



BARGE "CBC 316"

INNAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 2 PORT IS 00-1/8"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED INNAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 238'-03"

March 12, 2013

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 316"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	584	0	13,215	0	28,373	0	43,974	0	59,650	0	75,342	0	91,034	0	106,726	0	122,417	0	138,108
1/4	718	1/4	13,515	1/4	28,700	1/4	44,298	1/4	59,977	1/4	75,669	1/4	91,361	1/4	107,052	1/4	122,744	1/4	138,434
1/2	853	1/2	13,816	1/2	29,027	1/2	44,622	1/2	60,304	1/2	75,996	1/2	91,688	1/2	107,379	1/2	123,071	1/2	138,761
3/4	988	3/4	14,116	3/4	29,354	3/4	44,946	3/4	60,631	3/4	76,323	3/4	92,015	3/4	107,706	3/4	123,398	3/4	139,088
1	1,122	1	14,417	1	29,681	1	45,271	1	60,958	1	76,650	1	92,341	1	108,033	1	123,725	1	139,415
1/4	1,334	1/4	14,721	1/4	30,008	1/4	45,597	1/4	61,285	1/4	76,977	1/4	92,668	1/4	108,360	1/4	124,052	1/4	139,742
1/2	1,546	1/2	15,025	1/2	30,335	1/2	45,923	1/2	61,612	1/2	77,304	1/2	92,995	1/2	108,687	1/2	124,379	1/2	140,069
3/4	1,758	3/4	15,329	3/4	30,662	3/4	46,249	3/4	61,939	3/4	77,630	3/4	93,322	3/4	109,014	3/4	124,706	3/4	140,395
2	1,970	2	15,632	2	30,988	2	46,576	2	62,266	2	77,957	2	93,649	2	109,341	2	125,033	2	140,722
1/4	2,230	1/4	15,940	1/4	31,315	1/4	46,902	1/4	62,593	1/4	78,284	1/4	93,976	1/4	109,668	1/4	125,360	1/4	141,049
1/2	2,490	1/2	16,247	1/2	31,642	1/2	47,229	1/2	62,919	1/2	78,611	1/2	94,303	1/2	109,995	1/2	125,686	1/2	141,376
3/4	2,750	3/4	16,554	3/4	31,969	3/4	47,555	3/4	63,246	3/4	78,938	3/4	94,630	3/4	110,322	3/4	126,013	3/4	141,703
3	3,010	3	16,862	3	32,296	3	47,882	3	63,573	3	79,265	3	94,957	3	110,649	3	126,340	3	142,030
1/4	3,280	1/4	17,173	1/4	32,621	1/4	48,209	1/4	63,900	1/4	79,592	1/4	95,284	1/4	110,975	1/4	126,667	1/4	142,356
1/2	3,549	1/2	17,483	1/2	32,946	1/2	48,535	1/2	64,227	1/2	79,919	1/2	95,611	1/2	111,302	1/2	126,994	1/2	142,683
3/4	3,818	3/4	17,794	3/4	33,272	3/4	48,862	3/4	64,554	3/4	80,246	3/4	95,937	3/4	111,629	3/4	127,321	3/4	143,010
4	4,088	4	18,105	4	33,597	4	49,189	4	64,881	4	80,573	4	96,264	4	111,956	4	127,648	4	143,337
1/4	4,361	1/4	18,419	1/4	33,922	1/4	49,516	1/4	65,208	1/4	80,900	1/4	96,591	1/4	112,283	1/4	127,975	1/4	143,664
1/2	4,634	1/2	18,733	1/2	34,246	1/2	49,843	1/2	65,535	1/2	81,226	1/2	96,918	1/2	112,610	1/2	128,302	1/2	143,991
3/4	4,907	3/4	19,047	3/4	34,571	3/4	50,170	3/4	65,862	3/4	81,553	3/4	97,245	3/4	112,937	3/4	128,629	3/4	144,317
5	5,181	5	19,361	5	34,896	5	50,497	5	66,189	5	81,880	5	97,572	5	113,264	5	128,956	5	144,644
1/4	5,457	1/4	19,679	1/4	35,221	1/4	50,824	1/4	66,515	1/4	82,207	1/4	97,899	1/4	113,591	1/4	129,282	1/4	144,971
1/2	5,734	1/2	19,996	1/2	35,545	1/2	51,151	1/2	66,842	1/2	82,534	1/2	98,226	1/2	113,918	1/2	129,609	1/2	145,298
3/4	6,011	3/4	20,314	3/4	35,869	3/4	51,478	3/4	67,169	3/4	82,861	3/4	98,553	3/4	114,245	3/4	129,936	3/4	145,625
6	6,287	6	20,632	6	36,193	6	51,804	6	67,496	6	83,188	6	98,880	6	114,571	6	130,263	6	145,952
1/4	6,568	1/4	20,953	1/4	36,518	1/4	52,131	1/4	67,823	1/4	83,515	1/4	99,207	1/4	114,898	1/4	130,590	1/4	146,278
1/2	6,848	1/2	21,273	1/2	36,842	1/2	52,458	1/2	68,150	1/2	83,842	1/2	99,534	1/2	115,225	1/2	130,917	1/2	146,605
3/4	7,128	3/4	21,594	3/4	37,166	3/4	52,785	3/4	68,477	3/4	84,169	3/4	99,860	3/4	115,552	3/4	131,244	3/4	146,932
7	7,408	7	21,915	7	37,490	7	53,112	7	68,804	7	84,496	7	100,187	7	115,879	7	131,571	7	147,259
1/4	7,691	1/4	22,232	1/4	37,814	1/4	53,439	1/4	69,131	1/4	84,822	1/4	100,514	1/4	116,206	1/4	131,898	1/4	147,586
1/2	7,975	1/2	22,549	1/2	38,139	1/2	53,766	1/2	69,458	1/2	85,149	1/2	100,841	1/2	116,533	1/2	132,225	1/2	147,913
3/4	8,258	3/4	22,866	3/4	38,463	3/4	54,093	3/4	69,785	3/4	85,476	3/4	101,168	3/4	116,860	3/4	132,551	3/4	148,239
8	8,542	8	23,182	8	38,787	8	54,420	8	70,111	8	85,803	8	101,495	8	117,187	8	132,878	8	148,566
1/4	8,829	1/4	23,501	1/4	39,111	1/4	54,747	1/4	70,438	1/4	86,130	1/4	101,822	1/4	117,514	1/4	133,205	1/4	148,893
1/2	9,116	1/2	23,819	1/2	39,435	1/2	55,074	1/2	70,765	1/2	86,457	1/2	102,149	1/2	117,841	1/2	133,532	1/2	149,220
3/4	9,403	3/4	24,137	3/4	39,759	3/4	55,400	3/4	71,092	3/4	86,784	3/4	102,476	3/4	118,167	3/4	133,859	3/4	149,547
9	9,690	9	24,455	9	40,084	9	55,727	9	71,419	9	87,111	9	102,803	9	118,494	9	134,186	9	149,874
1/4	9,980	1/4	24,781	1/4	40,408	1/4	56,054	1/4	71,746	1/4	87,438	1/4	103,130	1/4	118,821	1/4	134,512	1/4	150,200
1/2	10,270	1/2	25,106	1/2	40,732	1/2	56,381	1/2	72,073	1/2	87,765	1/2	103,456	1/2	119,148	1/2	134,839	1/2	150,527
3/4	10,561	3/4	25,432	3/4	41,056	3/4	56,708	3/4	72,400	3/4	88,092	3/4	103,783	3/4	119,475	3/4	135,166	3/4	150,854
10	10,851	10	25,758	10	41,380	10	57,035	10	72,727	10	88,419	10	104,110	10	119,802	10	135,493	10	151,181
1/4	11,145	1/4	26,085	1/4	41,705	1/4	57,362	1/4	73,054	1/4	88,745	1/4	104,437	1/4	120,129	1/4	135,820	1/4	151,508
1/2	11,439	1/2	26,412	1/2	42,029	1/2	57,689	1/2	73,381	1/2	89,072	1/2	104,764	1/2	120,456	1/2	136,147	1/2	151,835
3/4	11,732	3/4	26,739	3/4	42,353	3/4	58,016	3/4	73,708	3/4	89,399	3/4	105,091	3/4	120,783	3/4	136,473	3/4	152,161
11	12,026	11	27,066	11	42,677	11	58,343	11	74,034	11	89,726	11	105,418	11	121,110	11	136,800	11	152,488
1/4	12,323	1/4	27,393	1/4	43,001	1/4	58,670	1/4	74,361	1/4	90,053	1/4	105,745	1/4	121,437	1/4	137,127	1/4	152,815
1/2	12,620	1/2	27,719	1/2	43,325	1/2	58,996	1/2	74,688	1/2	90,380	1/2	106,072	1/2	121,764	1/2	137,454	1/2	153,142
3/4	12,917	3/4	28,046	3/4	43,650	3/4	59,323	3/4	75,015	3/4	90,707	3/4	106,399	3/4	122,090	3/4	137,781	3/4	153,469

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO 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
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BARGE "CBC 316"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	153,796	0	169,484	0	185,100	0	200,700	0	216,213	0		0		0		0		0	
1/4	154,122	1/4	169,810	1/4	185,425	1/4	201,025	1/4	216,526	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	154,449	1/2	170,137	1/2	185,750	1/2	201,350	1/2	216,839	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	154,776	3/4	170,464	3/4	186,075	3/4	201,675	3/4	217,152	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	155,103	1	170,791	1	186,400	1	202,000	1	217,465	1	1	1	1	1	1	1	1	1	1
1/4	155,430	1/4	171,118	1/4	186,725	1/4	202,325	1/4	217,738	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	155,757	1/2	171,445	1/2	187,050	1/2	202,650	1/2	218,011	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	156,083	3/4	171,771	3/4	187,375	3/4	202,975	3/4	218,284	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	156,410	2	172,098	2	187,700	2	203,300	2	218,556	2	2	2	2	2	2	2	2	2	2
1/4	156,737	1/4	172,424	1/4	188,025	1/4	203,625	1/4	218,776	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	157,064	1/2	172,749	1/2	188,350	1/2	203,950	1/2	218,995	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	157,391	3/4	173,074	3/4	188,675	3/4	204,275	3/4	219,215	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	157,718	3	173,399	3	189,000	3	204,600	3	219,434	3	3	3	3	3	3	3	3	3	3
1/4	158,044	1/4	173,724	1/4	189,325	1/4	204,925	1/4	219,599	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	158,371	1/2	174,049	1/2	189,650	1/2	205,250	1/2	219,764	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	158,698	3/4	174,374	3/4	189,975	3/4	205,575	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	159,025	4	174,699	4	190,300	4	205,900	4		4	4	4	4	4	4	4	4	4	4
1/4	159,352	1/4	175,024	1/4	190,625	1/4	206,225	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	159,679	1/2	175,349	1/2	190,950	1/2	206,550	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	160,005	3/4	175,674	3/4	191,275	3/4	206,875	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	160,332	5	175,999	5	191,600	5	207,200	5	5	5	5	5	5	5	5	5	5	5	5
1/4	160,659	1/4	176,324	1/4	191,925	1/4	207,525	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	160,986	1/2	176,649	1/2	192,250	1/2	207,850	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	161,313	3/4	176,974	3/4	192,575	3/4	208,175	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	161,640	6	177,299	6	192,900	6	208,500	6	6	6	6	6	6	6	6	6	6	6	6
1/4	161,966	1/4	177,624	1/4	193,225	1/4	208,825	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	162,293	1/2	177,949	1/2	193,550	1/2	209,150	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	162,620	3/4	178,274	3/4	193,875	3/4	209,475	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	162,947	7	178,599	7	194,200	7	209,800	7	7	7	7	7	7	7	7	7	7	7	7
1/4	163,274	1/4	178,924	1/4	194,525	1/4	210,122	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	163,601	1/2	179,249	1/2	194,850	1/2	210,444	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	163,927	3/4	179,574	3/4	195,175	3/4	210,766	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	164,254	8	179,899	8	195,500	8	211,088	8	8	8	8	8	8	8	8	8	8	8	8
1/4	164,581	1/4	180,224	1/4	195,825	1/4	211,409	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	164,908	1/2	180,550	1/2	196,150	1/2	211,731	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	165,235	3/4	180,875	3/4	196,475	3/4	212,052	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	165,562	9	181,200	9	196,800	9	212,373	9	9	9	9	9	9	9	9	9	9	9	9
1/4	165,888	1/4	181,525	1/4	197,125	1/4	212,694	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	166,215	1/2	181,850	1/2	197,450	1/2	213,015	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	166,542	3/4	182,175	3/4	197,775	3/4	213,336	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	166,869	10	182,500	10	198,100	10	213,657	10	10	10	10	10	10	10	10	10	10	10	10
1/4	167,196	1/4	182,825	1/4	198,425	1/4	213,977	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	167,523	1/2	183,150	1/2	198,750	1/2	214,297	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	167,849	3/4	183,475	3/4	199,075	3/4	214,617	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	168,176	11	183,800	11	199,400	11	214,937	11	11	11	11	11	11	11	11	11	11	11	11
1/4	168,503	1/4	184,125	1/4	199,725	1/4	215,256	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	168,830	1/2	184,450	1/2	200,050	1/2	215,575	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	169,157	3/4	184,775	3/4	200,375	3/4	215,894	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/12/2013 SW
CALCULATED: 03/14/2013 CL
PRINTED: 03/16/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2013

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



BARGE "CBC 316"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	584	0	13,214	0	28,373	0	44,026	0	59,711	0	75,403	0	91,095	0	106,786	0	122,478	0	138,168
1/4	718	1/4	13,515	1/4	28,700	1/4	44,352	1/4	60,038	1/4	75,730	1/4	91,422	1/4	107,113	1/4	122,805	1/4	138,495
1/2	853	1/2	13,815	1/2	29,027	1/2	44,678	1/2	60,365	1/2	76,057	1/2	91,749	1/2	107,440	1/2	123,132	1/2	138,822
3/4	988	3/4	14,116	3/4	29,354	3/4	45,004	3/4	60,692	3/4	76,384	3/4	92,075	3/4	107,767	3/4	123,459	3/4	139,149
1	1,122	1	14,416	1	29,681	1	45,331	1	61,019	1	76,711	1	92,402	1	108,094	1	123,786	1	139,476
1/4	1,334	1/4	14,720	1/4	30,007	1/4	45,657	1/4	61,346	1/4	77,038	1/4	92,729	1/4	108,421	1/4	124,113	1/4	139,803
1/2	1,546	1/2	15,024	1/2	30,334	1/2	45,983	1/2	61,673	1/2	77,364	1/2	93,056	1/2	108,748	1/2	124,440	1/2	140,129
3/4	1,758	3/4	15,328	3/4	30,660	3/4	46,310	3/4	62,000	3/4	77,691	3/4	93,383	3/4	109,075	3/4	124,767	3/4	140,456
2	1,970	2	15,632	2	30,986	2	46,636	2	62,326	2	78,018	2	93,710	2	109,402	2	125,094	2	140,783
1/4	2,230	1/4	15,940	1/4	31,313	1/4	46,963	1/4	62,653	1/4	78,345	1/4	94,037	1/4	109,729	1/4	125,420	1/4	141,110
1/2	2,490	1/2	16,247	1/2	31,639	1/2	47,290	1/2	62,980	1/2	78,672	1/2	94,364	1/2	110,056	1/2	125,747	1/2	141,437
3/4	2,750	3/4	16,554	3/4	31,966	3/4	47,616	3/4	63,307	3/4	78,999	3/4	94,691	3/4	110,383	3/4	126,074	3/4	141,764
3	3,010	3	16,862	3	32,292	3	47,943	3	63,634	3	79,326	3	95,018	3	110,709	3	126,401	3	142,090
1/4	3,280	1/4	17,172	1/4	32,619	1/4	48,269	1/4	63,961	1/4	79,653	1/4	95,345	1/4	111,036	1/4	126,728	1/4	142,417
1/2	3,549	1/2	17,483	1/2	32,945	1/2	48,596	1/2	64,288	1/2	79,980	1/2	95,671	1/2	111,363	1/2	127,055	1/2	142,744
3/4	3,818	3/4	17,794	3/4	33,272	3/4	48,923	3/4	64,615	3/4	80,307	3/4	95,998	3/4	111,690	3/4	127,382	3/4	143,071
4	4,088	4	18,104	4	33,598	4	49,250	4	64,942	4	80,634	4	96,325	4	112,017	4	127,709	4	143,398
1/4	4,361	1/4	18,419	1/4	33,924	1/4	49,577	1/4	65,269	1/4	80,960	1/4	96,652	1/4	112,344	1/4	128,036	1/4	143,725
1/2	4,634	1/2	18,733	1/2	34,251	1/2	49,904	1/2	65,596	1/2	81,287	1/2	96,979	1/2	112,671	1/2	128,363	1/2	144,051
3/4	4,907	3/4	19,047	3/4	34,577	3/4	50,231	3/4	65,923	3/4	81,614	3/4	97,306	3/4	112,998	3/4	128,690	3/4	144,378
5	5,180	5	19,361	5	34,904	5	50,558	5	66,249	5	81,941	5	97,633	5	113,325	5	129,016	5	144,705
1/4	5,457	1/4	19,679	1/4	35,229	1/4	50,885	1/4	66,576	1/4	82,268	1/4	97,960	1/4	113,652	1/4	129,343	1/4	145,032
1/2	5,734	1/2	19,996	1/2	35,555	1/2	51,211	1/2	66,903	1/2	82,595	1/2	98,287	1/2	113,979	1/2	129,670	1/2	145,359
3/4	6,011	3/4	20,314	3/4	35,881	3/4	51,538	3/4	67,230	3/4	82,922	3/4	98,614	3/4	114,305	3/4	129,997	3/4	145,686
6	6,287	6	20,631	6	36,207	6	51,865	6	67,557	6	83,249	6	98,941	6	114,632	6	130,324	6	146,012
1/4	6,567	1/4	20,952	1/4	36,533	1/4	52,192	1/4	67,884	1/4	83,576	1/4	99,268	1/4	114,959	1/4	130,651	1/4	146,339
1/2	6,847	1/2	21,273	1/2	36,858	1/2	52,519	1/2	68,211	1/2	83,903	1/2	99,594	1/2	115,286	1/2	130,978	1/2	146,666
3/4	7,128	3/4	21,594	3/4	37,184	3/4	52,846	3/4	68,538	3/4	84,230	3/4	99,921	3/4	115,613	3/4	131,305	3/4	146,993
7	7,408	7	21,915	7	37,510	7	53,173	7	68,865	7	84,556	7	100,248	7	115,940	7	131,632	7	147,320
1/4	7,691	1/4	22,232	1/4	37,835	1/4	53,500	1/4	69,192	1/4	84,883	1/4	100,575	1/4	116,267	1/4	131,959	1/4	147,647
1/2	7,975	1/2	22,549	1/2	38,161	1/2	53,827	1/2	69,519	1/2	85,210	1/2	100,902	1/2	116,594	1/2	132,285	1/2	147,973
3/4	8,258	3/4	22,865	3/4	38,487	3/4	54,154	3/4	69,845	3/4	85,537	3/4	101,229	3/4	116,921	3/4	132,612	3/4	148,300
8	8,542	8	23,182	8	38,813	8	54,481	8	70,172	8	85,864	8	101,556	8	117,248	8	132,939	8	148,627
1/4	8,829	1/4	23,500	1/4	39,138	1/4	54,808	1/4	70,499	1/4	86,191	1/4	101,883	1/4	117,575	1/4	133,266	1/4	148,954
1/2	9,116	1/2	23,818	1/2	39,464	1/2	55,134	1/2	70,826	1/2	86,518	1/2	102,210	1/2	117,901	1/2	133,593	1/2	149,281
3/4	9,403	3/4	24,136	3/4	39,790	3/4	55,461	3/4	71,153	3/4	86,845	3/4	102,537	3/4	118,228	3/4	133,920	3/4	149,608
9	9,690	9	24,454	9	40,115	9	55,788	9	71,480	9	87,172	9	102,864	9	118,555	9	134,246	9	149,934
1/4	9,980	1/4	24,780	1/4	40,441	1/4	56,115	1/4	71,807	1/4	87,499	1/4	103,190	1/4	118,882	1/4	134,573	1/4	150,261
1/2	10,270	1/2	25,106	1/2	40,767	1/2	56,442	1/2	72,134	1/2	87,826	1/2	103,517	1/2	119,209	1/2	134,900	1/2	150,588
3/4	10,561	3/4	25,432	3/4	41,093	3/4	56,769	3/4	72,461	3/4	88,153	3/4	103,844	3/4	119,536	3/4	135,227	3/4	150,915
10	10,851	10	25,758	10	41,418	10	57,096	10	72,788	10	88,479	10	104,171	10	119,863	10	135,554	10	151,242
1/4	11,145	1/4	26,085	1/4	41,744	1/4	57,423	1/4	73,115	1/4	88,806	1/4	104,498	1/4	120,190	1/4	135,881	1/4	151,569
1/2	11,438	1/2	26,412	1/2	42,070	1/2	57,750	1/2	73,441	1/2	89,133	1/2	104,825	1/2	120,517	1/2	136,207	1/2	151,896
3/4	11,732	3/4	26,738	3/4	42,396	3/4	58,077	3/4	73,768	3/4	89,460	3/4	105,152	3/4	120,844	3/4	136,534	3/4	152,222
11	12,026	11	27,065	11	42,721	11	58,404	11	74,095	11	89,787	11	105,479	11	121,171	11	136,861	11	152,549
1/4	12,323	1/4	27,392	1/4	43,047	1/4	58,730	1/4	74,422	1/4	90,114	1/4	105,806	1/4	121,498	1/4	137,188	1/4	152,876
1/2	12,620	1/2	27,719	1/2	43,373	1/2	59,057	1/2	74,749	1/2	90,441	1/2	106,133	1/2	121,824	1/2	137,515	1/2	153,203
3/4	12,917	3/4	28,046	3/4	43,700	3/4	59,384	3/4	75,076	3/4	90,768	3/4	106,460	3/4	122,151	3/4	137,842	3/4	153,530

