



BARGE "CBC 310"

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	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
1 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
2 PORT	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-3/4	00-3/4
2 STBD	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-3/4	00-3/4
3 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
3 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8

(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 4'-00" TRIM DOWN BY STERN FOR 1 PORT IS 00-1/8"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 238'-03"

January 21, 2013

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 310"

1 PORT 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	13,227	0	28,400	0	44,016	0	59,707	0	75,414	0	91,120	0	106,827	0	122,534	0	138,239
1/4	719	1/4	13,528	1/4	28,727	1/4	44,340	1/4	60,034	1/4	75,741	1/4	91,448	1/4	107,154	1/4	122,861	1/4	138,566
1/2	854	1/2	13,829	1/2	29,055	1/2	44,665	1/2	60,361	1/2	76,068	1/2	91,775	1/2	107,481	1/2	123,188	1/2	138,893
3/4	989	3/4	14,130	3/4	29,382	3/4	44,989	3/4	60,689	3/4	76,395	3/4	92,102	3/4	107,809	3/4	123,515	3/4	139,220
1	1,123	1	14,430	1	29,709	1	45,314	1	61,016	1	76,723	1	92,429	1	108,136	1	123,843	1	139,547
1/4	1,336	1/4	14,735	1/4	30,036	1/4	45,640	1/4	61,343	1/4	77,050	1/4	92,756	1/4	108,463	1/4	124,170	1/4	139,875
1/2	1,548	1/2	15,039	1/2	30,363	1/2	45,967	1/2	61,670	1/2	77,377	1/2	93,084	1/2	108,790	1/2	124,497	1/2	140,202
3/4	1,760	3/4	15,343	3/4	30,691	3/4	46,293	3/4	61,998	3/4	77,704	3/4	93,411	3/4	109,118	3/4	124,824	3/4	140,529
2	1,972	2	15,647	2	31,018	2	46,620	2	62,325	2	78,031	2	93,738	2	109,445	2	125,151	2	140,856
1/4	2,232	1/4	15,955	1/4	31,345	1/4	46,947	1/4	62,652	1/4	78,359	1/4	94,065	1/4	109,772	1/4	125,479	1/4	141,183
1/2	2,493	1/2	16,263	1/2	31,672	1/2	47,273	1/2	62,979	1/2	78,686	1/2	94,393	1/2	110,099	1/2	125,806	1/2	141,510
3/4	2,753	3/4	16,570	3/4	32,000	3/4	47,600	3/4	63,306	3/4	79,013	3/4	94,720	3/4	110,426	3/4	126,133	3/4	141,837
3	3,013	3	16,878	3	32,327	3	47,927	3	63,634	3	79,340	3	95,047	3	110,754	3	126,460	3	142,165
1/4	3,283	1/4	17,189	1/4	32,652	1/4	48,254	1/4	63,961	1/4	79,668	1/4	95,374	1/4	111,081	1/4	126,788	1/4	142,492
1/2	3,552	1/2	17,500	1/2	32,978	1/2	48,582	1/2	64,288	1/2	79,995	1/2	95,701	1/2	111,408	1/2	127,115	1/2	142,819
3/4	3,822	3/4	17,811	3/4	33,303	3/4	48,909	3/4	64,615	3/4	80,322	3/4	96,029	3/4	111,735	3/4	127,442	3/4	143,146
4	4,092	4	18,122	4	33,629	4	49,236	4	64,943	4	80,649	4	96,356	4	112,063	4	127,769	4	143,473
1/4	4,365	1/4	18,436	1/4	33,954	1/4	49,563	1/4	65,270	1/4	80,976	1/4	96,683	1/4	112,390	1/4	128,096	1/4	143,800
1/2	4,639	1/2	18,751	1/2	34,279	1/2	49,890	1/2	65,597	1/2	81,304	1/2	97,010	1/2	112,717	1/2	128,424	1/2	144,127
3/4	4,912	3/4	19,065	3/4	34,604	3/4	50,218	3/4	65,924	3/4	81,631	3/4	97,338	3/4	113,044	3/4	128,751	3/4	144,455
5	5,185	5	19,380	5	34,929	5	50,545	5	66,251	5	81,958	5	97,665	5	113,371	5	129,078	5	144,782
1/4	5,462	1/4	19,698	1/4	35,254	1/4	50,872	1/4	66,579	1/4	82,285	1/4	97,992	1/4	113,699	1/4	129,405	1/4	145,109
1/2	5,739	1/2	20,015	1/2	35,579	1/2	51,199	1/2	66,906	1/2	82,613	1/2	98,319	1/2	114,026	1/2	129,733	1/2	145,436
3/4	6,016	3/4	20,333	3/4	35,903	3/4	51,526	3/4	67,233	3/4	82,940	3/4	98,646	3/4	114,353	3/4	130,060	3/4	145,763
6	6,293	6	20,651	6	36,228	6	51,854	6	67,560	6	83,267	6	98,974	6	114,680	6	130,387	6	146,090
1/4	6,574	1/4	20,972	1/4	36,552	1/4	52,181	1/4	67,888	1/4	83,594	1/4	99,301	1/4	115,008	1/4	130,714	1/4	146,417
1/2	6,854	1/2	21,294	1/2	36,877	1/2	52,508	1/2	68,215	1/2	83,921	1/2	99,628	1/2	115,335	1/2	131,041	1/2	146,745
3/4	7,135	3/4	21,615	3/4	37,201	3/4	52,835	3/4	68,542	3/4	84,249	3/4	99,955	3/4	115,662	3/4	131,369	3/4	147,072
7	7,415	7	21,936	7	37,526	7	53,163	7	68,869	7	84,576	7	100,283	7	115,989	7	131,696	7	147,399
1/4	7,699	1/4	22,253	1/4	37,850	1/4	53,490	1/4	69,196	1/4	84,903	1/4	100,610	1/4	116,316	1/4	132,023	1/4	147,726
1/2	7,983	1/2	22,570	1/2	38,175	1/2	53,817	1/2	69,524	1/2	85,230	1/2	100,937	1/2	116,644	1/2	132,350	1/2	148,053
3/4	8,266	3/4	22,887	3/4	38,499	3/4	54,144	3/4	69,851	3/4	85,558	3/4	101,264	3/4	116,971	3/4	132,677	3/4	148,380
8	8,550	8	23,204	8	38,824	8	54,471	8	70,178	8	85,885	8	101,591	8	117,298	8	133,004	8	148,707
1/4	8,837	1/4	23,523	1/4	39,148	1/4	54,799	1/4	70,505	1/4	86,212	1/4	101,919	1/4	117,625	1/4	133,332	1/4	149,035
1/2	9,125	1/2	23,841	1/2	39,473	1/2	55,126	1/2	70,833	1/2	86,539	1/2	102,246	1/2	117,953	1/2	133,659	1/2	149,362
3/4	9,412	3/4	24,160	3/4	39,797	3/4	55,453	3/4	71,160	3/4	86,866	3/4	102,573	3/4	118,280	3/4	133,986	3/4	149,689
9	9,699	9	24,478	9	40,122	9	55,780	9	71,487	9	87,194	9	102,900	9	118,607	9	134,313	9	150,016
1/4	9,990	1/4	24,804	1/4	40,446	1/4	56,108	1/4	71,814	1/4	87,521	1/4	103,228	1/4	118,934	1/4	134,640	1/4	150,343
1/2	10,280	1/2	25,130	1/2	40,771	1/2	56,435	1/2	72,141	1/2	87,848	1/2	103,555	1/2	119,261	1/2	134,967	1/2	150,670
3/4	10,571	3/4	25,456	3/4	41,095	3/4	56,762	3/4	72,469	3/4	88,175	3/4	103,882	3/4	119,589	3/4	135,295	3/4	150,997
10	10,861	10	25,783	10	41,420	10	57,089	10	72,796	10	88,503	10	104,209	10	119,916	10	135,622	10	151,325
1/4	11,155	1/4	26,110	1/4	41,744	1/4	57,416	1/4	73,123	1/4	88,830	1/4	104,536	1/4	120,243	1/4	135,949	1/4	151,652
1/2	11,449	1/2	26,437	1/2	42,069	1/2	57,744	1/2	73,450	1/2	89,157	1/2	104,864	1/2	120,570	1/2	136,276	1/2	151,979
3/4	11,743	3/4	26,764	3/4	42,393	3/4	58,071	3/4	73,778	3/4	89,484	3/4	105,191	3/4	120,898	3/4	136,603	3/4	152,306
11	12,037	11	27,091	11	42,718	11	58,398	11	74,105	11	89,811	11	105,518	11	121,225	11	136,930	11	152,633
1/4	12,335	1/4	27,419	1/4	43,042	1/4	58,725	1/4	74,432	1/4	90,139	1/4	105,845	1/4	121,552	1/4	137,257	1/4	152,960
1/2	12,632	1/2	27,746	1/2	43,367	1/2	59,053	1/2	74,759	1/2	90,466	1/2	106,173	1/2	121,879	1/2	137,585	1/2	153,287
3/4	12,930	3/4	28,073	3/4	43,691	3/4	59,380	3/4	75,086	3/4	90,793	3/4	106,500	3/4	122,206	3/4	137,912	3/4	153,615

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'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "CBC 310"

1 PORT 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	153,942	0	169,645	0	185,276	0	200,891	0	216,418	0		0		0		0		0	
1/4	154,269	1/4	169,972	1/4	185,601	1/4	201,216	1/4	216,732	1/4		1/4		1/4		1/4		1/4	
1/2	154,596	1/2	170,299	1/2	185,926	1/2	201,542	1/2	217,045	1/2		1/2		1/2		1/2		1/2	
3/4	154,923	3/4	170,626	3/4	186,251	3/4	201,867	3/4	217,358	3/4		3/4		3/4		3/4		3/4	
1	155,250	1	170,953	1	186,577	1	202,192	1	217,672	1		1		1		1		1	
1/4	155,577	1/4	171,280	1/4	186,902	1/4	202,517	1/4	217,945	1/4		1/4		1/4		1/4		1/4	
1/2	155,905	1/2	171,608	1/2	187,227	1/2	202,843	1/2	218,218	1/2		1/2		1/2		1/2		1/2	
3/4	156,232	3/4	171,935	3/4	187,553	3/4	203,168	3/4	218,491	3/4		3/4		3/4		3/4		3/4	
2	156,559	2	172,262	2	187,878	2	203,493	2	218,764	2		2		2		2		2	
1/4	156,886	1/4	172,587	1/4	188,203	1/4	203,819	1/4	218,984	1/4		1/4		1/4		1/4		1/4	
1/2	157,213	1/2	172,913	1/2	188,529	1/2	204,144	1/2	219,203	1/2		1/2		1/2		1/2		1/2	
3/4	157,540	3/4	173,238	3/4	188,854	3/4	204,469	3/4	219,423	3/4		3/4		3/4		3/4		3/4	
3	157,867	3	173,564	3	189,179	3	204,795	3	219,643	3		3		3		3		3	
1/4	158,195	1/4	173,889	1/4	189,505	1/4	205,120	1/4	219,808	1/4		1/4		1/4		1/4		1/4	
1/2	158,522	1/2	174,215	1/2	189,830	1/2	205,445	1/2	219,973	1/2		1/2		1/2		1/2		1/2	
3/4	158,849	3/4	174,540	3/4	190,155	3/4	205,771	3/4		3/4		3/4		3/4		3/4		3/4	
4	159,176	4	174,865	4	190,481	4	206,096	4		4		4		4		4		4	
1/4	159,503	1/4	175,191	1/4	190,806	1/4	206,421	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,830	1/2	175,516	1/2	191,131	1/2	206,747	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,157	3/4	175,841	3/4	191,457	3/4	207,072	3/4		3/4		3/4		3/4		3/4		3/4	
5	160,485	5	176,167	5	191,782	5	207,397	5		5		5		5		5		5	
1/4	160,812	1/4	176,492	1/4	192,107	1/4	207,723	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,139	1/2	176,817	1/2	192,433	1/2	208,048	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,466	3/4	177,143	3/4	192,758	3/4	208,373	3/4		3/4		3/4		3/4		3/4		3/4	
6	161,793	6	177,468	6	193,083	6	208,699	6		6		6		6		6		6	
1/4	162,120	1/4	177,793	1/4	193,409	1/4	209,024	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,447	1/2	178,118	1/2	193,734	1/2	209,349	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,775	3/4	178,444	3/4	194,059	3/4	209,674	3/4		3/4		3/4		3/4		3/4		3/4	
7	163,102	7	178,769	7	194,384	7	210,000	7		7		7		7		7		7	
1/4	163,429	1/4	179,094	1/4	194,710	1/4	210,322	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,756	1/2	179,420	1/2	195,035	1/2	210,644	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,083	3/4	179,745	3/4	195,360	3/4	210,967	3/4		3/4		3/4		3/4		3/4		3/4	
8	164,410	8	180,070	8	195,686	8	211,289	8		8		8		8		8		8	
1/4	164,738	1/4	180,396	1/4	196,011	1/4	211,610	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	165,065	1/2	180,721	1/2	196,336	1/2	211,932	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	165,392	3/4	181,046	3/4	196,662	3/4	212,254	3/4		3/4		3/4		3/4		3/4		3/4	
9	165,719	9	181,372	9	196,987	9	212,575	9		9		9		9		9		9	
1/4	166,046	1/4	181,697	1/4	197,312	1/4	212,896	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	166,373	1/2	182,022	1/2	197,638	1/2	213,218	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	166,700	3/4	182,348	3/4	197,963	3/4	213,539	3/4		3/4		3/4		3/4		3/4		3/4	
10	167,028	10	182,673	10	198,288	10	213,860	10		10		10		10		10		10	
1/4	167,355	1/4	182,998	1/4	198,614	1/4	214,180	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	167,682	1/2	183,324	1/2	198,939	1/2	214,501	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	168,009	3/4	183,649	3/4	199,264	3/4	214,821	3/4		3/4		3/4		3/4		3/4		3/4	
11	168,336	11	183,974	11	199,590	11	215,142	11		11		11		11		11		11	
1/4	168,663	1/4	184,300	1/4	199,915	1/4	215,461	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	168,990	1/2	184,625	1/2	200,240	1/2	215,780	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	169,318	3/4	184,950	3/4	200,566	3/4	216,099	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/21/2013 CL - SW
CALCULATED: 01/21/2013 CL
PRINTED: 01/21/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 310"

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	13,227	0	28,400	0	44,068	0	59,768	0	75,475	0	91,181	0	106,888	0	122,595	0	138,300
1/4	719	1/4	13,528	1/4	28,727	1/4	44,394	1/4	60,095	1/4	75,802	1/4	91,508	1/4	107,215	1/4	122,922	1/4	138,627
1/2	854	1/2	13,828	1/2	29,054	1/2	44,721	1/2	60,422	1/2	76,129	1/2	91,836	1/2	107,542	1/2	123,249	1/2	138,954
3/4	989	3/4	14,129	3/4	29,382	3/4	45,047	3/4	60,750	3/4	76,456	3/4	92,163	3/4	107,870	3/4	123,576	3/4	139,281
1	1,123	1	14,430	1	29,709	1	45,374	1	61,077	1	76,783	1	92,490	1	108,197	1	123,903	1	139,608
1/4	1,335	1/4	14,734	1/4	30,036	1/4	45,700	1/4	61,404	1/4	77,111	1/4	92,817	1/4	108,524	1/4	124,231	1/4	139,935
1/2	1,548	1/2	15,039	1/2	30,362	1/2	46,027	1/2	61,731	1/2	77,438	1/2	93,145	1/2	108,851	1/2	124,558	1/2	140,263
3/4	1,760	3/4	15,343	3/4	30,689	3/4	46,354	3/4	62,058	3/4	77,765	3/4	93,472	3/4	109,178	3/4	124,885	3/4	140,590
2	1,972	2	15,647	2	31,016	2	46,681	2	62,386	2	78,092	2	93,799	2	109,506	2	125,212	2	140,917
1/4	2,232	1/4	15,955	1/4	31,343	1/4	47,008	1/4	62,713	1/4	78,420	1/4	94,126	1/4	109,833	1/4	125,540	1/4	141,244
1/2	2,493	1/2	16,262	1/2	31,669	1/2	47,334	1/2	63,040	1/2	78,747	1/2	94,453	1/2	110,160	1/2	125,867	1/2	141,571
3/4	2,753	3/4	16,570	3/4	31,996	3/4	47,661	3/4	63,367	3/4	79,074	3/4	94,781	3/4	110,487	3/4	126,194	3/4	141,898
3	3,013	3	16,878	3	32,323	3	47,988	3	63,695	3	79,401	3	95,108	3	110,815	3	126,521	3	142,225
1/4	3,283	1/4	17,189	1/4	32,650	1/4	48,315	1/4	64,022	1/4	79,728	1/4	95,435	1/4	111,142	1/4	126,848	1/4	142,553
1/2	3,552	1/2	17,500	1/2	32,976	1/2	48,642	1/2	64,349	1/2	80,056	1/2	95,762	1/2	111,469	1/2	127,176	1/2	142,880
3/4	3,822	3/4	17,811	3/4	33,303	3/4	48,970	3/4	64,676	3/4	80,383	3/4	96,090	3/4	111,796	3/4	127,503	3/4	143,207
4	4,091	4	18,122	4	33,630	4	49,297	4	65,003	4	80,710	4	96,417	4	112,123	4	127,830	4	143,534
1/4	4,365	1/4	18,436	1/4	33,957	1/4	49,624	1/4	65,331	1/4	81,037	1/4	96,744	1/4	112,451	1/4	128,157	1/4	143,861
1/2	4,638	1/2	18,751	1/2	34,283	1/2	49,951	1/2	65,658	1/2	81,365	1/2	97,071	1/2	112,778	1/2	128,485	1/2	144,188
3/4	4,912	3/4	19,065	3/4	34,610	3/4	50,278	3/4	65,985	3/4	81,692	3/4	97,398	3/4	113,105	3/4	128,812	3/4	144,515
5	5,185	5	19,379	5	34,937	5	50,606	5	66,312	5	82,019	5	97,726	5	113,432	5	129,139	5	144,843
1/4	5,462	1/4	19,697	1/4	35,263	1/4	50,933	1/4	66,640	1/4	82,346	1/4	98,053	1/4	113,760	1/4	129,466	1/4	145,170
1/2	5,739	1/2	20,015	1/2	35,589	1/2	51,260	1/2	66,967	1/2	82,673	1/2	98,380	1/2	114,087	1/2	129,793	1/2	145,497
3/4	6,016	3/4	20,333	3/4	35,915	3/4	51,587	3/4	67,294	3/4	83,001	3/4	98,707	3/4	114,414	3/4	130,121	3/4	145,824
6	6,293	6	20,651	6	36,241	6	51,915	6	67,621	6	83,328	6	99,035	6	114,741	6	130,448	6	146,151
1/4	6,574	1/4	20,972	1/4	36,567	1/4	52,242	1/4	67,948	1/4	83,655	1/4	99,362	1/4	115,068	1/4	130,775	1/4	146,478
1/2	6,854	1/2	21,293	1/2	36,893	1/2	52,569	1/2	68,276	1/2	83,982	1/2	99,689	1/2	115,396	1/2	131,102	1/2	146,806
3/4	7,134	3/4	21,615	3/4	37,219	3/4	52,896	3/4	68,603	3/4	84,310	3/4	100,016	3/4	115,723	3/4	131,430	3/4	147,133
7	7,415	7	21,936	7	37,545	7	53,223	7	68,930	7	84,637	7	100,343	7	116,050	7	131,757	7	147,460
1/4	7,699	1/4	22,253	1/4	37,871	1/4	53,551	1/4	69,257	1/4	84,964	1/4	100,671	1/4	116,377	1/4	132,084	1/4	147,787
1/2	7,982	1/2	22,570	1/2	38,197	1/2	53,878	1/2	69,585	1/2	85,291	1/2	100,998	1/2	116,705	1/2	132,411	1/2	148,114
3/4	8,266	3/4	22,887	3/4	38,523	3/4	54,205	3/4	69,912	3/4	85,618	3/4	101,325	3/4	117,032	3/4	132,738	3/4	148,441
8	8,550	8	23,204	8	38,850	8	54,532	8	70,239	8	85,946	8	101,652	8	117,359	8	133,065	8	148,768
1/4	8,837	1/4	23,523	1/4	39,176	1/4	54,860	1/4	70,566	1/4	86,273	1/4	101,980	1/4	117,686	1/4	133,393	1/4	149,096
1/2	9,124	1/2	23,841	1/2	39,502	1/2	55,187	1/2	70,893	1/2	86,600	1/2	102,307	1/2	118,013	1/2	133,720	1/2	149,423
3/4	9,412	3/4	24,159	3/4	39,828	3/4	55,514	3/4	71,221	3/4	86,927	3/4	102,634	3/4	118,341	3/4	134,047	3/4	149,750
9	9,699	9	24,478	9	40,154	9	55,841	9	71,548	9	87,255	9	102,961	9	118,668	9	134,374	9	150,077
1/4	9,989	1/4	24,804	1/4	40,480	1/4	56,168	1/4	71,875	1/4	87,582	1/4	103,288	1/4	118,995	1/4	134,701	1/4	150,404
1/2	10,280	1/2	25,130	1/2	40,806	1/2	56,496	1/2	72,202	1/2	87,909	1/2	103,616	1/2	119,322	1/2	135,028	1/2	150,731
3/4	10,571	3/4	25,456	3/4	41,132	3/4	56,823	3/4	72,530	3/4	88,236	3/4	103,943	3/4	119,650	3/4	135,355	3/4	151,058
10	10,861	10	25,782	10	41,458	10	57,150	10	72,857	10	88,563	10	104,270	10	119,977	10	135,683	10	151,386
1/4	11,155	1/4	26,109	1/4	41,784	1/4	57,477	1/4	73,184	1/4	88,891	1/4	104,597	1/4	120,304	1/4	136,010	1/4	151,713
1/2	11,449	1/2	26,437	1/2	42,110	1/2	57,805	1/2	73,511	1/2	89,218	1/2	104,925	1/2	120,631	1/2	136,337	1/2	152,040
3/4	11,743	3/4	26,764	3/4	42,436	3/4	58,132	3/4	73,838	3/4	89,545	3/4	105,252	3/4	120,958	3/4	136,664	3/4	152,367
11	12,037	11	27,091	11	42,762	11	58,459	11	74,166	11	89,872	11	105,579	11	121,286	11	136,991	11	152,694
1/4	12,335	1/4	27,418	1/4	43,088	1/4	58,786	1/4	74,493	1/4	90,200	1/4	105,906	1/4	121,613	1/4	137,318	1/4	153,021
1/2	12,632	1/2	27,745	1/2	43,415	1/2	59,113	1/2	74,820	1/2	90,527	1/2	106,233	1/2	121,940	1/2	137,645	1/2	153,348
3/4	12,929	3/4	28,073	3/4	43,741	3/4	59,441	3/4	75,147	3/4	90,854	3/4	106,561	3/4	122,267	3/4	137,973	3/4	153,676

