1/4	115,284	1/4	99,749
1/2		1/2		1/2	196,122	1/2	184,195	1/2	172,268	1/2	160,290	1/2	146,080	1/2	130,522	1/2	114,960	1/2	99,425
3/4		3/4		3/4	195,874	3/4	183,946	3/4	172,019	3/4	160,040	3/4	145,757	3/4	130,198	3/4	114,636	3/4	99,102
11		11		11	195,625	11	183,698	11	171,771	11	159,790	11	145,433	11	129,874	11	114,312	11	98,778
1/4		1/4		1/4	195,377	1/4	183,449	1/4	171,522	1/4	159,540	1/4	145,110	1/4	129,550	1/4	113,988	1/4	98,455
1/2		1/2		1/2	195,128	1/2	183,201	1/2	171,274	1/2	159,290	1/2	144,786	1/2	129,225	1/2	113,663	1/2	98,132
3/4		3/4		3/4	194,880	3/4	182,952	3/4	171,025	3/4	159,038	3/4	144,462	3/4	128,901	3/4	113,339	3/4	97,808

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 11'-00" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "CBC 312"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-03 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	97,485	0	81,929	0	66,355	0	50,832	0	35,612	0	20,019	0	4,405	0		0		0	
1/4	97,162	1/4	81,605	1/4	66,031	1/4	50,515	1/4	35,288	1/4	19,693	1/4	4,080	1/4	1/4	1/4		1/4	
1/2	96,838	1/2	81,280	1/2	65,707	1/2	50,199	1/2	34,963	1/2	19,368	1/2	3,756	1/2	1/2	1/2		1/2	
3/4	96,515	3/4	80,956	3/4	65,382	3/4	49,883	3/4	34,639	3/4	19,043	3/4	3,437	3/4	3/4	3/4		3/4	
1	96,191	1	80,631	1	65,058	1	49,566	1	34,315	1	18,717	1	3,118	1		1		1	
1/4	95,868	1/4	80,307	1/4	64,733	1/4	49,250	1/4	33,990	1/4	18,392	1/4	2,799	1/4	1/4	1/4		1/4	
1/2	95,545	1/2	79,983	1/2	64,409	1/2	48,934	1/2	33,666	1/2	18,067	1/2	2,480	1/2	1/2	1/2		1/2	
3/4	95,221	3/4	79,658	3/4	64,084	3/4	48,617	3/4	33,342	3/4	17,741	3/4	2,206	3/4	3/4	3/4		3/4	
2	94,898	2	79,334	2	63,760	2	48,301	2	33,017	2	17,416	2	1,931	2		2		2	
1/4	94,575	1/4	79,009	1/4	63,435	1/4	47,985	1/4	32,693	1/4	17,091	1/4	1,657	1/4	1/4	1/4		1/4	
1/2	94,251	1/2	78,685	1/2	63,111	1/2	47,669	1/2	32,369	1/2	16,765	1/2	1,382	1/2	1/2	1/2		1/2	
3/4	93,928	3/4	78,360	3/4	62,786	3/4	47,353	3/4	32,045	3/4	16,440	3/4	1,189	3/4	3/4	3/4		3/4	
3	93,604	3	78,036	3	62,462	3	47,037	3	31,720	3	16,115	3	996	3		3		3	
1/4	93,281	1/4	77,711	1/4	62,137	1/4	46,721	1/4	31,396	1/4	15,789	1/4	803	1/4	1/4	1/4		1/4	
1/2	92,958	1/2	77,387	1/2	61,813	1/2	46,405	1/2	31,072	1/2	15,464	1/2	610	1/2	1/2	1/2		1/2	
3/4	92,634	3/4	77,062	3/4	61,488	3/4	46,089	3/4	30,747	3/4	15,139	3/4		3/4	3/4	3/4		3/4	
4	92,311	4	76,738	4	61,164	4	45,773	4	30,423	4	14,814	4		4		4		4	