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 316"

1 STBD
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	153,857	0	169,545	0	185,161	0	200,761	0	216,274	0		0		0		0		0	
1/4	154,183	1/4	169,871	1/4	185,486	1/4	201,086	1/4	216,587	1/4		1/4		1/4		1/4		1/4	
1/2	154,510	1/2	170,198	1/2	185,811	1/2	201,411	1/2	216,900	1/2		1/2		1/2		1/2		1/2	
3/4	154,837	3/4	170,525	3/4	186,136	3/4	201,736	3/4	217,213	3/4		3/4		3/4		3/4		3/4	
1	155,164	1	170,852	1	186,461	1	202,061	1	217,526	1		1		1		1		1	
1/4	155,491	1/4	171,179	1/4	186,786	1/4	202,386	1/4	217,799	1/4		1/4		1/4		1/4		1/4	
1/2	155,818	1/2	171,506	1/2	187,111	1/2	202,711	1/2	218,072	1/2		1/2		1/2		1/2		1/2	
3/4	156,144	3/4	171,832	3/4	187,436	3/4	203,036	3/4	218,344	3/4		3/4		3/4		3/4		3/4	
2	156,471	2	172,159	2	187,761	2	203,361	2	218,617	2		2		2		2		2	
1/4	156,798	1/4	172,484	1/4	188,086	1/4	203,686	1/4	218,837	1/4		1/4		1/4		1/4		1/4	
1/2	157,125	1/2	172,810	1/2	188,411	1/2	204,011	1/2	219,056	1/2		1/2		1/2		1/2		1/2	
3/4	157,452	3/4	173,135	3/4	188,736	3/4	204,336	3/4	219,276	3/4		3/4		3/4		3/4		3/4	
3	157,779	3	173,460	3	189,061	3	204,661	3	219,495	3		3		3		3		3	
1/4	158,105	1/4	173,785	1/4	189,386	1/4	204,986	1/4	219,660	1/4		1/4		1/4		1/4		1/4	
1/2	158,432	1/2	174,110	1/2	189,711	1/2	205,311	1/2	219,825	1/2		1/2		1/2		1/2		1/2	
3/4	158,759	3/4	174,435	3/4	190,036	3/4	205,636	3/4		3/4		3/4		3/4		3/4		3/4	
4	159,086	4	174,760	4	190,361	4	205,961	4		4		4		4		4		4	
1/4	159,413	1/4	175,085	1/4	190,686	1/4	206,286	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,740	1/2	175,410	1/2	191,011	1/2	206,611	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,066	3/4	175,735	3/4	191,336	3/4	206,936	3/4		3/4		3/4		3/4		3/4		3/4	
5	160,393	5	176,060	5	191,661	5	207,261	5		5		5		5		5		5	
1/4	160,720	1/4	176,385	1/4	191,986	1/4	207,586	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,047	1/2	176,710	1/2	192,311	1/2	207,911	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,374	3/4	177,035	3/4	192,636	3/4	208,236	3/4		3/4		3/4		3/4		3/4		3/4	
6	161,701	6	177,360	6	192,961	6	208,561	6		6		6		6		6		6	
1/4	162,027	1/4	177,685	1/4	193,286	1/4	208,886	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,354	1/2	178,010	1/2	193,611	1/2	209,211	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,681	3/4	178,335	3/4	193,936	3/4	209,536	3/4		3/4		3/4		3/4		3/4		3/4	
7	163,008	7	178,660	7	194,261	7	209,861	7		7		7		7		7		7	
1/4	163,335	1/4	178,985	1/4	194,586	1/4	210,183	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,662	1/2	179,310	1/2	194,911	1/2	210,505	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,988	3/4	179,635	3/4	195,236	3/4	210,827	3/4		3/4		3/4		3/4		3/4		3/4	
8	164,315	8	179,960	8	195,561	8	211,149	8		8		8		8		8		8	
1/4	164,642	1/4	180,285	1/4	195,886	1/4	211,470	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,969	1/2	180,610	1/2	196,211	1/2	211,792	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	165,296	3/4	180,935	3/4	196,536	3/4	212,113	3/4		3/4		3/4		3/4		3/4		3/4	
9	165,623	9	181,260	9	196,861	9	212,434	9		9		9		9		9		9	
1/4	165,949	1/4	181,585	1/4	197,186	1/4	212,755	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	166,276	1/2	181,910	1/2	197,511	1/2	213,076	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	166,603	3/4	182,235	3/4	197,836	3/4	213,397	3/4		3/4		3/4		3/4		3/4		3/4	
10	166,930	10	182,560	10	198,161	10	213,718	10		10		10		10		10		10	
1/4	167,257	1/4	182,885	1/4	198,486	1/4	214,038	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	167,584	1/2	183,210	1/2	198,811	1/2	214,358	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	167,910	3/4	183,535	3/4	199,136	3/4	214,678	3/4		3/4		3/4		3/4		3/4		3/4	
11	168,237	11	183,860	11	199,461	11	214,998	11		11		11		11		11		11	
1/4	168,564	1/4	184,186	1/4	199,786	1/4	215,317	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	168,891	1/2	184,511	1/2	200,111	1/2	215,636	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	169,218	3/4	184,836	3/4	200,436	3/4	215,955	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/12/2013 SW
CALCULATED: 03/14/2013 CL
PRINTED: 03/16/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 316"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-05"

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	15,017	0	30,179	0	45,160	0	60,244	0	75,406	0	90,569	0	105,731	0	120,894	0	136,055
1/4	781	1/4	15,332	1/4	30,494	1/4	45,470	1/4	60,560	1/4	75,722	1/4	90,885	1/4	106,047	1/4	121,209	1/4	136,370
1/2	968	1/2	15,648	1/2	30,810	1/2	45,779	1/2	60,875	1/2	76,038	1/2	91,200	1/2	106,363	1/2	121,525	1/2	136,686
3/4	1,156	3/4	15,964	3/4	31,126	3/4	46,088	3/4	61,191	3/4	76,354	3/4	91,516	3/4	106,679	3/4	121,841	3/4	137,002
1	1,343	1	16,280	1	31,442	1	46,398	1	61,507	1	76,670	1	91,832	1	106,995	1	122,157	1	137,318
1/4	1,610	1/4	16,596	1/4	31,758	1/4	46,707	1/4	61,823	1/4	76,986	1/4	92,148	1/4	107,311	1/4	122,473	1/4	137,634
1/2	1,876	1/2	16,912	1/2	32,074	1/2	47,017	1/2	62,139	1/2	77,301	1/2	92,464	1/2	107,626	1/2	122,789	1/2	137,949
3/4	2,143	3/4	17,228	3/4	32,390	3/4	47,327	3/4	62,455	3/4	77,617	3/4	92,780	3/4	107,942	3/4	123,105	3/4	138,265
2	2,409	2	17,544	2	32,706	2	47,636	2	62,771	2	77,933	2	93,096	2	108,258	2	123,421	2	138,581
1/4	2,719	1/4	17,859	1/4	33,021	1/4	47,946	1/4	63,087	1/4	78,249	1/4	93,412	1/4	108,574	1/4	123,737	1/4	138,897
1/2	3,029	1/2	18,175	1/2	33,337	1/2	48,256	1/2	63,403	1/2	78,565	1/2	93,727	1/2	108,890	1/2	124,052	1/2	139,213
3/4	3,338	3/4	18,491	3/4	33,653	3/4	48,565	3/4	63,718	3/4	78,881	3/4	94,043	3/4	109,206	3/4	124,368	3/4	139,528
3	3,648	3	18,807	3	33,969	3	48,875	3	64,034	3	79,197	3	94,359	3	109,522	3	124,684	3	139,844
1/4	3,963	1/4	19,123	1/4	34,285	1/4	49,190	1/4	64,350	1/4	79,513	1/4	94,675	1/4	109,838	1/4	125,000	1/4	140,160
1/2	4,278	1/2	19,439	1/2	34,601	1/2	49,505	1/2	64,666	1/2	79,829	1/2	94,991	1/2	110,154	1/2	125,316	1/2	140,476
3/4	4,594	3/4	19,755	3/4	34,917	3/4	49,820	3/4	64,982	3/4	80,144	3/4	95,307	3/4	110,469	3/4	125,632	3/4	140,792
4	4,909	4	20,071	4	35,233	4	50,135	4	65,298	4	80,460	4	95,623	4	110,785	4	125,948	4	141,108
1/4	5,225	1/4	20,386	1/4	35,548	1/4	50,451	1/4	65,614	1/4	80,776	1/4	95,939	1/4	111,101	1/4	126,264	1/4	141,423
1/2	5,540	1/2	20,702	1/2	35,864	1/2	50,767	1/2	65,930	1/2	81,092	1/2	96,255	1/2	111,417	1/2	126,580	1/2	141,739
3/4	5,856	3/4	21,018	3/4	36,180	3/4	51,083	3/4	66,245	3/4	81,408	3/4	96,570	3/4	111,733	3/4	126,895	3/4	142,055
5	6,172	5	21,334	5	36,496	5	51,399	5	66,561	5	81,724	5	96,886	5	112,049	5	127,211	5	142,371
1/4	6,488	1/4	21,650	1/4	36,806	1/4	51,715	1/4	66,877	1/4	82,040	1/4	97,202	1/4	112,365	1/4	127,527	1/4	142,687
1/2	6,804	1/2	21,966	1/2	37,116	1/2	52,031	1/2	67,193	1/2	82,356	1/2	97,518	1/2	112,681	1/2	127,843	1/2	143,002
3/4	7,120	3/4	22,282	3/4	37,427	3/4	52,347	3/4	67,509	3/4	82,672	3/4	97,834	3/4	112,996	3/4	128,159	3/4	143,318
6	7,436	6	22,598	6	37,737	6	52,662	6	67,825	6	82,987	6	98,150	6	113,312	6	128,475	6	143,634
1/4	7,751	1/4	22,913	1/4	38,046	1/4	52,978	1/4	68,141	1/4	83,303	1/4	98,466	1/4	113,628	1/4	128,791	1/4	143,950
1/2	8,067	1/2	23,229	1/2	38,355	1/2	53,294	1/2	68,457	1/2	83,619	1/2	98,782	1/2	113,944	1/2	129,107	1/2	144,266
3/4	8,383	3/4	23,545	3/4	38,665	3/4	53,610	3/4	68,773	3/4	83,935	3/4	99,098	3/4	114,260	3/4	129,423	3/4	144,581
7	8,699	7	23,861	7	38,974	7	53,926	7	69,088	7	84,251	7	99,413	7	114,576	7	129,738	7	144,897
1/4	9,015	1/4	24,177	1/4	39,283	1/4	54,242	1/4	69,404	1/4	84,567	1/4	99,729	1/4	114,892	1/4	130,054	1/4	145,213
1/2	9,331	1/2	24,493	1/2	39,593	1/2	54,558	1/2	69,720	1/2	84,883	1/2	100,045	1/2	115,208	1/2	130,370	1/2	145,529
3/4	9,647	3/4	24,809	3/4	39,902	3/4	54,874	3/4	70,036	3/4	85,199	3/4	100,361	3/4	115,524	3/4	130,686	3/4	145,845
8	9,963	8	25,125	8	40,211	8	55,190	8	70,352	8	85,514	8	100,677	8	115,839	8	131,002	8	146,160
1/4	10,278	1/4	25,440	1/4	40,521	1/4	55,505	1/4	70,668	1/4	85,830	1/4	100,993	1/4	116,155	1/4	131,317	1/4	146,476
1/2	10,594	1/2	25,756	1/2	40,830	1/2	55,821	1/2	70,984	1/2	86,146	1/2	101,309	1/2	116,471	1/2	131,633	1/2	146,792
3/4	10,910	3/4	26,072	3/4	41,139	3/4	56,137	3/4	71,300	3/4	86,462	3/4	101,625	3/4	116,787	3/4	131,949	3/4	147,108
9	11,226	9	26,388	9	41,449	9	56,453	9	71,616	9	86,778	9	101,941	9	117,103	9	132,265	9	147,424
1/4	11,542	1/4	26,704	1/4	41,758	1/4	56,769	1/4	71,931	1/4	87,094	1/4	102,256	1/4	117,419	1/4	132,581	1/4	147,739
1/2	11,858	1/2	27,020	1/2	42,067	1/2	57,085	1/2	72,247	1/2	87,410	1/2	102,572	1/2	117,735	1/2	132,897	1/2	148,055
3/4	12,174	3/4	27,336	3/4	42,377	3/4	57,401	3/4	72,563	3/4	87,726	3/4	102,888	3/4	118,051	3/4	133,212	3/4	148,371
10	12,490	10	27,652	10	42,686	10	57,717	10	72,879	10	88,042	10	103,204	10	118,367	10	133,528	10	148,687
1/4	12,805	1/4	27,967	1/4	42,995	1/4	58,032	1/4	73,195	1/4	88,357	1/4	103,520	1/4	118,682	1/4	133,844	1/4	149,003
1/2	13,121	1/2	28,283	1/2	43,305	1/2	58,348	1/2	73,511	1/2	88,673	1/2	103,836	1/2	118,998	1/2	134,160	1/2	149,318
3/4	13,437	3/4	28,599	3/4	43,614	3/4	58,664	3/4	73,827	3/4	88,989	3/4	104,152	3/4	119,314	3/4	134,476	3/4	149,634
11	13,753	11	28,915	11	43,923	11	58,980	11	74,143	11	89,305	11	104,468	11	119,630	11	134,791	11	149,950
1/4	14,069	1/4	29,231	1/4	44,232	1/4	59,296	1/4	74,459	1/4	89,621	1/4	104,783	1/4	119,946	1/4	135,107	1/4	150,266
1/2	14,385	1/2	29,547	1/2	44,542	1/2	59,612	1/2	74,774	1/2	89,937	1/2	105,099	1/2	120,262	1/2	135,423	1/2	150,582
3/4	14,701	3/4	29,863	3/4	44,851	3/4	59,928	3/4	75,090	3/4	90,253	3/4	105,415	3/4	120,578	3/4	135,739	3/4	150,898

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
<http://www.pmacorp.net>



BARGE "CBC 316"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-05"