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'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 310"

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	154,003	0	169,706	0	185,336	0	200,952	0	216,479	0		0		0		0		0	
1/4	154,330	1/4	170,033	1/4	185,662	1/4	201,277	1/4	216,793	1/4		1/4		1/4		1/4		1/4	
1/2	154,657	1/2	170,360	1/2	185,987	1/2	201,602	1/2	217,106	1/2		1/2		1/2		1/2		1/2	
3/4	154,984	3/4	170,687	3/4	186,312	3/4	201,928	3/4	217,419	3/4		3/4		3/4		3/4		3/4	
1	155,311	1	171,014	1	186,638	1	202,253	1	217,733	1		1		1		1		1	
1/4	155,638	1/4	171,341	1/4	186,963	1/4	202,578	1/4	218,006	1/4		1/4		1/4		1/4		1/4	
1/2	155,966	1/2	171,668	1/2	187,288	1/2	202,904	1/2	218,279	1/2		1/2		1/2		1/2		1/2	
3/4	156,293	3/4	171,996	3/4	187,614	3/4	203,229	3/4	218,552	3/4		3/4		3/4		3/4		3/4	
2	156,620	2	172,323	2	187,939	2	203,554	2	218,825	2		2		2		2		2	
1/4	156,947	1/4	172,648	1/4	188,264	1/4	203,880	1/4	219,045	1/4		1/4		1/4		1/4		1/4	
1/2	157,274	1/2	172,974	1/2	188,590	1/2	204,205	1/2	219,264	1/2		1/2		1/2		1/2		1/2	
3/4	157,601	3/4	173,299	3/4	188,915	3/4	204,530	3/4	219,484	3/4		3/4		3/4		3/4		3/4	
3	157,928	3	173,625	3	189,240	3	204,856	3	219,704	3		3		3		3		3	
1/4	158,256	1/4	173,950	1/4	189,566	1/4	205,181	1/4	219,869	1/4		1/4		1/4		1/4		1/4	
1/2	158,583	1/2	174,276	1/2	189,891	1/2	205,506	1/2	220,034	1/2		1/2		1/2		1/2		1/2	
3/4	158,910	3/4	174,601	3/4	190,216	3/4	205,832	3/4		3/4		3/4		3/4		3/4		3/4	
4	159,237	4	174,926	4	190,542	4	206,157	4		4		4		4		4		4	
1/4	159,564	1/4	175,252	1/4	190,867	1/4	206,482	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,891	1/2	175,577	1/2	191,192	1/2	206,808	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,218	3/4	175,902	3/4	191,518	3/4	207,133	3/4		3/4		3/4		3/4		3/4		3/4	
5	160,546	5	176,228	5	191,843	5	207,458	5		5		5		5		5		5	
1/4	160,873	1/4	176,553	1/4	192,168	1/4	207,784	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,200	1/2	176,878	1/2	192,493	1/2	208,109	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,527	3/4	177,203	3/4	192,819	3/4	208,434	3/4		3/4		3/4		3/4		3/4		3/4	
6	161,854	6	177,529	6	193,144	6	208,759	6		6		6		6		6		6	
1/4	162,181	1/4	177,854	1/4	193,469	1/4	209,085	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,508	1/2	178,179	1/2	193,795	1/2	209,410	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,836	3/4	178,505	3/4	194,120	3/4	209,735	3/4		3/4		3/4		3/4		3/4		3/4	
7	163,163	7	178,830	7	194,445	7	210,061	7		7		7		7		7		7	
1/4	163,490	1/4	179,155	1/4	194,771	1/4	210,383	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,817	1/2	179,481	1/2	195,096	1/2	210,705	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,144	3/4	179,806	3/4	195,421	3/4	211,027	3/4		3/4		3/4		3/4		3/4		3/4	
8	164,471	8	180,131	8	195,747	8	211,350	8		8		8		8		8		8	
1/4	164,798	1/4	180,457	1/4	196,072	1/4	211,671	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	165,126	1/2	180,782	1/2	196,397	1/2	211,993	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	165,453	3/4	181,107	3/4	196,723	3/4	212,315	3/4		3/4		3/4		3/4		3/4		3/4	
9	165,780	9	181,433	9	197,048	9	212,636	9		9		9		9		9		9	
1/4	166,107	1/4	181,758	1/4	197,373	1/4	212,957	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	166,434	1/2	182,083	1/2	197,699	1/2	213,278	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	166,761	3/4	182,409	3/4	198,024	3/4	213,600	3/4		3/4		3/4		3/4		3/4		3/4	
10	167,088	10	182,734	10	198,349	10	213,921	10		10		10		10		10		10	
1/4	167,416	1/4	183,059	1/4	198,675	1/4	214,241	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	167,743	1/2	183,385	1/2	199,000	1/2	214,562	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	168,070	3/4	183,710	3/4	199,325	3/4	214,882	3/4		3/4		3/4		3/4		3/4		3/4	
11	168,397	11	184,035	11	199,651	11	215,202	11		11		11		11		11		11	
1/4	168,724	1/4	184,361	1/4	199,976	1/4	215,522	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	169,051	1/2	184,686	1/2	200,301	1/2	215,841	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	169,378	3/4	185,011	3/4	200,626	3/4	216,160	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/21/2013 CL - SW
CALCULATED: 01/21/2013 CL
PRINTED: 01/21/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 310"

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	15,002	0	30,149	0	45,116	0	60,184	0	75,332	0	90,480	0	105,627	0	120,775	0	135,921
1/4	780	1/4	15,317	1/4	30,464	1/4	45,425	1/4	60,500	1/4	75,648	1/4	90,795	1/4	105,943	1/4	121,090	1/4	136,236
1/2	967	1/2	15,633	1/2	30,780	1/2	45,734	1/2	60,816	1/2	75,963	1/2	91,111	1/2	106,258	1/2	121,406	1/2	136,552
3/4	1,155	3/4	15,948	3/4	31,096	3/4	46,043	3/4	61,131	3/4	76,279	3/4	91,426	3/4	106,574	3/4	121,721	3/4	136,867
1	1,342	1	16,264	1	31,411	1	46,352	1	61,447	1	76,594	1	91,742	1	106,889	1	122,037	1	137,183
1/4	1,608	1/4	16,580	1/4	31,727	1/4	46,661	1/4	61,762	1/4	76,910	1/4	92,057	1/4	107,205	1/4	122,353	1/4	137,498
1/2	1,874	1/2	16,895	1/2	32,042	1/2	46,971	1/2	62,078	1/2	77,225	1/2	92,373	1/2	107,521	1/2	122,668	1/2	137,814
3/4	2,141	3/4	17,211	3/4	32,358	3/4	47,280	3/4	62,393	3/4	77,541	3/4	92,689	3/4	107,836	3/4	122,984	3/4	138,129
2	2,407	2	17,526	2	32,673	2	47,589	2	62,709	2	77,857	2	93,004	2	108,152	2	123,299	2	138,445
1/4	2,716	1/4	17,842	1/4	32,989	1/4	47,899	1/4	63,025	1/4	78,172	1/4	93,320	1/4	108,467	1/4	123,615	1/4	138,760
1/2	3,026	1/2	18,157	1/2	33,305	1/2	48,208	1/2	63,340	1/2	78,488	1/2	93,635	1/2	108,783	1/2	123,931	1/2	139,076
3/4	3,335	3/4	18,473	3/4	33,620	3/4	48,517	3/4	63,656	3/4	78,803	3/4	93,951	3/4	109,099	3/4	124,246	3/4	139,391
3	3,644	3	18,789	3	33,936	3	48,827	3	63,971	3	79,119	3	94,266	3	109,414	3	124,562	3	139,707
1/4	3,959	1/4	19,104	1/4	34,251	1/4	49,142	1/4	64,287	1/4	79,434	1/4	94,582	1/4	109,730	1/4	124,877	1/4	140,022
1/2	4,274	1/2	19,420	1/2	34,567	1/2	49,456	1/2	64,602	1/2	79,750	1/2	94,898	1/2	110,045	1/2	125,193	1/2	140,338
3/4	4,589	3/4	19,735	3/4	34,882	3/4	49,771	3/4	64,918	3/4	80,066	3/4	95,213	3/4	110,361	3/4	125,508	3/4	140,653
4	4,904	4	20,051	4	35,198	4	50,086	4	65,234	4	80,381	4	95,529	4	110,676	4	125,824	4	140,969
1/4	5,220	1/4	20,366	1/4	35,514	1/4	50,402	1/4	65,549	1/4	80,697	1/4	95,844	1/4	110,992	1/4	126,140	1/4	141,284
1/2	5,535	1/2	20,682	1/2	35,829	1/2	50,717	1/2	65,865	1/2	81,012	1/2	96,160	1/2	111,308	1/2	126,455	1/2	141,600
3/4	5,851	3/4	20,998	3/4	36,145	3/4	51,033	3/4	66,180	3/4	81,328	3/4	96,476	3/4	111,623	3/4	126,771	3/4	141,915
5	6,166	5	21,313	5	36,460	5	51,348	5	66,496	5	81,644	5	96,791	5	111,939	5	127,086	5	142,231
1/4	6,482	1/4	21,629	1/4	36,770	1/4	51,664	1/4	66,812	1/4	81,959	1/4	97,107	1/4	112,254	1/4	127,402	1/4	142,546
1/2	6,797	1/2	21,944	1/2	37,080	1/2	51,979	1/2	67,127	1/2	82,275	1/2	97,422	1/2	112,570	1/2	127,717	1/2	142,862
3/4	7,113	3/4	22,260	3/4	37,390	3/4	52,295	3/4	67,443	3/4	82,590	3/4	97,738	3/4	112,885	3/4	128,033	3/4	143,177
6	7,428	6	22,575	6	37,700	6	52,611	6	67,758	6	82,906	6	98,053	6	113,201	6	128,349	6	143,493
1/4	7,744	1/4	22,891	1/4	38,009	1/4	52,926	1/4	68,074	1/4	83,221	1/4	98,369	1/4	113,517	1/4	128,664	1/4	143,808
1/2	8,059	1/2	23,206	1/2	38,318	1/2	53,242	1/2	68,389	1/2	83,537	1/2	98,685	1/2	113,832	1/2	128,980	1/2	144,124
3/4	8,375	3/4	23,522	3/4	38,627	3/4	53,557	3/4	68,705	3/4	83,853	3/4	99,000	3/4	114,148	3/4	129,295	3/4	144,439
7	8,690	7	23,838	7	38,936	7	53,873	7	69,021	7	84,168	7	99,316	7	114,463	7	129,611	7	144,755
1/4	9,006	1/4	24,153	1/4	39,245	1/4	54,189	1/4	69,336	1/4	84,484	1/4	99,631	1/4	114,779	1/4	129,926	1/4	145,070
1/2	9,322	1/2	24,469	1/2	39,554	1/2	54,504	1/2	69,652	1/2	84,799	1/2	99,947	1/2	115,094	1/2	130,242	1/2	145,386
3/4	9,637	3/4	24,784	3/4	39,863	3/4	54,820	3/4	69,967	3/4	85,115	3/4	100,262	3/4	115,410	3/4	130,557	3/4	145,701
8	9,953	8	25,100	8	40,172	8	55,135	8	70,283	8	85,430	8	100,578	8	115,726	8	130,873	8	146,017
1/4	10,268	1/4	25,415	1/4	40,481	1/4	55,451	1/4	70,598	1/4	85,746	1/4	100,894	1/4	116,041	1/4	131,188	1/4	146,332
1/2	10,584	1/2	25,731	1/2	40,790	1/2	55,766	1/2	70,914	1/2	86,062	1/2	101,209	1/2	116,357	1/2	131,504	1/2	146,648
3/4	10,899	3/4	26,047	3/4	41,099	3/4	56,082	3/4	71,230	3/4	86,377	3/4	101,525	3/4	116,672	3/4	131,819	3/4	146,963
9	11,215	9	26,362	9	41,408	9	56,398	9	71,545	9	86,693	9	101,840	9	116,988	9	132,135	9	147,279
1/4	11,531	1/4	26,678	1/4	41,717	1/4	56,713	1/4	71,861	1/4	87,008	1/4	102,156	1/4	117,303	1/4	132,450	1/4	147,594
1/2	11,846	1/2	26,993	1/2	42,026	1/2	57,029	1/2	72,176	1/2	87,324	1/2	102,471	1/2	117,619	1/2	132,766	1/2	147,910
3/4	12,162	3/4	27,309	3/4	42,335	3/4	57,344	3/4	72,492	3/4	87,639	3/4	102,787	3/4	117,935	3/4	133,081	3/4	148,225
10	12,477	10	27,624	10	42,644	10	57,660	10	72,807	10	87,955	10	103,103	10	118,250	10	133,397	10	148,541
1/4	12,793	1/4	27,940	1/4	42,953	1/4	57,975	1/4	73,123	1/4	88,271	1/4	103,418	1/4	118,566	1/4	133,712	1/4	148,856
1/2	13,108	1/2	28,256	1/2	43,262	1/2	58,291	1/2	73,439	1/2	88,586	1/2	103,734	1/2	118,881	1/2	134,028	1/2	149,172
3/4	13,424	3/4	28,571	3/4	43,571	3/4	58,607	3/4	73,754	3/4	88,902	3/4	104,049	3/4	119,197	3/4	134,343	3/4	149,487
11	13,740	11	28,887	11	43,880	11	58,922	11	74,070	11	89,217	11	104,365	11	119,512	11	134,659	11	149,803
1/4	14,055	1/4	29,202	1/4	44,189	1/4	59,238	1/4	74,385	1/4	89,533	1/4	104,680	1/4	119,828	1/4	134,974	1/4	150,118
1/2	14,371	1/2	29,518	1/2	44,498	1/2	59,553	1/2	74,701	1/2	89,848	1/2	104,996	1/2	120,144	1/2	135,290	1/2	150,434
3/4	14,686	3/4	29,833	3/4	44,807	3/4	59,869	3/4	75,016	3/4	90,164	3/4	105,312	3/4	120,459	3/4	135,605	3/4	150,749

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'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "CBC 310"

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	151,065	0	166,209	0	181,280	0	196,337	0	211,306	0		0		0		0		0	
1/4	151,380	1/4	166,524	1/4	181,594	1/4	196,650	1/4	211,608	1/4		1/4		1/4		1/4		1/4	
1/2	151,696	1/2	166,839	1/2	181,908	1/2	196,964	1/2	211,910	1/2		1/2		1/2		1/2		1/2	
3/4	152,011	3/4	167,155	3/4	182,221	3/4	197,278	3/4	212,212	3/4		3/4		3/4		3/4		3/4	
1	152,327	1	167,470	1	182,535	1	197,591	1	212,514	1		1		1		1		1	
1/4	152,642	1/4	167,786	1/4	182,849	1/4	197,905	1/4	212,777	1/4		1/4		1/4		1/4		1/4	
1/2	152,958	1/2	168,101	1/2	183,162	1/2	198,219	1/2	213,040	1/2		1/2		1/2		1/2		1/2	
3/4	153,273	3/4	168,417	3/4	183,476	3/4	198,532	3/4	213,304	3/4		3/4		3/4		3/4		3/4	
2	153,589	2	168,732	2	183,790	2	198,846	2	213,567	2		2		2		2		2	
1/4	153,904	1/4	169,046	1/4	184,103	1/4	199,160	1/4	213,778	1/4		1/4		1/4		1/4		1/4	
1/2	154,220	1/2	169,360	1/2	184,417	1/2	199,473	1/2	213,990	1/2		1/2		1/2		1/2		1/2	
3/4	154,535	3/4	169,674	3/4	184,731	3/4	199,787	3/4	214,202	3/4		3/4		3/4		3/4		3/4	
3	154,851	3	169,988	3	185,044	3	200,101	3	214,413	3		3		3		3		3	
1/4	155,166	1/4	170,302	1/4	185,358	1/4	200,414	1/4	214,573	1/4		1/4		1/4		1/4		1/4	
1/2	155,482	1/2	170,615	1/2	185,672	1/2	200,728	1/2	214,732	1/2		1/2		1/2		1/2		1/2	
3/4	155,797	3/4	170,929	3/4	185,985	3/4	201,042	3/4		3/4		3/4		3/4		3/4		3/4	
4	156,113	4	171,243	4	186,299	4	201,355	4		4		4		4		4		4	
1/4	156,428	1/4	171,556	1/4	186,613	1/4	201,669	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,744	1/2	171,870	1/2	186,926	1/2	201,983	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,059	3/4	172,184	3/4	187,240	3/4	202,296	3/4		3/4		3/4		3/4		3/4		3/4	
5	157,375	5	172,497	5	187,554	5	202,610	5		5		5		5		5		5	
1/4	157,690	1/4	172,811	1/4	187,867	1/4	202,924	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,006	1/2	173,125	1/2	188,181	1/2	203,237	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,321	3/4	173,438	3/4	188,495	3/4	203,551	3/4		3/4		3/4		3/4		3/4		3/4	
6	158,637	6	173,752	6	188,808	6	203,865	6		6		6		6		6		6	
1/4	158,952	1/4	174,066	1/4	189,122	1/4	204,178	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,268	1/2	174,380	1/2	189,436	1/2	204,492	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,583	3/4	174,693	3/4	189,750	3/4	204,806	3/4		3/4		3/4		3/4		3/4		3/4	
7	159,899	7	175,007	7	190,063	7	205,120	7		7		7		7		7		7	
1/4	160,214	1/4	175,321	1/4	190,377	1/4	205,430	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,530	1/2	175,634	1/2	190,691	1/2	205,741	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,845	3/4	175,948	3/4	191,004	3/4	206,051	3/4		3/4		3/4		3/4		3/4		3/4	
8	161,161	8	176,262	8	191,318	8	206,362	8		8		8		8		8		8	
1/4	161,476	1/4	176,575	1/4	191,632	1/4	206,672	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,792	1/2	176,889	1/2	191,945	1/2	206,982	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,107	3/4	177,203	3/4	192,259	3/4	207,292	3/4		3/4		3/4		3/4		3/4		3/4	
9	162,423	9	177,516	9	192,573	9	207,602	9		9		9		9		9		9	
1/4	162,738	1/4	177,830	1/4	192,886	1/4	207,911	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,054	1/2	178,144	1/2	193,200	1/2	208,221	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,369	3/4	178,457	3/4	193,514	3/4	208,530	3/4		3/4		3/4		3/4		3/4		3/4	
10	163,685	10	178,771	10	193,827	10	208,840	10		10		10		10		10		10	
1/4	164,000	1/4	179,085	1/4	194,141	1/4	209,149	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,316	1/2	179,398	1/2	194,455	1/2	209,458	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,631	3/4	179,712	3/4	194,768	3/4	209,766	3/4		3/4		3/4		3/4		3/4		3/4	
11	164,947	11	180,026	11	195,082	11	210,075	11		11		11		11		11		11	
1/4	165,262	1/4	180,339	1/4	195,396	1/4	210,383	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	165,578	1/2	180,653	1/2	195,709	1/2	210,691	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	165,893	3/4	180,967	3/4	196,023	3/4	210,998	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/21/2013 CL - SW
CALCULATED: 01/21/2013 CL
PRINTED: 01/21/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2013

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



BARGE "CBC 310"