1/4	91,987	1/4	76,413	1/4	60,840	1/4	45,457	1/4	30,099	1/4	14,488	1/4		1/4	1/4	1/4		1/4	
1/2	91,664	1/2	76,089	1/2	60,515	1/2	45,142	1/2	29,774	1/2	14,163	1/2		1/2	1/2	1/2		1/2	
3/4	91,339	3/4	75,764	3/4	60,191	3/4	44,826	3/4	29,450	3/4	13,838	3/4		3/4	3/4	3/4		3/4	
5	91,015	5	75,440	5	59,866	5	44,510	5	29,126	5	13,512	5		5		5		5	
1/4	90,690	1/4	75,115	1/4	59,542	1/4	44,194	1/4	28,801	1/4	13,187	1/4		1/4	1/4	1/4		1/4	
1/2	90,366	1/2	74,791	1/2	59,217	1/2	43,878	1/2	28,477	1/2	12,862	1/2		1/2	1/2	1/2		1/2	
3/4	90,041	3/4	74,466	3/4	58,893	3/4	43,562	3/4	28,151	3/4	12,536	3/4		3/4	3/4	3/4		3/4	
6	89,717	6	74,142	6	58,568	6	43,246	6	27,826	6	12,211	6		6		6		6	
1/4	89,392	1/4	73,817	1/4	58,244	1/4	42,930	1/4	27,501	1/4	11,886	1/4		1/4	1/4	1/4		1/4	
1/2	89,068	1/2	73,493	1/2	57,919	1/2	42,614	1/2	27,175	1/2	11,560	1/2		1/2	1/2	1/2		1/2	
3/4	88,743	3/4	73,169	3/4	57,595	3/4	42,299	3/4	26,850	3/4	11,235	3/4		3/4	3/4	3/4		3/4	
7	88,419	7	72,844	7	57,270	7	41,983	7	26,525	7	10,910	7		7		7		7	
1/4	88,094	1/4	72,520	1/4	56,946	1/4	41,667	1/4	26,200	1/4	10,584	1/4		1/4	1/4	1/4		1/4	
1/2	87,770	1/2	72,195	1/2	56,621	1/2	41,351	1/2	25,874	1/2	10,259	1/2		1/2	1/2	1/2		1/2	
3/4	87,446	3/4	71,871	3/4	56,297	3/4	41,035	3/4	25,549	3/4	9,934	3/4		3/4	3/4	3/4		3/4	
8	87,121	8	71,546	8	55,972	8	40,719	8	25,224	8	9,608	8		8		8		8	
1/4	86,797	1/4	71,222	1/4	55,648	1/4	40,403	1/4	24,898	1/4	9,283	1/4		1/4	1/4	1/4		1/4	
1/2	86,472	1/2	70,897	1/2	55,323	1/2	40,087	1/2	24,573	1/2	8,958	1/2		1/2	1/2	1/2		1/2	
3/4	86,148	3/4	70,573	3/4	54,999	3/4	39,772	3/4	24,248	3/4	8,633	3/4		3/4	3/4	3/4		3/4	
9	85,823	9	70,248	9	54,674	9	39,456	9	23,922	9	8,307	9		9		9		9	
1/4	85,499	1/4	69,924	1/4	54,350	1/4	39,140	1/4	23,597	1/4	7,982	1/4		1/4	1/4	1/4		1/4	
1/2	85,174	1/2	69,599	1/2	54,026	1/2	38,824	1/2	23,272	1/2	7,657	1/2		1/2	1/2	1/2		1/2	
3/4	84,850	3/4	69,275	3/4	53,702	3/4	38,507	3/4	22,946	3/4	7,331	3/4		3/4	3/4	3/4		3/4	
10	84,525	10	68,950	10	53,379	10	38,191	10	22,621	10	7,006	10		10		10		10	
1/4	84,201	1/4	68,626	1/4	53,055	1/4	37,874	1/4	22,296	1/4	6,681	1/4		1/4	1/4	1/4		1/4	
1/2	83,876	1/2	68,301	1/2	52,732	1/2	37,558	1/2	21,970	1/2	6,355	1/2		1/2	1/2	1/2		1/2	
3/4	83,552	3/4	67,977	3/4	52,415	3/4	37,233	3/4	21,645	3/4	6,030	3/4		3/4	3/4	3/4		3/4	
11	83,227	11	67,653	11	52,098	11	36,909	11	21,320	11	5,705	11		11		11		11	
1/4	82,903	1/4	67,328	1/4	51,782	1/4	36,585	1/4	20,994	1/4	5,380	1/4		1/4	1/4	1/4		1/4	