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	151,213	0	166,372	0	181,459	0	196,530	0	211,514	0		0		0		0		0	
1/4	151,529	1/4	166,688	1/4	181,773	1/4	196,844	1/4	211,816	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	151,845	1/2	167,004	1/2	182,087	1/2	197,158	1/2	212,119	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	152,161	3/4	167,320	3/4	182,401	3/4	197,472	3/4	212,421	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	152,477	1	167,635	1	182,715	1	197,786	1	212,723	1	1	1	1	1	1	1	1	1	1
1/4	152,792	1/4	167,951	1/4	183,029	1/4	198,100	1/4	212,987	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	153,108	1/2	168,267	1/2	183,343	1/2	198,414	1/2	213,250	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	153,424	3/4	168,583	3/4	183,657	3/4	198,728	3/4	213,513	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	153,740	2	168,899	2	183,971	2	199,042	2	213,777	2	2	2	2	2	2	2	2	2	2
1/4	154,056	1/4	169,213	1/4	184,285	1/4	199,356	1/4	213,989	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	154,371	1/2	169,527	1/2	184,599	1/2	199,670	1/2	214,201	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	154,687	3/4	169,841	3/4	184,913	3/4	199,984	3/4	214,413	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	155,003	3	170,155	3	185,227	3	200,298	3	214,624	3	3	3	3	3	3	3	3	3	3
1/4	155,319	1/4	170,469	1/4	185,541	1/4	200,612	1/4	214,784	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	155,635	1/2	170,783	1/2	185,854	1/2	200,926	1/2	214,943	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	155,950	3/4	171,097	3/4	186,168	3/4	201,240	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	156,266	4	171,411	4	186,482	4	201,554	4		4	4	4	4	4	4	4	4	4	4
1/4	156,582	1/4	171,725	1/4	186,796	1/4	201,868	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	156,898	1/2	172,039	1/2	187,110	1/2	202,182	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	157,214	3/4	172,353	3/4	187,424	3/4	202,496	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	157,529	5	172,667	5	187,738	5	202,810	5		5	5	5	5	5	5	5	5	5	5
1/4	157,845	1/4	172,981	1/4	188,052	1/4	203,124	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	158,161	1/2	173,295	1/2	188,366	1/2	203,437	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	158,477	3/4	173,609	3/4	188,680	3/4	203,751	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	158,793	6	173,923	6	188,994	6	204,065	6		6	6	6	6	6	6	6	6	6	6
1/4	159,109	1/4	174,237	1/4	189,308	1/4	204,379	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	159,424	1/2	174,551	1/2	189,622	1/2	204,693	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	159,740	3/4	174,865	3/4	189,936	3/4	205,007	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	160,056	7	175,179	7	190,250	7	205,321	7		7	7	7	7	7	7	7	7	7	7
1/4	160,372	1/4	175,493	1/4	190,564	1/4	205,635	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	160,688	1/2	175,807	1/2	190,878	1/2	205,949	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	161,003	3/4	176,121	3/4	191,192	3/4	206,263	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	161,319	8	176,435	8	191,506	8	206,577	8		8	8	8	8	8	8	8	8	8	8
1/4	161,635	1/4	176,749	1/4	191,820	1/4	206,891	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	161,951	1/2	177,063	1/2	192,134	1/2	207,205	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	162,267	3/4	177,377	3/4	192,448	3/4	207,519	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	162,582	9	177,691	9	192,762	9	207,833	9		9	9	9	9	9	9	9	9	9	9
1/4	162,898	1/4	178,005	1/4	193,076	1/4	208,147	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	163,214	1/2	178,319	1/2	193,390	1/2	208,461	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	163,530	3/4	178,633	3/4	193,704	3/4	208,775	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	163,846	10	178,947	10	194,018	10	209,089	10		10	10	10	10	10	10	10	10	10	10
1/4	164,161	1/4	179,261	1/4	194,332	1/4	209,403	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	164,477	1/2	179,575	1/2	194,646	1/2	209,717	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	164,793	3/4	179,889	3/4	194,960	3/4	209,973	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	165,109	11	180,203	11	195,274	11	210,287	11		11	11	11	11	11	11	11	11	11	11
1/4	165,425	1/4	180,517	1/4	195,588	1/4	210,599	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	165,740	1/2	180,831	1/2	195,902	1/2	210,898	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	166,056	3/4	181,145	3/4	196,216	3/4	211,206	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/12/2013 SW
CALCULATED: 03/14/2013 CL
PRINTED: 03/16/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 316"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 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	15,017	0	30,179	0	45,055	0	60,165	0	75,327	0	90,490	0	105,652	0	120,815	0	135,976
1/4	781	1/4	15,332	1/4	30,494	1/4	45,362	1/4	60,481	1/4	75,643	1/4	90,806	1/4	105,968	1/4	121,131	1/4	136,292
1/2	968	1/2	15,648	1/2	30,810	1/2	45,670	1/2	60,797	1/2	75,959	1/2	91,122	1/2	106,284	1/2	121,447	1/2	136,607
3/4	1,156	3/4	15,964	3/4	31,126	3/4	45,978	3/4	61,112	3/4	76,275	3/4	91,437	3/4	106,600	3/4	121,762	3/4	136,923
1	1,343	1	16,280	1	31,442	1	46,285	1	61,428	1	76,591	1	91,753	1	106,916	1	122,078	1	137,239
1/4	1,610	1/4	16,596	1/4	31,758	1/4	46,598	1/4	61,744	1/4	76,907	1/4	92,069	1/4	107,232	1/4	122,394	1/4	137,555
1/2	1,876	1/2	16,912	1/2	32,074	1/2	46,912	1/2	62,060	1/2	77,223	1/2	92,385	1/2	107,548	1/2	122,710	1/2	137,871
3/4	2,143	3/4	17,228	3/4	32,390	3/4	47,225	3/4	62,376	3/4	77,539	3/4	92,701	3/4	107,864	3/4	123,026	3/4	138,186
2	2,409	2	17,544	2	32,706	2	47,538	2	62,692	2	77,854	2	93,017	2	108,179	2	123,342	2	138,502
1/4	2,719	1/4	17,859	1/4	33,021	1/4	47,852	1/4	63,008	1/4	78,170	1/4	93,333	1/4	108,495	1/4	123,658	1/4	138,818
1/2	3,028	1/2	18,175	1/2	33,337	1/2	48,166	1/2	63,324	1/2	78,486	1/2	93,649	1/2	108,811	1/2	123,974	1/2	139,134
3/4	3,338	3/4	18,491	3/4	33,653	3/4	48,480	3/4	63,640	3/4	78,802	3/4	93,965	3/4	109,127	3/4	124,290	3/4	139,450
3	3,648	3	18,807	3	33,969	3	48,794	3	63,955	3	79,118	3	94,280	3	109,443	3	124,605	3	139,765
1/4	3,963	1/4	19,123	1/4	34,278	1/4	49,110	1/4	64,271	1/4	79,434	1/4	94,596	1/4	109,759	1/4	124,921	1/4	140,081
1/2	4,278	1/2	19,439	1/2	34,588	1/2	49,425	1/2	64,587	1/2	79,750	1/2	94,912	1/2	110,075	1/2	125,237	1/2	140,397
3/4	4,594	3/4	19,755	3/4	34,897	3/4	49,741	3/4	64,903	3/4	80,066	3/4	95,228	3/4	110,391	3/4	125,553	3/4	140,713
4	4,909	4	20,071	4	35,206	4	50,057	4	65,219	4	80,381	4	95,544	4	110,706	4	125,869	4	141,029
1/4	5,225	1/4	20,386	1/4	35,515	1/4	50,372	1/4	65,535	1/4	80,697	1/4	95,860	1/4	111,022	1/4	126,185	1/4	141,344
1/2	5,540	1/2	20,702	1/2	35,823	1/2	50,688	1/2	65,851	1/2	81,013	1/2	96,176	1/2	111,338	1/2	126,501	1/2	141,660
3/4	5,856	3/4	21,018	3/4	36,131	3/4	51,004	3/4	66,167	3/4	81,329	3/4	96,492	3/4	111,654	3/4	126,817	3/4	141,976
5	6,172	5	21,334	5	36,440	5	51,320	5	66,483	5	81,645	5	96,808	5	111,970	5	127,133	5	142,292
1/4	6,488	1/4	21,650	1/4	36,748	1/4	51,636	1/4	66,798	1/4	81,961	1/4	97,123	1/4	112,286	1/4	127,448	1/4	142,608
1/2	6,804	1/2	21,966	1/2	37,055	1/2	51,952	1/2	67,114	1/2	82,277	1/2	97,439	1/2	112,602	1/2	127,764	1/2	142,924
3/4	7,120	3/4	22,282	3/4	37,363	3/4	52,268	3/4	67,430	3/4	82,593	3/4	97,755	3/4	112,918	3/4	128,080	3/4	143,239
6	7,436	6	22,598	6	37,671	6	52,584	6	67,746	6	82,909	6	98,071	6	113,234	6	128,396	6	143,555
1/4	7,751	1/4	22,913	1/4	37,978	1/4	52,899	1/4	68,062	1/4	83,224	1/4	98,387	1/4	113,549	1/4	128,712	1/4	143,871
1/2	8,067	1/2	23,229	1/2	38,286	1/2	53,215	1/2	68,378	1/2	83,540	1/2	98,703	1/2	113,865	1/2	129,028	1/2	144,187
3/4	8,383	3/4	23,545	3/4	38,594	3/4	53,531	3/4	68,694	3/4	83,856	3/4	99,019	3/4	114,181	3/4	129,344	3/4	144,503
7	8,699	7	23,861	7	38,901	7	53,847	7	69,010	7	84,172	7	99,335	7	114,497	7	129,660	7	144,818
1/4	9,015	1/4	24,177	1/4	39,209	1/4	54,163	1/4	69,326	1/4	84,488	1/4	99,650	1/4	114,813	1/4	129,975	1/4	145,134
1/2	9,331	1/2	24,493	1/2	39,517	1/2	54,479	1/2	69,641	1/2	84,804	1/2	99,966	1/2	115,129	1/2	130,291	1/2	145,450
3/4	9,647	3/4	24,809	3/4	39,824	3/4	54,795	3/4	69,957	3/4	85,120	3/4	100,282	3/4	115,445	3/4	130,607	3/4	145,766
8	9,963	8	25,125	8	40,132	8	55,111	8	70,273	8	85,436	8	100,598	8	115,761	8	130,923	8	146,082
1/4	10,278	1/4	25,440	1/4	40,440	1/4	55,427	1/4	70,589	1/4	85,752	1/4	100,914	1/4	116,077	1/4	131,239	1/4	146,397
1/2	10,594	1/2	25,756	1/2	40,747	1/2	55,742	1/2	70,905	1/2	86,067	1/2	101,230	1/2	116,392	1/2	131,554	1/2	146,713
3/4	10,910	3/4	26,072	3/4	41,055	3/4	56,058	3/4	71,221	3/4	86,383	3/4	101,546	3/4	116,708	3/4	131,870	3/4	147,029
9	11,226	9	26,388	9	41,363	9	56,374	9	71,537	9	86,699	9	101,862	9	117,024	9	132,186	9	147,345
1/4	11,542	1/4	26,704	1/4	41,670	1/4	56,690	1/4	71,853	1/4	87,015	1/4	102,178	1/4	117,340	1/4	132,502	1/4	147,661
1/2	11,858	1/2	27,020	1/2	41,978	1/2	57,006	1/2	72,168	1/2	87,331	1/2	102,493	1/2	117,656	1/2	132,818	1/2	147,976
3/4	12,174	3/4	27,336	3/4	42,286	3/4	57,322	3/4	72,484	3/4	87,647	3/4	102,809	3/4	117,972	3/4	133,133	3/4	148,292
10	12,490	10	27,652	10	42,593	10	57,638	10	72,800	10	87,963	10	103,125	10	118,288	10	133,449	10	148,608
1/4	12,805	1/4	27,967	1/4	42,901	1/4	57,954	1/4	73,116	1/4	88,279	1/4	103,441	1/4	118,604	1/4	133,765	1/4	148,924
1/2	13,121	1/2	28,283	1/2	43,209	1/2	58,270	1/2	73,432	1/2	88,595	1/2	103,757	1/2	118,919	1/2	134,081	1/2	149,240
3/4	13,437	3/4	28,599	3/4	43,516	3/4	58,585	3/4	73,748	3/4	88,910	3/4	104,073	3/4	119,235	3/4	134,397	3/4	149,555
11	13,753	11	28,915	11	43,824	11	58,901	11	74,064	11	89,226	11	104,389	11	119,551	11	134,713	11	149,871
1/4	14,069	1/4	29,231	1/4	44,132	1/4	59,217	1/4	74,380	1/4	89,542	1/4	104,705	1/4	119,867	1/4	135,028	1/4	150,187
1/2	14,385	1/2	29,547	1/2	44,439	1/2	59,533	1/2	74,696	1/2	89,858	1/2	105,021	1/2	120,183	1/2	135,344	1/2	150,503
3/4	14,701	3/4	29,863	3/4	44,747	3/4	59,849	3/4	75,011	3/4	90,174	3/4	105,336	3/4	120,499	3/4	135,660	3/4	150,819

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
<http://www.pmacorp.net>



BARGE "CBC 316"

**2 STBD
INNAGE TABLE**

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 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	151,135	0	166,293	0	181,380	0	196,451	0	211,435	0		0		0		0		0	
1/4	151,450	1/4	166,609	1/4	181,694	1/4	196,765	1/4	211,737	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	151,766	1/2	166,925	1/2	182,008	1/2	197,079	1/2	212,040	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	152,082	3/4	167,241	3/4	182,322	3/4	197,393	3/4	212,342	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	152,398	1	167,556	1	182,636	1	197,707	1	212,644	1	1	1	1	1	1	1	1	1	1
1/4	152,714	1/4	167,872	1/4	182,950	1/4	198,021	1/4	212,908	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	153,029	1/2	168,188	1/2	183,264	1/2	198,335	1/2	213,171	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	153,345	3/4	168,504	3/4	183,578	3/4	198,649	3/4	213,435	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	153,661	2	168,820	2	183,892	2	198,963	2	213,698	2	2	2	2	2	2	2	2	2	2
1/4	153,977	1/4	169,134	1/4	184,206	1/4	199,277	1/4	213,910	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	154,293	1/2	169,448	1/2	184,520	1/2	199,591	1/2	214,122	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	154,608	3/4	169,762	3/4	184,834	3/4	199,905	3/4	214,334	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	154,924	3	170,077	3	185,148	3	200,219	3	214,546	3	3	3	3	3	3	3	3	3	3
1/4	155,240	1/4	170,391	1/4	185,462	1/4	200,533	1/4	214,705	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	155,556	1/2	170,705	1/2	185,776	1/2	200,847	1/2	214,864	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	155,872	3/4	171,019	3/4	186,090	3/4	201,161	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	156,187	4	171,332	4	186,404	4	201,475	4		4	4	4	4	4	4	4	4	4	4
1/4	156,503	1/4	171,646	1/4	186,718	1/4	201,789	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	156,819	1/2	171,960	1/2	187,032	1/2	202,103	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	157,135	3/4	172,274	3/4	187,346	3/4	202,417	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	157,451	5	172,588	5	187,660	5	202,731	5	5	5	5	5	5	5	5	5	5	5	5
1/4	157,766	1/4	172,902	1/4	187,974	1/4	203,045	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	158,082	1/2	173,216	1/2	188,288	1/2	203,359	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	158,398	3/4	173,530	3/4	188,602	3/4	203,673	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	158,714	6	173,844	6	188,916	6	203,987	6	6	6	6	6	6	6	6	6	6	6	6
1/4	159,030	1/4	174,158	1/4	189,229	1/4	204,301	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	159,345	1/2	174,472	1/2	189,543	1/2	204,615	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	159,661	3/4	174,786	3/4	189,857	3/4	204,929	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	159,977	7	175,100	7	190,171	7	205,243	7	7	7	7	7	7	7	7	7	7	7	7
1/4	160,293	1/4	175,414	1/4	190,485	1/4	205,557	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	160,609	1/2	175,728	1/2	190,799	1/2	205,864	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	160,925	3/4	176,042	3/4	191,113	3/4	206,175	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	161,240	8	176,356	8	191,427	8	206,486	8	8	8	8	8	8	8	8	8	8	8	8
1/4	161,556	1/4	176,670	1/4	191,741	1/4	206,796	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	161,872	1/2	176,984	1/2	192,055	1/2	207,107	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	162,188	3/4	177,298	3/4	192,369	3/4	207,417	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	162,504	9	177,612	9	192,683	9	207,727	9	9	9	9	9	9	9	9	9	9	9	9
1/4	162,819	1/4	177,926	1/4	192,997	1/4	208,037	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	163,135	1/2	178,240	1/2	193,311	1/2	208,347	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	163,451	3/4	178,554	3/4	193,625	3/4	208,657	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	163,767	10	178,868	10	193,939	10	208,967	10	10	10	10	10	10	10	10	10	10	10	10
1/4	164,083	1/4	179,182	1/4	194,253	1/4	209,276	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	164,398	1/2	179,496	1/2	194,567	1/2	209,585	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	164,714	3/4	179,810	3/4	194,881	3/4	209,894	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	165,030	11	180,124	11	195,195	11	210,203	11	11	11	11	11	11	11	11	11	11	11	11
1/4	165,346	1/4	180,438	1/4	195,509	1/4	210,511	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	165,662	1/2	180,752	1/2	195,823	1/2	210,819	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	165,977	3/4	181,066	3/4	196,137	3/4	211,127	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/12/2013 SW
CALCULATED: 03/14/2013 CL
PRINTED: 03/16/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2013