2 STBD

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	15,002	0	30,149	0	45,010	0	60,106	0	75,253	0	90,401	0	105,548	0	120,696	0	135,842
1/4	780	1/4	15,317	1/4	30,464	1/4	45,318	1/4	60,421	1/4	75,569	1/4	90,716	1/4	105,864	1/4	121,012	1/4	136,158
1/2	967	1/2	15,633	1/2	30,780	1/2	45,625	1/2	60,737	1/2	75,884	1/2	91,032	1/2	106,180	1/2	121,327	1/2	136,473
3/4	1,155	3/4	15,948	3/4	31,096	3/4	45,932	3/4	61,052	3/4	76,200	3/4	91,348	3/4	106,495	3/4	121,643	3/4	136,789
1	1,342	1	16,264	1	31,411	1	46,240	1	61,368	1	76,516	1	91,663	1	106,811	1	121,958	1	137,104
1/4	1,608	1/4	16,580	1/4	31,727	1/4	46,553	1/4	61,684	1/4	76,831	1/4	91,979	1/4	107,126	1/4	122,274	1/4	137,420
1/2	1,874	1/2	16,895	1/2	32,042	1/2	46,865	1/2	61,999	1/2	77,147	1/2	92,294	1/2	107,442	1/2	122,589	1/2	137,735
3/4	2,141	3/4	17,211	3/4	32,358	3/4	47,178	3/4	62,315	3/4	77,462	3/4	92,610	3/4	107,757	3/4	122,905	3/4	138,051
2	2,407	2	17,526	2	32,673	2	47,491	2	62,630	2	77,778	2	92,925	2	108,073	2	123,221	2	138,366
1/4	2,716	1/4	17,842	1/4	32,989	1/4	47,805	1/4	62,946	1/4	78,093	1/4	93,241	1/4	108,389	1/4	123,536	1/4	138,682
1/2	3,026	1/2	18,157	1/2	33,305	1/2	48,119	1/2	63,261	1/2	78,409	1/2	93,557	1/2	108,704	1/2	123,852	1/2	138,997
3/4	3,335	3/4	18,473	3/4	33,620	3/4	48,432	3/4	63,577	3/4	78,725	3/4	93,872	3/4	109,020	3/4	124,167	3/4	139,313
3	3,644	3	18,789	3	33,936	3	48,746	3	63,893	3	79,040	3	94,188	3	109,335	3	124,483	3	139,628
1/4	3,959	1/4	19,104	1/4	34,245	1/4	49,061	1/4	64,208	1/4	79,356	1/4	94,503	1/4	109,651	1/4	124,798	1/4	139,944
1/2	4,274	1/2	19,420	1/2	34,554	1/2	49,377	1/2	64,524	1/2	79,671	1/2	94,819	1/2	109,966	1/2	125,114	1/2	140,259
3/4	4,589	3/4	19,735	3/4	34,863	3/4	49,692	3/4	64,839	3/4	79,987	3/4	95,134	3/4	110,282	3/4	125,430	3/4	140,575
4	4,904	4	20,051	4	35,172	4	50,007	4	65,155	4	80,302	4	95,450	4	110,598	4	125,745	4	140,890
1/4	5,220	1/4	20,366	1/4	35,480	1/4	50,323	1/4	65,470	1/4	80,618	1/4	95,766	1/4	110,913	1/4	126,061	1/4	141,206
1/2	5,535	1/2	20,682	1/2	35,788	1/2	50,638	1/2	65,786	1/2	80,934	1/2	96,081	1/2	111,229	1/2	126,376	1/2	141,521
3/4	5,850	3/4	20,998	3/4	36,096	3/4	50,954	3/4	66,102	3/4	81,249	3/4	96,397	3/4	111,544	3/4	126,692	3/4	141,837
5	6,166	5	21,313	5	36,404	5	51,270	5	66,417	5	81,565	5	96,712	5	111,860	5	127,007	5	142,152
1/4	6,482	1/4	21,629	1/4	36,711	1/4	51,585	1/4	66,733	1/4	81,880	1/4	97,028	1/4	112,175	1/4	127,323	1/4	142,467
1/2	6,797	1/2	21,944	1/2	37,019	1/2	51,901	1/2	67,048	1/2	82,196	1/2	97,343	1/2	112,491	1/2	127,639	1/2	142,783
3/4	7,113	3/4	22,260	3/4	37,326	3/4	52,216	3/4	67,364	3/4	82,511	3/4	97,659	3/4	112,807	3/4	127,954	3/4	143,098
6	7,428	6	22,575	6	37,634	6	52,532	6	67,679	6	82,827	6	97,975	6	113,122	6	128,270	6	143,414
1/4	7,744	1/4	22,891	1/4	37,941	1/4	52,847	1/4	67,995	1/4	83,143	1/4	98,290	1/4	113,438	1/4	128,585	1/4	143,729
1/2	8,059	1/2	23,206	1/2	38,248	1/2	53,163	1/2	68,311	1/2	83,458	1/2	98,606	1/2	113,753	1/2	128,901	1/2	144,045
3/4	8,375	3/4	23,522	3/4	38,556	3/4	53,479	3/4	68,626	3/4	83,774	3/4	98,921	3/4	114,069	3/4	129,217	3/4	144,360
7	8,690	7	23,838	7	38,863	7	53,794	7	68,942	7	84,089	7	99,237	7	114,385	7	129,532	7	144,676
1/4	9,006	1/4	24,153	1/4	39,171	1/4	54,110	1/4	69,257	1/4	84,405	1/4	99,553	1/4	114,700	1/4	129,848	1/4	144,991
1/2	9,322	1/2	24,469	1/2	39,478	1/2	54,425	1/2	69,573	1/2	84,721	1/2	99,868	1/2	115,016	1/2	130,163	1/2	145,307
3/4	9,637	3/4	24,784	3/4	39,785	3/4	54,741	3/4	69,888	3/4	85,036	3/4	100,184	3/4	115,331	3/4	130,479	3/4	145,622
8	9,953	8	25,100	8	40,093	8	55,056	8	70,204	8	85,352	8	100,499	8	115,647	8	130,794	8	145,938
1/4	10,268	1/4	25,415	1/4	40,400	1/4	55,372	1/4	70,520	1/4	85,667	1/4	100,815	1/4	115,962	1/4	131,110	1/4	146,253
1/2	10,584	1/2	25,731	1/2	40,707	1/2	55,688	1/2	70,835	1/2	85,983	1/2	101,130	1/2	116,278	1/2	131,425	1/2	146,569
3/4	10,899	3/4	26,047	3/4	41,015	3/4	56,003	3/4	71,151	3/4	86,298	3/4	101,446	3/4	116,594	3/4	131,741	3/4	146,884
9	11,215	9	26,362	9	41,322	9	56,319	9	71,466	9	86,614	9	101,762	9	116,909	9	132,056	9	147,200
1/4	11,531	1/4	26,678	1/4	41,629	1/4	56,634	1/4	71,782	1/4	86,930	1/4	102,077	1/4	117,225	1/4	132,372	1/4	147,515
1/2	11,846	1/2	26,993	1/2	41,937	1/2	56,950	1/2	72,098	1/2	87,245	1/2	102,393	1/2	117,540	1/2	132,687	1/2	147,831
3/4	12,162	3/4	27,309	3/4	42,244	3/4	57,266	3/4	72,413	3/4	87,561	3/4	102,708	3/4	117,856	3/4	133,003	3/4	148,146
10	12,477	10	27,624	10	42,551	10	57,581	10	72,729	10	87,876	10	103,024	10	118,171	10	133,318	10	148,462
1/4	12,793	1/4	27,940	1/4	42,859	1/4	57,897	1/4	73,044	1/4	88,192	1/4	103,339	1/4	118,487	1/4	133,634	1/4	148,777
1/2	13,108	1/2	28,256	1/2	43,166	1/2	58,212	1/2	73,360	1/2	88,507	1/2	103,655	1/2	118,803	1/2	133,949	1/2	149,093
3/4	13,424	3/4	28,571	3/4	43,474	3/4	58,528	3/4	73,675	3/4	88,823	3/4	103,971	3/4	119,118	3/4	134,265	3/4	149,408
11	13,740	11	28,887	11	43,781	11	58,843	11	73,991	11	89,139	11	104,286	11	119,434	11	134,580	11	149,724
1/4	14,055	1/4	29,202	1/4	44,088	1/4	59,159	1/4	74,307	1/4	89,454	1/4	104,602	1/4	119,749	1/4	134,896	1/4	150,039
1/2	14,371	1/2	29,518	1/2	44,396	1/2	59,475	1/2	74,622	1/2	89,770	1/2	104,917	1/2	120,065	1/2	135,211	1/2	150,355
3/4	14,686	3/4	29,833	3/4	44,703	3/4	59,790	3/4	74,938	3/4	90,085	3/4	105,233	3/4	120,380	3/4	135,527	3/4	150,670

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'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 310"

2 STBD
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	150,986	0	166,130	0	181,202	0	196,258	0	211,227	0		0		0		0		0	
1/4	151,301	1/4	166,445	1/4	181,515	1/4	196,572	1/4	211,529	1/4		1/4		1/4		1/4		1/4	
1/2	151,617	1/2	166,761	1/2	181,829	1/2	196,885	1/2	211,831	1/2		1/2		1/2		1/2		1/2	
3/4	151,932	3/4	167,076	3/4	182,143	3/4	197,199	3/4	212,133	3/4		3/4		3/4		3/4		3/4	
1	152,248	1	167,392	1	182,456	1	197,513	1	212,435	1		1		1		1		1	
1/4	152,563	1/4	167,707	1/4	182,770	1/4	197,826	1/4	212,699	1/4		1/4		1/4		1/4		1/4	
1/2	152,879	1/2	168,023	1/2	183,084	1/2	198,140	1/2	212,962	1/2		1/2		1/2		1/2		1/2	
3/4	153,194	3/4	168,338	3/4	183,397	3/4	198,454	3/4	213,225	3/4		3/4		3/4		3/4		3/4	
2	153,510	2	168,654	2	183,711	2	198,767	2	213,488	2		2		2		2		2	
1/4	153,825	1/4	168,968	1/4	184,025	1/4	199,081	1/4	213,700	1/4		1/4		1/4		1/4		1/4	
1/2	154,141	1/2	169,282	1/2	184,338	1/2	199,395	1/2	213,911	1/2		1/2		1/2		1/2		1/2	
3/4	154,456	3/4	169,595	3/4	184,652	3/4	199,708	3/4	214,123	3/4		3/4		3/4		3/4		3/4	
3	154,772	3	169,909	3	184,966	3	200,022	3	214,335	3		3		3		3		3	
1/4	155,087	1/4	170,223	1/4	185,279	1/4	200,336	1/4	214,494	1/4		1/4		1/4		1/4		1/4	
1/2	155,403	1/2	170,537	1/2	185,593	1/2	200,649	1/2	214,653	1/2		1/2		1/2		1/2		1/2	
3/4	155,718	3/4	170,850	3/4	185,907	3/4	200,963	3/4		3/4		3/4		3/4		3/4		3/4	
4	156,034	4	171,164	4	186,220	4	201,277	4		4		4		4		4		4	
1/4	156,349	1/4	171,478	1/4	186,534	1/4	201,590	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,665	1/2	171,791	1/2	186,848	1/2	201,904	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,980	3/4	172,105	3/4	187,161	3/4	202,218	3/4		3/4		3/4		3/4		3/4		3/4	
5	157,296	5	172,419	5	187,475	5	202,531	5		5		5		5		5		5	
1/4	157,611	1/4	172,732	1/4	187,789	1/4	202,845	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,927	1/2	173,046	1/2	188,102	1/2	203,159	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,242	3/4	173,360	3/4	188,416	3/4	203,472	3/4		3/4		3/4		3/4		3/4		3/4	
6	158,558	6	173,673	6	188,730	6	203,786	6		6		6		6		6		6	
1/4	158,873	1/4	173,987	1/4	189,043	1/4	204,100	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,189	1/2	174,301	1/2	189,357	1/2	204,413	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,504	3/4	174,614	3/4	189,671	3/4	204,727	3/4		3/4		3/4		3/4		3/4		3/4	
7	159,820	7	174,928	7	189,984	7	205,041	7		7		7		7		7		7	
1/4	160,135	1/4	175,242	1/4	190,298	1/4	205,351	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,451	1/2	175,555	1/2	190,612	1/2	205,662	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,766	3/4	175,869	3/4	190,925	3/4	205,973	3/4		3/4		3/4		3/4		3/4		3/4	
8	161,082	8	176,183	8	191,239	8	206,283	8		8		8		8		8		8	
1/4	161,397	1/4	176,496	1/4	191,553	1/4	206,593	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,713	1/2	176,810	1/2	191,866	1/2	206,903	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,028	3/4	177,124	3/4	192,180	3/4	207,213	3/4		3/4		3/4		3/4		3/4		3/4	
9	162,344	9	177,437	9	192,494	9	207,523	9		9		9		9		9		9	
1/4	162,659	1/4	177,751	1/4	192,808	1/4	207,833	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,975	1/2	178,065	1/2	193,121	1/2	208,142	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,290	3/4	178,379	3/4	193,435	3/4	208,452	3/4		3/4		3/4		3/4		3/4		3/4	
10	163,606	10	178,692	10	193,749	10	208,761	10		10		10		10		10		10	
1/4	163,921	1/4	179,006	1/4	194,062	1/4	209,070	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,237	1/2	179,320	1/2	194,376	1/2	209,379	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,552	3/4	179,633	3/4	194,690	3/4	209,688	3/4		3/4		3/4		3/4		3/4		3/4	
11	164,868	11	179,947	11	195,003	11	209,997	11		11		11		11		11		11	
1/4	165,183	1/4	180,261	1/4	195,317	1/4	210,304	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	165,499	1/2	180,574	1/2	195,631	1/2	210,612	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	165,814	3/4	180,888	3/4	195,944	3/4	210,920	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/21/2013 CL - SW
CALCULATED: 01/21/2013 CL
PRINTED: 01/21/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "CBC 310"

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	611	0	15,484	0	31,111	0	46,463	0	61,890	0	77,483	0	93,074	0	108,615	0	124,193	0	139,774
1/4	804	1/4	15,810	1/4	31,435	1/4	46,780	1/4	62,215	1/4	77,808	1/4	93,398	1/4	108,939	1/4	124,517	1/4	140,098
1/2	998	1/2	16,135	1/2	31,760	1/2	47,096	1/2	62,540	1/2	78,133	1/2	93,721	1/2	109,263	1/2	124,842	1/2	140,423
3/4	1,191	3/4	16,461	3/4	32,085	3/4	47,412	3/4	62,865	3/4	78,458	3/4	94,045	3/4	109,588	3/4	125,167	3/4	140,747
1	1,385	1	16,787	1	32,410	1	47,728	1	63,190	1	78,783	1	94,369	1	109,912	1	125,491	1	141,072
1/4	1,659	1/4	17,112	1/4	32,734	1/4	48,045	1/4	63,515	1/4	79,108	1/4	94,693	1/4	110,236	1/4	125,816	1/4	141,396
1/2	1,934	1/2	17,438	1/2	33,059	1/2	48,362	1/2	63,840	1/2	79,433	1/2	95,016	1/2	110,561	1/2	126,140	1/2	141,721
3/4	2,209	3/4	17,764	3/4	33,384	3/4	48,678	3/4	64,164	3/4	79,758	3/4	95,340	3/4	110,885	3/4	126,465	3/4	142,046
2	2,484	2	18,090	2	33,708	2	48,995	2	64,489	2	80,082	2	95,664	2	111,209	2	126,790	2	142,370
1/4	2,803	1/4	18,415	1/4	34,033	1/4	49,312	1/4	64,814	1/4	80,407	1/4	95,988	1/4	111,534	1/4	127,114	1/4	142,695
1/2	3,122	1/2	18,741	1/2	34,358	1/2	49,628	1/2	65,139	1/2	80,732	1/2	96,311	1/2	111,858	1/2	127,439	1/2	143,019
3/4	3,442	3/4	19,067	3/4	34,683	3/4	49,945	3/4	65,464	3/4	81,057	3/4	96,635	3/4	112,182	3/4	127,763	3/4	143,344
3	3,761	3	19,392	3	35,007	3	50,262	3	65,789	3	81,382	3	96,959	3	112,507	3	128,088	3	143,669
1/4	4,086	1/4	19,718	1/4	35,332	1/4	50,579	1/4	66,114	1/4	81,707	1/4	97,283	1/4	112,831	1/4	128,413	1/4	143,993
1/2	4,411	1/2	20,044	1/2	35,657	1/2	50,896	1/2	66,438	1/2	82,032	1/2	97,607	1/2	113,156	1/2	128,737	1/2	144,318
3/4	4,736	3/4	20,370	3/4	35,981	3/4	51,213	3/4	66,763	3/4	82,357	3/4	97,930	3/4	113,480	3/4	129,062	3/4	144,642
4	5,061	4	20,695	4	36,306	4	51,530	4	67,088	4	82,681	4	98,254	4	113,805	4	129,386	4	144,967
1/4	5,387	1/4	21,021	1/4	36,631	1/4	51,847	1/4	67,413	1/4	83,006	1/4	98,578	1/4	114,130	1/4	129,711	1/4	145,291
1/2	5,713	1/2	21,347	1/2	36,955	1/2	52,164	1/2	67,737	1/2	83,331	1/2	98,902	1/2	114,454	1/2	130,036	1/2	145,615
3/4	6,038	3/4	21,672	3/4	37,280	3/4	52,481	3/4	68,062	3/4	83,656	3/4	99,225	3/4	114,779	3/4	130,360	3/4	145,938
5	6,364	5	21,998	5	37,605	5	52,798	5	68,387	5	83,981	5	99,549	5	115,104	5	130,685	5	146,262
1/4	6,689	1/4	22,324	1/4	37,922	1/4	53,121	1/4	68,712	1/4	84,306	1/4	99,873	1/4	115,428	1/4	131,010	1/4	146,586
1/2	7,015	1/2	22,650	1/2	38,239	1/2	53,445	1/2	69,037	1/2	84,631	1/2	100,197	1/2	115,753	1/2	131,334	1/2	146,910
3/4	7,341	3/4	22,975	3/4	38,556	3/4	53,769	3/4	69,361	3/4	84,956	3/4	100,521	3/4	116,077	3/4	131,659	3/4	147,233
6	7,667	6	23,301	6	38,873	6	54,093	6	69,686	6	85,281	6	100,844	6	116,402	6	131,983	6	147,557
1/4	7,992	1/4	23,627	1/4	39,189	1/4	54,418	1/4	70,011	1/4	85,605	1/4	101,168	1/4	116,727	1/4	132,308	1/4	147,881
1/2	8,318	1/2	23,953	1/2	39,505	1/2	54,743	1/2	70,336	1/2	85,930	1/2	101,492	1/2	117,051	1/2	132,633	1/2	148,204
3/4	8,644	3/4	24,278	3/4	39,821	3/4	55,068	3/4	70,661	3/4	86,255	3/4	101,816	3/4	117,376	3/4	132,957	3/4	148,528
7	8,969	7	24,604	7	40,138	7	55,393	7	70,986	7	86,580	7	102,139	7	117,700	7	133,282	7	148,852
1/4	9,295	1/4	24,930	1/4	40,454	1/4	55,718	1/4	71,311	1/4	86,905	1/4	102,463	1/4	118,025	1/4	133,606	1/4	149,175
1/2	9,621	1/2	25,255	1/2	40,770	1/2	56,042	1/2	71,636	1/2	87,230	1/2	102,787	1/2	118,350	1/2	133,931	1/2	149,498
3/4	9,947	3/4	25,581	3/4	41,087	3/4	56,367	3/4	71,960	3/4	87,555	3/4	103,111	3/4	118,674	3/4	134,256	3/4	149,822
8	10,272	8	25,907	8	41,403	8	56,692	8	72,285	8	87,880	8	103,435	8	118,999	8	134,580	8	150,145
1/4	10,598	1/4	26,233	1/4	41,719	1/4	57,017	1/4	72,610	1/4	88,204	1/4	103,758	1/4	119,323	1/4	134,905	1/4	150,468
1/2	10,924	1/2	26,558	1/2	42,035	1/2	57,342	1/2	72,935	1/2	88,529	1/2	104,082	1/2	119,648	1/2	135,229	1/2	150,792
3/4	11,249	3/4	26,884	3/4	42,352	3/4	57,667	3/4	73,260	3/4	88,854	3/4	104,406	3/4	119,973	3/4	135,554	3/4	151,115
9	11,575	9	27,210	9	42,668	9	57,992	9	73,585	9	89,179	9	104,730	9	120,297	9	135,879	9	151,438
1/4	11,901	1/4	27,535	1/4	42,984	1/4	58,317	1/4	73,910	1/4	89,504	1/4	105,053	1/4	120,622	1/4	136,203	1/4	151,760
1/2	12,227	1/2	27,861	1/2	43,300	1/2	58,641	1/2	74,235	1/2	89,829	1/2	105,377	1/2	120,947	1/2	136,528	1/2	152,082
3/4	12,552	3/4	28,187	3/4	43,617	3/4	58,966	3/4	74,559	3/4	90,154	3/4	105,700	3/4	121,271	3/4	136,852	3/4	152,403
10	12,878	10	28,513	10	43,933	10	59,291	10	74,884	10	90,479	10	106,024	10	121,596	10	137,177	10	152,725
1/4	13,204	1/4	28,837	1/4	44,249	1/4	59,616	1/4	75,209	1/4	90,803	1/4	106,347	1/4	121,920	1/4	137,501	1/4	153,038
1/2	13,530	1/2	29,162	1/2	44,566	1/2	59,941	1/2	75,534	1/2	91,128	1/2	106,671	1/2	122,245	1/2	137,826	1/2	153,350
3/4	13,855	3/4	29,487	3/4	44,882	3/4	60,266	3/4	75,859	3/4	91,453	3/4	106,994	3/4	122,570	3/4	138,151	3/4	153,663
11	14,181	11	29,812	11	45,198	11	60,591	11	76,184	11	91,778	11	107,318	11	122,894	11	138,475	11	153,975
1/4	14,507	1/4	30,137	1/4	45,514	1/4	60,916	1/4	76,509	1/4	92,102	1/4	107,642	1/4	123,219	1/4	138,800	1/4	154,276
1/2	14,832	1/2	30,461	1/2	45,831	1/2	61,241	1/2	76,834	1/2	92,426	1/2	107,966	1/2	123,543	1/2	139,124	1/2	154,576
3/4	15,158	3/4	30,786	3/4	46,147	3/4	61,565	3/4	77,158	3/4	92,750	3/4	108,290	3/4	123,868	3/4	139,449	3/4	154,876

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 310"