1/2	82,578	1/2	67,004	1/2	51,465	1/2	36,260	1/2	20,669	1/2	5,055	1/2		1/2	1/2	1/2		1/2	
3/4	82,254	3/4	66,680	3/4	51,149	3/4	35,936	3/4	20,344	3/4	4,730	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/07/2013 CL - SW
CALCULATED: 02/07/2013 CL
PRINTED: 02/07/2013 SW

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 312"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	195,082	0	183,153	0	171,224	0	159,240	0	144,807	0	129,245	0	113,680
1/4		1/4		1/4		1/4	194,834	1/4	182,904	1/4	170,975	1/4	158,990	1/4	144,484	1/4	128,921	1/4	113,356
1/2		1/2		1/2		1/2	194,585	1/2	182,656	1/2	170,727	1/2	158,737	1/2	144,160	1/2	128,596	1/2	113,032
3/4		3/4		3/4		3/4	205,434	3/4	194,336	3/4	182,407	3/4	158,485	3/4	143,835	3/4	128,272	3/4	112,708
1		1		1		1	205,308	1	194,088	1	182,159	1	158,232	1	143,511	1	127,948	1	112,383
1/4		1/4		1/4		1/4	205,182	1/4	193,839	1/4	181,910	1/4	157,980	1/4	143,187	1/4	127,623	1/4	112,059
1/2		1/2		1/2		1/2	205,014	1/2	193,591	1/2	181,662	1/2	157,717	1/2	142,863	1/2	127,299	1/2	111,735
3/4		3/4		3/4		3/4	204,846	3/4	193,342	3/4	181,413	3/4	157,455	3/4	142,539	3/4	126,975	3/4	111,411
2		2		2		2	204,678	2	193,094	2	181,165	2	157,193	2	142,214	2	126,651	2	111,087
1/4		1/4		1/4		1/4	204,510	1/4	192,845	1/4	180,916	1/4	156,986	1/4	141,890	1/4	126,326	1/4	110,763
1/2		1/2		1/2		1/2	204,302	1/2	192,597	1/2	180,668	1/2	156,737	1/2	141,566	1/2	126,002	1/2	110,439
3/4		3/4		3/4		3/4	204,093	3/4	192,348	3/4	180,419	3/4	156,487	3/4	141,242	3/4	125,678	3/4	110,115
3		3		3		3	203,885	3	192,100	3	180,171	3	156,237	3	140,917	3	125,354	3	109,791
1/4		1/4		1/4		1/4	203,676	1/4	191,851	1/4	179,922	1/4	155,832	1/4	140,593	1/4	125,029	1/4	109,467
1/2		1/2		1/2		1/2	203,437	1/2	191,603	1/2	179,674	1/2	155,544	1/2	140,269	1/2	124,705	1/2	109,143
3/4		3/4		3/4		3/4	203,197	3/4	191,354	3/4	179,425	3/4	155,257	3/4	139,945	3/4	124,381	3/4	108,819
4		4		4		4	202,958	4	191,106	4	179,177	4	154,970	4	139,620	4	124,057	4	108,495
1/4		1/4		1/4		1/4	202,719	1/4	190,857	1/4	178,928	1/4	154,682	1/4	139,296	1/4	123,732	1/4	108,171
1/2		1/2		1/2		1/2	202,475	1/2	190,609	1/2	178,680	1/2	154,382	1/2	138,972	1/2	123,408	1/2	107,847
3/4		3/4		3/4		3/4	202,231	3/4	190,360	3/4	178,431	3/4	154,083	3/4	138,648	3/4	123,084	3/4	107,523
5		5		5		5	201,987	5	190,112	5	178,182	5	153,783	5	138,324	5	122,760	5	107,199