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



BARGE "CBC 316"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	610	0	15,457	0	31,058	0	46,384	0	61,785	0	77,351	0	92,915	0	108,429	0	123,981	0	139,535
1/4	803	1/4	15,783	1/4	31,382	1/4	46,700	1/4	62,109	1/4	77,675	1/4	93,238	1/4	108,753	1/4	124,305	1/4	139,859
1/2	996	1/2	16,108	1/2	31,706	1/2	47,015	1/2	62,433	1/2	78,000	1/2	93,561	1/2	109,077	1/2	124,629	1/2	140,183
3/4	1,189	3/4	16,433	3/4	32,030	3/4	47,331	3/4	62,758	3/4	78,324	3/4	93,885	3/4	109,401	3/4	124,953	3/4	140,507
1	1,382	1	16,758	1	32,354	1	47,647	1	63,082	1	78,648	1	94,208	1	109,724	1	125,277	1	140,831
1/4	1,657	1/4	17,083	1/4	32,678	1/4	47,963	1/4	63,406	1/4	78,973	1/4	94,531	1/4	110,048	1/4	125,601	1/4	141,155
1/2	1,931	1/2	17,408	1/2	33,003	1/2	48,279	1/2	63,731	1/2	79,297	1/2	94,854	1/2	110,372	1/2	125,925	1/2	141,479
3/4	2,205	3/4	17,734	3/4	33,327	3/4	48,595	3/4	64,055	3/4	79,621	3/4	95,177	3/4	110,696	3/4	126,249	3/4	141,803
2	2,479	2	18,059	2	33,651	2	48,911	2	64,379	2	79,946	2	95,501	2	111,020	2	126,573	2	142,127
1/4	2,798	1/4	18,384	1/4	33,975	1/4	49,228	1/4	64,704	1/4	80,270	1/4	95,824	1/4	111,343	1/4	126,897	1/4	142,451
1/2	3,117	1/2	18,709	1/2	34,299	1/2	49,544	1/2	65,028	1/2	80,594	1/2	96,147	1/2	111,667	1/2	127,221	1/2	142,775
3/4	3,436	3/4	19,034	3/4	34,623	3/4	49,860	3/4	65,352	3/4	80,919	3/4	96,470	3/4	111,991	3/4	127,545	3/4	143,099
3	3,754	3	19,359	3	34,947	3	50,176	3	65,677	3	81,243	3	96,794	3	112,315	3	127,869	3	143,423
1/4	4,079	1/4	19,685	1/4	35,272	1/4	50,492	1/4	66,001	1/4	81,567	1/4	97,117	1/4	112,639	1/4	128,193	1/4	143,747
1/2	4,403	1/2	20,010	1/2	35,596	1/2	50,809	1/2	66,325	1/2	81,892	1/2	97,440	1/2	112,963	1/2	128,518	1/2	144,071
3/4	4,728	3/4	20,335	3/4	35,920	3/4	51,125	3/4	66,649	3/4	82,216	3/4	97,763	3/4	113,287	3/4	128,842	3/4	144,395
4	5,053	4	20,660	4	36,244	4	51,442	4	66,973	4	82,540	4	98,086	4	113,611	4	129,166	4	144,719
1/4	5,378	1/4	20,985	1/4	36,568	1/4	51,758	1/4	67,298	1/4	82,865	1/4	98,410	1/4	113,935	1/4	129,490	1/4	145,043
1/2	5,703	1/2	21,310	1/2	36,892	1/2	52,075	1/2	67,622	1/2	83,189	1/2	98,733	1/2	114,259	1/2	129,814	1/2	145,366
3/4	6,028	3/4	21,635	3/4	37,217	3/4	52,391	3/4	67,946	3/4	83,513	3/4	99,056	3/4	114,583	3/4	130,138	3/4	145,689
5	6,353	5	21,961	5	37,541	5	52,707	5	68,270	5	83,838	5	99,379	5	114,907	5	130,462	5	146,013
1/4	6,678	1/4	22,286	1/4	37,857	1/4	53,031	1/4	68,594	1/4	84,162	1/4	99,703	1/4	115,231	1/4	130,786	1/4	146,336
1/2	7,003	1/2	22,611	1/2	38,174	1/2	53,354	1/2	68,919	1/2	84,486	1/2	100,026	1/2	115,555	1/2	131,110	1/2	146,659
3/4	7,328	3/4	22,936	3/4	38,490	3/4	53,677	3/4	69,243	3/4	84,811	3/4	100,349	3/4	115,879	3/4	131,434	3/4	146,982
6	7,653	6	23,261	6	38,806	6	54,001	6	69,567	6	85,135	6	100,672	6	116,203	6	131,758	6	147,305
1/4	7,979	1/4	23,586	1/4	39,122	1/4	54,325	1/4	69,892	1/4	85,459	1/4	100,995	1/4	116,527	1/4	132,082	1/4	147,628
1/2	8,304	1/2	23,912	1/2	39,438	1/2	54,649	1/2	70,216	1/2	85,784	1/2	101,319	1/2	116,851	1/2	132,406	1/2	147,951
3/4	8,629	3/4	24,237	3/4	39,753	3/4	54,974	3/4	70,540	3/4	86,108	3/4	101,642	3/4	117,175	3/4	132,730	3/4	148,274
7	8,954	7	24,562	7	40,069	7	55,298	7	70,865	7	86,432	7	101,965	7	117,500	7	133,054	7	148,598
1/4	9,279	1/4	24,887	1/4	40,385	1/4	55,622	1/4	71,189	1/4	86,757	1/4	102,288	1/4	117,824	1/4	133,378	1/4	148,920
1/2	9,604	1/2	25,212	1/2	40,701	1/2	55,947	1/2	71,513	1/2	87,081	1/2	102,612	1/2	118,148	1/2	133,702	1/2	149,243
3/4	9,930	3/4	25,537	3/4	41,016	3/4	56,271	3/4	71,838	3/4	87,405	3/4	102,935	3/4	118,472	3/4	134,026	3/4	149,566
8	10,255	8	25,863	8	41,332	8	56,595	8	72,162	8	87,730	8	103,258	8	118,796	8	134,350	8	149,889
1/4	10,580	1/4	26,188	1/4	41,648	1/4	56,920	1/4	72,486	1/4	88,054	1/4	103,581	1/4	119,120	1/4	134,674	1/4	150,212
1/2	10,905	1/2	26,513	1/2	41,964	1/2	57,244	1/2	72,811	1/2	88,378	1/2	103,904	1/2	119,444	1/2	134,999	1/2	150,534
3/4	11,230	3/4	26,838	3/4	42,279	3/4	57,568	3/4	73,135	3/4	88,703	3/4	104,228	3/4	119,768	3/4	135,323	3/4	150,857
9	11,555	9	27,163	9	42,595	9	57,893	9	73,459	9	89,027	9	104,551	9	120,092	9	135,647	9	151,179
1/4	11,881	1/4	27,488	1/4	42,911	1/4	58,217	1/4	73,784	1/4	89,351	1/4	104,874	1/4	120,416	1/4	135,971	1/4	151,501
1/2	12,206	1/2	27,814	1/2	43,227	1/2	58,541	1/2	74,108	1/2	89,675	1/2	105,197	1/2	120,740	1/2	136,295	1/2	151,822
3/4	12,531	3/4	28,139	3/4	43,542	3/4	58,866	3/4	74,432	3/4	90,000	3/4	105,520	3/4	121,064	3/4	136,619	3/4	152,143
10	12,856	10	28,464	10	43,858	10	59,190	10	74,757	10	90,324	10	105,843	10	121,388	10	136,943	10	152,464
1/4	13,181	1/4	28,788	1/4	44,174	1/4	59,514	1/4	75,081	1/4	90,648	1/4	106,166	1/4	121,712	1/4	137,267	1/4	152,776
1/2	13,506	1/2	29,112	1/2	44,489	1/2	59,839	1/2	75,405	1/2	90,973	1/2	106,489	1/2	122,036	1/2	137,591	1/2	153,089
3/4	13,832	3/4	29,437	3/4	44,805	3/4	60,163	3/4	75,729	3/4	91,297	3/4	106,811	3/4	122,360	3/4	137,915	3/4	153,401
11	14,157	11	29,761	11	45,121	11	60,487	11	76,054	11	91,621	11	107,134	11	122,684	11	138,239	11	153,713
1/4	14,482	1/4	30,085	1/4	45,437	1/4	60,812	1/4	76,378	1/4	91,945	1/4	107,458	1/4	123,009	1/4	138,563	1/4	154,012
1/2	14,807	1/2	30,409	1/2	45,752	1/2	61,136	1/2	76,702	1/2	92,268	1/2	107,782	1/2	123,333	1/2	138,887	1/2	154,312
3/4	15,132	3/4	30,733	3/4	46,068	3/4	61,460	3/4	77,027	3/4	92,592	3/4	108,105	3/4	123,657	3/4	139,211	3/4	154,612

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE.
 GAUGE POINT: (MMC) LOCATED 11'-00" OFF CENTERLINE AND 44'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "CBC 316"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	154,911	0	167,209	0	179,142	0	191,064	0	202,918	0		0		0		0		0	
1/4	155,199	1/4	167,459	1/4	179,390	1/4	191,312	1/4	203,157	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	155,486	1/2	167,708	1/2	179,639	1/2	191,560	1/2	203,396	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	155,773	3/4	167,958	3/4	179,887	3/4	191,809	3/4	203,636	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	156,060	1	168,208	1	180,136	1	192,057	1	203,875	1	1	1	1	1	1	1	1	1	1
1/4	156,335	1/4	168,457	1/4	180,384	1/4	192,306	1/4	204,083	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	156,609	1/2	168,707	1/2	180,632	1/2	192,554	1/2	204,292	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	156,884	3/4	168,957	3/4	180,881	3/4	192,802	3/4	204,500	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	157,159	2	169,207	2	181,129	2	193,051	2	204,709	2	2	2	2	2	2	2	2	2	2
1/4	157,421	1/4	169,455	1/4	181,377	1/4	193,299	1/4	204,876	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	157,683	1/2	169,704	1/2	181,626	1/2	193,547	1/2	205,044	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	157,945	3/4	169,952	3/4	181,874	3/4	193,796	3/4	205,212	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	158,207	3	170,201	3	182,122	3	194,044	3	205,379	3	3	3	3	3	3	3	3	3	3
1/4	158,459	1/4	170,449	1/4	182,371	1/4	194,293	1/4	205,505	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	158,712	1/2	170,698	1/2	182,619	1/2	194,541	1/2	205,632	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	158,964	3/4	170,946	3/4	182,868	3/4	194,789	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	159,216	4	171,194	4	183,116	4	195,038	4		4	4	4	4	4	4	4	4	4	4
1/4	159,466	1/4	171,443	1/4	183,364	1/4	195,286	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	159,716	1/2	171,691	1/2	183,613	1/2	195,534	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	159,966	3/4	171,939	3/4	183,861	3/4	195,783	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	160,216	5	172,188	5	184,109	5	196,031	5		5	5	5	5	5	5	5	5	5	5
1/4	160,466	1/4	172,436	1/4	184,358	1/4	196,280	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	160,716	1/2	172,684	1/2	184,606	1/2	196,528	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	160,965	3/4	172,933	3/4	184,855	3/4	196,776	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	161,215	6	173,181	6	185,103	6	197,025	6		6	6	6	6	6	6	6	6	6	6
1/4	161,465	1/4	173,430	1/4	185,351	1/4	197,273	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	161,715	1/2	173,678	1/2	185,600	1/2	197,521	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	161,964	3/4	173,926	3/4	185,848	3/4	197,770	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	162,214	7	174,175	7	186,096	7	198,018	7		7	7	7	7	7	7	7	7	7	7
1/4	162,464	1/4	174,423	1/4	186,345	1/4	198,264	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	162,714	1/2	174,671	1/2	186,593	1/2	198,510	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	162,963	3/4	174,920	3/4	186,841	3/4	198,756	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	163,213	8	175,168	8	187,090	8	199,002	8		8	8	8	8	8	8	8	8	8	8
1/4	163,463	1/4	175,417	1/4	187,338	1/4	199,248	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	163,712	1/2	175,665	1/2	187,587	1/2	199,493	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	163,962	3/4	175,913	3/4	187,835	3/4	199,739	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	164,212	9	176,162	9	188,083	9	199,984	9		9	9	9	9	9	9	9	9	9	9
1/4	164,462	1/4	176,410	1/4	188,332	1/4	200,229	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	164,711	1/2	176,658	1/2	188,580	1/2	200,475	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	164,961	3/4	176,907	3/4	188,828	3/4	200,720	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	165,211	10	177,155	10	189,077	10	200,965	10		10	10	10	10	10	10	10	10	10	10
1/4	165,461	1/4	177,403	1/4	189,325	1/4	201,209	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	165,710	1/2	177,652	1/2	189,574	1/2	201,454	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	165,960	3/4	177,900	3/4	189,822	3/4	201,699	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	166,210	11	178,149	11	190,070	11	201,943	11		11	11	11	11	11	11	11	11	11	11
1/4	166,460	1/4	178,397	1/4	190,319	1/4	202,187	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	166,709	1/2	178,645	1/2	190,567	1/2	202,431	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	166,959	3/4	178,894	3/4	190,815	3/4	202,674	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/12/2013 SW
CALCULATED: 03/14/2013 CL
PRINTED: 03/16/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 316"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	610	0	15,457	0	31,058	0	46,191	0	61,459	0	77,026	0	92,589	0	108,104	0	123,655	0	139,209
1/4	803	1/4	15,783	1/4	31,382	1/4	46,500	1/4	61,783	1/4	77,350	1/4	92,913	1/4	108,427	1/4	123,979	1/4	139,533
1/2	996	1/2	16,108	1/2	31,706	1/2	46,809	1/2	62,108	1/2	77,674	1/2	93,236	1/2	108,751	1/2	124,303	1/2	139,857
3/4	1,189	3/4	16,433	3/4	32,030	3/4	47,117	3/4	62,432	3/4	77,999	3/4	93,559	3/4	109,075	3/4	124,627	3/4	140,182
1	1,382	1	16,758	1	32,354	1	47,426	1	62,756	1	78,323	1	93,882	1	109,399	1	124,951	1	140,506
1/4	1,657	1/4	17,083	1/4	32,678	1/4	47,736	1/4	63,081	1/4	78,647	1/4	94,205	1/4	109,723	1/4	125,275	1/4	140,830
1/2	1,931	1/2	17,408	1/2	33,003	1/2	48,045	1/2	63,405	1/2	78,972	1/2	94,529	1/2	110,046	1/2	125,600	1/2	141,154
3/4	2,205	3/4	17,734	3/4	33,327	3/4	48,354	3/4	63,729	3/4	79,296	3/4	94,852	3/4	110,370	3/4	125,924	3/4	141,478
2	2,479	2	18,059	2	33,651	2	48,663	2	64,054	2	79,620	2	95,175	2	110,694	2	126,248	2	141,802
1/4	2,798	1/4	18,384	1/4	33,975	1/4	48,973	1/4	64,378	1/4	79,945	1/4	95,498	1/4	111,018	1/4	126,572	1/4	142,126
1/2	3,117	1/2	18,709	1/2	34,299	1/2	49,283	1/2	64,702	1/2	80,269	1/2	95,822	1/2	111,342	1/2	126,896	1/2	142,450
3/4	3,436	3/4	19,034	3/4	34,623	3/4	49,593	3/4	65,027	3/4	80,593	3/4	96,145	3/4	111,665	3/4	127,220	3/4	142,774
3	3,754	3	19,359	3	34,947	3	49,903	3	65,351	3	80,918	3	96,468	3	111,989	3	127,544	3	143,098
1/4	4,079	1/4	19,685	1/4	35,272	1/4	50,213	1/4	65,675	1/4	81,242	1/4	96,791	1/4	112,313	1/4	127,868	1/4	143,422
1/2	4,403	1/2	20,010	1/2	35,596	1/2	50,523	1/2	65,999	1/2	81,566	1/2	97,114	1/2	112,637	1/2	128,192	1/2	143,746
3/4	4,728	3/4	20,335	3/4	35,920	3/4	50,833	3/4	66,324	3/4	81,891	3/4	97,438	3/4	112,961	3/4	128,516	3/4	144,070
4	5,053	4	20,660	4	36,244	4	51,144	4	66,648	4	82,215	4	97,761	4	113,285	4	128,840	4	144,394
1/4	5,378	1/4	20,985	1/4	36,568	1/4	51,454	1/4	66,972	1/4	82,539	1/4	98,084	1/4	113,609	1/4	129,164	1/4	144,717
1/2	5,703	1/2	21,310	1/2	36,891	1/2	51,764	1/2	67,296	1/2	82,863	1/2	98,407	1/2	113,933	1/2	129,488	1/2	145,041
3/4	6,028	3/4	21,635	3/4	37,215	3/4	52,075	3/4	67,620	3/4	83,188	3/4	98,731	3/4	114,257	3/4	129,812	3/4	145,364
5	6,353	5	21,961	5	37,538	5	52,385	5	67,945	5	83,512	5	99,054	5	114,582	5	130,136	5	145,687
1/4	6,678	1/4	22,286	1/4	37,848	1/4	52,708	1/4	68,269	1/4	83,836	1/4	99,377	1/4	114,906	1/4	130,460	1/4	146,010
1/2	7,003	1/2	22,611	1/2	38,159	1/2	53,030	1/2	68,593	1/2	84,161	1/2	99,700	1/2	115,230	1/2	130,784	1/2	146,333
3/4	7,328	3/4	22,936	3/4	38,469	3/4	53,353	3/4	68,917	3/4	84,485	3/4	100,023	3/4	115,554	3/4	131,109	3/4	146,657
6	7,653	6	23,261	6	38,779	6	53,675	6	69,242	6	84,809	6	100,347	6	115,878	6	131,433	6	146,980
1/4	7,979	1/4	23,586	1/4	39,088	1/4	54,000	1/4	69,566	1/4	85,134	1/4	100,670	1/4	116,202	1/4	131,757	1/4	147,303
1/2	8,304	1/2	23,912	1/2	39,397	1/2	54,324	1/2	69,890	1/2	85,458	1/2	100,993	1/2	116,526	1/2	132,081	1/2	147,626
3/4	8,629	3/4	24,237	3/4	39,706	3/4	54,648	3/4	70,215	3/4	85,782	3/4	101,316	3/4	116,850	3/4	132,405	3/4	147,949
7	8,954	7	24,562	7	40,014	7	54,973	7	70,539	7	86,107	7	101,640	7	117,174	7	132,729	7	148,272
1/4	9,279	1/4	24,887	1/4	40,323	1/4	55,297	1/4	70,863	1/4	86,431	1/4	101,963	1/4	117,498	1/4	133,053	1/4	148,595
1/2	9,604	1/2	25,212	1/2	40,632	1/2	55,621	1/2	71,188	1/2	86,755	1/2	102,286	1/2	117,822	1/2	133,377	1/2	148,918
3/4	9,930	3/4	25,537	3/4	40,941	3/4	55,946	3/4	71,512	3/4	87,080	3/4	102,609	3/4	118,146	3/4	133,701	3/4	149,241
8	10,255	8	25,863	8	41,250	8	56,270	8	71,836	8	87,404	8	102,932	8	118,470	8	134,025	8	149,564
1/4	10,580	1/4	26,188	1/4	41,558	1/4	56,594	1/4	72,161	1/4	87,728	1/4	103,256	1/4	118,794	1/4	134,349	1/4	149,886
1/2	10,905	1/2	26,513	1/2	41,867	1/2	56,919	1/2	72,485	1/2	88,053	1/2	103,579	1/2	119,118	1/2	134,673	1/2	150,209
3/4	11,230	3/4	26,838	3/4	42,176	3/4	57,243	3/4	72,809	3/4	88,377	3/4	103,902	3/4	119,442	3/4	134,997	3/4	150,531
9	11,555	9	27,163	9	42,485	9	57,567	9	73,134	9	88,701	9	104,225	9	119,766	9	135,321	9	150,854
1/4	11,881	1/4	27,488	1/4	42,794	1/4	57,892	1/4	73,458	1/4	89,026	1/4	104,548	1/4	120,091	1/4	135,645	1/4	151,175
1/2	12,206	1/2	27,814	1/2	43,103	1/2	58,216	1/2	73,782	1/2	89,350	1/2	104,871	1/2	120,415	1/2	135,969	1/2	151,496
3/4	12,531	3/4	28,139	3/4	43,411	3/4	58,540	3/4	74,107	3/4	89,674	3/4	105,194	3/4	120,739	3/4	136,293	3/4	151,818
10	12,856	10	28,464	10	43,720	10	58,865	10	74,431	10	89,999	10	105,517	10	121,063	10	136,617	10	152,139
1/4	13,181	1/4	28,788	1/4	44,029	1/4	59,189	1/4	74,755	1/4	90,323	1/4	105,840	1/4	121,387	1/4	136,941	1/4	152,451
1/2	13,506	1/2	29,112	1/2	44,338	1/2	59,513	1/2	75,080	1/2	90,647	1/2	106,163	1/2	121,711	1/2	137,265	1/2	152,763
3/4	13,832	3/4	29,437	3/4	44,647	3/4	59,838	3/4	75,404	3/4	90,972	3/4	106,486	3/4	122,035	3/4	137,589	3/4	153,075
11	14,157	11	29,761	11	44,956	11	60,162	11	75,728	11	91,296	11	106,809	11	122,359	11	137,913	11	153,387
1/4	14,482	1/4	30,085	1/4	45,264	1/4	60,486	1/4	76,053	1/4	91,619	1/4	107,133	1/4	122,683	1/4	138,237	1/4	153,687
1/2	14,807	1/2	30,409	1/2	45,573	1/2	60,810	1/2	76,377	1/2	91,943	1/2	107,456	1/2	123,007	1/2	138,561	1/2	153,987
3/4	15,132	3/4	30,733	3/4	45,882	3/4	61,135	3/4	76,701	3/4	92,266	3/4	107,780	3/4	123,331	3/4	138,885	3/4	154,286

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE.
 GAUGE POINT: (MMC) LOCATED 11'-00" OFF CENTERLINE AND 44'-03" FORWARD OF AFT BULKHEAD.