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	155,176	0	167,495	0	179,448	0	191,390	0	203,265	0		0		0		0		0	
1/4	155,464	1/4	167,745	1/4	179,697	1/4	191,639	1/4	203,504	1/4		1/4		1/4		1/4		1/4	
1/2	155,752	1/2	167,995	1/2	179,946	1/2	191,888	1/2	203,744	1/2		1/2		1/2		1/2		1/2	
3/4	156,039	3/4	168,245	3/4	180,195	3/4	192,137	3/4	203,984	3/4		3/4		3/4		3/4		3/4	
1	156,327	1	168,495	1	180,444	1	192,386	1	204,223	1		1		1		1		1	
1/4	156,602	1/4	168,745	1/4	180,692	1/4	192,634	1/4	204,432	1/4		1/4		1/4		1/4		1/4	
1/2	156,877	1/2	168,996	1/2	180,941	1/2	192,883	1/2	204,641	1/2		1/2		1/2		1/2		1/2	
3/4	157,152	3/4	169,246	3/4	181,190	3/4	193,132	3/4	204,850	3/4		3/4		3/4		3/4		3/4	
2	157,427	2	169,496	2	181,439	2	193,381	2	205,059	2		2		2		2		2	
1/4	157,690	1/4	169,745	1/4	181,688	1/4	193,630	1/4	205,227	1/4		1/4		1/4		1/4		1/4	
1/2	157,952	1/2	169,994	1/2	181,936	1/2	193,878	1/2	205,395	1/2		1/2		1/2		1/2		1/2	
3/4	158,215	3/4	170,243	3/4	182,185	3/4	194,127	3/4	205,563	3/4		3/4		3/4		3/4		3/4	
3	158,477	3	170,492	3	182,434	3	194,376	3	205,731	3		3		3		3		3	
1/4	158,730	1/4	170,741	1/4	182,683	1/4	194,625	1/4	205,857	1/4		1/4		1/4		1/4		1/4	
1/2	158,983	1/2	170,989	1/2	182,931	1/2	194,874	1/2	205,983	1/2		1/2		1/2		1/2		1/2	
3/4	159,236	3/4	171,238	3/4	183,180	3/4	195,122	3/4		3/4		3/4		3/4		3/4		3/4	
4	159,489	4	171,487	4	183,429	4	195,371	4		4		4		4		4		4	
1/4	159,739	1/4	171,736	1/4	183,678	1/4	195,620	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,989	1/2	171,985	1/2	183,927	1/2	195,869	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,240	3/4	172,233	3/4	184,175	3/4	196,118	3/4		3/4		3/4		3/4		3/4		3/4	
5	160,490	5	172,482	5	184,424	5	196,366	5		5		5		5		5		5	
1/4	160,740	1/4	172,731	1/4	184,673	1/4	196,615	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,990	1/2	172,980	1/2	184,922	1/2	196,864	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,241	3/4	173,229	3/4	185,171	3/4	197,113	3/4		3/4		3/4		3/4		3/4		3/4	
6	161,491	6	173,477	6	185,419	6	197,361	6		6		6		6		6		6	
1/4	161,741	1/4	173,726	1/4	185,668	1/4	197,610	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,991	1/2	173,975	1/2	185,917	1/2	197,859	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,241	3/4	174,224	3/4	186,166	3/4	198,108	3/4		3/4		3/4		3/4		3/4		3/4	
7	162,491	7	174,473	7	186,415	7	198,357	7		7		7		7		7		7	
1/4	162,742	1/4	174,721	1/4	186,663	1/4	198,603	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,992	1/2	174,970	1/2	186,912	1/2	198,850	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,242	3/4	175,219	3/4	187,161	3/4	199,096	3/4		3/4		3/4		3/4		3/4		3/4	
8	163,492	8	175,468	8	187,410	8	199,342	8		8		8		8		8		8	
1/4	163,742	1/4	175,716	1/4	187,659	1/4	199,588	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,992	1/2	175,965	1/2	187,907	1/2	199,834	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,243	3/4	176,214	3/4	188,156	3/4	200,080	3/4		3/4		3/4		3/4		3/4		3/4	
9	164,493	9	176,463	9	188,405	9	200,326	9		9		9		9		9		9	
1/4	164,743	1/4	176,712	1/4	188,654	1/4	200,572	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,993	1/2	176,960	1/2	188,903	1/2	200,817	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	165,243	3/4	177,209	3/4	189,151	3/4	201,063	3/4		3/4		3/4		3/4		3/4		3/4	
10	165,493	10	177,458	10	189,400	10	201,308	10		10		10		10		10		10	
1/4	165,744	1/4	177,707	1/4	189,649	1/4	201,553	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	165,994	1/2	177,956	1/2	189,898	1/2	201,798	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	166,244	3/4	178,204	3/4	190,146	3/4	202,043	3/4		3/4		3/4		3/4		3/4		3/4	
11	166,494	11	178,453	11	190,395	11	202,289	11		11		11		11		11		11	
1/4	166,744	1/4	178,702	1/4	190,644	1/4	202,533	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	166,994	1/2	178,951	1/2	190,893	1/2	202,777	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	167,245	3/4	179,200	3/4	191,142	3/4	203,021	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/21/2013 CL - SW
CALCULATED: 01/21/2013 CL
PRINTED: 01/21/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2013

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



BARGE "CBC 310"

3 STBD

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	611	0	15,484	0	31,111	0	46,270	0	61,564	0	77,157	0	92,748	0	108,288	0	123,867	0	139,447
1/4	804	1/4	15,810	1/4	31,435	1/4	46,579	1/4	61,889	1/4	77,482	1/4	93,071	1/4	108,613	1/4	124,191	1/4	139,772
1/2	998	1/2	16,135	1/2	31,760	1/2	46,889	1/2	62,214	1/2	77,807	1/2	93,395	1/2	108,937	1/2	124,516	1/2	140,097
3/4	1,191	3/4	16,461	3/4	32,085	3/4	47,198	3/4	62,539	3/4	78,132	3/4	93,719	3/4	109,262	3/4	124,840	3/4	140,421
1	1,385	1	16,787	1	32,410	1	47,507	1	62,864	1	78,457	1	94,043	1	109,586	1	125,165	1	140,746
1/4	1,659	1/4	17,112	1/4	32,734	1/4	47,817	1/4	63,189	1/4	78,782	1/4	94,367	1/4	109,910	1/4	125,490	1/4	141,070
1/2	1,934	1/2	17,438	1/2	33,059	1/2	48,127	1/2	63,514	1/2	79,107	1/2	94,690	1/2	110,235	1/2	125,814	1/2	141,395
3/4	2,209	3/4	17,764	3/4	33,384	3/4	48,437	3/4	63,838	3/4	79,431	3/4	95,014	3/4	110,559	3/4	126,139	3/4	141,720
2	2,484	2	18,090	2	33,708	2	48,746	2	64,163	2	79,756	2	95,338	2	110,883	2	126,464	2	142,044
1/4	2,803	1/4	18,415	1/4	34,033	1/4	49,057	1/4	64,488	1/4	80,081	1/4	95,662	1/4	111,208	1/4	126,788	1/4	142,369
1/2	3,122	1/2	18,741	1/2	34,358	1/2	49,367	1/2	64,813	1/2	80,406	1/2	95,985	1/2	111,532	1/2	127,113	1/2	142,693
3/4	3,442	3/4	19,067	3/4	34,683	3/4	49,678	3/4	65,138	3/4	80,731	3/4	96,309	3/4	111,856	3/4	127,437	3/4	143,018
3	3,761	3	19,392	3	35,007	3	49,988	3	65,463	3	81,056	3	96,633	3	112,181	3	127,762	3	143,342
1/4	4,086	1/4	19,718	1/4	35,332	1/4	50,299	1/4	65,788	1/4	81,381	1/4	96,957	1/4	112,505	1/4	128,087	1/4	143,667
1/2	4,411	1/2	20,044	1/2	35,657	1/2	50,610	1/2	66,112	1/2	81,706	1/2	97,281	1/2	112,830	1/2	128,411	1/2	143,992
3/4	4,736	3/4	20,370	3/4	35,981	3/4	50,920	3/4	66,437	3/4	82,031	3/4	97,604	3/4	113,154	3/4	128,736	3/4	144,316
4	5,061	4	20,695	4	36,306	4	51,231	4	66,762	4	82,355	4	97,928	4	113,479	4	129,060	4	144,641
1/4	5,387	1/4	21,021	1/4	36,630	1/4	51,542	1/4	67,087	1/4	82,680	1/4	98,252	1/4	113,804	1/4	129,385	1/4	144,965
1/2	5,713	1/2	21,347	1/2	36,954	1/2	51,853	1/2	67,411	1/2	83,005	1/2	98,576	1/2	114,128	1/2	129,710	1/2	145,289
3/4	6,038	3/4	21,672	3/4	37,278	3/4	52,164	3/4	67,736	3/4	83,330	3/4	98,899	3/4	114,453	3/4	130,034	3/4	145,612
5	6,364	5	21,998	5	37,602	5	52,475	5	68,061	5	83,655	5	99,223	5	114,777	5	130,359	5	145,936
1/4	6,689	1/4	22,324	1/4	37,913	1/4	52,798	1/4	68,386	1/4	83,980	1/4	99,547	1/4	115,102	1/4	130,683	1/4	146,260
1/2	7,015	1/2	22,650	1/2	38,224	1/2	53,121	1/2	68,710	1/2	84,305	1/2	99,871	1/2	115,427	1/2	131,008	1/2	146,584
3/4	7,341	3/4	22,975	3/4	38,535	3/4	53,444	3/4	69,035	3/4	84,630	3/4	100,195	3/4	115,751	3/4	131,333	3/4	146,907
6	7,667	6	23,301	6	38,846	6	53,767	6	69,360	6	84,954	6	100,518	6	116,076	6	131,657	6	147,231
1/4	7,992	1/4	23,627	1/4	39,155	1/4	54,092	1/4	69,685	1/4	85,279	1/4	100,842	1/4	116,401	1/4	131,982	1/4	147,555
1/2	8,318	1/2	23,953	1/2	39,464	1/2	54,417	1/2	70,010	1/2	85,604	1/2	101,166	1/2	116,725	1/2	132,307	1/2	147,878
3/4	8,644	3/4	24,278	3/4	39,773	3/4	54,742	3/4	70,335	3/4	85,929	3/4	101,490	3/4	117,050	3/4	132,631	3/4	148,202
7	8,969	7	24,604	7	40,083	7	55,067	7	70,660	7	86,254	7	101,813	7	117,374	7	132,956	7	148,526
1/4	9,295	1/4	24,930	1/4	40,392	1/4	55,391	1/4	70,985	1/4	86,579	1/4	102,137	1/4	117,699	1/4	133,280	1/4	148,849
1/2	9,621	1/2	25,255	1/2	40,701	1/2	55,716	1/2	71,309	1/2	86,904	1/2	102,461	1/2	118,024	1/2	133,605	1/2	149,172
3/4	9,947	3/4	25,581	3/4	41,011	3/4	56,041	3/4	71,634	3/4	87,229	3/4	102,785	3/4	118,348	3/4	133,930	3/4	149,496
8	10,272	8	25,907	8	41,320	8	56,366	8	71,959	8	87,553	8	103,108	8	118,673	8	134,254	8	149,819
1/4	10,598	1/4	26,233	1/4	41,629	1/4	56,691	1/4	72,284	1/4	87,878	1/4	103,432	1/4	118,997	1/4	134,579	1/4	150,142
1/2	10,924	1/2	26,558	1/2	41,939	1/2	57,016	1/2	72,609	1/2	88,203	1/2	103,756	1/2	119,322	1/2	134,903	1/2	150,466
3/4	11,249	3/4	26,884	3/4	42,248	3/4	57,341	3/4	72,934	3/4	88,528	3/4	104,080	3/4	119,647	3/4	135,228	3/4	150,789
9	11,575	9	27,210	9	42,558	9	57,666	9	73,259	9	88,853	9	104,404	9	119,971	9	135,552	9	151,112
1/4	11,901	1/4	27,535	1/4	42,867	1/4	57,991	1/4	73,584	1/4	89,178	1/4	104,727	1/4	120,296	1/4	135,877	1/4	151,434
1/2	12,227	1/2	27,861	1/2	43,176	1/2	58,315	1/2	73,909	1/2	89,503	1/2	105,051	1/2	120,621	1/2	136,202	1/2	151,756
3/4	12,552	3/4	28,187	3/4	43,486	3/4	58,640	3/4	74,233	3/4	89,828	3/4	105,374	3/4	120,945	3/4	136,526	3/4	152,077
10	12,878	10	28,513	10	43,795	10	58,965	10	74,558	10	90,153	10	105,698	10	121,270	10	136,851	10	152,399
1/4	13,204	1/4	28,837	1/4	44,104	1/4	59,290	1/4	74,883	1/4	90,477	1/4	106,021	1/4	121,594	1/4	137,175	1/4	152,712
1/2	13,530	1/2	29,162	1/2	44,414	1/2	59,615	1/2	75,208	1/2	90,802	1/2	106,345	1/2	121,919	1/2	137,500	1/2	153,024
3/4	13,855	3/4	29,487	3/4	44,723	3/4	59,940	3/4	75,533	3/4	91,127	3/4	106,668	3/4	122,244	3/4	137,825	3/4	153,337
11	14,181	11	29,812	11	45,032	11	60,265	11	75,858	11	91,452	11	106,992	11	122,568	11	138,149	11	153,649
1/4	14,507	1/4	30,137	1/4	45,342	1/4	60,590	1/4	76,183	1/4	91,776	1/4	107,316	1/4	122,893	1/4	138,474	1/4	153,950
1/2	14,832	1/2	30,461	1/2	45,651	1/2	60,914	1/2	76,508	1/2	92,100	1/2	107,640	1/2	123,217	1/2	138,798	1/2	154,250
3/4	15,158	3/4	30,786	3/4	45,960	3/4	61,239	3/4	76,832	3/4	92,424	3/4	107,964	3/4	123,542	3/4	139,123	3/4	154,550

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 310"

3 STBD
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	154,850	0	167,169	0	179,122	0	191,064	0	202,939	0		0		0		0		0	
1/4	155,138	1/4	167,419	1/4	179,371	1/4	191,313	1/4	203,178	1/4		1/4		1/4		1/4		1/4	
1/2	155,426	1/2	167,669	1/2	179,620	1/2	191,562	1/2	203,418	1/2		1/2		1/2		1/2		1/2	
3/4	155,713	3/4	167,919	3/4	179,869	3/4	191,811	3/4	203,658	3/4		3/4		3/4		3/4		3/4	
1	156,001	1	168,169	1	180,118	1	192,060	1	203,897	1		1		1		1		1	
1/4	156,276	1/4	168,419	1/4	180,366	1/4	192,308	1/4	204,106	1/4		1/4		1/4		1/4		1/4	
1/2	156,551	1/2	168,670	1/2	180,615	1/2	192,557	1/2	204,315	1/2		1/2		1/2		1/2		1/2	
3/4	156,826	3/4	168,920	3/4	180,864	3/4	192,806	3/4	204,524	3/4		3/4		3/4		3/4		3/4	
2	157,101	2	169,170	2	181,113	2	193,055	2	204,733	2		2		2		2		2	
1/4	157,364	1/4	169,419	1/4	181,361	1/4	193,304	1/4	204,901	1/4		1/4		1/4		1/4		1/4	
1/2	157,626	1/2	169,668	1/2	181,610	1/2	193,552	1/2	205,069	1/2		1/2		1/2		1/2		1/2	
3/4	157,889	3/4	169,917	3/4	181,859	3/4	193,801	3/4	205,237	3/4		3/4		3/4		3/4		3/4	
3	158,151	3	170,166	3	182,108	3	194,050	3	205,405	3		3		3		3		3	
1/4	158,404	1/4	170,415	1/4	182,357	1/4	194,299	1/4	205,531	1/4		1/4		1/4		1/4		1/4	
1/2	158,657	1/2	170,663	1/2	182,605	1/2	194,548	1/2	205,657	1/2		1/2		1/2		1/2		1/2	
3/4	158,910	3/4	170,912	3/4	182,854	3/4	194,796	3/4		3/4		3/4		3/4		3/4		3/4	
4	159,163	4	171,161	4	183,103	4	195,045	4		4		4		4		4		4	
1/4	159,413	1/4	171,410	1/4	183,352	1/4	195,294	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,663	1/2	171,659	1/2	183,601	1/2	195,543	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,914	3/4	171,907	3/4	183,849	3/4	195,791	3/4		3/4		3/4		3/4		3/4		3/4	
5	160,164	5	172,156	5	184,098	5	196,040	5		5		5		5		5		5	
1/4	160,414	1/4	172,405	1/4	184,347	1/4	196,289	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,664	1/2	172,654	1/2	184,596	1/2	196,538	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,915	3/4	172,903	3/4	184,845	3/4	196,787	3/4		3/4		3/4		3/4		3/4		3/4	
6	161,165	6	173,151	6	185,093	6	197,035	6		6		6		6		6		6	
1/4	161,415	1/4	173,400	1/4	185,342	1/4	197,284	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,665	1/2	173,649	1/2	185,591	1/2	197,533	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,915	3/4	173,898	3/4	185,840	3/4	197,782	3/4		3/4		3/4		3/4		3/4		3/4	
7	162,165	7	174,146	7	186,089	7	198,031	7		7		7		7		7		7	
1/4	162,416	1/4	174,395	1/4	186,337	1/4	198,277	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,666	1/2	174,644	1/2	186,586	1/2	198,523	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,916	3/4	174,893	3/4	186,835	3/4	198,770	3/4		3/4		3/4		3/4		3/4		3/4	
8	163,166	8	175,142	8	187,084	8	199,016	8		8		8		8		8		8	
1/4	163,416	1/4	175,390	1/4	187,333	1/4	199,262	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,666	1/2	175,639	1/2	187,581	1/2	199,508	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,917	3/4	175,888	3/4	187,830	3/4	199,754	3/4		3/4		3/4		3/4		3/4		3/4	
9	164,167	9	176,137	9	188,079	9	200,000	9		9		9		9		9		9	
1/4	164,417	1/4	176,386	1/4	188,328	1/4	200,246	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,667	1/2	176,634	1/2	188,576	1/2	200,491	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,917	3/4	176,883	3/4	188,825	3/4	200,737	3/4		3/4		3/4		3/4		3/4		3/4	
10	165,167	10	177,132	10	189,074	10	200,982	10		10		10		10		10		10	
1/4	165,417	1/4	177,381	1/4	189,323	1/4	201,227	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	165,668	1/2	177,630	1/2	189,572	1/2	201,472	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	165,918	3/4	177,878	3/4	189,820	3/4	201,717	3/4		3/4		3/4		3/4		3/4		3/4	
11	166,168	11	178,127	11	190,069	11	201,962	11		11		11		11		11		11	
1/4	166,418	1/4	178,376	1/4	190,318	1/4	202,207	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	166,668	1/2	178,625	1/2	190,567	1/2	202,451	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	166,918	3/4	178,874	3/4	190,816	3/4	202,695	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/21/2013 CL - SW
CALCULATED: 01/21/2013 CL
PRINTED: 01/21/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 310"

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: 01/21/2013 CL - SW
CALCULATED: 01/21/2013 CL
PRINTED: 01/21/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2013

PRECISION MEASUREMENT
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BARGE "CBC 310"

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	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
1 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
2 PORT	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4
2 STBD	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4
3 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
3 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8

(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 4'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 00-1/8"
FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 238'-03"

January 21, 2013

PRECISION MEASUREMENT
& ANALYSIS, INC.

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Pearland, Texas 77588

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BARGE "CBC 310"