1/4		1/4		1/4		1/4	201,743	1/4	189,863	1/4	177,934	1/4	153,483	1/4	137,999	1/4	122,435	1/4	106,876
1/2		1/2		1/2		1/2	201,499	1/2	189,615	1/2	177,685	1/2	153,170	1/2	137,675	1/2	122,111	1/2	106,552
3/4		3/4		3/4		3/4	201,254	3/4	189,366	3/4	177,437	3/4	152,858	3/4	137,351	3/4	121,787	3/4	106,229
6		6		6		6	201,009	6	189,117	6	177,188	6	152,546	6	137,027	6	121,463	6	105,906
1/4		1/4		1/4		1/4	200,764	1/4	188,869	1/4	176,940	1/4	152,234	1/4	136,702	1/4	121,138	1/4	105,583
1/2		1/2		1/2		1/2	200,519	1/2	188,620	1/2	176,691	1/2	151,912	1/2	136,378	1/2	120,814	1/2	105,260
3/4		3/4		3/4		3/4	200,274	3/4	188,372	3/4	176,443	3/4	151,591	3/4	136,054	3/4	120,490	3/4	104,937
7		7		7		7	200,028	7	188,123	7	176,194	7	151,269	7	135,730	7	120,165	7	104,614
1/4		1/4		1/4		1/4	199,783	1/4	187,875	1/4	175,946	1/4	150,948	1/4	135,405	1/4	119,841	1/4	104,290
1/2		1/2		1/2		1/2	199,537	1/2	187,626	1/2	175,697	1/2	150,625	1/2	135,081	1/2	119,517	1/2	103,967
3/4		3/4		3/4		3/4	199,292	3/4	187,378	3/4	175,449	3/4	150,302	3/4	134,757	3/4	119,193	3/4	103,644
8		8		8		8	199,046	8	187,129	8	175,200	8	149,980	8	134,433	8	118,868	8	103,320
1/4		1/4		1/4		1/4	198,800	1/4	186,881	1/4	174,952	1/4	149,657	1/4	134,109	1/4	118,544	1/4	102,997
1/2		1/2		1/2		1/2	198,554	1/2	186,632	1/2	174,703	1/2	149,334	1/2	133,784	1/2	118,220	1/2	102,673
3/4		3/4		3/4		3/4	198,308	3/4	186,384	3/4	174,455	3/4	149,011	3/4	133,460	3/4	117,896	3/4	102,350
9		9		9		9	198,062	9	186,135	9	174,206	9	148,688	9	133,136	9	117,571	9	102,026
1/4		1/4		1/4		1/4	197,816	1/4	185,887	1/4	173,958	1/4	148,364	1/4	132,812	1/4	117,247	1/4	101,703
1/2		1/2		1/2		1/2	197,567	1/2	185,638	1/2	173,709	1/2	148,041	1/2	132,487	1/2	116,923	1/2	101,380
3/4		3/4		3/4		3/4	197,319	3/4	185,390	3/4	173,461	3/4	147,718	3/4	132,163	3/4	116,599	3/4	101,056
10		10		10		10	197,070	10	185,141	10	173,212	10	147,395	10	131,839	10	116,274	10	100,733
1/4		1/4		1/4		1/4	196,822	1/4	184,893	1/4	172,963	1/4	147,071	1/4	131,515	1/4	115,950	1/4	100,409
1/2		1/2		1/2		1/2	196,573	1/2	184,644	1/2	172,715	1/2	146,748	1/2	131,190	1/2	115,626	1/2	100,086
3/4		3/4		3/4		3/4	196,325	3/4	184,396	3/4	172,466	3/4	146,425	3/4	130,866	3/4	115,302	3/4	99,763
11		11		11		11	196,076	11	184,147	11	172,218	11	146,101	11	130,542	11	114,977	11	99,439
1/4		1/4		1/4		1/4	195,828	1/4	183,898	1/4	171,969	1/4	145,778	1/4	130,218	1/4	114,653	1/4	99,116