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





BARGE "CBC 316"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 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	154,586	0	166,883	0	178,817	0	190,738	0	202,592	0		0		0		0		0	
1/4	154,873	1/4	167,133	1/4	179,065	1/4	190,987	1/4	202,832	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	155,160	1/2	167,383	1/2	179,313	1/2	191,235	1/2	203,071	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	155,447	3/4	167,632	3/4	179,562	3/4	191,483	3/4	203,310	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	155,735	1	167,882	1	179,810	1	191,732	1	203,549	1	1	1	1	1	1	1	1	1	1
1/4	156,009	1/4	168,132	1/4	180,058	1/4	191,980	1/4	203,758	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	156,284	1/2	168,382	1/2	180,307	1/2	192,228	1/2	203,966	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	156,558	3/4	168,631	3/4	180,555	3/4	192,477	3/4	204,175	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	156,833	2	168,881	2	180,804	2	192,725	2	204,383	2	2	2	2	2	2	2	2	2	2
1/4	157,095	1/4	169,130	1/4	181,052	1/4	192,974	1/4	204,551	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	157,357	1/2	169,378	1/2	181,300	1/2	193,222	1/2	204,718	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	157,619	3/4	169,627	3/4	181,549	3/4	193,470	3/4	204,886	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	157,881	3	169,875	3	181,797	3	193,719	3	205,054	3	3	3	3	3	3	3	3	3	3
1/4	158,134	1/4	170,124	1/4	182,045	1/4	193,967	1/4	205,180	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	158,386	1/2	170,372	1/2	182,294	1/2	194,215	1/2	205,306	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	158,638	3/4	170,620	3/4	182,542	3/4	194,464	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	158,891	4	170,869	4	182,790	4	194,712	4		4	4	4	4	4	4	4	4	4	4
1/4	159,141	1/4	171,117	1/4	183,039	1/4	194,961	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	159,391	1/2	171,366	1/2	183,287	1/2	195,209	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	159,641	3/4	171,614	3/4	183,536	3/4	195,457	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	159,891	5	171,862	5	183,784	5	195,706	5		5	5	5	5	5	5	5	5	5	5
1/4	160,140	1/4	172,111	1/4	184,032	1/4	195,954	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	160,390	1/2	172,359	1/2	184,281	1/2	196,202	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	160,640	3/4	172,607	3/4	184,529	3/4	196,451	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	160,890	6	172,856	6	184,777	6	196,699	6		6	6	6	6	6	6	6	6	6	6
1/4	161,139	1/4	173,104	1/4	185,026	1/4	196,947	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	161,389	1/2	173,352	1/2	185,274	1/2	197,196	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	161,639	3/4	173,601	3/4	185,523	3/4	197,444	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	161,889	7	173,849	7	185,771	7	197,693	7		7	7	7	7	7	7	7	7	7	7
1/4	162,138	1/4	174,098	1/4	186,019	1/4	197,939	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	162,388	1/2	174,346	1/2	186,268	1/2	198,185	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	162,638	3/4	174,594	3/4	186,516	3/4	198,431	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	162,888	8	174,843	8	186,764	8	198,677	8		8	8	8	8	8	8	8	8	8	8
1/4	163,137	1/4	175,091	1/4	187,013	1/4	198,922	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	163,387	1/2	175,339	1/2	187,261	1/2	199,168	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	163,637	3/4	175,588	3/4	187,509	3/4	199,413	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	163,886	9	175,836	9	187,758	9	199,659	9		9	9	9	9	9	9	9	9	9	9
1/4	164,136	1/4	176,085	1/4	188,006	1/4	199,904	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	164,386	1/2	176,333	1/2	188,255	1/2	200,149	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	164,636	3/4	176,581	3/4	188,503	3/4	200,394	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	164,885	10	176,830	10	188,751	10	200,639	10		10	10	10	10	10	10	10	10	10	10
1/4	165,135	1/4	177,078	1/4	189,000	1/4	200,884	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	165,385	1/2	177,326	1/2	189,248	1/2	201,129	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	165,635	3/4	177,575	3/4	189,496	3/4	201,373	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	165,884	11	177,823	11	189,745	11	201,618	11		11	11	11	11	11	11	11	11	11	11
1/4	166,134	1/4	178,071	1/4	189,993	1/4	201,861	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	166,384	1/2	178,320	1/2	190,242	1/2	202,105	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	166,634	3/4	178,568	3/4	190,490	3/4	202,349	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/12/2013 SW
CALCULATED: 03/14/2013 CL
PRINTED: 03/16/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 316"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 4'-05 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	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	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	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	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	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	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	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	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	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	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	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	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: 03/12/2013 SW
CALCULATED: 03/14/2013 CL
PRINTED: 03/16/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2013

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





BARGE "CBC 316"

ULLAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 2 PORT IS - 00-1/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 238'-03"

March 12, 2013

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

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BARGE "CBC 316"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	206,225	0	190,624	0	175,024	0	159,351	0	143,663	0	127,975	0	112,283
1/4	1/4	1/4	1/4	1/4	1/4	1/4	205,900	1/4	190,299	1/4	174,699	1/4	159,025	1/4	143,337	1/4	127,648	1/4	111,956
1/2	1/2	1/2	1/2	1/2	1/2	1/2	205,575	1/2	189,974	1/2	174,374	1/2	158,698	1/2	143,010	1/2	127,321	1/2	111,629
3/4	3/4	3/4	3/4	3/4	3/4	3/4	219,764	3/4	205,250	3/4	189,649	3/4	174,049	3/4	158,371	3/4	142,683	3/4	111,302
1		1		1		1	219,599	1	204,925	1	189,324	1	173,724	1	158,044	1	142,356	1	126,667
1/4	1/4	1/4	1/4	1/4	1/4	1/4	219,434	1/4	204,600	1/4	188,999	1/4	173,399	1/4	157,717	1/4	142,029	1/4	126,340
1/2	1/2	1/2	1/2	1/2	1/2	1/2	219,215	1/2	204,275	1/2	188,674	1/2	173,074	1/2	157,390	1/2	141,702	1/2	126,013
3/4	3/4	3/4	3/4	3/4	3/4	3/4	218,995	3/4	203,950	3/4	188,349	3/4	172,748	3/4	157,064	3/4	141,376	3/4	125,686
2		2		2		2	218,776	2	203,625	2	188,024	2	172,423	2	156,737	2	141,049	2	125,359
1/4	1/4	1/4	1/4	1/4	1/4	1/4	218,556	1/4	203,300	1/4	187,699	1/4	172,098	1/4	156,410	1/4	140,722	1/4	125,032
1/2	1/2	1/2	1/2	1/2	1/2	1/2	218,283	1/2	202,975	1/2	187,374	1/2	171,771	1/2	156,083	1/2	140,395	1/2	124,705
3/4	3/4	3/4	3/4	3/4	3/4	3/4	218,010	3/4	202,650	3/4	187,049	3/4	171,444	3/4	155,756	3/4	140,068	3/4	124,378
3		3		3		3	217,738	3	202,325	3	186,724	3	171,117	3	155,429	3	139,741	3	124,052
1/4	1/4	1/4	1/4	1/4	1/4	1/4	217,465	1/4	202,000	1/4	186,399	1/4	170,791	1/4	155,103	1/4	139,415	1/4	123,725
1/2	1/2	1/2	1/2	1/2	1/2	1/2	217,152	1/2	201,675	1/2	186,074	1/2	170,464	1/2	154,776	1/2	139,088	1/2	123,398
3/4	3/4	3/4	3/4	3/4	3/4	3/4	216,839	3/4	201,350	3/4	185,749	3/4	170,137	3/4	154,449	3/4	138,761	3/4	123,071
4		4		4		4	216,526	4	201,025	4	185,424	4	169,810	4	154,122	4	138,434	4	122,744
1/4	1/4	1/4	1/4	1/4	1/4	1/4	216,213	1/4	200,700	1/4	185,099	1/4	169,483	1/4	153,795	1/4	138,107	1/4	122,417
1/2	1/2	1/2	1/2	1/2	1/2	1/2	215,894	1/2	200,375	1/2	184,774	1/2	169,156	1/2	153,468	1/2	137,780	1/2	122,090
3/4	3/4	3/4	3/4	3/4	3/4	3/4	215,575	3/4	200,050	3/4	184,449	3/4	168,830	3/4	153,142	3/4	137,454	3/4	121,763
5		5		5		5	215,256	5	199,725	5	184,124	5	168,503	5	152,815	5	137,127	5	121,436
1/4	1/4	1/4	1/4	1/4	1/4	1/4	214,937	1/4	199,400	1/4	183,799	1/4	168,176	1/4	152,488	1/4	136,800	1/4	121,109
1/2	1/2	1/2	1/2	1/2	1/2	1/2	214,617	1/2	199,075	1/2	183,474	1/2	167,849	1/2	152,161	1/2	136,473	1/2	120,782
3/4	3/4	3/4	3/4	3/4	3/4	3/4	214,297	3/4	198,750	3/4	183,149	3/4	167,522	3/4	151,834	3/4	136,146	3/4	120,456
6		6		6		6	213,977	6	198,425	6	182,824	6	167,195	6	151,507	6	135,819	6	120,129
1/4	1/4	1/4	1/4	1/4	1/4	1/4	213,657	1/4	198,100	1/4	182,499	1/4	166,869	1/4	151,181	1/4	135,493	1/4	119,802
1/2	1/2	1/2	1/2	1/2	1/2	1/2	213,336	1/2	197,775	1/2	182,174	1/2	166,542	1/2	150,854	1/2	135,166	1/2	119,475
3/4	3/4	3/4	3/4	3/4	3/4	3/4	213,015	3/4	197,450	3/4	181,849	3/4	166,215	3/4	150,527	3/4	134,839	3/4	119,148
7		7		7		7	212,694	7	197,125	7	181,524	7	165,888	7	150,200	7	134,512	7	118,821
1/4	1/4	1/4	1/4	1/4	1/4	1/4	212,373	1/4	196,800	1/4	181,199	1/4	165,561	1/4	149,873	1/4	134,185	1/4	118,494
1/2	1/2	1/2	1/2	1/2	1/2	1/2	212,052	1/2	196,475	1/2	180,874	1/2	165,234	1/2	149,546	1/2	133,858	1/2	118,167
3/4	3/4	3/4	3/4	3/4	3/4	3/4	211,730	3/4	196,150	3/4	180,549	3/4	164,908	3/4	149,220	3/4	133,532	3/4	117,840
8		8		8		8	211,409	8	195,825	8	180,224	8	164,581	8	148,893	8	133,205	8	117,513
1/4	1/4	1/4	1/4	1/4	1/4	1/4	211,088	1/4	195,500	1/4	179,899	1/4	164,254	1/4	148,566	1/4	132,878	1/4	117,186
1/2	1/2	1/2	1/2	1/2	1/2	1/2	210,766	1/2	195,175	1/2	179,574	1/2	163,927	1/2	148,239	1/2	132,551	1/2	116,860
3/4	3/4	3/4	3/4	3/4	3/4	3/4	210,444	3/4	194,850	3/4	179,249	3/4	163,600	3/4	147,912	3/4	132,224	3/4	116,533
9		9		9		9	210,122	9	194,525	9	178,924	9	163,273	9	147,585	9	131,897	9	116,206
1/4	1/4	1/4	1/4	1/4	1/4	1/4	209,800	1/4	194,200	1/4	178,599	1/4	162,947	1/4	147,259	1/4	131,571	1/4	115,879
1/2	1/2	1/2	1/2	1/2	1/2	1/2	209,475	1/2	193,875	1/2	178,274	1/2	162,620	1/2	146,932	1/2	131,244	1/2	115,552
3/4	3/4	3/4	3/4	3/4	3/4	3/4	209,150	3/4	193,550	3/4	177,949	3/4	162,293	3/4	146,605	3/4	130,917	3/4	115,225
10		10		10		10	208,825	10	193,225	10	177,624	10	161,966	10	146,278	10	130,590	10	114,898
1/4	1/4	1/4	1/4	1/4	1/4	1/4	208,500	1/4	192,900	1/4	177,299	1/4	161,639	1/4	145,951	1/4	130,263	1/4	114,571
1/2	1/2	1/2	1/2	1/2	1/2	1/2	208,175	1/2	192,575	1/2	176,974	1/2	161,312	1/2	145,624	1/2	129,936	1/2	114,244
3/4	3/4	3/4	3/4	3/4	3/4	3/4	207,850	3/4	192,250	3/4	176,649	3/4	160,986	3/4	145,298	3/4	129,609	3/4	113,917
11		11		11		11	207,525	11	191,925	11	176,324	11	160,659	11	144,971	11	129,282	11	113,590
1/4	1/4	1/4	1/4	1/4	1/4	1/4	207,200	1/4	191,600	1/4	175,999	1/4	160,332	1/4	144,644	1/4	128,955	1/4	113,263
1/2	1/2	1/2	1/2	1/2	1/2	1/2	206,875	1/2	191,275	1/2	175,674	1/2	160,005	1/2	144,317	1/2	128,628	1/2	112,937
3/4	3/4	3/4	3/4	3/4	3/4	3/4	206,550	3/4	190,950	3/4	175,349	3/4	159,678	3/4	143,990	3/4	128,301	3/4	112,610