1 PORT 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	219,808	0	205,120	0	189,505	0	173,889	0	158,195	0	142,492	0	126,788	0	111,081
1/4		1/4		1/4	219,643	1/4	204,795	1/4	189,179	1/4	173,564	1/4	157,867	1/4	142,165	1/4	126,460	1/4	110,754
1/2		1/2		1/2	219,423	1/2	204,469	1/2	188,854	1/2	173,238	1/2	157,540	1/2	141,837	1/2	126,133	1/2	110,426
3/4		3/4		3/4	219,203	3/4	204,144	3/4	188,529	3/4	172,913	3/4	157,213	3/4	141,510	3/4	125,806	3/4	110,099
1		1		1	218,984	1	203,819	1	188,203	1	172,587	1	156,886	1	141,183	1	125,479	1	109,772
1/4		1/4		1/4	218,764	1/4	203,493	1/4	187,878	1/4	172,262	1/4	156,559	1/4	140,856	1/4	125,151	1/4	109,445
1/2		1/2		1/2	218,491	1/2	203,168	1/2	187,553	1/2	171,935	1/2	156,232	1/2	140,529	1/2	124,824	1/2	109,118
3/4		3/4		3/4	218,218	3/4	202,843	3/4	187,227	3/4	171,608	3/4	155,905	3/4	140,202	3/4	124,497	3/4	108,790
2		2		2	217,945	2	202,517	2	186,902	2	171,280	2	155,577	2	139,875	2	124,170	2	108,463
1/4		1/4		1/4	217,672	1/4	202,192	1/4	186,577	1/4	170,953	1/4	155,250	1/4	139,547	1/4	123,843	1/4	108,136
1/2		1/2		1/2	217,358	1/2	201,867	1/2	186,251	1/2	170,626	1/2	154,923	1/2	139,220	1/2	123,515	1/2	107,809
3/4		3/4		3/4	217,045	3/4	201,542	3/4	185,926	3/4	170,299	3/4	154,596	3/4	138,893	3/4	123,188	3/4	107,481
3		3		3	216,732	3	201,216	3	185,601	3	169,972	3	154,269	3	138,566	3	122,861	3	107,154
1/4		1/4		1/4	216,418	1/4	200,891	1/4	185,276	1/4	169,645	1/4	153,942	1/4	138,239	1/4	122,534	1/4	106,827
1/2		1/2		1/2	216,099	1/2	200,566	1/2	184,950	1/2	169,318	1/2	153,615	1/2	137,912	1/2	122,206	1/2	106,500
3/4		3/4		3/4	215,780	3/4	200,240	3/4	184,625	3/4	168,990	3/4	153,287	3/4	137,585	3/4	121,879	3/4	106,173
4		4		4	215,461	4	199,915	4	184,300	4	168,663	4	152,960	4	137,257	4	121,552	4	105,845
1/4		1/4		1/4	215,142	1/4	199,590	1/4	183,974	1/4	168,336	1/4	152,633	1/4	136,930	1/4	121,225	1/4	105,518
1/2		1/2		1/2	214,821	1/2	199,264	1/2	183,649	1/2	168,009	1/2	152,306	1/2	136,603	1/2	120,898	1/2	105,191
3/4		3/4		3/4	214,501	3/4	198,939	3/4	183,324	3/4	167,682	3/4	151,979	3/4	136,276	3/4	120,570	3/4	104,864
5		5		5	214,180	5	198,614	5	182,998	5	167,355	5	151,652	5	135,949	5	120,243	5	104,536
1/4		1/4		1/4	213,860	1/4	198,288	1/4	182,673	1/4	167,028	1/4	151,325	1/4	135,622	1/4	119,916	1/4	104,209
1/2		1/2		1/2	213,539	1/2	197,963	1/2	182,348	1/2	166,700	1/2	150,997	1/2	135,295	1/2	119,589	1/2	103,882
3/4		3/4		3/4	213,218	3/4	197,638	3/4	182,022	3/4	166,373	3/4	150,670	3/4	134,967	3/4	119,261	3/4	103,555
6		6		6	212,896	6	197,312	6	181,697	6	166,046	6	150,343	6	134,640	6	118,934	6	103,228
1/4		1/4		1/4	212,575	1/4	196,987	1/4	181,372	1/4	165,719	1/4	150,016	1/4	134,313	1/4	118,607	1/4	102,900
1/2		1/2		1/2	212,254	1/2	196,662	1/2	181,046	1/2	165,392	1/2	149,689	1/2	133,986	1/2	118,280	1/2	102,573
3/4		3/4		3/4	211,932	3/4	196,336	3/4	180,721	3/4	165,065	3/4	149,362	3/4	133,659	3/4	117,953	3/4	102,246
7		7		7	211,610	7	196,011	7	180,396	7	164,738	7	149,035	7	133,332	7	117,625	7	101,919
1/4		1/4		1/4	211,289	1/4	195,686	1/4	180,070	1/4	164,410	1/4	148,707	1/4	133,004	1/4	117,298	1/4	101,591
1/2		1/2		1/2	210,967	1/2	195,360	1/2	179,745	1/2	164,083	1/2	148,380	1/2	132,677	1/2	116,971	1/2	101,264
3/4		3/4		3/4	210,644	3/4	195,035	3/4	179,420	3/4	163,756	3/4	148,053	3/4	132,350	3/4	116,644	3/4	100,937
8		8		8	210,322	8	194,710	8	179,094	8	163,429	8	147,726	8	132,023	8	116,316	8	100,610
1/4		1/4		1/4	210,000	1/4	194,384	1/4	178,769	1/4	163,102	1/4	147,399	1/4	131,696	1/4	115,989	1/4	100,283
1/2		1/2		1/2	209,674	1/2	194,059	1/2	178,444	1/2	162,775	1/2	147,072	1/2	131,369	1/2	115,662	1/2	99,955
3/4		3/4		3/4	209,349	3/4	193,734	3/4	178,118	3/4	162,447	3/4	146,745	3/4	131,041	3/4	115,335	3/4	99,628
9		9		9	209,024	9	193,409	9	177,793	9	162,120	9	146,417	9	130,714	9	115,008	9	99,301
1/4		1/4		1/4	208,699	1/4	193,083	1/4	177,468	1/4	161,793	1/4	146,090	1/4	130,387	1/4	114,680	1/4	98,974
1/2		1/2		1/2	208,373	1/2	192,758	1/2	177,143	1/2	161,466	1/2	145,763	1/2	130,060	1/2	114,353	1/2	98,646
3/4		3/4		3/4	208,048	3/4	192,433	3/4	176,817	3/4	161,139	3/4	145,436	3/4	129,733	3/4	114,026	3/4	98,319
10		10		10	207,723	10	192,107	10	176,492	10	160,812	10	145,109	10	129,405	10	113,699	10	97,992
1/4		1/4		1/4	207,397	1/4	191,782	1/4	176,167	1/4	160,485	1/4	144,782	1/4	129,078	1/4	113,371	1/4	97,665
1/2		1/2		1/2	207,072	1/2	191,457	1/2	175,841	1/2	160,157	1/2	144,455	1/2	128,751	1/2	113,044	1/2	97,338
3/4		3/4		3/4	206,747	3/4	191,131	3/4	175,516	3/4	159,830	3/4	144,127	3/4	128,424	3/4	112,717	3/4	97,010
11		11		11	206,421	11	190,806	11	175,191	11	159,503	11	143,800	11	128,096	11	112,390	11	96,683
1/4		1/4		1/4	206,096	1/4	190,481	1/4	174,865	1/4	159,176	1/4	143,473	1/4	127,769	1/4	112,063	1/4	96,356
1/2		1/2		1/2	205,771	1/2	190,155	1/2	174,540	1/2	158,849	1/2	143,146	1/2	127,442	1/2	111,735	1/2	96,029
3/4		3/4		3/4	219,973	3/4	205,445	3/4	189,830	3/4	174,215	3/4	158,522	3/4	142,819	3/4	111,408	3/4	95,701

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'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 310"

1 PORT 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	95,374	0	79,668	0	63,961	0	48,254	0	32,652	0	17,189	0	3,283	0		0		0	
1/4	95,047	1/4	79,340	1/4	63,634	1/4	47,927	1/4	32,327	1/4	16,878	1/4	3,013	1/4	1/4	1/4		1/4	
1/2	94,720	1/2	79,013	1/2	63,306	1/2	47,600	1/2	32,000	1/2	16,570	1/2	2,753	1/2	1/2	1/2		1/2	
3/4	94,393	3/4	78,686	3/4	62,979	3/4	47,273	3/4	31,672	3/4	16,263	3/4	2,493	3/4	3/4	3/4		3/4	
1	94,065	1	78,359	1	62,652	1	46,947	1	31,345	1	15,955	1	2,232	1		1		1	
1/4	93,738	1/4	78,031	1/4	62,325	1/4	46,620	1/4	31,018	1/4	15,647	1/4	1,972	1/4	1/4	1/4		1/4	
1/2	93,411	1/2	77,704	1/2	61,998	1/2	46,293	1/2	30,691	1/2	15,343	1/2	1,760	1/2	1/2	1/2		1/2	
3/4	93,084	3/4	77,377	3/4	61,670	3/4	45,967	3/4	30,363	3/4	15,039	3/4	1,548	3/4	3/4	3/4		3/4	
2	92,756	2	77,050	2	61,343	2	45,640	2	30,036	2	14,735	2	1,336	2		2		2	
1/4	92,429	1/4	76,723	1/4	61,016	1/4	45,314	1/4	29,709	1/4	14,430	1/4	1,123	1/4	1/4	1/4		1/4	
1/2	92,102	1/2	76,395	1/2	60,689	1/2	44,989	1/2	29,382	1/2	14,130	1/2	989	1/2	1/2	1/2		1/2	
3/4	91,775	3/4	76,068	3/4	60,361	3/4	44,665	3/4	29,055	3/4	13,829	3/4	854	3/4	3/4	3/4		3/4	
3	91,448	3	75,741	3	60,034	3	44,340	3	28,727	3	13,528	3	719	3		3		3	
1/4	91,120	1/4	75,414	1/4	59,707	1/4	44,016	1/4	28,400	1/4	13,227	1/4	584	1/4	1/4	1/4		1/4	
1/2	90,793	1/2	75,086	1/2	59,380	1/2	43,691	1/2	28,073	1/2	12,930	1/2		1/2	1/2	1/2		1/2	
3/4	90,466	3/4	74,759	3/4	59,053	3/4	43,367	3/4	27,746	3/4	12,632	3/4		3/4	3/4	3/4		3/4	
4	90,139	4	74,432	4	58,725	4	43,042	4	27,419	4	12,335	4		4		4		4	
1/4	89,811	1/4	74,105	1/4	58,398	1/4	42,718	1/4	27,091	1/4	12,037	1/4		1/4	1/4	1/4		1/4	
1/2	89,484	1/2	73,778	1/2	58,071	1/2	42,393	1/2	26,764	1/2	11,743	1/2		1/2	1/2	1/2		1/2	
3/4	89,157	3/4	73,450	3/4	57,744	3/4	42,069	3/4	26,437	3/4	11,449	3/4		3/4	3/4	3/4		3/4	
5	88,830	5	73,123	5	57,416	5	41,744	5	26,110	5	11,155	5		5		5		5	
1/4	88,503	1/4	72,796	1/4	57,089	1/4	41,420	1/4	25,783	1/4	10,861	1/4		1/4	1/4	1/4		1/4	
1/2	88,175	1/2	72,469	1/2	56,762	1/2	41,095	1/2	25,456	1/2	10,571	1/2		1/2	1/2	1/2		1/2	
3/4	87,848	3/4	72,141	3/4	56,435	3/4	40,771	3/4	25,130	3/4	10,280	3/4		3/4	3/4	3/4		3/4	
6	87,521	6	71,814	6	56,108	6	40,446	6	24,804	6	9,990	6		6		6		6	
1/4	87,194	1/4	71,487	1/4	55,780	1/4	40,122	1/4	24,478	1/4	9,699	1/4		1/4	1/4	1/4		1/4	
1/2	86,866	1/2	71,160	1/2	55,453	1/2	39,797	1/2	24,160	1/2	9,412	1/2		1/2	1/2	1/2		1/2	
3/4	86,539	3/4	70,833	3/4	55,126	3/4	39,473	3/4	23,841	3/4	9,125	3/4		3/4	3/4	3/4		3/4	
7	86,212	7	70,505	7	54,799	7	39,148	7	23,523	7	8,837	7		7		7		7	
1/4	85,885	1/4	70,178	1/4	54,471	1/4	38,824	1/4	23,204	1/4	8,550	1/4		1/4	1/4	1/4		1/4	
1/2	85,558	1/2	69,851	1/2	54,144	1/2	38,499	1/2	22,887	1/2	8,266	1/2		1/2	1/2	1/2		1/2	
3/4	85,230	3/4	69,524	3/4	53,817	3/4	38,175	3/4	22,570	3/4	7,983	3/4		3/4	3/4	3/4		3/4	
8	84,903	8	69,196	8	53,490	8	37,850	8	22,253	8	7,699	8		8		8		8	
1/4	84,576	1/4	68,869	1/4	53,163	1/4	37,526	1/4	21,936	1/4	7,415	1/4		1/4	1/4	1/4		1/4	
1/2	84,249	1/2	68,542	1/2	52,835	1/2	37,201	1/2	21,615	1/2	7,135	1/2		1/2	1/2	1/2		1/2	
3/4	83,921	3/4	68,215	3/4	52,508	3/4	36,877	3/4	21,294	3/4	6,854	3/4		3/4	3/4	3/4		3/4	
9	83,594	9	67,888	9	52,181	9	36,552	9	20,972	9	6,574	9		9		9		9	
1/4	83,267	1/4	67,560	1/4	51,854	1/4	36,228	1/4	20,651	1/4	6,293	1/4		1/4	1/4	1/4		1/4	
1/2	82,940	1/2	67,233	1/2	51,526	1/2	35,903	1/2	20,333	1/2	6,016	1/2		1/2	1/2	1/2		1/2	
3/4	82,613	3/4	66,906	3/4	51,199	3/4	35,579	3/4	20,015	3/4	5,739	3/4		3/4	3/4	3/4		3/4	
10	82,285	10	66,579	10	50,872	10	35,254	10	19,698	10	5,462	10		10		10		10	
1/4	81,958	1/4	66,251	1/4	50,545	1/4	34,929	1/4	19,380	1/4	5,185	1/4		1/4	1/4	1/4		1/4	
1/2	81,631	1/2	65,924	1/2	50,218	1/2	34,604	1/2	19,065	1/2	4,912	1/2		1/2	1/2	1/2		1/2	
3/4	81,304	3/4	65,597	3/4	49,890	3/4	34,279	3/4	18,751	3/4	4,639	3/4		3/4	3/4	3/4		3/4	
11	80,976	11	65,270	11	49,563	11	33,954	11	18,436	11	4,365	11		11		11		11	
1/4	80,649	1/4	64,943	1/4	49,236	1/4	33,629	1/4	18,122	1/4	4,092	1/4		1/4	1/4	1/4		1/4	
1/2	80,322	1/2	64,615	1/2	48,909	1/2	33,303	1/2	17,811	1/2	3,822	1/2		1/2	1/2	1/2		1/2	
3/4	79,995	3/4	64,288	3/4	48,582	3/4	32,978	3/4	17,500	3/4	3,552	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/21/2013 CL - SW
CALCULATED: 01/21/2013 CL
PRINTED: 01/21/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "CBC 310"

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	219,869	0	205,181	0	189,566	0	173,950	0	158,256	0	142,553	0	126,848	0	111,142
1/4		1/4		1/4	219,704	1/4	204,856	1/4	189,240	1/4	173,625	1/4	157,928	1/4	142,225	1/4	126,521	1/4	110,815
1/2		1/2		1/2	219,484	1/2	204,530	1/2	188,915	1/2	173,299	1/2	157,601	1/2	141,898	1/2	126,194	1/2	110,487
3/4		3/4		3/4	219,264	3/4	204,205	3/4	188,590	3/4	172,974	3/4	157,274	3/4	141,571	3/4	125,867	3/4	110,160
1		1		1	219,045	1	203,880	1	188,264	1	172,648	1	156,947	1	141,244	1	125,540	1	109,833
1/4		1/4		1/4	218,825	1/4	203,554	1/4	187,939	1/4	172,323	1/4	156,620	1/4	140,917	1/4	125,212	1/4	109,506
1/2		1/2		1/2	218,552	1/2	203,229	1/2	187,614	1/2	171,996	1/2	156,293	1/2	140,590	1/2	124,885	1/2	109,178
3/4		3/4		3/4	218,279	3/4	202,904	3/4	187,288	3/4	171,668	3/4	155,966	3/4	140,263	3/4	124,558	3/4	108,851
2		2		2	218,006	2	202,578	2	186,963	2	171,341	2	155,638	2	139,935	2	124,231	2	108,524
1/4		1/4		1/4	217,733	1/4	202,253	1/4	186,638	1/4	171,014	1/4	155,311	1/4	139,608	1/4	123,903	1/4	108,197
1/2		1/2		1/2	217,419	1/2	201,928	1/2	186,312	1/2	170,687	1/2	154,984	1/2	139,281	1/2	123,576	1/2	107,870
3/4		3/4		3/4	217,106	3/4	201,602	3/4	185,987	3/4	170,360	3/4	154,657	3/4	138,954	3/4	123,249	3/4	107,542
3		3		3	216,793	3	201,277	3	185,662	3	170,033	3	154,330	3	138,627	3	122,922	3	107,215
1/4		1/4		1/4	216,479	1/4	200,952	1/4	185,336	1/4	169,706	1/4	154,003	1/4	138,300	1/4	122,595	1/4	106,888
1/2		1/2		1/2	216,160	1/2	200,626	1/2	185,011	1/2	169,378	1/2	153,676	1/2	137,973	1/2	122,267	1/2	106,561
3/4		3/4		3/4	215,841	3/4	200,301	3/4	184,686	3/4	169,051	3/4	153,348	3/4	137,645	3/4	121,940	3/4	106,233
4		4		4	215,522	4	199,976	4	184,361	4	168,724	4	153,021	4	137,318	4	121,613	4	105,906
1/4		1/4		1/4	215,202	1/4	199,651	1/4	184,035	1/4	168,397	1/4	152,694	1/4	136,991	1/4	121,286	1/4	105,579
1/2		1/2		1/2	214,882	1/2	199,325	1/2	183,710	1/2	168,070	1/2	152,367	1/2	136,664	1/2	120,958	1/2	105,252
3/4		3/4		3/4	214,562	3/4	199,000	3/4	183,385	3/4	167,743	3/4	152,040	3/4	136,337	3/4	120,631	3/4	104,925
5		5		5	214,241	5	198,675	5	183,059	5	167,416	5	151,713	5	136,010	5	120,304	5	104,597
1/4		1/4		1/4	213,921	1/4	198,349	1/4	182,734	1/4	167,088	1/4	151,386	1/4	135,683	1/4	119,977	1/4	104,270
1/2		1/2		1/2	213,600	1/2	198,024	1/2	182,409	1/2	166,761	1/2	151,058	1/2	135,355	1/2	119,650	1/2	103,943
3/4		3/4		3/4	213,278	3/4	197,699	3/4	182,083	3/4	166,434	3/4	150,731	3/4	135,028	3/4	119,322	3/4	103,616
6		6		6	212,957	6	197,373	6	181,758	6	166,107	6	150,404	6	134,701	6	118,995	6	103,288
1/4		1/4		1/4	212,636	1/4	197,048	1/4	181,433	1/4	165,780	1/4	150,077	1/4	134,374	1/4	118,668	1/4	102,961
1/2		1/2		1/2	212,315	1/2	196,723	1/2	181,107	1/2	165,453	1/2	149,750	1/2	134,047	1/2	118,341	1/2	102,634
3/4		3/4		3/4	211,993	3/4	196,397	3/4	180,782	3/4	165,126	3/4	149,423	3/4	133,720	3/4	118,013	3/4	102,307
7		7		7	211,671	7	196,072	7	180,457	7	164,798	7	149,096	7	133,393	7	117,686	7	101,980
1/4		1/4		1/4	211,350	1/4	195,747	1/4	180,131	1/4	164,471	1/4	148,768	1/4	133,065	1/4	117,359	1/4	101,652
1/2		1/2		1/2	211,027	1/2	195,421	1/2	179,806	1/2	164,144	1/2	148,441	1/2	132,738	1/2	117,032	1/2	101,325
3/4		3/4		3/4	210,705	3/4	195,096	3/4	179,481	3/4	163,817	3/4	148,114	3/4	132,411	3/4	116,705	3/4	100,998
8		8		8	210,383	8	194,771	8	179,155	8	163,490	8	147,787	8	132,084	8	116,377	8	100,671
1/4		1/4		1/4	210,061	1/4	194,445	1/4	178,830	1/4	163,163	1/4	147,460	1/4	131,757	1/4	116,050	1/4	100,343
1/2		1/2		1/2	209,735	1/2	194,120	1/2	178,505	1/2	162,836	1/2	147,133	1/2	131,430	1/2	115,723	1/2	100,016
3/4		3/4		3/4	209,410	3/4	193,795	3/4	178,179	3/4	162,508	3/4	146,806	3/4	131,102	3/4	115,396	3/4	99,689
9		9		9	209,085	9	193,469	9	177,854	9	162,181	9	146,478	9	130,775	9	115,068	9	99,362
1/4		1/4		1/4	208,759	1/4	193,144	1/4	177,529	1/4	161,854	1/4	146,151	1/4	130,448	1/4	114,741	1/4	99,035
1/2		1/2		1/2	208,434	1/2	192,819	1/2	177,203	1/2	161,527	1/2	145,824	1/2	130,121	1/2	114,414	1/2	98,707
3/4		3/4		3/4	208,109	3/4	192,493	3/4	176,878	3/4	161,200	3/4	145,497	3/4	129,793	3/4	114,087	3/4	98,380
10		10		10	207,784	10	192,168	10	176,553	10	160,873	10	145,170	10	129,466	10	113,760	10	98,053
1/4		1/4		1/4	207,458	1/4	191,843	1/4	176,228	1/4	160,546	1/4	144,843	1/4	129,139	1/4	113,432	1/4	97,726
1/2		1/2		1/2	207,133	1/2	191,518	1/2	175,902	1/2	160,218	1/2	144,515	1/2	128,812	1/2	113,105	1/2	97,398
3/4		3/4		3/4	206,808	3/4	191,192	3/4	175,577	3/4	159,891	3/4	144,188	3/4	128,485	3/4	112,778	3/4	97,071
11		11		11	206,482	11	190,867	11	175,252	11	159,564	11	143,861	11	128,157	11	112,451	11	96,744
1/4		1/4		1/4	206,157	1/4	190,542	1/4	174,926	1/4	159,237	1/4	143,534	1/4	127,830	1/4	112,123	1/4	96,417
1/2		1/2		1/2	205,832	1/2	190,216	1/2	174,601	1/2	158,910	1/2	143,207	1/2	127,503	1/2	111,796	1/2	96,090
3/4		3/4		3/4	220,034	3/4	205,506	3/4	189,891	3/4	174,276	3/4	158,583	3/4	142,880	3/4	127,176	3/4	95,762

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'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "CBC 310"