1/2		1/2		1/2		1/2	195,579	1/2	183,650	1/2	171,721	1/2	145,455	1/2	129,893	1/2	114,329	1/2	98,792
3/4		3/4		3/4		3/4	195,331	3/4	183,401	3/4	171,472	3/4	145,131	3/4	129,569	3/4	114,005	3/4	98,469

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 11'-00" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 312"

3 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 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	98,145	0	82,591	0	67,014	0	51,486	0	36,591	0	20,998	0	5,381	0		0		0	
1/4	97,822	1/4	82,266	1/4	66,690	1/4	51,176	1/4	36,267	1/4	20,673	1/4	5,056	1/4	1/4	1/4		1/4	
1/2	97,499	1/2	81,942	1/2	66,365	1/2	50,865	1/2	35,943	1/2	20,348	1/2	4,731	1/2	1/2	1/2		1/2	
3/4	97,175	3/4	81,617	3/4	66,041	3/4	50,555	3/4	35,618	3/4	20,022	3/4	4,406	3/4	3/4	3/4		3/4	
1	96,852	1	81,293	1	65,716	1	50,244	1	35,294	1	19,697	1	4,082	1		1		1	
1/4	96,528	1/4	80,968	1/4	65,392	1/4	49,934	1/4	34,969	1/4	19,372	1/4	3,757	1/4	1/4	1/4		1/4	
1/2	96,205	1/2	80,644	1/2	65,067	1/2	49,624	1/2	34,645	1/2	19,046	1/2	3,438	1/2	1/2	1/2		1/2	
3/4	95,881	3/4	80,319	3/4	64,743	3/4	49,314	3/4	34,321	3/4	18,721	3/4	3,119	3/4	3/4	3/4		3/4	
2	95,558	2	79,995	2	64,418	2	49,004	2	33,996	2	18,396	2	2,800	2		2		2	
1/4	95,235	1/4	79,670	1/4	64,094	1/4	48,694	1/4	33,672	1/4	18,070	1/4	2,481	1/4	1/4	1/4		1/4	
1/2	94,911	1/2	79,345	1/2	63,769	1/2	48,384	1/2	33,348	1/2	17,745	1/2	2,207	1/2	1/2	1/2		1/2	
3/4	94,588	3/4	79,021	3/4	63,445	3/4	48,075	3/4	33,023	3/4	17,419	3/4	1,932	3/4	3/4	3/4		3/4	
3	94,264	3	78,696	3	63,120	3	47,765	3	32,699	3	17,094	3	1,658	3		3		3	
1/4	93,941	1/4	78,372	1/4	62,796	1/4	47,456	1/4	32,375	1/4	16,769	1/4	1,383	1/4	1/4	1/4		1/4	
1/2	93,617	1/2	78,047	1/2	62,471	1/2	47,147	1/2	32,050	1/2	16,443	1/2	1,190	1/2	1/2	1/2		1/2	
3/4	93,294	3/4	77,723	3/4	62,147	3/4	46,838	3/4	31,726	3/4	16,118	3/4	997	3/4	3/4	3/4		3/4	
4	92,971	4	77,398	4	61,822	4	46,529	4	31,402	4	15,793	4	804	4		4		4	
1/4	92,647	1/4	77,074	1/4	61,498	1/4	46,220	1/4	31,077	1/4	15,467	1/4	610	1/4	1/4	1/4		1/4	
1/2	92,324	1/2	76,749	1/2	61,173	1/2	45,911	1/2	30,753	1/2	15,142	1/2		1/2	1/2	1/2		1/2	
3/4	92,000	3/4	76,425	3/4	60,849	3/4	45,602	3/4	30,428	3/4	14,817	3/4		3/4	3/4	3/4		3/4	
5	91,677	5	76,100	5	60,524	5	45,293	5	30,104	5	14,491	5		5		5		5	
1/4	91,353	1/4	75,776	1/4	60,200	1/4	44,984	1/4	29,780	1/4	14,166	1/4		1/4	1/4	1/4		1/4	