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
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BARGE "CBC 316"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	96,591	0	80,899	0	65,207	0	49,516	0	33,921	0	18,419	0	4,361	0		0		0	
1/4	96,264	1/4	80,572	1/4	64,881	1/4	49,189	1/4	33,596	1/4	18,104	1/4	4,087	1/4	1/4	1/4	1/4	1/4	1/4
1/2	95,937	1/2	80,245	1/2	64,554	1/2	48,862	1/2	33,271	1/2	17,794	1/2	3,818	1/2	1/2	1/2	1/2	1/2	1/2
3/4	95,610	3/4	79,918	3/4	64,227	3/4	48,535	3/4	32,946	3/4	17,483	3/4	3,549	3/4	3/4	3/4	3/4	3/4	3/4
1	95,283	1	79,592	1	63,900	1	48,208	1	32,621	1	17,172	1	3,279	1	1	1	1	1	1
1/4	94,956	1/4	79,265	1/4	63,573	1/4	47,881	1/4	32,296	1/4	16,861	1/4	3,010	1/4	1/4	1/4	1/4	1/4	1/4
1/2	94,630	1/2	78,938	1/2	63,246	1/2	47,555	1/2	31,969	1/2	16,554	1/2	2,750	1/2	1/2	1/2	1/2	1/2	1/2
3/4	94,303	3/4	78,611	3/4	62,919	3/4	47,228	3/4	31,642	3/4	16,247	3/4	2,490	3/4	3/4	3/4	3/4	3/4	3/4
2	93,976	2	78,284	2	62,592	2	46,902	2	31,315	2	15,939	2	2,230	2	2	2	2	2	2
1/4	93,649	1/4	77,957	1/4	62,265	1/4	46,575	1/4	30,988	1/4	15,632	1/4	1,970	1/4	1/4	1/4	1/4	1/4	1/4
1/2	93,322	1/2	77,630	1/2	61,938	1/2	46,249	1/2	30,661	1/2	15,328	1/2	1,758	1/2	1/2	1/2	1/2	1/2	1/2
3/4	92,995	3/4	77,303	3/4	61,611	3/4	45,923	3/4	30,334	3/4	15,024	3/4	1,546	3/4	3/4	3/4	3/4	3/4	3/4
3	92,668	3	76,976	3	61,285	3	45,597	3	30,007	3	14,720	3	1,334	3	3	3	3	3	3
1/4	92,341	1/4	76,649	1/4	60,958	1/4	45,270	1/4	29,681	1/4	14,416	1/4	1,122	1/4	1/4	1/4	1/4	1/4	1/4
1/2	92,014	1/2	76,322	1/2	60,631	1/2	44,946	1/2	29,354	1/2	14,116	1/2	987	1/2	1/2	1/2	1/2	1/2	1/2
3/4	91,687	3/4	75,996	3/4	60,304	3/4	44,622	3/4	29,027	3/4	13,815	3/4	853	3/4	3/4	3/4	3/4	3/4	3/4
4	91,360	4	75,669	4	59,977	4	44,298	4	28,700	4	13,515	4	718	4	4	4	4	4	4
1/4	91,033	1/4	75,342	1/4	59,650	1/4	43,974	1/4	28,373	1/4	13,214	1/4	584	1/4	1/4	1/4	1/4	1/4	1/4
1/2	90,707	1/2	75,015	1/2	59,323	1/2	43,649	1/2	28,046	1/2	12,917	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	90,380	3/4	74,688	3/4	58,996	3/4	43,325	3/4	27,719	3/4	12,620	3/4		3/4	3/4	3/4	3/4	3/4	3/4
5	90,053	5	74,361	5	58,669	5	43,001	5	27,392	5	12,323	5	5	5	5	5	5	5	5
1/4	89,726	1/4	74,034	1/4	58,342	1/4	42,677	1/4	27,065	1/4	12,026	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	89,399	1/2	73,707	1/2	58,015	1/2	42,353	1/2	26,738	1/2	11,732	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	89,072	3/4	73,380	3/4	57,688	3/4	42,028	3/4	26,412	3/4	11,438	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	88,745	6	73,053	6	57,362	6	41,704	6	26,085	6	11,144	6	6	6	6	6	6	6	6
1/4	88,418	1/4	72,726	1/4	57,035	1/4	41,380	1/4	25,758	1/4	10,851	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	88,091	1/2	72,400	1/2	56,708	1/2	41,056	1/2	25,432	1/2	10,560	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	87,764	3/4	72,073	3/4	56,381	3/4	40,732	3/4	25,106	3/4	10,270	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	87,437	7	71,746	7	56,054	7	40,407	7	24,780	7	9,980	7	7	7	7	7	7	7	7
1/4	87,111	1/4	71,419	1/4	55,727	1/4	40,083	1/4	24,454	1/4	9,689	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	86,784	1/2	71,092	1/2	55,400	1/2	39,759	1/2	24,136	1/2	9,402	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	86,457	3/4	70,765	3/4	55,073	3/4	39,435	3/4	23,818	3/4	9,116	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	86,130	8	70,438	8	54,746	8	39,111	8	23,500	8	8,829	8	8	8	8	8	8	8	8
1/4	85,803	1/4	70,111	1/4	54,419	1/4	38,787	1/4	23,182	1/4	8,542	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	85,476	1/2	69,784	1/2	54,092	1/2	38,462	1/2	22,865	1/2	8,258	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	85,149	3/4	69,457	3/4	53,766	3/4	38,138	3/4	22,549	3/4	7,975	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	84,822	9	69,130	9	53,439	9	37,814	9	22,232	9	7,691	9	9	9	9	9	9	9	9
1/4	84,495	1/4	68,803	1/4	53,112	1/4	37,490	1/4	21,915	1/4	7,408	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	84,168	1/2	68,477	1/2	52,785	1/2	37,166	1/2	21,594	1/2	7,127	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	83,841	3/4	68,150	3/4	52,458	3/4	36,841	3/4	21,273	3/4	6,847	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	83,515	10	67,823	10	52,131	10	36,517	10	20,952	10	6,567	10	10	10	10	10	10	10	10
1/4	83,188	1/4	67,496	1/4	51,804	1/4	36,193	1/4	20,631	1/4	6,287	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	82,861	1/2	67,169	1/2	51,477	1/2	35,869	1/2	20,314	1/2	6,010	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,534	3/4	66,842	3/4	51,150	3/4	35,545	3/4	19,996	3/4	5,734	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	82,207	11	66,515	11	50,823	11	35,220	11	19,679	11	5,457	11	11	11	11	11	11	11	11
1/4	81,880	1/4	66,188	1/4	50,496	1/4	34,896	1/4	19,361	1/4	5,180	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	81,553	1/2	65,861	1/2	50,170	1/2	34,571	1/2	19,047	1/2	4,907	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	81,226	3/4	65,534	3/4	49,843	3/4	34,246	3/4	18,733	3/4	4,634	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/12/2013 SW
CALCULATED: 03/14/2013 CL
PRINTED: 03/16/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2013

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



BARGE "CBC 316"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	205,961	0	190,361	0	174,760	0	159,086	0	143,398	0	127,709	0	112,017
1/4	1/4	1/4		1/4		1/4	205,636	1/4	190,036	1/4	174,435	1/4	158,759	1/4	143,071	1/4	127,382	1/4	111,690
1/2	1/2	1/2		1/2		1/2	219,825	1/2	205,311	1/2	189,711	1/2	174,110	1/2	158,432	1/2	142,744	1/2	127,055
3/4	3/4	3/4		3/4		3/4	219,660	3/4	204,986	3/4	189,385	3/4	173,785	3/4	158,105	3/4	142,417	3/4	111,036
1		1		1		1	219,495	1	204,661	1	189,060	1	173,460	1	157,778	1	142,090	1	126,401
1/4	1/4	1/4		1/4		1/4	219,276	1/4	204,336	1/4	188,735	1/4	173,135	1/4	157,451	1/4	141,763	1/4	126,074
1/2	1/2	1/2		1/2		1/2	219,056	1/2	204,011	1/2	188,410	1/2	172,809	1/2	157,125	1/2	141,437	1/2	125,747
3/4	3/4	3/4		3/4		3/4	218,837	3/4	203,686	3/4	188,085	3/4	172,484	3/4	156,798	3/4	141,110	3/4	125,420
2		2		2		2	218,617	2	203,361	2	187,760	2	172,159	2	156,471	2	140,783	2	125,093
1/4	1/4	1/4		1/4		1/4	218,344	1/4	203,036	1/4	187,435	1/4	171,832	1/4	156,144	1/4	140,456	1/4	124,766
1/2	1/2	1/2		1/2		1/2	218,071	1/2	202,711	1/2	187,110	1/2	171,505	1/2	155,817	1/2	140,129	1/2	124,440
3/4	3/4	3/4		3/4		3/4	217,799	3/4	202,386	3/4	186,785	3/4	171,179	3/4	155,490	3/4	139,802	3/4	124,113
3		3		3		3	217,526	3	202,061	3	186,460	3	170,852	3	155,164	3	139,476	3	123,786
1/4	1/4	1/4		1/4		1/4	217,213	1/4	201,736	1/4	186,135	1/4	170,525	1/4	154,837	1/4	139,149	1/4	123,459
1/2	1/2	1/2		1/2		1/2	216,900	1/2	201,411	1/2	185,810	1/2	170,198	1/2	154,510	1/2	138,822	1/2	123,132
3/4	3/4	3/4		3/4		3/4	216,587	3/4	201,086	3/4	185,485	3/4	169,871	3/4	154,183	3/4	138,495	3/4	122,805
4		4		4		4	216,274	4	200,761	4	185,160	4	169,544	4	153,856	4	138,168	4	122,478
1/4	1/4	1/4		1/4		1/4	215,955	1/4	200,436	1/4	184,835	1/4	169,218	1/4	153,529	1/4	137,841	1/4	122,151
1/2	1/2	1/2		1/2		1/2	215,636	1/2	200,111	1/2	184,510	1/2	168,891	1/2	153,203	1/2	137,515	1/2	121,824
3/4	3/4	3/4		3/4		3/4	215,317	3/4	199,786	3/4	184,185	3/4	168,564	3/4	152,876	3/4	137,188	3/4	121,497
5		5		5		5	214,998	5	199,461	5	183,860	5	168,237	5	152,549	5	136,861	5	121,170
1/4	1/4	1/4		1/4		1/4	214,678	1/4	199,136	1/4	183,535	1/4	167,910	1/4	152,222	1/4	136,534	1/4	120,843
1/2	1/2	1/2		1/2		1/2	214,358	1/2	198,811	1/2	183,210	1/2	167,583	1/2	151,895	1/2	136,207	1/2	120,517
3/4	3/4	3/4		3/4		3/4	214,038	3/4	198,486	3/4	182,885	3/4	167,257	3/4	151,568	3/4	135,880	3/4	120,190
6		6		6		6	213,718	6	198,161	6	182,560	6	166,930	6	151,242	6	135,554	6	119,863
1/4	1/4	1/4		1/4		1/4	213,397	1/4	197,836	1/4	182,235	1/4	166,603	1/4	150,915	1/4	135,227	1/4	119,536
1/2	1/2	1/2		1/2		1/2	213,076	1/2	197,511	1/2	181,910	1/2	166,276	1/2	150,588	1/2	134,900	1/2	119,209
3/4	3/4	3/4		3/4		3/4	212,755	3/4	197,186	3/4	181,585	3/4	165,949	3/4	150,261	3/4	134,573	3/4	118,882
7		7		7		7	212,434	7	196,861	7	181,260	7	165,622	7	149,934	7	134,246	7	118,555
1/4	1/4	1/4		1/4		1/4	212,113	1/4	196,536	1/4	180,935	1/4	165,295	1/4	149,607	1/4	133,919	1/4	118,228
1/2	1/2	1/2		1/2		1/2	211,791	1/2	196,211	1/2	180,610	1/2	164,969	1/2	149,281	1/2	133,593	1/2	117,901
3/4	3/4	3/4		3/4		3/4	211,470	3/4	195,886	3/4	180,285	3/4	164,642	3/4	148,954	3/4	133,266	3/4	117,574
8		8		8		8	211,149	8	195,561	8	179,960	8	164,315	8	148,627	8	132,939	8	117,247
1/4	1/4	1/4		1/4		1/4	210,827	1/4	195,236	1/4	179,635	1/4	163,988	1/4	148,300	1/4	132,612	1/4	116,921
1/2	1/2	1/2		1/2		1/2	210,505	1/2	194,911	1/2	179,310	1/2	163,661	1/2	147,973	1/2	132,285	1/2	116,594
3/4	3/4	3/4		3/4		3/4	210,183	3/4	194,586	3/4	178,985	3/4	163,334	3/4	147,646	3/4	131,958	3/4	116,267
9		9		9		9	209,861	9	194,261	9	178,660	9	163,008	9	147,320	9	131,632	9	115,940
1/4	1/4	1/4		1/4		1/4	209,536	1/4	193,936	1/4	178,335	1/4	162,681	1/4	146,993	1/4	131,305	1/4	115,613
1/2	1/2	1/2		1/2		1/2	209,211	1/2	193,611	1/2	178,010	1/2	162,354	1/2	146,666	1/2	130,978	1/2	115,286
3/4	3/4	3/4		3/4		3/4	208,886	3/4	193,286	3/4	177,685	3/4	162,027	3/4	146,339	3/4	130,651	3/4	114,959
10		10		10		10	208,561	10	192,961	10	177,360	10	161,700	10	146,012	10	130,324	10	114,632
1/4	1/4	1/4		1/4		1/4	208,236	1/4	192,636	1/4	177,035	1/4	161,373	1/4	145,685	1/4	129,997	1/4	114,305
1/2	1/2	1/2		1/2		1/2	207,911	1/2	192,311	1/2	176,710	1/2	161,047	1/2	145,359	1/2	129,670	1/2	113,978
3/4	3/4	3/4		3/4		3/4	207,586	3/4	191,986	3/4	176,385	3/4	160,720	3/4	145,032	3/4	129,343	3/4	113,651
11		11		11		11	207,261	11	191,661	11	176,060	11	160,393	11	144,705	11	129,016	11	113,325
1/4	1/4	1/4		1/4		1/4	206,936	1/4	191,336	1/4	175,735	1/4	160,066	1/4	144,378	1/4	128,689	1/4	112,998
1/2	1/2	1/2		1/2		1/2	206,611	1/2	191,011	1/2	175,410	1/2	159,739	1/2	144,051	1/2	128,362	1/2	112,671
3/4	3/4	3/4		3/4		3/4	206,286	3/4	190,686	3/4	175,085	3/4	159,412	3/4	143,724	3/4	128,036	3/4	112,344

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 316"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	96,325	0	80,633	0	64,942	0	49,250	0	33,598	0	18,104	0	4,087	0		0		0	
1/4	95,998	1/4	80,306	1/4	64,615	1/4	48,923	1/4	33,271	1/4	17,794	1/4	3,818	1/4	1/4	1/4	1/4	1/4	1/4
1/2	95,671	1/2	79,980	1/2	64,288	1/2	48,596	1/2	32,945	1/2	17,483	1/2	3,549	1/2	1/2	1/2	1/2	1/2	1/2
3/4	95,344	3/4	79,653	3/4	63,961	3/4	48,269	3/4	32,618	3/4	17,172	3/4	3,279	3/4	3/4	3/4	3/4	3/4	3/4
1	95,017	1	79,326	1	63,634	1	47,942	1	32,292	1	16,861	1	3,010	1	1	1	1	1	1
1/4	94,691	1/4	78,999	1/4	63,307	1/4	47,616	1/4	31,966	1/4	16,554	1/4	2,750	1/4	1/4	1/4	1/4	1/4	1/4
1/2	94,364	1/2	78,672	1/2	62,980	1/2	47,289	1/2	31,639	1/2	16,247	1/2	2,490	1/2	1/2	1/2	1/2	1/2	1/2
3/4	94,037	3/4	78,345	3/4	62,653	3/4	46,963	3/4	31,313	3/4	15,939	3/4	2,230	3/4	3/4	3/4	3/4	3/4	3/4
2	93,710	2	78,018	2	62,326	2	46,636	2	30,986	2	15,632	2	1,970	2	2	2	2	2	2
1/4	93,383	1/4	77,691	1/4	61,999	1/4	46,310	1/4	30,660	1/4	15,328	1/4	1,758	1/4	1/4	1/4	1/4	1/4	1/4
1/2	93,056	1/2	77,364	1/2	61,672	1/2	45,983	1/2	30,333	1/2	15,024	1/2	1,546	1/2	1/2	1/2	1/2	1/2	1/2
3/4	92,729	3/4	77,037	3/4	61,346	3/4	45,657	3/4	30,007	3/4	14,720	3/4	1,334	3/4	3/4	3/4	3/4	3/4	3/4
3	92,402	3	76,710	3	61,019	3	45,330	3	29,680	3	14,416	3	1,122	3	3	3	3	3	3
1/4	92,075	1/4	76,384	1/4	60,692	1/4	45,004	1/4	29,353	1/4	14,116	1/4	987	1/4	1/4	1/4	1/4	1/4	1/4
1/2	91,748	1/2	76,057	1/2	60,365	1/2	44,678	1/2	29,027	1/2	13,815	1/2	853	1/2	1/2	1/2	1/2	1/2	1/2
3/4	91,421	3/4	75,730	3/4	60,038	3/4	44,352	3/4	28,700	3/4	13,515	3/4	718	3/4	3/4	3/4	3/4	3/4	3/4
4	91,095	4	75,403	4	59,711	4	44,026	4	28,373	4	13,214	4	584	4	4	4	4	4	4
1/4	90,768	1/4	75,076	1/4	59,384	1/4	43,699	1/4	28,046	1/4	12,917	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	90,441	1/2	74,749	1/2	59,057	1/2	43,373	1/2	27,719	1/2	12,620	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	90,114	3/4	74,422	3/4	58,730	3/4	43,047	3/4	27,392	3/4	12,323	3/4		3/4	3/4	3/4	3/4	3/4	3/4
5	89,787	5	74,095	5	58,403	5	42,721	5	27,065	5	12,026	5	5	5	5	5	5	5	5
1/4	89,460	1/4	73,768	1/4	58,076	1/4	42,395	1/4	26,738	1/4	11,732	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	89,133	1/2	73,441	1/2	57,750	1/2	42,070	1/2	26,411	1/2	11,438	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	88,806	3/4	73,114	3/4	57,423	3/4	41,744	3/4	26,084	3/4	11,144	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	88,479	6	72,787	6	57,096	6	41,418	6	25,758	6	10,851	6	6	6	6	6	6	6	6
1/4	88,152	1/4	72,461	1/4	56,769	1/4	41,092	1/4	25,432	1/4	10,560	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	87,825	1/2	72,134	1/2	56,442	1/2	40,767	1/2	25,106	1/2	10,270	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	87,498	3/4	71,807	3/4	56,115	3/4	40,441	3/4	24,780	3/4	9,980	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	87,172	7	71,480	7	55,788	7	40,115	7	24,454	7	9,689	7	7	7	7	7	7	7	7
1/4	86,845	1/4	71,153	1/4	55,461	1/4	39,790	1/4	24,136	1/4	9,402	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	86,518	1/2	70,826	1/2	55,134	1/2	39,464	1/2	23,818	1/2	9,115	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	86,191	3/4	70,499	3/4	54,807	3/4	39,138	3/4	23,500	3/4	8,829	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	85,864	8	70,172	8	54,480	8	38,812	8	23,182	8	8,542	8	8	8	8	8	8	8	8
1/4	85,537	1/4	69,845	1/4	54,154	1/4	38,487	1/4	22,865	1/4	8,258	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	85,210	1/2	69,518	1/2	53,827	1/2	38,161	1/2	22,548	1/2	7,975	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	84,883	3/4	69,191	3/4	53,500	3/4	37,835	3/4	22,232	3/4	7,691	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	84,556	9	68,865	9	53,173	9	37,510	9	21,915	9	7,408	9	9	9	9	9	9	9	9
1/4	84,229	1/4	68,538	1/4	52,846	1/4	37,184	1/4	21,594	1/4	7,127	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	83,902	1/2	68,211	1/2	52,519	1/2	36,858	1/2	21,273	1/2	6,847	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	83,576	3/4	67,884	3/4	52,192	3/4	36,532	3/4	20,952	3/4	6,567	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	83,249	10	67,557	10	51,865	10	36,207	10	20,631	10	6,287	10	10	10	10	10	10	10	10
1/4	82,922	1/4	67,230	1/4	51,538	1/4	35,881	1/4	20,314	1/4	6,010	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	82,595	1/2	66,903	1/2	51,211	1/2	35,555	1/2	19,996	1/2	5,734	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,268	3/4	66,576	3/4	50,884	3/4	35,229	3/4	19,678	3/4	5,457	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	81,941	11	66,249	11	50,557	11	34,903	11	19,361	11	5,180	11	11	11	11	11	11	11	11
1/4	81,614	1/4	65,922	1/4	50,231	1/4	34,577	1/4	19,047	1/4	4,907	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	81,287	1/2	65,595	1/2	49,904	1/2	34,251	1/2	18,733	1/2	4,634	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	80,960	3/4	65,269	3/4	49,577	3/4	33,924	3/4	18,418	3/4	4,361	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/12/2013 SW
CALCULATED: 03/14/2013 CL
PRINTED: 03/16/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "CBC 316"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-05"