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	95,435	0	79,728	0	64,022	0	48,315	0	32,650	0	17,189	0	3,283	0		0		0	
1/4	95,108	1/4	79,401	1/4	63,695	1/4	47,988	1/4	32,323	1/4	16,878	1/4	3,013	1/4	1/4	1/4		1/4	
1/2	94,781	1/2	79,074	1/2	63,367	1/2	47,661	1/2	31,996	1/2	16,570	1/2	2,753	1/2	1/2	1/2		1/2	
3/4	94,453	3/4	78,747	3/4	63,040	3/4	47,334	3/4	31,669	3/4	16,262	3/4	2,493	3/4	3/4	3/4		3/4	
1	94,126	1	78,420	1	62,713	1	47,008	1	31,343	1	15,955	1	2,232	1		1		1	
1/4	93,799	1/4	78,092	1/4	62,386	1/4	46,681	1/4	31,016	1/4	15,647	1/4	1,972	1/4	1/4	1/4		1/4	
1/2	93,472	1/2	77,765	1/2	62,058	1/2	46,354	1/2	30,689	1/2	15,343	1/2	1,760	1/2	1/2	1/2		1/2	
3/4	93,145	3/4	77,438	3/4	61,731	3/4	46,027	3/4	30,362	3/4	15,039	3/4	1,548	3/4	3/4	3/4		3/4	
2	92,817	2	77,111	2	61,404	2	45,700	2	30,036	2	14,734	2	1,335	2		2		2	
1/4	92,490	1/4	76,783	1/4	61,077	1/4	45,374	1/4	29,709	1/4	14,430	1/4	1,123	1/4	1/4	1/4		1/4	
1/2	92,163	1/2	76,456	1/2	60,750	1/2	45,047	1/2	29,382	1/2	14,129	1/2	989	1/2	1/2	1/2		1/2	
3/4	91,836	3/4	76,129	3/4	60,422	3/4	44,721	3/4	29,054	3/4	13,828	3/4	854	3/4	3/4	3/4		3/4	
3	91,508	3	75,802	3	60,095	3	44,394	3	28,727	3	13,528	3	719	3		3		3	
1/4	91,181	1/4	75,475	1/4	59,768	1/4	44,068	1/4	28,400	1/4	13,227	1/4	584	1/4	1/4	1/4		1/4	
1/2	90,854	1/2	75,147	1/2	59,441	1/2	43,741	1/2	28,073	1/2	12,929	1/2		1/2	1/2	1/2		1/2	
3/4	90,527	3/4	74,820	3/4	59,113	3/4	43,415	3/4	27,745	3/4	12,632	3/4		3/4	3/4	3/4		3/4	
4	90,200	4	74,493	4	58,786	4	43,088	4	27,418	4	12,335	4		4		4		4	
1/4	89,872	1/4	74,166	1/4	58,459	1/4	42,762	1/4	27,091	1/4	12,037	1/4		1/4	1/4	1/4		1/4	
1/2	89,545	1/2	73,838	1/2	58,132	1/2	42,436	1/2	26,764	1/2	11,743	1/2		1/2	1/2	1/2		1/2	
3/4	89,218	3/4	73,511	3/4	57,805	3/4	42,110	3/4	26,437	3/4	11,449	3/4		3/4	3/4	3/4		3/4	
5	88,891	5	73,184	5	57,477	5	41,784	5	26,109	5	11,155	5		5		5		5	
1/4	88,563	1/4	72,857	1/4	57,150	1/4	41,458	1/4	25,782	1/4	10,861	1/4		1/4	1/4	1/4		1/4	
1/2	88,236	1/2	72,530	1/2	56,823	1/2	41,132	1/2	25,456	1/2	10,571	1/2		1/2	1/2	1/2		1/2	
3/4	87,909	3/4	72,202	3/4	56,496	3/4	40,806	3/4	25,130	3/4	10,280	3/4		3/4	3/4	3/4		3/4	
6	87,582	6	71,875	6	56,168	6	40,480	6	24,804	6	9,989	6		6		6		6	
1/4	87,255	1/4	71,548	1/4	55,841	1/4	40,154	1/4	24,478	1/4	9,699	1/4		1/4	1/4	1/4		1/4	
1/2	86,927	1/2	71,221	1/2	55,514	1/2	39,828	1/2	24,159	1/2	9,412	1/2		1/2	1/2	1/2		1/2	
3/4	86,600	3/4	70,893	3/4	55,187	3/4	39,502	3/4	23,841	3/4	9,124	3/4		3/4	3/4	3/4		3/4	
7	86,273	7	70,566	7	54,860	7	39,176	7	23,523	7	8,837	7		7		7		7	
1/4	85,946	1/4	70,239	1/4	54,532	1/4	38,850	1/4	23,204	1/4	8,550	1/4		1/4	1/4	1/4		1/4	
1/2	85,618	1/2	69,912	1/2	54,205	1/2	38,523	1/2	22,887	1/2	8,266	1/2		1/2	1/2	1/2		1/2	
3/4	85,291	3/4	69,585	3/4	53,878	3/4	38,197	3/4	22,570	3/4	7,982	3/4		3/4	3/4	3/4		3/4	
8	84,964	8	69,257	8	53,551	8	37,871	8	22,253	8	7,699	8		8		8		8	
1/4	84,637	1/4	68,930	1/4	53,223	1/4	37,545	1/4	21,936	1/4	7,415	1/4		1/4	1/4	1/4		1/4	
1/2	84,310	1/2	68,603	1/2	52,896	1/2	37,219	1/2	21,615	1/2	7,134	1/2		1/2	1/2	1/2		1/2	
3/4	83,982	3/4	68,276	3/4	52,569	3/4	36,893	3/4	21,293	3/4	6,854	3/4		3/4	3/4	3/4		3/4	
9	83,655	9	67,948	9	52,242	9	36,567	9	20,972	9	6,574	9		9		9		9	
1/4	83,328	1/4	67,621	1/4	51,915	1/4	36,241	1/4	20,651	1/4	6,293	1/4		1/4	1/4	1/4		1/4	
1/2	83,001	1/2	67,294	1/2	51,587	1/2	35,915	1/2	20,333	1/2	6,016	1/2		1/2	1/2	1/2		1/2	
3/4	82,673	3/4	66,967	3/4	51,260	3/4	35,589	3/4	20,015	3/4	5,739	3/4		3/4	3/4	3/4		3/4	
10	82,346	10	66,640	10	50,933	10	35,263	10	19,697	10	5,462	10		10		10		10	
1/4	82,019	1/4	66,312	1/4	50,606	1/4	34,937	1/4	19,379	1/4	5,185	1/4		1/4	1/4	1/4		1/4	
1/2	81,692	1/2	65,985	1/2	50,278	1/2	34,610	1/2	19,065	1/2	4,912	1/2		1/2	1/2	1/2		1/2	
3/4	81,365	3/4	65,658	3/4	49,951	3/4	34,283	3/4	18,751	3/4	4,638	3/4		3/4	3/4	3/4		3/4	
11	81,037	11	65,331	11	49,624	11	33,957	11	18,436	11	4,365	11		11		11		11	
1/4	80,710	1/4	65,003	1/4	49,297	1/4	33,630	1/4	18,122	1/4	4,091	1/4		1/4	1/4	1/4		1/4	
1/2	80,383	1/2	64,676	1/2	48,970	1/2	33,303	1/2	17,811	1/2	3,822	1/2		1/2	1/2	1/2		1/2	
3/4	80,056	3/4	64,349	3/4	48,642	3/4	32,976	3/4	17,500	3/4	3,552	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/21/2013 CL - SW
CALCULATED: 01/21/2013 CL
PRINTED: 01/21/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2013

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



BARGE "CBC 310"

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	201,042	0	185,985	0	170,929	0	155,797	0	140,653	0	125,508	0	110,361
1/4		1/4		1/4		1/4	214,732	1/4	200,728	1/4	185,672	1/4	170,615	1/4	155,482	1/4	140,338	1/4	125,193
1/2		1/2		1/2		1/2	214,573	1/2	200,414	1/2	185,358	1/2	170,302	1/2	155,166	1/2	140,022	1/2	124,877
3/4		3/4		3/4		3/4	214,413	3/4	200,101	3/4	185,044	3/4	169,988	3/4	154,851	3/4	139,707	3/4	124,562
1		1		1		1	214,202	1	199,787	1	184,731	1	169,674	1	154,535	1	139,391	1	124,246
1/4		1/4		1/4		1/4	213,990	1/4	199,473	1/4	184,417	1/4	169,360	1/4	154,220	1/4	139,076	1/4	123,931
1/2		1/2		1/2		1/2	213,778	1/2	199,160	1/2	184,103	1/2	169,046	1/2	153,904	1/2	138,760	1/2	123,615
3/4		3/4		3/4		3/4	213,567	3/4	198,846	3/4	183,790	3/4	168,732	3/4	153,589	3/4	138,445	3/4	123,299
2		2		2		2	213,304	2	198,532	2	183,476	2	168,417	2	153,273	2	138,129	2	122,984
1/4		1/4		1/4		1/4	213,040	1/4	198,219	1/4	183,162	1/4	168,101	1/4	152,958	1/4	137,814	1/4	122,668
1/2		1/2		1/2		1/2	212,777	1/2	197,905	1/2	182,849	1/2	167,786	1/2	152,642	1/2	137,498	1/2	122,353
3/4		3/4		3/4		3/4	212,514	3/4	197,591	3/4	182,535	3/4	167,470	3/4	152,327	3/4	137,183	3/4	122,037
3		3		3		3	212,212	3	197,278	3	182,221	3	167,155	3	152,011	3	136,867	3	121,721
1/4		1/4		1/4		1/4	211,910	1/4	196,964	1/4	181,908	1/4	166,839	1/4	151,696	1/4	136,552	1/4	121,406
1/2		1/2		1/2		1/2	211,608	1/2	196,650	1/2	181,594	1/2	166,524	1/2	151,380	1/2	136,236	1/2	121,090
3/4		3/4		3/4		3/4	211,306	3/4	196,337	3/4	181,280	3/4	166,209	3/4	151,065	3/4	135,921	3/4	120,775
4		4		4		4	210,998	4	196,023	4	180,967	4	165,893	4	150,749	4	135,605	4	120,459
1/4		1/4		1/4		1/4	210,691	1/4	195,709	1/4	180,653	1/4	165,578	1/4	150,434	1/4	135,290	1/4	120,144
1/2		1/2		1/2		1/2	210,383	1/2	195,396	1/2	180,339	1/2	165,262	1/2	150,118	1/2	134,974	1/2	119,828
3/4		3/4		3/4		3/4	210,075	3/4	195,082	3/4	180,026	3/4	164,947	3/4	149,803	3/4	134,659	3/4	119,512
5		5		5		5	209,766	5	194,768	5	179,712	5	164,631	5	149,487	5	134,343	5	119,197
1/4		1/4		1/4		1/4	209,458	1/4	194,455	1/4	179,398	1/4	164,316	1/4	149,172	1/4	134,028	1/4	118,881
1/2		1/2		1/2		1/2	209,149	1/2	194,141	1/2	179,085	1/2	164,000	1/2	148,856	1/2	133,712	1/2	118,566
3/4		3/4		3/4		3/4	208,840	3/4	193,827	3/4	178,771	3/4	163,685	3/4	148,541	3/4	133,397	3/4	118,250
6		6		6		6	208,530	6	193,514	6	178,457	6	163,369	6	148,225	6	133,081	6	117,935
1/4		1/4		1/4		1/4	208,221	1/4	193,200	1/4	178,144	1/4	163,054	1/4	147,910	1/4	132,766	1/4	117,619
1/2		1/2		1/2		1/2	207,911	1/2	192,886	1/2	177,830	1/2	162,738	1/2	147,594	1/2	132,450	1/2	117,303
3/4		3/4		3/4		3/4	207,602	3/4	192,573	3/4	177,516	3/4	162,423	3/4	147,279	3/4	132,135	3/4	116,988
7		7		7		7	207,292	7	192,259	7	177,203	7	162,107	7	146,963	7	131,819	7	116,672
1/4		1/4		1/4		1/4	206,982	1/4	191,945	1/4	176,889	1/4	161,792	1/4	146,648	1/4	131,504	1/4	116,357
1/2		1/2		1/2		1/2	206,672	1/2	191,632	1/2	176,575	1/2	161,476	1/2	146,332	1/2	131,188	1/2	116,041
3/4		3/4		3/4		3/4	206,362	3/4	191,318	3/4	176,262	3/4	161,161	3/4	146,017	3/4	130,873	3/4	115,726
8		8		8		8	206,051	8	191,004	8	175,948	8	160,845	8	145,701	8	130,557	8	115,410
1/4		1/4		1/4		1/4	205,741	1/4	190,691	1/4	175,634	1/4	160,530	1/4	145,386	1/4	130,242	1/4	115,094
1/2		1/2		1/2		1/2	205,430	1/2	190,377	1/2	175,321	1/2	160,214	1/2	145,070	1/2	129,926	1/2	114,779
3/4		3/4		3/4		3/4	205,120	3/4	190,063	3/4	175,007	3/4	159,899	3/4	144,755	3/4	129,611	3/4	114,463
9		9		9		9	204,806	9	189,750	9	174,693	9	159,583	9	144,439	9	129,295	9	114,148
1/4		1/4		1/4		1/4	204,492	1/4	189,436	1/4	174,380	1/4	159,268	1/4	144,124	1/4	128,980	1/4	113,832
1/2		1/2		1/2		1/2	204,178	1/2	189,122	1/2	174,066	1/2	158,952	1/2	143,808	1/2	128,664	1/2	113,517
3/4		3/4		3/4		3/4	203,865	3/4	188,808	3/4	173,752	3/4	158,637	3/4	143,493	3/4	128,349	3/4	113,201
10		10		10		10	203,551	10	188,495	10	173,438	10	158,321	10	143,177	10	128,033	10	112,885
1/4		1/4		1/4		1/4	203,237	1/4	188,181	1/4	173,125	1/4	158,006	1/4	142,862	1/4	127,717	1/4	112,570
1/2		1/2		1/2		1/2	202,924	1/2	187,867	1/2	172,811	1/2	157,690	1/2	142,546	1/2	127,402	1/2	112,254
3/4		3/4		3/4		3/4	202,610	3/4	187,554	3/4	172,497	3/4	157,375	3/4	142,231	3/4	127,086	3/4	111,939
11		11		11		11	202,296	11	187,240	11	172,184	11	157,059	11	141,915	11	126,771	11	111,623
1/4		1/4		1/4		1/4	201,983	1/4	186,926	1/4	171,870	1/4	156,744	1/4	141,600	1/4	126,455	1/4	111,308
1/2		1/2		1/2		1/2	201,669	1/2	186,613	1/2	171,556	1/2	156,428	1/2	141,284	1/2	126,140	1/2	110,992
3/4		3/4		3/4		3/4	201,355	3/4	186,299	3/4	171,243	3/4	156,113	3/4	140,969	3/4	125,824	3/4	110,676

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'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 310"

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	95,213	0	80,066	0	64,918	0	49,771	0	34,882	0	19,735	0	4,589	0		0		0	
1/4	94,898	1/4	79,750	1/4	64,602	1/4	49,456	1/4	34,567	1/4	19,420	1/4	4,274	1/4	1/4	1/4		1/4	
1/2	94,582	1/2	79,434	1/2	64,287	1/2	49,142	1/2	34,251	1/2	19,104	1/2	3,959	1/2	1/2	1/2		1/2	
3/4	94,266	3/4	79,119	3/4	63,971	3/4	48,827	3/4	33,936	3/4	18,789	3/4	3,644	3/4	3/4	3/4		3/4	
1	93,951	1	78,803	1	63,656	1	48,517	1	33,620	1	18,473	1	3,335	1		1		1	
1/4	93,635	1/4	78,488	1/4	63,340	1/4	48,208	1/4	33,305	1/4	18,157	1/4	3,026	1/4	1/4	1/4		1/4	
1/2	93,320	1/2	78,172	1/2	63,025	1/2	47,899	1/2	32,989	1/2	17,842	1/2	2,716	1/2	1/2	1/2		1/2	
3/4	93,004	3/4	77,857	3/4	62,709	3/4	47,589	3/4	32,673	3/4	17,526	3/4	2,407	3/4	3/4	3/4		3/4	
2	92,689	2	77,541	2	62,393	2	47,280	2	32,358	2	17,211	2	2,141	2		2		2	
1/4	92,373	1/4	77,225	1/4	62,078	1/4	46,971	1/4	32,042	1/4	16,895	1/4	1,874	1/4	1/4	1/4		1/4	
1/2	92,057	1/2	76,910	1/2	61,762	1/2	46,661	1/2	31,727	1/2	16,580	1/2	1,608	1/2	1/2	1/2		1/2	
3/4	91,742	3/4	76,594	3/4	61,447	3/4	46,352	3/4	31,411	3/4	16,264	3/4	1,342	3/4	3/4	3/4		3/4	
3	91,426	3	76,279	3	61,131	3	46,043	3	31,096	3	15,948	3	1,155	3		3		3	
1/4	91,111	1/4	75,963	1/4	60,816	1/4	45,734	1/4	30,780	1/4	15,633	1/4	967	1/4	1/4	1/4		1/4	
1/2	90,795	1/2	75,648	1/2	60,500	1/2	45,425	1/2	30,464	1/2	15,317	1/2	780	1/2	1/2	1/2		1/2	
3/4	90,480	3/4	75,332	3/4	60,184	3/4	45,116	3/4	30,149	3/4	15,002	3/4	593	3/4	3/4	3/4		3/4	
4	90,164	4	75,016	4	59,869	4	44,807	4	29,833	4	14,686	4		4		4		4	
1/4	89,848	1/4	74,701	1/4	59,553	1/4	44,498	1/4	29,518	1/4	14,371	1/4		1/4	1/4	1/4		1/4	
1/2	89,533	1/2	74,385	1/2	59,238	1/2	44,189	1/2	29,202	1/2	14,055	1/2		1/2	1/2	1/2		1/2	
3/4	89,217	3/4	74,070	3/4	58,922	3/4	43,880	3/4	28,887	3/4	13,740	3/4		3/4	3/4	3/4		3/4	
5	88,902	5	73,754	5	58,607	5	43,571	5	28,571	5	13,424	5		5		5		5	
1/4	88,586	1/4	73,439	1/4	58,291	1/4	43,262	1/4	28,256	1/4	13,108	1/4		1/4	1/4	1/4		1/4	
1/2	88,271	1/2	73,123	1/2	57,975	1/2	42,953	1/2	27,940	1/2	12,793	1/2		1/2	1/2	1/2		1/2	
3/4	87,955	3/4	72,807	3/4	57,660	3/4	42,644	3/4	27,624	3/4	12,477	3/4		3/4	3/4	3/4		3/4	
6	87,639	6	72,492	6	57,344	6	42,335	6	27,309	6	12,162	6		6		6		6	
1/4	87,324	1/4	72,176	1/4	57,029	1/4	42,026	1/4	26,993	1/4	11,846	1/4		1/4	1/4	1/4		1/4	
1/2	87,008	1/2	71,861	1/2	56,713	1/2	41,717	1/2	26,678	1/2	11,531	1/2		1/2	1/2	1/2		1/2	
3/4	86,693	3/4	71,545	3/4	56,398	3/4	41,408	3/4	26,362	3/4	11,215	3/4		3/4	3/4	3/4		3/4	
7	86,377	7	71,230	7	56,082	7	41,099	7	26,047	7	10,899	7		7		7		7	
1/4	86,062	1/4	70,914	1/4	55,766	1/4	40,790	1/4	25,731	1/4	10,584	1/4		1/4	1/4	1/4		1/4	
1/2	85,746	1/2	70,598	1/2	55,451	1/2	40,481	1/2	25,415	1/2	10,268	1/2		1/2	1/2	1/2		1/2	
3/4	85,430	3/4	70,283	3/4	55,135	3/4	40,172	3/4	25,100	3/4	9,953	3/4		3/4	3/4	3/4		3/4	
8	85,115	8	69,967	8	54,820	8	39,863	8	24,784	8	9,637	8		8		8		8	
1/4	84,799	1/4	69,652	1/4	54,504	1/4	39,554	1/4	24,469	1/4	9,322	1/4		1/4	1/4	1/4		1/4	
1/2	84,484	1/2	69,336	1/2	54,189	1/2	39,245	1/2	24,153	1/2	9,006	1/2		1/2	1/2	1/2		1/2	
3/4	84,168	3/4	69,021	3/4	53,873	3/4	38,936	3/4	23,838	3/4	8,690	3/4		3/4	3/4	3/4		3/4	
9	83,853	9	68,705	9	53,557	9	38,627	9	23,522	9	8,375	9		9		9		9	
1/4	83,537	1/4	68,389	1/4	53,242	1/4	38,318	1/4	23,206	1/4	8,059	1/4		1/4	1/4	1/4		1/4	
1/2	83,221	1/2	68,074	1/2	52,926	1/2	38,009	1/2	22,891	1/2	7,744	1/2		1/2	1/2	1/2		1/2	
3/4	82,906	3/4	67,758	3/4	52,611	3/4	37,700	3/4	22,575	3/4	7,428	3/4		3/4	3/4	3/4		3/4	
10	82,590	10	67,443	10	52,295	10	37,390	10	22,260	10	7,113	10		10		10		10	
1/4	82,275	1/4	67,127	1/4	51,979	1/4	37,080	1/4	21,944	1/4	6,797	1/4		1/4	1/4	1/4		1/4	
1/2	81,959	1/2	66,812	1/2	51,664	1/2	36,770	1/2	21,629	1/2	6,482	1/2		1/2	1/2	1/2		1/2	
3/4	81,644	3/4	66,496	3/4	51,348	3/4	36,460	3/4	21,313	3/4	6,166	3/4		3/4	3/4	3/4		3/4	
11	81,328	11	66,180	11	51,033	11	36,145	11	20,998	11	5,851	11		11		11		11	
1/4	81,012	1/4	65,865	1/4	50,717	1/4	35,829	1/4	20,682	1/4	5,535	1/4		1/4	1/4	1/4		1/4	
1/2	80,697	1/2	65,549	1/2	50,402	1/2	35,514	1/2	20,366	1/2	5,220	1/2		1/2	1/2	1/2		1/2	
3/4	80,381	3/4	65,234	3/4	50,086	3/4	35,198	3/4	20,051	3/4	4,904	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/21/2013 CL - SW
CALCULATED: 01/21/2013 CL
PRINTED: 01/21/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 310"