1/2	91,028	1/2	75,451	1/2	59,875	1/2	44,675	1/2	29,455	1/2	13,840	1/2		1/2	1/2	1/2		1/2	
3/4	90,704	3/4	75,127	3/4	59,550	3/4	44,366	3/4	29,131	3/4	13,515	3/4		3/4	3/4	3/4		3/4	
6	90,379	6	74,802	6	59,226	6	44,057	6	28,806	6	13,190	6		6		6		6	
1/4	90,055	1/4	74,478	1/4	58,901	1/4	43,748	1/4	28,482	1/4	12,864	1/4		1/4	1/4	1/4		1/4	
1/2	89,730	1/2	74,153	1/2	58,577	1/2	43,439	1/2	28,156	1/2	12,539	1/2		1/2	1/2	1/2		1/2	
3/4	89,406	3/4	73,829	3/4	58,252	3/4	43,130	3/4	27,831	3/4	12,214	3/4		3/4	3/4	3/4		3/4	
7	89,081	7	73,504	7	57,928	7	42,821	7	27,506	7	11,888	7		7		7		7	
1/4	88,757	1/4	73,179	1/4	57,603	1/4	42,512	1/4	27,180	1/4	11,563	1/4		1/4	1/4	1/4		1/4	
1/2	88,432	1/2	72,855	1/2	57,279	1/2	42,203	1/2	26,855	1/2	11,238	1/2		1/2	1/2	1/2		1/2	
3/4	88,108	3/4	72,530	3/4	56,954	3/4	41,894	3/4	26,530	3/4	10,912	3/4		3/4	3/4	3/4		3/4	
8	87,783	8	72,206	8	56,630	8	41,585	8	26,204	8	10,587	8		8		8		8	
1/4	87,459	1/4	71,881	1/4	56,305	1/4	41,276	1/4	25,879	1/4	10,261	1/4		1/4	1/4	1/4		1/4	
1/2	87,134	1/2	71,557	1/2	55,981	1/2	40,967	1/2	25,554	1/2	9,936	1/2		1/2	1/2	1/2		1/2	
3/4	86,810	3/4	71,232	3/4	55,656	3/4	40,657	3/4	25,228	3/4	9,611	3/4		3/4	3/4	3/4		3/4	
9	86,485	9	70,908	9	55,332	9	40,348	9	24,903	9	9,285	9		9		9		9	
1/4	86,161	1/4	70,583	1/4	55,007	1/4	40,039	1/4	24,577	1/4	8,960	1/4		1/4	1/4	1/4		1/4	
1/2	85,836	1/2	70,259	1/2	54,683	1/2	39,730	1/2	24,252	1/2	8,635	1/2		1/2	1/2	1/2		1/2	
3/4	85,511	3/4	69,934	3/4	54,358	3/4	39,422	3/4	23,927	3/4	8,309	3/4		3/4	3/4	3/4		3/4	
10	85,187	10	69,610	10	54,033	10	39,113	10	23,601	10	7,984	10		10		10		10	
1/4	84,862	1/4	69,285	1/4	53,709	1/4	38,804	1/4	23,276	1/4	7,659	1/4		1/4	1/4	1/4		1/4	
1/2	84,538	1/2	68,961	1/2	53,386	1/2	38,493	1/2	22,951	1/2	7,333	1/2		1/2	1/2	1/2		1/2	
3/4	84,213	3/4	68,636	3/4	53,063	3/4	38,183	3/4	22,625	3/4	7,008	3/4		3/4	3/4	3/4		3/4	
11	83,889	11	68,312	11	52,741	11	37,872	11	22,300	11	6,682	11		11		11		11	
1/4	83,564	1/4	67,987	1/4	52,418	1/4	37,562	1/4	21,975	1/4	6,357	1/4		1/4	1/4	1/4		1/4	
1/2	83,240	1/2	67,663	1/2	52,107	1/2	37,238	1/2	21,649	1/2	6,032	1/2		1/2	1/2	1/2		1/2	
3/4	82,915	3/4	67,338	3/4	51,797	3/4	36,914	3/4	21,324	3/4	5,707	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/07/2013 CL - SW
CALCULATED: 02/07/2013 CL
PRINTED: 02/07/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

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