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	202,810	0	187,738	0	172,667	0	157,530	0	142,371	0	127,211	0	112,049
1/4		1/4		1/4		1/4	202,496	1/4	187,424	1/4	172,353	1/4	157,214	1/4	142,055	1/4	126,895	1/4	111,733
1/2		1/2		1/2		1/2	202,182	1/2	187,110	1/2	172,039	1/2	156,898	1/2	141,739	1/2	126,580	1/2	111,417
3/4		3/4		3/4		3/4	201,868	3/4	186,796	3/4	171,725	3/4	156,582	3/4	141,423	3/4	126,264	3/4	111,101
1		1		1		1	201,554	1	186,482	1	171,411	1	156,266	1	141,108	1	125,948	1	110,785
1/4		1/4		1/4		1/4	201,240	1/4	186,169	1/4	171,097	1/4	155,950	1/4	140,792	1/4	125,632	1/4	110,469
1/2		1/2		1/2	214,943	1/2	200,926	1/2	185,855	1/2	170,783	1/2	155,635	1/2	140,476	1/2	125,316	1/2	110,154
3/4		3/4		3/4	214,784	3/4	200,612	3/4	185,541	3/4	170,469	3/4	155,319	3/4	140,160	3/4	125,000	3/4	109,838
2		2		2	214,625	2	200,298	2	185,227	2	170,155	2	155,003	2	139,844	2	124,684	2	109,522
1/4		1/4		1/4	214,413	1/4	199,984	1/4	184,913	1/4	169,841	1/4	154,687	1/4	139,529	1/4	124,368	1/4	109,206
1/2		1/2		1/2	214,201	1/2	199,670	1/2	184,599	1/2	169,527	1/2	154,371	1/2	139,213	1/2	124,053	1/2	108,890
3/4		3/4		3/4	213,989	3/4	199,356	3/4	184,285	3/4	169,213	3/4	154,056	3/4	138,897	3/4	123,737	3/4	108,574
3		3		3	213,777	3	199,042	3	183,971	3	168,899	3	153,740	3	138,581	3	123,421	3	108,258
1/4		1/4		1/4	213,514	1/4	198,728	1/4	183,657	1/4	168,583	1/4	153,424	1/4	138,265	1/4	123,105	1/4	107,942
1/2		1/2		1/2	213,250	1/2	198,414	1/2	183,343	1/2	168,267	1/2	153,108	1/2	137,949	1/2	122,789	1/2	107,626
3/4		3/4		3/4	212,987	3/4	198,100	3/4	183,029	3/4	167,951	3/4	152,792	3/4	137,634	3/4	122,473	3/4	107,311
4		4		4	212,723	4	197,786	4	182,715	4	167,635	4	152,477	4	137,318	4	122,157	4	106,995
1/4		1/4		1/4	212,421	1/4	197,472	1/4	182,401	1/4	167,320	1/4	152,161	1/4	137,002	1/4	121,841	1/4	106,679
1/2		1/2		1/2	212,119	1/2	197,158	1/2	182,087	1/2	167,004	1/2	151,845	1/2	136,686	1/2	121,525	1/2	106,363
3/4		3/4		3/4	211,816	3/4	196,844	3/4	181,773	3/4	166,688	3/4	151,529	3/4	136,370	3/4	121,210	3/4	106,047
5		5		5	211,514	5	196,530	5	181,459	5	166,372	5	151,213	5	136,055	5	120,894	5	105,731
1/4		1/4		1/4	211,206	1/4	196,216	1/4	181,145	1/4	166,056	1/4	150,898	1/4	135,739	1/4	120,578	1/4	105,415
1/2		1/2		1/2	210,898	1/2	195,902	1/2	180,831	1/2	165,741	1/2	150,582	1/2	135,423	1/2	120,262	1/2	105,099
3/4		3/4		3/4	210,590	3/4	195,588	3/4	180,517	3/4	165,425	3/4	150,266	3/4	135,107	3/4	119,946	3/4	104,784
6		6		6	210,282	6	195,274	6	180,203	6	165,109	6	149,950	6	134,791	6	119,630	6	104,468
1/4		1/4		1/4	209,973	1/4	194,960	1/4	179,889	1/4	164,793	1/4	149,634	1/4	134,476	1/4	119,314	1/4	104,152
1/2		1/2		1/2	209,664	1/2	194,646	1/2	179,575	1/2	164,477	1/2	149,319	1/2	134,160	1/2	118,998	1/2	103,836
3/4		3/4		3/4	209,355	3/4	194,332	3/4	179,261	3/4	164,161	3/4	149,003	3/4	133,844	3/4	118,682	3/4	103,520
7		7		7	209,046	7	194,018	7	178,947	7	163,846	7	148,687	7	133,528	7	118,367	7	103,204
1/4		1/4		1/4	208,736	1/4	193,704	1/4	178,633	1/4	163,530	1/4	148,371	1/4	133,212	1/4	118,051	1/4	102,888
1/2		1/2		1/2	208,426	1/2	193,390	1/2	178,319	1/2	163,214	1/2	148,055	1/2	132,897	1/2	117,735	1/2	102,572
3/4		3/4		3/4	208,116	3/4	193,076	3/4	178,005	3/4	162,898	3/4	147,740	3/4	132,581	3/4	117,419	3/4	102,256
8		8		8	207,806	8	192,762	8	177,691	8	162,582	8	147,424	8	132,265	8	117,103	8	101,941
1/4		1/4		1/4	207,496	1/4	192,448	1/4	177,377	1/4	162,267	1/4	147,108	1/4	131,949	1/4	116,787	1/4	101,625
1/2		1/2		1/2	207,186	1/2	192,134	1/2	177,063	1/2	161,951	1/2	146,792	1/2	131,633	1/2	116,471	1/2	101,309
3/4		3/4		3/4	206,875	3/4	191,820	3/4	176,749	3/4	161,635	3/4	146,476	3/4	131,318	3/4	116,155	3/4	100,993
9		9		9	206,565	9	191,506	9	176,435	9	161,319	9	146,160	9	131,002	9	115,839	9	100,677
1/4		1/4		1/4	206,254	1/4	191,192	1/4	176,121	1/4	161,003	1/4	145,845	1/4	130,686	1/4	115,524	1/4	100,361
1/2		1/2		1/2	205,943	1/2	190,878	1/2	175,807	1/2	160,688	1/2	145,529	1/2	130,370	1/2	115,208	1/2	100,045
3/4		3/4		3/4	205,632	3/4	190,564	3/4	175,493	3/4	160,372	3/4	145,213	3/4	130,054	3/4	114,892	3/4	99,729
10		10		10	205,321	10	190,250	10	175,179	10	160,056	10	144,897	10	129,738	10	114,576	10	99,413
1/4		1/4		1/4	205,007	1/4	189,936	1/4	174,865	1/4	159,740	1/4	144,581	1/4	129,423	1/4	114,260	1/4	99,098
1/2		1/2		1/2	204,693	1/2	189,622	1/2	174,551	1/2	159,424	1/2	144,266	1/2	129,107	1/2	113,944	1/2	98,782
3/4		3/4		3/4	204,379	3/4	189,308	3/4	174,237	3/4	159,109	3/4	143,950	3/4	128,791	3/4	113,628	3/4	98,466
11		11		11	204,065	11	188,994	11	173,923	11	158,793	11	143,634	11	128,475	11	113,312	11	98,150
1/4		1/4		1/4	203,752	1/4	188,680	1/4	173,609	1/4	158,477	1/4	143,318	1/4	128,159	1/4	112,997	1/4	97,834
1/2		1/2		1/2	203,438	1/2	188,366	1/2	173,295	1/2	158,161	1/2	143,002	1/2	127,843	1/2	112,681	1/2	97,518
3/4		3/4		3/4	203,124	3/4	188,052	3/4	172,981	3/4	157,845	3/4	142,687	3/4	127,527	3/4	112,365	3/4	97,202

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.
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 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "CBC 316"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-05"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	96,886	0	81,724	0	66,561	0	51,399	0	36,496	0	21,334	0	6,172	0		0		0	
1/4	96,570	1/4	81,408	1/4	66,246	1/4	51,083	1/4	36,180	1/4	21,018	1/4	5,856	1/4	1/4		1/4		1/4
1/2	96,255	1/2	81,092	1/2	65,930	1/2	50,767	1/2	35,864	1/2	20,702	1/2	5,541	1/2	1/2		1/2		1/2
3/4	95,939	3/4	80,776	3/4	65,614	3/4	50,451	3/4	35,549	3/4	20,386	3/4	5,225	3/4	3/4		3/4		3/4
1	95,623	1	80,460	1	65,298	1	50,135	1	35,233	1	20,071	1	4,909	1	1		1		1
1/4	95,307	1/4	80,144	1/4	64,982	1/4	49,820	1/4	34,917	1/4	19,755	1/4	4,594	1/4	1/4		1/4		1/4
1/2	94,991	1/2	79,829	1/2	64,666	1/2	49,505	1/2	34,601	1/2	19,439	1/2	4,278	1/2	1/2		1/2		1/2
3/4	94,675	3/4	79,513	3/4	64,350	3/4	49,190	3/4	34,285	3/4	19,123	3/4	3,963	3/4	3/4		3/4		3/4
2	94,359	2	79,197	2	64,034	2	48,875	2	33,969	2	18,807	2	3,648	2	2		2		2
1/4	94,043	1/4	78,881	1/4	63,718	1/4	48,565	1/4	33,653	1/4	18,491	1/4	3,338	1/4	1/4		1/4		1/4
1/2	93,728	1/2	78,565	1/2	63,403	1/2	48,256	1/2	33,337	1/2	18,175	1/2	3,029	1/2	1/2		1/2		1/2
3/4	93,412	3/4	78,249	3/4	63,087	3/4	47,946	3/4	33,022	3/4	17,859	3/4	2,719	3/4	3/4		3/4		3/4
3	93,096	3	77,933	3	62,771	3	47,636	3	32,706	3	17,544	3	2,409	3	3		3		3
1/4	92,780	1/4	77,617	1/4	62,455	1/4	47,327	1/4	32,390	1/4	17,228	1/4	2,143	1/4	1/4		1/4		1/4
1/2	92,464	1/2	77,302	1/2	62,139	1/2	47,017	1/2	32,074	1/2	16,912	1/2	1,876	1/2	1/2		1/2		1/2
3/4	92,148	3/4	76,986	3/4	61,823	3/4	46,707	3/4	31,758	3/4	16,596	3/4	1,610	3/4	3/4		3/4		3/4
4	91,832	4	76,670	4	61,507	4	46,398	4	31,442	4	16,280	4	1,343	4	4		4		4
1/4	91,516	1/4	76,354	1/4	61,191	1/4	46,088	1/4	31,126	1/4	15,964	1/4	1,156	1/4	1/4		1/4		1/4
1/2	91,200	1/2	76,038	1/2	60,875	1/2	45,779	1/2	30,810	1/2	15,648	1/2	968	1/2	1/2		1/2		1/2
3/4	90,885	3/4	75,722	3/4	60,560	3/4	45,470	3/4	30,494	3/4	15,332	3/4	781	3/4	3/4		3/4		3/4
5	90,569	5	75,406	5	60,244	5	45,161	5	30,179	5	15,017	5	593	5	5		5		5
1/4	90,253	1/4	75,090	1/4	59,928	1/4	44,851	1/4	29,863	1/4	14,701	1/4		1/4	1/4		1/4		1/4
1/2	89,937	1/2	74,774	1/2	59,612	1/2	44,542	1/2	29,547	1/2	14,385	1/2		1/2	1/2		1/2		1/2
3/4	89,621	3/4	74,459	3/4	59,296	3/4	44,233	3/4	29,231	3/4	14,069	3/4		3/4	3/4		3/4		3/4
6	89,305	6	74,143	6	58,980	6	43,923	6	28,915	6	13,753	6		6	6		6		6
1/4	88,989	1/4	73,827	1/4	58,664	1/4	43,614	1/4	28,599	1/4	13,437	1/4		1/4	1/4		1/4		1/4
1/2	88,673	1/2	73,511	1/2	58,348	1/2	43,305	1/2	28,283	1/2	13,121	1/2		1/2	1/2		1/2		1/2
3/4	88,357	3/4	73,195	3/4	58,033	3/4	42,995	3/4	27,967	3/4	12,805	3/4		3/4	3/4		3/4		3/4
7	88,042	7	72,879	7	57,717	7	42,686	7	27,652	7	12,490	7		7	7		7		7
1/4	87,726	1/4	72,563	1/4	57,401	1/4	42,377	1/4	27,336	1/4	12,174	1/4		1/4	1/4		1/4		1/4
1/2	87,410	1/2	72,247	1/2	57,085	1/2	42,067	1/2	27,020	1/2	11,858	1/2		1/2	1/2		1/2		1/2
3/4	87,094	3/4	71,931	3/4	56,769	3/4	41,758	3/4	26,704	3/4	11,542	3/4		3/4	3/4		3/4		3/4
8	86,778	8	71,616	8	56,453	8	41,449	8	26,388	8	11,226	8		8	8		8		8
1/4	86,462	1/4	71,300	1/4	56,137	1/4	41,139	1/4	26,072	1/4	10,910	1/4		1/4	1/4		1/4		1/4
1/2	86,146	1/2	70,984	1/2	55,821	1/2	40,830	1/2	25,756	1/2	10,594	1/2		1/2	1/2		1/2		1/2
3/4	85,830	3/4	70,668	3/4	55,505	3/4	40,521	3/4	25,440	3/4	10,278	3/4		3/4	3/4		3/4		3/4
9	85,515	9	70,352	9	55,190	9	40,211	9	25,125	9	9,963	9		9	9		9		9
1/4	85,199	1/4	70,036	1/4	54,874	1/4	39,902	1/4	24,809	1/4	9,647	1/4		1/4	1/4		1/4		1/4
1/2	84,883	1/2	69,720	1/2	54,558	1/2	39,593	1/2	24,493	1/2	9,331	1/2		1/2	1/2		1/2		1/2
3/4	84,567	3/4	69,404	3/4	54,242	3/4	39,283	3/4	24,177	3/4	9,015	3/4		3/4	3/4		3/4		3/4
10	84,251	10	69,088	10	53,926	10	38,974	10	23,861	10	8,699	10		10	10		10		10
1/4	83,935	1/4	68,773	1/4	53,610	1/4	38,665	1/4	23,545	1/4	8,383	1/4		1/4	1/4		1/4		1/4
1/2	83,619	1/2	68,457	1/2	53,294	1/2	38,355	1/2	23,229	1/2	8,067	1/2		1/2	1/2		1/2		1/2
3/4	83,303	3/4	68,141	3/4	52,978	3/4	38,046	3/4	22,913	3/4	7,751	3/4		3/4	3/4		3/4		3/4
11	82,987	11	67,825	11	52,662	11	37,737	11	22,598	11	7,436	11		11	11		11		11
1/4	82,672	1/4	67,509	1/4	52,347	1/4	37,427	1/4	22,282	1/4	7,120	1/4		1/4	1/4		1/4		1/4
1/2	82,356	1/2	67,193	1/2	52,031	1/2	37,116	1/2	21,966	1/2	6,804	1/2		1/2	1/2		1/2		1/2
3/4	82,040	3/4	66,877	3/4	51,715	3/4	36,806	3/4	21,650	3/4	6,488	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/12/2013 SW
CALCULATED: 03/14/2013 CL
PRINTED: 03/16/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2013