2 STBD

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	200,963	0	185,907	0	170,850	0	155,718	0	140,575	0	125,430	0	110,282
1/4		1/4		1/4		1/4	214,653	1/4	200,649	1/4	185,593	1/4	170,537	1/4	155,403	1/4	140,259	1/4	125,114
1/2		1/2		1/2		1/2	214,494	1/2	200,336	1/2	185,279	1/2	170,223	1/2	155,087	1/2	139,944	1/2	124,798
3/4		3/4		3/4		3/4	214,335	3/4	200,022	3/4	184,966	3/4	169,909	3/4	154,772	3/4	139,628	3/4	124,483
1		1		1		1	214,123	1	199,708	1	184,652	1	169,595	1	154,456	1	139,313	1	124,167
1/4		1/4		1/4		1/4	213,911	1/4	199,395	1/4	184,338	1/4	169,282	1/4	154,141	1/4	138,997	1/4	123,852
1/2		1/2		1/2		1/2	213,700	1/2	199,081	1/2	184,025	1/2	168,968	1/2	153,825	1/2	138,682	1/2	123,536
3/4		3/4		3/4		3/4	213,488	3/4	198,767	3/4	183,711	3/4	168,654	3/4	153,510	3/4	138,366	3/4	123,221
2		2		2		2	213,225	2	198,454	2	183,397	2	168,338	2	153,194	2	138,051	2	122,905
1/4		1/4		1/4		1/4	212,962	1/4	198,140	1/4	183,084	1/4	168,023	1/4	152,879	1/4	137,735	1/4	122,589
1/2		1/2		1/2		1/2	212,699	1/2	197,826	1/2	182,770	1/2	167,707	1/2	152,563	1/2	137,420	1/2	122,274
3/4		3/4		3/4		3/4	212,435	3/4	197,513	3/4	182,456	3/4	167,392	3/4	152,248	3/4	137,104	3/4	121,958
3		3		3		3	212,133	3	197,199	3	182,143	3	167,076	3	151,932	3	136,789	3	121,643
1/4		1/4		1/4		1/4	211,831	1/4	196,885	1/4	181,829	1/4	166,761	1/4	151,617	1/4	136,473	1/4	121,327
1/2		1/2		1/2		1/2	211,529	1/2	196,572	1/2	181,515	1/2	166,445	1/2	151,301	1/2	136,158	1/2	121,012
3/4		3/4		3/4		3/4	211,227	3/4	196,258	3/4	181,202	3/4	166,130	3/4	150,986	3/4	135,842	3/4	120,696
4		4		4		4	210,920	4	195,944	4	180,888	4	165,814	4	150,670	4	135,527	4	120,380
1/4		1/4		1/4		1/4	210,612	1/4	195,631	1/4	180,574	1/4	165,499	1/4	150,355	1/4	135,211	1/4	120,065
1/2		1/2		1/2		1/2	210,304	1/2	195,317	1/2	180,261	1/2	165,183	1/2	150,039	1/2	134,896	1/2	119,749
3/4		3/4		3/4		3/4	209,997	3/4	195,003	3/4	179,947	3/4	164,868	3/4	149,724	3/4	134,580	3/4	119,434
5		5		5		5	209,688	5	194,690	5	179,633	5	164,552	5	149,408	5	134,265	5	119,118
1/4		1/4		1/4		1/4	209,379	1/4	194,376	1/4	179,320	1/4	164,237	1/4	149,093	1/4	133,949	1/4	118,803
1/2		1/2		1/2		1/2	209,070	1/2	194,062	1/2	179,006	1/2	163,921	1/2	148,777	1/2	133,634	1/2	118,487
3/4		3/4		3/4		3/4	208,761	3/4	193,749	3/4	178,692	3/4	163,606	3/4	148,462	3/4	133,318	3/4	118,171
6		6		6		6	208,452	6	193,435	6	178,379	6	163,290	6	148,146	6	133,003	6	117,856
1/4		1/4		1/4		1/4	208,142	1/4	193,121	1/4	178,065	1/4	162,975	1/4	147,831	1/4	132,687	1/4	117,540
1/2		1/2		1/2		1/2	207,833	1/2	192,808	1/2	177,751	1/2	162,659	1/2	147,515	1/2	132,372	1/2	117,225
3/4		3/4		3/4		3/4	207,523	3/4	192,494	3/4	177,437	3/4	162,344	3/4	147,200	3/4	132,056	3/4	116,909
7		7		7		7	207,213	7	192,180	7	177,124	7	162,028	7	146,884	7	131,741	7	116,594
1/4		1/4		1/4		1/4	206,903	1/4	191,866	1/4	176,810	1/4	161,713	1/4	146,569	1/4	131,425	1/4	116,278
1/2		1/2		1/2		1/2	206,593	1/2	191,553	1/2	176,496	1/2	161,397	1/2	146,253	1/2	131,110	1/2	115,962
3/4		3/4		3/4		3/4	206,283	3/4	191,239	3/4	176,183	3/4	161,082	3/4	145,938	3/4	130,794	3/4	115,647
8		8		8		8	205,973	8	190,925	8	175,869	8	160,766	8	145,622	8	130,479	8	115,331
1/4		1/4		1/4		1/4	205,662	1/4	190,612	1/4	175,555	1/4	160,451	1/4	145,307	1/4	130,163	1/4	115,016
1/2		1/2		1/2		1/2	205,351	1/2	190,298	1/2	175,242	1/2	160,135	1/2	144,991	1/2	129,848	1/2	114,700
3/4		3/4		3/4		3/4	205,041	3/4	189,984	3/4	174,928	3/4	159,820	3/4	144,676	3/4	129,532	3/4	114,385
9		9		9		9	204,727	9	189,671	9	174,614	9	159,504	9	144,360	9	129,217	9	114,069
1/4		1/4		1/4		1/4	204,413	1/4	189,357	1/4	174,301	1/4	159,189	1/4	144,045	1/4	128,901	1/4	113,753
1/2		1/2		1/2		1/2	204,100	1/2	189,043	1/2	173,987	1/2	158,873	1/2	143,729	1/2	128,585	1/2	113,438
3/4		3/4		3/4		3/4	203,786	3/4	188,730	3/4	173,673	3/4	158,558	3/4	143,414	3/4	128,270	3/4	113,122
10		10		10		10	203,472	10	188,416	10	173,360	10	158,242	10	143,098	10	127,954	10	112,807
1/4		1/4		1/4		1/4	203,159	1/4	188,102	1/4	173,046	1/4	157,927	1/4	142,783	1/4	127,639	1/4	112,491
1/2		1/2		1/2		1/2	202,845	1/2	187,789	1/2	172,732	1/2	157,611	1/2	142,467	1/2	127,323	1/2	112,175
3/4		3/4		3/4		3/4	202,531	3/4	187,475	3/4	172,419	3/4	157,296	3/4	142,152	3/4	127,007	3/4	111,860
11		11		11		11	202,218	11	187,161	11	172,105	11	156,980	11	141,837	11	126,692	11	111,544
1/4		1/4		1/4		1/4	201,904	1/4	186,848	1/4	171,791	1/4	156,665	1/4	141,521	1/4	126,376	1/4	111,229
1/2		1/2		1/2		1/2	201,590	1/2	186,534	1/2	171,478	1/2	156,349	1/2	141,206	1/2	126,061	1/2	110,913
3/4		3/4		3/4		3/4	201,277	3/4	186,220	3/4	171,164	3/4	156,034	3/4	140,890	3/4	125,745	3/4	110,598

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'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 310"

2 STBD
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	95,134	0	79,987	0	64,839	0	49,692	0	34,863	0	19,735	0	4,589	0		0		0	
1/4	94,819	1/4	79,671	1/4	64,524	1/4	49,377	1/4	34,554	1/4	19,420	1/4	4,274	1/4	1/4	1/4		1/4	
1/2	94,503	1/2	79,356	1/2	64,208	1/2	49,061	1/2	34,245	1/2	19,104	1/2	3,959	1/2	1/2	1/2	1/2	1/2	
3/4	94,188	3/4	79,040	3/4	63,893	3/4	48,746	3/4	33,936	3/4	18,789	3/4	3,644	3/4	3/4	3/4	3/4	3/4	
1	93,872	1	78,725	1	63,577	1	48,432	1	33,620	1	18,473	1	3,335	1		1		1	
1/4	93,557	1/4	78,409	1/4	63,261	1/4	48,119	1/4	33,305	1/4	18,157	1/4	3,026	1/4	1/4	1/4	1/4	1/4	
1/2	93,241	1/2	78,093	1/2	62,946	1/2	47,805	1/2	32,989	1/2	17,842	1/2	2,716	1/2	1/2	1/2	1/2	1/2	
3/4	92,925	3/4	77,778	3/4	62,630	3/4	47,491	3/4	32,673	3/4	17,526	3/4	2,407	3/4	3/4	3/4	3/4	3/4	
2	92,610	2	77,462	2	62,315	2	47,178	2	32,358	2	17,211	2	2,141	2		2		2	
1/4	92,294	1/4	77,147	1/4	61,999	1/4	46,865	1/4	32,042	1/4	16,895	1/4	1,874	1/4	1/4	1/4	1/4	1/4	
1/2	91,979	1/2	76,831	1/2	61,684	1/2	46,553	1/2	31,727	1/2	16,580	1/2	1,608	1/2	1/2	1/2	1/2	1/2	
3/4	91,663	3/4	76,516	3/4	61,368	3/4	46,240	3/4	31,411	3/4	16,264	3/4	1,342	3/4	3/4	3/4	3/4	3/4	
3	91,348	3	76,200	3	61,052	3	45,932	3	31,096	3	15,948	3	1,155	3		3		3	
1/4	91,032	1/4	75,884	1/4	60,737	1/4	45,625	1/4	30,780	1/4	15,633	1/4	967	1/4	1/4	1/4	1/4	1/4	
1/2	90,716	1/2	75,569	1/2	60,421	1/2	45,318	1/2	30,464	1/2	15,317	1/2	780	1/2	1/2	1/2	1/2	1/2	
3/4	90,401	3/4	75,253	3/4	60,106	3/4	45,010	3/4	30,149	3/4	15,002	3/4	593	3/4	3/4	3/4	3/4	3/4	
4	90,085	4	74,938	4	59,790	4	44,703	4	29,833	4	14,686	4		4		4		4	
1/4	89,770	1/4	74,622	1/4	59,475	1/4	44,396	1/4	29,518	1/4	14,371	1/4		1/4	1/4	1/4	1/4	1/4	
1/2	89,454	1/2	74,307	1/2	59,159	1/2	44,088	1/2	29,202	1/2	14,055	1/2		1/2	1/2	1/2	1/2	1/2	
3/4	89,139	3/4	73,991	3/4	58,843	3/4	43,781	3/4	28,887	3/4	13,740	3/4		3/4	3/4	3/4	3/4	3/4	
5	88,823	5	73,675	5	58,528	5	43,474	5	28,571	5	13,424	5		5		5		5	
1/4	88,507	1/4	73,360	1/4	58,212	1/4	43,166	1/4	28,256	1/4	13,108	1/4		1/4	1/4	1/4	1/4	1/4	
1/2	88,192	1/2	73,044	1/2	57,897	1/2	42,859	1/2	27,940	1/2	12,793	1/2		1/2	1/2	1/2	1/2	1/2	
3/4	87,876	3/4	72,729	3/4	57,581	3/4	42,551	3/4	27,624	3/4	12,477	3/4		3/4	3/4	3/4	3/4	3/4	
6	87,561	6	72,413	6	57,266	6	42,244	6	27,309	6	12,162	6		6		6		6	
1/4	87,245	1/4	72,098	1/4	56,950	1/4	41,937	1/4	26,993	1/4	11,846	1/4		1/4	1/4	1/4	1/4	1/4	
1/2	86,930	1/2	71,782	1/2	56,634	1/2	41,629	1/2	26,678	1/2	11,531	1/2		1/2	1/2	1/2	1/2	1/2	
3/4	86,614	3/4	71,466	3/4	56,319	3/4	41,322	3/4	26,362	3/4	11,215	3/4		3/4	3/4	3/4	3/4	3/4	
7	86,298	7	71,151	7	56,003	7	41,015	7	26,047	7	10,899	7		7		7		7	
1/4	85,983	1/4	70,835	1/4	55,688	1/4	40,707	1/4	25,731	1/4	10,584	1/4		1/4	1/4	1/4	1/4	1/4	
1/2	85,667	1/2	70,520	1/2	55,372	1/2	40,400	1/2	25,415	1/2	10,268	1/2		1/2	1/2	1/2	1/2	1/2	
3/4	85,352	3/4	70,204	3/4	55,056	3/4	40,093	3/4	25,100	3/4	9,953	3/4		3/4	3/4	3/4	3/4	3/4	
8	85,036	8	69,888	8	54,741	8	39,785	8	24,784	8	9,637	8		8		8		8	
1/4	84,721	1/4	69,573	1/4	54,425	1/4	39,478	1/4	24,469	1/4	9,322	1/4		1/4	1/4	1/4	1/4	1/4	
1/2	84,405	1/2	69,257	1/2	54,110	1/2	39,171	1/2	24,153	1/2	9,006	1/2		1/2	1/2	1/2	1/2	1/2	
3/4	84,089	3/4	68,942	3/4	53,794	3/4	38,863	3/4	23,838	3/4	8,690	3/4		3/4	3/4	3/4	3/4	3/4	
9	83,774	9	68,626	9	53,479	9	38,556	9	23,522	9	8,375	9		9		9		9	
1/4	83,458	1/4	68,311	1/4	53,163	1/4	38,248	1/4	23,206	1/4	8,059	1/4		1/4	1/4	1/4	1/4	1/4	
1/2	83,143	1/2	67,995	1/2	52,847	1/2	37,941	1/2	22,891	1/2	7,744	1/2		1/2	1/2	1/2	1/2	1/2	
3/4	82,827	3/4	67,679	3/4	52,532	3/4	37,634	3/4	22,575	3/4	7,428	3/4		3/4	3/4	3/4	3/4	3/4	
10	82,511	10	67,364	10	52,216	10	37,326	10	22,260	10	7,113	10		10		10		10	
1/4	82,196	1/4	67,048	1/4	51,901	1/4	37,019	1/4	21,944	1/4	6,797	1/4		1/4	1/4	1/4	1/4	1/4	
1/2	81,880	1/2	66,733	1/2	51,585	1/2	36,711	1/2	21,629	1/2	6,482	1/2		1/2	1/2	1/2	1/2	1/2	
3/4	81,565	3/4	66,417	3/4	51,270	3/4	36,404	3/4	21,313	3/4	6,166	3/4		3/4	3/4	3/4	3/4	3/4	
11	81,249	11	66,102	11	50,954	11	36,096	11	20,998	11	5,850	11		11		11		11	
1/4	80,934	1/4	65,786	1/4	50,638	1/4	35,788	1/4	20,682	1/4	5,535	1/4		1/4	1/4	1/4	1/4	1/4	
1/2	80,618	1/2	65,470	1/2	50,323	1/2	35,480	1/2	20,366	1/2	5,220	1/2		1/2	1/2	1/2	1/2	1/2	
3/4	80,302	3/4	65,155	3/4	50,007	3/4	35,172	3/4	20,051	3/4	4,904	3/4		3/4	3/4	3/4	3/4	3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/21/2013 CL - SW
CALCULATED: 01/21/2013 CL
PRINTED: 01/21/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "CBC 310"

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	205,983	0	194,874	0	182,931	0	170,989	0	158,983	0	144,318	0	128,737	0	113,156
1/4		1/4		1/4	205,857	1/4	194,625	1/4	182,683	1/4	170,741	1/4	158,730	1/4	143,993	1/4	128,413	1/4	112,831
1/2		1/2		1/2	205,731	1/2	194,376	1/2	182,434	1/2	170,492	1/2	158,477	1/2	143,669	1/2	128,088	1/2	112,507
3/4		3/4		3/4	205,563	3/4	194,127	3/4	182,185	3/4	170,243	3/4	158,215	3/4	143,344	3/4	127,763	3/4	112,182
1		1		1	205,395	1	193,878	1	181,936	1	169,994	1	157,952	1	143,019	1	127,439	1	111,858
1/4		1/4		1/4	205,227	1/4	193,630	1/4	181,688	1/4	169,745	1/4	157,690	1/4	142,695	1/4	127,114	1/4	111,534
1/2		1/2		1/2	205,059	1/2	193,381	1/2	181,439	1/2	169,496	1/2	157,427	1/2	142,370	1/2	126,790	1/2	111,209
3/4		3/4		3/4	204,850	3/4	193,132	3/4	181,190	3/4	169,246	3/4	157,152	3/4	142,046	3/4	126,465	3/4	110,885
2		2		2	204,641	2	192,883	2	180,941	2	168,996	2	156,877	2	141,721	2	126,140	2	110,561
1/4		1/4		1/4	204,432	1/4	192,634	1/4	180,692	1/4	168,745	1/4	156,602	1/4	141,396	1/4	125,816	1/4	110,236
1/2		1/2		1/2	204,223	1/2	192,386	1/2	180,444	1/2	168,495	1/2	156,327	1/2	141,072	1/2	125,491	1/2	109,912
3/4		3/4		3/4	203,984	3/4	192,137	3/4	180,195	3/4	168,245	3/4	156,039	3/4	140,747	3/4	125,167	3/4	109,588
3		3		3	203,744	3	191,888	3	179,946	3	167,995	3	155,752	3	140,423	3	124,842	3	109,263
1/4		1/4		1/4	203,504	1/4	191,639	1/4	179,697	1/4	167,745	1/4	155,464	1/4	140,098	1/4	124,517	1/4	108,939
1/2		1/2		1/2	203,265	1/2	191,390	1/2	179,448	1/2	167,495	1/2	155,176	1/2	139,774	1/2	124,193	1/2	108,615
3/4		3/4		3/4	203,021	3/4	191,142	3/4	179,200	3/4	167,245	3/4	154,876	3/4	139,449	3/4	123,868	3/4	108,290
4		4		4	202,777	4	190,893	4	178,951	4	166,994	4	154,576	4	139,124	4	123,543	4	107,966
1/4		1/4		1/4	202,533	1/4	190,644	1/4	178,702	1/4	166,744	1/4	154,276	1/4	138,800	1/4	123,219	1/4	107,642
1/2		1/2		1/2	202,289	1/2	190,395	1/2	178,453	1/2	166,494	1/2	153,975	1/2	138,475	1/2	122,894	1/2	107,318
3/4		3/4		3/4	202,043	3/4	190,146	3/4	178,204	3/4	166,244	3/4	153,663	3/4	138,151	3/4	122,570	3/4	106,994
5		5		5	201,798	5	189,898	5	177,956	5	165,994	5	153,350	5	137,826	5	122,245	5	106,671
1/4		1/4		1/4	201,553	1/4	189,649	1/4	177,707	1/4	165,744	1/4	153,038	1/4	137,501	1/4	121,920	1/4	106,347
1/2		1/2		1/2	201,308	1/2	189,400	1/2	177,458	1/2	165,493	1/2	152,725	1/2	137,177	1/2	121,596	1/2	106,024
3/4		3/4		3/4	201,063	3/4	189,151	3/4	177,209	3/4	165,243	3/4	152,403	3/4	136,852	3/4	121,271	3/4	105,700
6		6		6	200,817	6	188,903	6	176,960	6	164,993	6	152,082	6	136,528	6	120,947	6	105,377
1/4		1/4		1/4	200,572	1/4	188,654	1/4	176,712	1/4	164,743	1/4	151,760	1/4	136,203	1/4	120,622	1/4	105,053
1/2		1/2		1/2	200,326	1/2	188,405	1/2	176,463	1/2	164,493	1/2	151,438	1/2	135,879	1/2	120,297	1/2	104,730
3/4		3/4		3/4	200,080	3/4	188,156	3/4	176,214	3/4	164,243	3/4	151,115	3/4	135,554	3/4	119,973	3/4	104,406
7		7		7	199,834	7	187,907	7	175,965	7	163,992	7	150,792	7	135,229	7	119,648	7	104,082
1/4		1/4		1/4	199,588	1/4	187,659	1/4	175,716	1/4	163,742	1/4	150,468	1/4	134,905	1/4	119,323	1/4	103,758
1/2		1/2		1/2	199,342	1/2	187,410	1/2	175,468	1/2	163,492	1/2	150,145	1/2	134,580	1/2	118,999	1/2	103,435
3/4		3/4		3/4	199,096	3/4	187,161	3/4	175,219	3/4	163,242	3/4	149,822	3/4	134,256	3/4	118,674	3/4	103,111
8		8		8	198,850	8	186,912	8	174,970	8	162,992	8	149,498	8	133,931	8	118,350	8	102,787
1/4		1/4		1/4	198,603	1/4	186,663	1/4	174,721	1/4	162,742	1/4	149,175	1/4	133,606	1/4	118,025	1/4	102,463
1/2		1/2		1/2	198,357	1/2	186,415	1/2	174,473	1/2	162,491	1/2	148,852	1/2	133,282	1/2	117,700	1/2	102,139
3/4		3/4		3/4	198,108	3/4	186,166	3/4	174,224	3/4	162,241	3/4	148,528	3/4	132,957	3/4	117,376	3/4	101,816
9		9		9	197,859	9	185,917	9	173,975	9	161,991	9	148,204	9	132,633	9	117,051	9	101,492
1/4		1/4		1/4	197,610	1/4	185,668	1/4	173,726	1/4	161,741	1/4	147,881	1/4	132,308	1/4	116,727	1/4	101,168
1/2		1/2		1/2	197,361	1/2	185,419	1/2	173,477	1/2	161,491	1/2	147,557	1/2	131,983	1/2	116,402	1/2	100,844
3/4		3/4		3/4	197,113	3/4	185,171	3/4	173,229	3/4	161,241	3/4	147,233	3/4	131,659	3/4	116,077	3/4	100,521
10		10		10	196,864	10	184,922	10	172,980	10	160,990	10	146,910	10	131,334	10	115,753	10	100,197
1/4		1/4		1/4	196,615	1/4	184,673	1/4	172,731	1/4	160,740	1/4	146,586	1/4	131,010	1/4	115,428	1/4	99,873
1/2		1/2		1/2	196,366	1/2	184,424	1/2	172,482	1/2	160,490	1/2	146,262	1/2	130,685	1/2	115,104	1/2	99,549
3/4		3/4		3/4	196,118	3/4	184,175	3/4	172,233	3/4	160,240	3/4	145,938	3/4	130,360	3/4	114,779	3/4	99,225
11		11		11	195,869	11	183,927	11	171,985	11	159,989	11	145,615	11	130,036	11	114,454	11	98,902
1/4		1/4		1/4	195,620	1/4	183,678	1/4	171,736	1/4	159,739	1/4	145,291	1/4	129,711	1/4	114,130	1/4	98,578
1/2		1/2		1/2	195,371	1/2	183,429	1/2	171,487	1/2	159,489	1/2	144,967	1/2	129,386	1/2	113,805	1/2	98,254
3/4		3/4		3/4	195,122	3/4	183,180	3/4	171,238	3/4	159,236	3/4	144,642	3/4	129,062	3/4	113,480	3/4	97,930

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 310"

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	97,607	0	82,032	0	66,438	0	50,896	0	35,657	0	20,044	0	4,411	0		0		0	
1/4	97,283	1/4	81,707	1/4	66,114	1/4	50,579	1/4	35,332	1/4	19,718	1/4	4,086	1/4	1/4		1/4	1/4	
1/2	96,959	1/2	81,382	1/2	65,789	1/2	50,262	1/2	35,007	1/2	19,392	1/2	3,761	1/2	1/2		1/2	1/2	
3/4	96,635	3/4	81,057	3/4	65,464	3/4	49,945	3/4	34,683	3/4	19,067	3/4	3,442	3/4	3/4		3/4	3/4	
1	96,311	1	80,732	1	65,139	1	49,628	1	34,358	1	18,741	1	3,122	1		1		1	
1/4	95,988	1/4	80,407	1/4	64,814	1/4	49,312	1/4	34,033	1/4	18,415	1/4	2,803	1/4	1/4		1/4	1/4	
1/2	95,664	1/2	80,082	1/2	64,489	1/2	48,995	1/2	33,708	1/2	18,090	1/2	2,484	1/2	1/2		1/2	1/2	
3/4	95,340	3/4	79,758	3/4	64,164	3/4	48,678	3/4	33,384	3/4	17,764	3/4	2,209	3/4	3/4		3/4	3/4	
2	95,016	2	79,433	2	63,840	2	48,362	2	33,059	2	17,438	2	1,934	2		2		2	
1/4	94,693	1/4	79,108	1/4	63,515	1/4	48,045	1/4	32,734	1/4	17,112	1/4	1,659	1/4	1/4		1/4	1/4	
1/2	94,369	1/2	78,783	1/2	63,190	1/2	47,728	1/2	32,410	1/2	16,787	1/2	1,385	1/2	1/2		1/2	1/2	
3/4	94,045	3/4	78,458	3/4	62,865	3/4	47,412	3/4	32,085	3/4	16,461	3/4	1,191	3/4	3/4		3/4	3/4	
3	93,721	3	78,133	3	62,540	3	47,096	3	31,760	3	16,135	3	998	3		3		3	
1/4	93,398	1/4	77,808	1/4	62,215	1/4	46,780	1/4	31,435	1/4	15,810	1/4	804	1/4	1/4		1/4	1/4	
1/2	93,074	1/2	77,483	1/2	61,890	1/2	46,463	1/2	31,111	1/2	15,484	1/2	611	1/2	1/2		1/2	1/2	
3/4	92,750	3/4	77,158	3/4	61,565	3/4	46,147	3/4	30,786	3/4	15,158	3/4		3/4	3/4		3/4	3/4	
4	92,426	4	76,834	4	61,241	4	45,831	4	30,461	4	14,832	4		4		4		4	
1/4	92,102	1/4	76,509	1/4	60,916	1/4	45,514	1/4	30,137	1/4	14,507	1/4		1/4	1/4		1/4	1/4	
1/2	91,778	1/2	76,184	1/2	60,591	1/2	45,198	1/2	29,812	1/2	14,181	1/2		1/2	1/2		1/2	1/2	
3/4	91,453	3/4	75,859	3/4	60,266	3/4	44,882	3/4	29,487	3/4	13,855	3/4		3/4	3/4		3/4	3/4	
5	91,128	5	75,534	5	59,941	5	44,566	5	29,162	5	13,530	5		5		5		5	
1/4	90,803	1/4	75,209	1/4	59,616	1/4	44,249	1/4	28,837	1/4	13,204	1/4		1/4	1/4		1/4	1/4	
1/2	90,479	1/2	74,884	1/2	59,291	1/2	43,933	1/2	28,512	1/2	12,878	1/2		1/2	1/2		1/2	1/2	
3/4	90,154	3/4	74,559	3/4	58,966	3/4	43,617	3/4	28,187	3/4	12,552	3/4		3/4	3/4		3/4	3/4	
6	89,829	6	74,235	6	58,641	6	43,300	6	27,861	6	12,227	6		6		6		6	
1/4	89,504	1/4	73,910	1/4	58,317	1/4	42,984	1/4	27,535	1/4	11,901	1/4		1/4	1/4		1/4	1/4	
1/2	89,179	1/2	73,585	1/2	57,992	1/2	42,668	1/2	27,210	1/2	11,575	1/2		1/2	1/2		1/2	1/2	
3/4	88,854	3/4	73,260	3/4	57,667	3/4	42,352	3/4	26,884	3/4	11,249	3/4		3/4	3/4		3/4	3/4	
7	88,529	7	72,935	7	57,342	7	42,035	7	26,558	7	10,924	7		7		7		7	
1/4	88,204	1/4	72,610	1/4	57,017	1/4	41,719	1/4	26,233	1/4	10,598	1/4		1/4	1/4		1/4	1/4	
1/2	87,880	1/2	72,285	1/2	56,692	1/2	41,403	1/2	25,907	1/2	10,272	1/2		1/2	1/2		1/2	1/2	
3/4	87,555	3/4	71,960	3/4	56,367	3/4	41,087	3/4	25,581	3/4	9,947	3/4		3/4	3/4		3/4	3/4	
8	87,230	8	71,636	8	56,042	8	40,770	8	25,255	8	9,621	8		8		8		8	
1/4	86,905	1/4	71,311	1/4	55,718	1/4	40,454	1/4	24,930	1/4	9,295	1/4		1/4	1/4		1/4	1/4	
1/2	86,580	1/2	70,986	1/2	55,393	1/2	40,138	1/2	24,604	1/2	8,969	1/2		1/2	1/2		1/2	1/2	
3/4	86,255	3/4	70,661	3/4	55,068	3/4	39,821	3/4	24,278	3/4	8,644	3/4		3/4	3/4		3/4	3/4	
9	85,930	9	70,336	9	54,743	9	39,505	9	23,953	9	8,318	9		9		9		9	
1/4	85,605	1/4	70,011	1/4	54,418	1/4	39,189	1/4	23,627	1/4	7,992	1/4		1/4	1/4		1/4	1/4	
1/2	85,281	1/2	69,686	1/2	54,093	1/2	38,873	1/2	23,301	1/2	7,667	1/2		1/2	1/2		1/2	1/2	
3/4	84,956	3/4	69,361	3/4	53,769	3/4	38,556	3/4	22,975	3/4	7,341	3/4		3/4	3/4		3/4	3/4	
10	84,631	10	69,037	10	53,445	10	38,239	10	22,650	10	7,015	10		10		10		10	
1/4	84,306	1/4	68,712	1/4	53,121	1/4	37,922	1/4	22,324	1/4	6,689	1/4		1/4	1/4		1/4	1/4	
1/2	83,981	1/2	68,387	1/2	52,798	1/2	37,605	1/2	21,998	1/2	6,364	1/2		1/2	1/2		1/2	1/2	
3/4	83,656	3/4	68,062	3/4	52,481	3/4	37,280	3/4	21,672	3/4	6,038	3/4		3/4	3/4		3/4	3/4	
11	83,331	11	67,737	11	52,164	11	36,955	11	21,347	11	5,713	11		11		11		11	
1/4	83,006	1/4	67,413	1/4	51,847	1/4	36,631	1/4	21,021	1/4	5,387	1/4		1/4	1/4		1/4	1/4	
1/2	82,681	1/2	67,088	1/2	51,530	1/2	36,306	1/2	20,695	1/2	5,061	1/2		1/2	1/2		1/2	1/2	
3/4	82,357	3/4	66,763	3/4	51,213	3/4	35,981	3/4	20,370	3/4	4,736	3/4		3/4	3/4		3/4	3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/21/2013 CL - SW
CALCULATED: 01/21/2013 CL
PRINTED: 01/21/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2013

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



BARGE "CBC 310"

3 STBD
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	205,657	0	194,548	0	182,605	0	170,663	0	158,657	0	143,992	0	128,411	0	112,830
1/4		1/4		1/4	205,531	1/4	194,299	1/4	182,357	1/4	170,415	1/4	158,404	1/4	143,667	1/4	128,087	1/4	112,505
1/2		1/2		1/2	205,405	1/2	194,050	1/2	182,108	1/2	170,166	1/2	158,151	1/2	143,342	1/2	127,762	1/2	112,181
3/4		3/4		3/4	205,237	3/4	193,801	3/4	181,859	3/4	169,917	3/4	157,889	3/4	143,018	3/4	127,437	3/4	111,856
1		1		1	205,069	1	193,552	1	181,610	1	169,668	1	157,626	1	142,693	1	127,113	1	111,532
1/4		1/4		1/4	204,901	1/4	193,304	1/4	181,361	1/4	169,419	1/4	157,364	1/4	142,369	1/4	126,788	1/4	111,208
1/2		1/2		1/2	204,733	1/2	193,055	1/2	181,113	1/2	169,170	1/2	157,101	1/2	142,044	1/2	126,464	1/2	110,883
3/4		3/4		3/4	204,524	3/4	192,806	3/4	180,864	3/4	168,920	3/4	156,826	3/4	141,720	3/4	126,139	3/4	110,559
2		2		2	204,315	2	192,557	2	180,615	2	168,670	2	156,551	2	141,395	2	125,814	2	110,235
1/4		1/4		1/4	204,106	1/4	192,308	1/4	180,366	1/4	168,419	1/4	156,276	1/4	141,070	1/4	125,490	1/4	109,910
1/2		1/2		1/2	203,897	1/2	192,060	1/2	180,118	1/2	168,169	1/2	156,001	1/2	140,746	1/2	125,165	1/2	109,586
3/4		3/4		3/4	203,658	3/4	191,811	3/4	179,869	3/4	167,919	3/4	155,713	3/4	140,421	3/4	124,840	3/4	109,262
3		3		3	203,418	3	191,562	3	179,620	3	167,669	3	155,426	3	140,097	3	124,516	3	108,937
1/4		1/4		1/4	203,178	1/4	191,313	1/4	179,371	1/4	167,419	1/4	155,138	1/4	139,772	1/4	124,191	1/4	108,613
1/2		1/2		1/2	202,939	1/2	191,064	1/2	179,122	1/2	167,169	1/2	154,850	1/2	139,447	1/2	123,867	1/2	108,288
3/4		3/4		3/4	202,695	3/4	190,816	3/4	178,874	3/4	166,918	3/4	154,550	3/4	139,123	3/4	123,542	3/4	107,964
4		4		4	202,451	4	190,567	4	178,625	4	166,668	4	154,250	4	138,798	4	123,217	4	107,640
1/4		1/4		1/4	202,207	1/4	190,318	1/4	178,376	1/4	166,418	1/4	153,950	1/4	138,474	1/4	122,893	1/4	107,316
1/2		1/2		1/2	201,962	1/2	190,069	1/2	178,127	1/2	166,168	1/2	153,649	1/2	138,149	1/2	122,568	1/2	106,992
3/4		3/4		3/4	201,717	3/4	189,820	3/4	177,878	3/4	165,918	3/4	153,337	3/4	137,825	3/4	122,244	3/4	106,668
5		5		5	201,472	5	189,572	5	177,630	5	165,668	5	153,024	5	137,500	5	121,919	5	106,345
1/4		1/4		1/4	201,227	1/4	189,323	1/4	177,381	1/4	165,417	1/4	152,712	1/4	137,175	1/4	121,594	1/4	106,021
1/2		1/2		1/2	200,982	1/2	189,074	1/2	177,132	1/2	165,167	1/2	152,399	1/2	136,851	1/2	121,270	1/2	105,698
3/4		3/4		3/4	200,737	3/4	188,825	3/4	176,883	3/4	164,917	3/4	152,077	3/4	136,526	3/4	120,945	3/4	105,374
6		6		6	200,491	6	188,576	6	176,634	6	164,667	6	151,756	6	136,202	6	120,621	6	105,051
1/4		1/4		1/4	200,246	1/4	188,328	1/4	176,386	1/4	164,417	1/4	151,434	1/4	135,877	1/4	120,296	1/4	104,727
1/2		1/2		1/2	200,000	1/2	188,079	1/2	176,137	1/2	164,167	1/2	151,112	1/2	135,552	1/2	119,971	1/2	104,404
3/4		3/4		3/4	199,754	3/4	187,830	3/4	175,888	3/4	163,917	3/4	150,789	3/4	135,228	3/4	119,647	3/4	104,080
7		7		7	199,508	7	187,581	7	175,639	7	163,666	7	150,466	7	134,903	7	119,322	7	103,756
1/4		1/4		1/4	199,262	1/4	187,333	1/4	175,390	1/4	163,416	1/4	150,142	1/4	134,579	1/4	118,997	1/4	103,432
1/2		1/2		1/2	199,016	1/2	187,084	1/2	175,142	1/2	163,166	1/2	149,819	1/2	134,254	1/2	118,673	1/2	103,108
3/4		3/4		3/4	198,770	3/4	186,835	3/4	174,893	3/4	162,916	3/4	149,496	3/4	133,930	3/4	118,348	3/4	102,785
8		8		8	198,523	8	186,586	8	174,644	8	162,666	8	149,172	8	133,605	8	118,024	8	102,461
1/4		1/4		1/4	198,277	1/4	186,337	1/4	174,395	1/4	162,416	1/4	148,849	1/4	133,280	1/4	117,699	1/4	102,137
1/2		1/2		1/2	198,031	1/2	186,089	1/2	174,146	1/2	162,165	1/2	148,526	1/2	132,956	1/2	117,374	1/2	101,813
3/4		3/4		3/4	197,782	3/4	185,840	3/4	173,898	3/4	161,915	3/4	148,202	3/4	132,631	3/4	117,050	3/4	101,490
9		9		9	197,533	9	185,591	9	173,649	9	161,665	9	147,878	9	132,307	9	116,725	9	101,166
1/4		1/4		1/4	197,284	1/4	185,342	1/4	173,400	1/4	161,415	1/4	147,555	1/4	131,982	1/4	116,401	1/4	100,842
1/2		1/2		1/2	197,035	1/2	185,093	1/2	173,151	1/2	161,165	1/2	147,231	1/2	131,657	1/2	116,076	1/2	100,518
3/4		3/4		3/4	196,787	3/4	184,845	3/4	172,903	3/4	160,915	3/4	146,907	3/4	131,333	3/4	115,751	3/4	100,195
10		10		10	196,538	10	184,596	10	172,654	10	160,664	10	146,584	10	131,008	10	115,427	10	99,871
1/4		1/4		1/4	196,289	1/4	184,347	1/4	172,405	1/4	160,414	1/4	146,260	1/4	130,683	1/4	115,102	1/4	99,547
1/2		1/2		1/2	196,040	1/2	184,098	1/2	172,156	1/2	160,164	1/2	145,936	1/2	130,359	1/2	114,777	1/2	99,223
3/4		3/4		3/4	195,791	3/4	183,849	3/4	171,907	3/4	159,914	3/4	145,612	3/4	130,034	3/4	114,453	3/4	98,899
11		11		11	195,543	11	183,601	11	171,659	11	159,663	11	145,289	11	129,710	11	114,128	11	98,576
1/4		1/4		1/4	195,294	1/4	183,352	1/4	171,410	1/4	159,413	1/4	144,965	1/4	129,385	1/4	113,804	1/4	98,252
1/2		1/2		1/2	195,045	1/2	183,103	1/2	171,161	1/2	159,163	1/2	144,641	1/2	129,060	1/2	113,479	1/2	97,928
3/4		3/4		3/4	194,796	3/4	182,854	3/4	170,912	3/4	158,910	3/4	144,316	3/4	128,736	3/4	113,154	3/4	97,604

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

<http://www.pmacorp.net>



BARGE "CBC 310"

3 STBD
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	97,281	0	81,706	0	66,112	0	50,610	0	35,657	0	20,044	0	4,411	0		0		0	
1/4	96,957	1/4	81,381	1/4	65,788	1/4	50,299	1/4	35,332	1/4	19,718	1/4	4,086	1/4	1/4	1/4		1/4	
1/2	96,633	1/2	81,056	1/2	65,463	1/2	49,988	1/2	35,007	1/2	19,392	1/2	3,761	1/2	1/2	1/2		1/2	
3/4	96,309	3/4	80,731	3/4	65,138	3/4	49,678	3/4	34,683	3/4	19,067	3/4	3,442	3/4	3/4	3/4		3/4	
1	95,985	1	80,406	1	64,813	1	49,367	1	34,358	1	18,741	1	3,122	1		1		1	
1/4	95,662	1/4	80,081	1/4	64,488	1/4	49,057	1/4	34,033	1/4	18,415	1/4	2,803	1/4	1/4	1/4		1/4	
1/2	95,338	1/2	79,756	1/2	64,163	1/2	48,746	1/2	33,708	1/2	18,090	1/2	2,484	1/2	1/2	1/2		1/2	
3/4	95,014	3/4	79,431	3/4	63,838	3/4	48,437	3/4	33,384	3/4	17,764	3/4	2,209	3/4	3/4	3/4		3/4	
2	94,690	2	79,107	2	63,514	2	48,127	2	33,059	2	17,438	2	1,934	2		2		2	
1/4	94,367	1/4	78,782	1/4	63,189	1/4	47,817	1/4	32,734	1/4	17,112	1/4	1,659	1/4	1/4	1/4		1/4	
1/2	94,043	1/2	78,457	1/2	62,864	1/2	47,507	1/2	32,410	1/2	16,787	1/2	1,385	1/2	1/2	1/2		1/2	
3/4	93,719	3/4	78,132	3/4	62,539	3/4	47,198	3/4	32,085	3/4	16,461	3/4	1,191	3/4	3/4	3/4		3/4	
3	93,395	3	77,807	3	62,214	3	46,889	3	31,760	3	16,135	3	998	3		3		3	
1/4	93,071	1/4	77,482	1/4	61,889	1/4	46,579	1/4	31,435	1/4	15,810	1/4	804	1/4	1/4	1/4		1/4	
1/2	92,748	1/2	77,157	1/2	61,564	1/2	46,270	1/2	31,111	1/2	15,484	1/2	611	1/2	1/2	1/2		1/2	
3/4	92,424	3/4	76,832	3/4	61,239	3/4	45,960	3/4	30,786	3/4	15,158	3/4		3/4	3/4	3/4		3/4	
4	92,100	4	76,508	4	60,914	4	45,651	4	30,461	4	14,832	4		4		4		4	
1/4	91,776	1/4	76,183	1/4	60,590	1/4	45,342	1/4	30,137	1/4	14,507	1/4		1/4	1/4	1/4		1/4	
1/2	91,452	1/2	75,858	1/2	60,265	1/2	45,032	1/2	29,812	1/2	14,181	1/2		1/2	1/2	1/2		1/2	
3/4	91,127	3/4	75,533	3/4	59,940	3/4	44,723	3/4	29,487	3/4	13,855	3/4		3/4	3/4	3/4		3/4	
5	90,802	5	75,208	5	59,615	5	44,414	5	29,162	5	13,530	5		5		5		5	
1/4	90,477	1/4	74,883	1/4	59,290	1/4	44,104	1/4	28,837	1/4	13,204	1/4		1/4	1/4	1/4		1/4	
1/2	90,153	1/2	74,558	1/2	58,965	1/2	43,795	1/2	28,513	1/2	12,878	1/2		1/2	1/2	1/2		1/2	
3/4	89,828	3/4	74,233	3/4	58,640	3/4	43,486	3/4	28,187	3/4	12,552	3/4		3/4	3/4	3/4		3/4	
6	89,503	6	73,909	6	58,315	6	43,176	6	27,861	6	12,227	6		6		6		6	
1/4	89,178	1/4	73,584	1/4	57,991	1/4	42,867	1/4	27,535	1/4	11,901	1/4		1/4	1/4	1/4		1/4	
1/2	88,853	1/2	73,259	1/2	57,666	1/2	42,558	1/2	27,210	1/2	11,575	1/2		1/2	1/2	1/2		1/2	
3/4	88,528	3/4	72,934	3/4	57,341	3/4	42,248	3/4	26,884	3/4	11,249	3/4		3/4	3/4	3/4		3/4	
7	88,203	7	72,609	7	57,016	7	41,939	7	26,558	7	10,924	7		7		7		7	
1/4	87,878	1/4	72,284	1/4	56,691	1/4	41,629	1/4	26,233	1/4	10,598	1/4		1/4	1/4	1/4		1/4	
1/2	87,553	1/2	71,959	1/2	56,366	1/2	41,320	1/2	25,907	1/2	10,272	1/2		1/2	1/2	1/2		1/2	
3/4	87,229	3/4	71,634	3/4	56,041	3/4	41,011	3/4	25,581	3/4	9,947	3/4		3/4	3/4	3/4		3/4	
8	86,904	8	71,309	8	55,716	8	40,701	8	25,255	8	9,621	8		8		8		8	
1/4	86,579	1/4	70,985	1/4	55,391	1/4	40,392	1/4	24,930	1/4	9,295	1/4		1/4	1/4	1/4		1/4	
1/2	86,254	1/2	70,660	1/2	55,067	1/2	40,083	1/2	24,604	1/2	8,969	1/2		1/2	1/2	1/2		1/2	
3/4	85,929	3/4	70,335	3/4	54,742	3/4	39,773	3/4	24,278	3/4	8,644	3/4		3/4	3/4	3/4		3/4	
9	85,604	9	70,010	9	54,417	9	39,464	9	23,953	9	8,318	9		9		9		9	
1/4	85,279	1/4	69,685	1/4	54,092	1/4	39,155	1/4	23,627	1/4	7,992	1/4		1/4	1/4	1/4		1/4	
1/2	84,954	1/2	69,360	1/2	53,767	1/2	38,846	1/2	23,301	1/2	7,667	1/2		1/2	1/2	1/2		1/2	
3/4	84,630	3/4	69,035	3/4	53,444	3/4	38,535	3/4	22,975	3/4	7,341	3/4		3/4	3/4	3/4		3/4	
10	84,305	10	68,710	10	53,121	10	38,224	10	22,650	10	7,015	10		10		10		10	
1/4	83,980	1/4	68,386	1/4	52,798	1/4	37,913	1/4	22,324	1/4	6,689	1/4		1/4	1/4	1/4		1/4	
1/2	83,655	1/2	68,061	1/2	52,475	1/2	37,602	1/2	21,998	1/2	6,364	1/2		1/2	1/2	1/2		1/2	
3/4	83,330	3/4	67,736	3/4	52,164	3/4	37,278	3/4	21,672	3/4	6,038	3/4		3/4	3/4	3/4		3/4	
11	83,005	11	67,411	11	51,853	11	36,954	11	21,347	11	5,713	11		11		11		11	
1/4	82,680	1/4	67,087	1/4	51,542	1/4	36,630	1/4	21,021	1/4	5,387	1/4		1/4	1/4	1/4		1/4	
1/2	82,355	1/2	66,762	1/2	51,231	1/2	36,306	1/2	20,695	1/2	5,061	1/2		1/2	1/2	1/2		1/2	
3/4	82,031	3/4	66,437	3/4	50,920	3/4	35,981	3/4	20,370	3/4	4,736	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/21/2013 CL - SW
CALCULATED: 01/21/2013 CL
PRINTED: 01/21/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2013

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