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



BARGE "CBC 316"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	202,417	0	187,345	0	172,274	0	157,135	0	141,976	0	126,816	0	111,654
1/4	1/4	1/4	1/4	1/4	1/4	1/4	202,103	1/4	187,031	1/4	171,960	1/4	156,819	1/4	141,660	1/4	126,501	1/4	111,338
1/2	1/2	1/2	1/2	1/2	1/2	1/2	201,789	1/2	186,717	1/2	171,646	1/2	156,503	1/2	141,344	1/2	126,185	1/2	111,022
3/4	3/4	3/4	3/4	3/4	3/4	3/4	201,475	3/4	186,403	3/4	171,332	3/4	156,187	3/4	141,029	3/4	125,869	3/4	110,706
1		1		1		1	201,161	1	186,089	1	171,018	1	155,871	1	140,713	1	125,553	1	110,390
1/4	1/4	1/4	1/4	1/4	1/4	1/4	214,864	1/4	200,847	1/4	185,776	1/4	170,704	1/4	155,556	1/4	140,397	1/4	125,237
1/2	1/2	1/2	1/2	1/2	1/2	1/2	214,705	1/2	200,533	1/2	185,462	1/2	170,390	1/2	155,240	1/2	140,081	1/2	124,921
3/4	3/4	3/4	3/4	3/4	3/4	3/4	214,546	3/4	200,219	3/4	185,148	3/4	170,076	3/4	154,924	3/4	139,765	3/4	124,605
2		2		2		2	214,334	2	199,905	2	184,834	2	169,762	2	154,608	2	139,449	2	124,289
1/4	1/4	1/4	1/4	1/4	1/4	1/4	214,122	1/4	199,591	1/4	184,520	1/4	169,448	1/4	154,292	1/4	139,134	1/4	123,973
1/2	1/2	1/2	1/2	1/2	1/2	1/2	213,910	1/2	199,277	1/2	184,206	1/2	169,134	1/2	153,977	1/2	138,818	1/2	123,658
3/4	3/4	3/4	3/4	3/4	3/4	3/4	213,698	3/4	198,963	3/4	183,892	3/4	168,820	3/4	153,661	3/4	138,502	3/4	123,342
3		3		3		3	213,435	3	198,649	3	183,578	3	168,504	3	153,345	3	138,186	3	123,026
1/4	1/4	1/4	1/4	1/4	1/4	1/4	213,171	1/4	198,335	1/4	183,264	1/4	168,188	1/4	153,029	1/4	137,870	1/4	122,710
1/2	1/2	1/2	1/2	1/2	1/2	1/2	212,908	1/2	198,021	1/2	182,950	1/2	167,872	1/2	152,713	1/2	137,555	1/2	122,394
3/4	3/4	3/4	3/4	3/4	3/4	3/4	212,644	3/4	197,707	3/4	182,636	3/4	167,556	3/4	152,398	3/4	137,239	3/4	122,078
4		4		4		4	212,342	4	197,393	4	182,322	4	167,240	4	152,082	4	136,923	4	121,762
1/4	1/4	1/4	1/4	1/4	1/4	1/4	212,040	1/4	197,079	1/4	182,008	1/4	166,925	1/4	151,766	1/4	136,607	1/4	121,446
1/2	1/2	1/2	1/2	1/2	1/2	1/2	211,737	1/2	196,765	1/2	181,694	1/2	166,609	1/2	151,450	1/2	136,291	1/2	121,131
3/4	3/4	3/4	3/4	3/4	3/4	3/4	211,435	3/4	196,451	3/4	181,380	3/4	166,293	3/4	151,134	3/4	135,976	3/4	120,815
5		5		5		5	211,127	5	196,137	5	181,066	5	165,977	5	150,819	5	135,660	5	120,499
1/4	1/4	1/4	1/4	1/4	1/4	1/4	210,819	1/4	195,823	1/4	180,752	1/4	165,661	1/4	150,503	1/4	135,344	1/4	120,183
1/2	1/2	1/2	1/2	1/2	1/2	1/2	210,511	1/2	195,509	1/2	180,438	1/2	165,346	1/2	150,187	1/2	135,028	1/2	119,867
3/4	3/4	3/4	3/4	3/4	3/4	3/4	210,203	3/4	195,195	3/4	180,124	3/4	165,030	3/4	149,871	3/4	134,712	3/4	119,551
6		6		6		6	209,894	6	194,881	6	179,810	6	164,714	6	149,555	6	134,397	6	119,235
1/4	1/4	1/4	1/4	1/4	1/4	1/4	209,585	1/4	194,567	1/4	179,496	1/4	164,398	1/4	149,239	1/4	134,081	1/4	118,919
1/2	1/2	1/2	1/2	1/2	1/2	1/2	209,276	1/2	194,253	1/2	179,182	1/2	164,082	1/2	148,924	1/2	133,765	1/2	118,603
3/4	3/4	3/4	3/4	3/4	3/4	3/4	208,967	3/4	193,939	3/4	178,868	3/4	163,767	3/4	148,608	3/4	133,449	3/4	118,288
7		7		7		7	208,657	7	193,625	7	178,554	7	163,451	7	148,292	7	133,133	7	117,972
1/4	1/4	1/4	1/4	1/4	1/4	1/4	208,347	1/4	193,311	1/4	178,240	1/4	163,135	1/4	147,976	1/4	132,818	1/4	117,656
1/2	1/2	1/2	1/2	1/2	1/2	1/2	208,037	1/2	192,997	1/2	177,926	1/2	162,819	1/2	147,660	1/2	132,502	1/2	117,340
3/4	3/4	3/4	3/4	3/4	3/4	3/4	207,727	3/4	192,683	3/4	177,612	3/4	162,503	3/4	147,345	3/4	132,186	3/4	117,024
8		8		8		8	207,417	8	192,369	8	177,298	8	162,188	8	147,029	8	131,870	8	116,708
1/4	1/4	1/4	1/4	1/4	1/4	1/4	207,107	1/4	192,055	1/4	176,984	1/4	161,872	1/4	146,713	1/4	131,554	1/4	116,392
1/2	1/2	1/2	1/2	1/2	1/2	1/2	206,796	1/2	191,741	1/2	176,670	1/2	161,556	1/2	146,397	1/2	131,238	1/2	116,076
3/4	3/4	3/4	3/4	3/4	3/4	3/4	206,486	3/4	191,427	3/4	176,356	3/4	161,240	3/4	146,081	3/4	130,923	3/4	115,760
9		9		9		9	206,175	9	191,113	9	176,042	9	160,924	9	145,766	9	130,607	9	115,445
1/4	1/4	1/4	1/4	1/4	1/4	1/4	205,864	1/4	190,799	1/4	175,728	1/4	160,609	1/4	145,450	1/4	130,291	1/4	115,129
1/2	1/2	1/2	1/2	1/2	1/2	1/2	205,553	1/2	190,485	1/2	175,414	1/2	160,293	1/2	145,134	1/2	129,975	1/2	114,813
3/4	3/4	3/4	3/4	3/4	3/4	3/4	205,242	3/4	190,171	3/4	175,100	3/4	159,977	3/4	144,818	3/4	129,659	3/4	114,497
10		10		10		10	204,928	10	189,857	10	174,786	10	159,661	10	144,502	10	129,344	10	114,181
1/4	1/4	1/4	1/4	1/4	1/4	1/4	204,614	1/4	189,543	1/4	174,472	1/4	159,345	1/4	144,187	1/4	129,028	1/4	113,865
1/2	1/2	1/2	1/2	1/2	1/2	1/2	204,300	1/2	189,229	1/2	174,158	1/2	159,030	1/2	143,871	1/2	128,712	1/2	113,549
3/4	3/4	3/4	3/4	3/4	3/4	3/4	203,986	3/4	188,915	3/4	173,844	3/4	158,714	3/4	143,555	3/4	128,396	3/4	113,233
11		11		11		11	203,672	11	188,601	11	173,530	11	158,398	11	143,239	11	128,080	11	112,917
1/4	1/4	1/4	1/4	1/4	1/4	1/4	203,359	1/4	188,287	1/4	173,216	1/4	158,082	1/4	142,923	1/4	127,764	1/4	112,602
1/2	1/2	1/2	1/2	1/2	1/2	1/2	203,045	1/2	187,973	1/2	172,902	1/2	157,766	1/2	142,608	1/2	127,448	1/2	112,286
3/4	3/4	3/4	3/4	3/4	3/4	3/4	202,731	3/4	187,659	3/4	172,588	3/4	157,450	3/4	142,292	3/4	127,132	3/4	111,970

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.
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 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "CBC 316"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 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	96,491	0	81,329	0	66,166	0	51,004	0	36,131	0	21,018	0	5,856	0		0		0	
1/4	96,176	1/4	81,013	1/4	65,851	1/4	50,688	1/4	35,823	1/4	20,702	1/4	5,540	1/4	1/4	1/4	1/4	1/4	1/4
1/2	95,860	1/2	80,697	1/2	65,535	1/2	50,372	1/2	35,515	1/2	20,386	1/2	5,225	1/2	1/2	1/2	1/2	1/2	1/2
3/4	95,544	3/4	80,381	3/4	65,219	3/4	50,056	3/4	35,206	3/4	20,070	3/4	4,909	3/4	3/4	3/4	3/4	3/4	3/4
1	95,228	1	80,065	1	64,903	1	49,741	1	34,897	1	19,754	1	4,593	1	1	1	1	1	1
1/4	94,912	1/4	79,750	1/4	64,587	1/4	49,425	1/4	34,588	1/4	19,439	1/4	4,278	1/4	1/4	1/4	1/4	1/4	1/4
1/2	94,596	1/2	79,434	1/2	64,271	1/2	49,109	1/2	34,278	1/2	19,123	1/2	3,963	1/2	1/2	1/2	1/2	1/2	1/2
3/4	94,280	3/4	79,118	3/4	63,955	3/4	48,794	3/4	33,969	3/4	18,807	3/4	3,648	3/4	3/4	3/4	3/4	3/4	3/4
2	93,964	2	78,802	2	63,639	2	48,480	2	33,653	2	18,491	2	3,338	2	2	2	2	2	2
1/4	93,648	1/4	78,486	1/4	63,324	1/4	48,166	1/4	33,337	1/4	18,175	1/4	3,028	1/4	1/4	1/4	1/4	1/4	1/4
1/2	93,333	1/2	78,170	1/2	63,008	1/2	47,852	1/2	33,021	1/2	17,859	1/2	2,719	1/2	1/2	1/2	1/2	1/2	1/2
3/4	93,017	3/4	77,854	3/4	62,692	3/4	47,538	3/4	32,705	3/4	17,543	3/4	2,409	3/4	3/4	3/4	3/4	3/4	3/4
3	92,701	3	77,538	3	62,376	3	47,225	3	32,390	3	17,227	3	2,143	3	3	3	3	3	3
1/4	92,385	1/4	77,222	1/4	62,060	1/4	46,911	1/4	32,074	1/4	16,912	1/4	1,876	1/4	1/4	1/4	1/4	1/4	1/4
1/2	92,069	1/2	76,907	1/2	61,744	1/2	46,598	1/2	31,758	1/2	16,596	1/2	1,610	1/2	1/2	1/2	1/2	1/2	1/2
3/4	91,753	3/4	76,591	3/4	61,428	3/4	46,285	3/4	31,442	3/4	16,280	3/4	1,343	3/4	3/4	3/4	3/4	3/4	3/4
4	91,437	4	76,275	4	61,112	4	45,977	4	31,126	4	15,964	4	1,156	4	4	4	4	4	4
1/4	91,121	1/4	75,959	1/4	60,796	1/4	45,670	1/4	30,810	1/4	15,648	1/4	968	1/4	1/4	1/4	1/4	1/4	1/4
1/2	90,806	1/2	75,643	1/2	60,481	1/2	45,362	1/2	30,494	1/2	15,332	1/2	781	1/2	1/2	1/2	1/2	1/2	1/2
3/4	90,490	3/4	75,327	3/4	60,165	3/4	45,054	3/4	30,178	3/4	15,016	3/4	593	3/4	3/4	3/4	3/4	3/4	3/4
5	90,174	5	75,011	5	59,849	5	44,747	5	29,863	5	14,700	5		5	5	5	5	5	5
1/4	89,858	1/4	74,695	1/4	59,533	1/4	44,439	1/4	29,547	1/4	14,385	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	89,542	1/2	74,379	1/2	59,217	1/2	44,131	1/2	29,231	1/2	14,069	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	89,226	3/4	74,064	3/4	58,901	3/4	43,824	3/4	28,915	3/4	13,753	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	88,910	6	73,748	6	58,585	6	43,516	6	28,599	6	13,437	6	6	6	6	6	6	6	6
1/4	88,594	1/4	73,432	1/4	58,269	1/4	43,208	1/4	28,283	1/4	13,121	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	88,278	1/2	73,116	1/2	57,953	1/2	42,901	1/2	27,967	1/2	12,805	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	87,963	3/4	72,800	3/4	57,638	3/4	42,593	3/4	27,651	3/4	12,489	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	87,647	7	72,484	7	57,322	7	42,286	7	27,336	7	12,173	7	7	7	7	7	7	7	7
1/4	87,331	1/4	72,168	1/4	57,006	1/4	41,978	1/4	27,020	1/4	11,858	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	87,015	1/2	71,852	1/2	56,690	1/2	41,670	1/2	26,704	1/2	11,542	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	86,699	3/4	71,537	3/4	56,374	3/4	41,363	3/4	26,388	3/4	11,226	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	86,383	8	71,221	8	56,058	8	41,055	8	26,072	8	10,910	8	8	8	8	8	8	8	8
1/4	86,067	1/4	70,905	1/4	55,742	1/4	40,747	1/4	25,756	1/4	10,594	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	85,751	1/2	70,589	1/2	55,426	1/2	40,440	1/2	25,440	1/2	10,278	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	85,435	3/4	70,273	3/4	55,111	3/4	40,132	3/4	25,124	3/4	9,962	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	85,120	9	69,957	9	54,795	9	39,824	9	24,809	9	9,646	9	9	9	9	9	9	9	9
1/4	84,804	1/4	69,641	1/4	54,479	1/4	39,517	1/4	24,493	1/4	9,331	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	84,488	1/2	69,325	1/2	54,163	1/2	39,209	1/2	24,177	1/2	9,015	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	84,172	3/4	69,009	3/4	53,847	3/4	38,901	3/4	23,861	3/4	8,699	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	83,856	10	68,694	10	53,531	10	38,594	10	23,545	10	8,383	10	10	10	10	10	10	10	10
1/4	83,540	1/4	68,378	1/4	53,215	1/4	38,286	1/4	23,229	1/4	8,067	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	83,224	1/2	68,062	1/2	52,899	1/2	37,978	1/2	22,913	1/2	7,751	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,908	3/4	67,746	3/4	52,583	3/4	37,671	3/4	22,597	3/4	7,435	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	82,593	11	67,430	11	52,268	11	37,363	11	22,282	11	7,119	11	11	11	11	11	11	11	11
1/4	82,277	1/4	67,114	1/4	51,952	1/4	37,055	1/4	21,966	1/4	6,804	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	81,961	1/2	66,798	1/2	51,636	1/2	36,747	1/2	21,650	1/2	6,488	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	81,645	3/4	66,482	3/4	51,320	3/4	36,440	3/4	21,334	3/4	6,172	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/12/2013 SW
CALCULATED: 03/14/2013 CL
PRINTED: 03/16/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "CBC 316"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	195,038	0	183,116	0	171,195	0	159,217	0	144,720	0	129,166	0	113,611
1/4	1/4	1/4	1/4	1/4	1/4	1/4	194,790	1/4	182,868	1/4	170,946	1/4	158,964	1/4	144,396	1/4	128,842	1/4	113,287
1/2	1/2	1/2	1/2	1/2	1/2	1/2	205,632	1/2	194,541	1/2	182,620	1/2	170,698	1/2	158,712	1/2	144,072	1/2	128,518
3/4	3/4	3/4	3/4	3/4	3/4	3/4	205,506	3/4	194,293	3/4	182,371	3/4	170,450	3/4	158,460	3/4	143,748	3/4	128,194
1		1		1		1	205,380	1	194,045	1	182,123	1	170,201	1	158,207	1	143,424	1	127,870
1/4	1/4	1/4	1/4	1/4	1/4	1/4	205,212	1/4	193,796	1/4	181,875	1/4	169,953	1/4	157,945	1/4	143,100	1/4	127,546
1/2	1/2	1/2	1/2	1/2	1/2	1/2	205,044	1/2	193,548	1/2	181,626	1/2	169,704	1/2	157,683	1/2	142,776	1/2	127,222
3/4	3/4	3/4	3/4	3/4	3/4	3/4	204,877	3/4	193,300	3/4	181,378	3/4	169,456	3/4	157,421	3/4	142,452	3/4	126,898
2		2		2		2	204,709	2	193,051	2	181,129	2	169,207	2	157,159	2	142,128	2	126,574
1/4	1/4	1/4	1/4	1/4	1/4	1/4	204,501	1/4	192,803	1/4	180,881	1/4	168,957	1/4	156,884	1/4	141,804	1/4	126,250
1/2	1/2	1/2	1/2	1/2	1/2	1/2	204,292	1/2	192,554	1/2	180,633	1/2	168,708	1/2	156,610	1/2	141,480	1/2	125,925
3/4	3/4	3/4	3/4	3/4	3/4	3/4	204,084	3/4	192,306	3/4	180,384	3/4	168,458	3/4	156,335	3/4	141,156	3/4	125,601
3		3		3		3	203,875	3	192,058	3	180,136	3	168,208	3	156,061	3	140,831	3	125,277
1/4	1/4	1/4	1/4	1/4	1/4	1/4	203,636	1/4	191,809	1/4	179,888	1/4	167,958	1/4	155,773	1/4	140,507	1/4	124,953
1/2	1/2	1/2	1/2	1/2	1/2	1/2	203,397	1/2	191,561	1/2	179,639	1/2	167,709	1/2	155,486	1/2	140,183	1/2	124,629
3/4	3/4	3/4	3/4	3/4	3/4	3/4	203,158	3/4	191,313	3/4	179,391	3/4	167,459	3/4	155,199	3/4	139,859	3/4	124,305
4		4		4		4	202,918	4	191,064	4	179,143	4	167,209	4	154,912	4	139,535	4	123,981
1/4	1/4	1/4	1/4	1/4	1/4	1/4	202,675	1/4	190,816	1/4	178,894	1/4	166,959	1/4	154,612	1/4	139,211	1/4	123,657
1/2	1/2	1/2	1/2	1/2	1/2	1/2	202,431	1/2	190,567	1/2	178,646	1/2	166,710	1/2	154,312	1/2	138,887	1/2	123,333
3/4	3/4	3/4	3/4	3/4	3/4	3/4	202,187	3/4	190,319	3/4	178,397	3/4	166,460	3/4	154,013	3/4	138,563	3/4	123,009
5		5		5		5	201,944	5	190,071	5	178,149	5	166,210	5	153,713	5	138,239	5	122,685
1/4	1/4	1/4	1/4	1/4	1/4	1/4	201,699	1/4	189,822	1/4	177,901	1/4	165,961	1/4	153,401	1/4	137,915	1/4	122,361
1/2	1/2	1/2	1/2	1/2	1/2	1/2	201,454	1/2	189,574	1/2	177,652	1/2	165,711	1/2	153,089	1/2	137,591	1/2	122,037
3/4	3/4	3/4	3/4	3/4	3/4	3/4	201,210	3/4	189,326	3/4	177,404	3/4	165,461	3/4	152,777	3/4	137,267	3/4	121,713
6		6		6		6	200,965	6	189,077	6	177,156	6	165,211	6	152,465	6	136,943	6	121,389
1/4	1/4	1/4	1/4	1/4	1/4	1/4	200,720	1/4	188,829	1/4	176,907	1/4	164,962	1/4	152,144	1/4	136,619	1/4	121,065
1/2	1/2	1/2	1/2	1/2	1/2	1/2	200,475	1/2	188,581	1/2	176,659	1/2	164,712	1/2	151,822	1/2	136,295	1/2	120,741
3/4	3/4	3/4	3/4	3/4	3/4	3/4	200,230	3/4	188,332	3/4	176,410	3/4	164,462	3/4	151,501	3/4	135,971	3/4	120,416
7		7		7		7	199,985	7	188,084	7	176,162	7	164,212	7	151,180	7	135,647	7	120,092
1/4	1/4	1/4	1/4	1/4	1/4	1/4	199,739	1/4	187,835	1/4	175,914	1/4	163,963	1/4	150,857	1/4	135,323	1/4	119,768
1/2	1/2	1/2	1/2	1/2	1/2	1/2	199,494	1/2	187,587	1/2	175,665	1/2	163,713	1/2	150,535	1/2	134,999	1/2	119,444
3/4	3/4	3/4	3/4	3/4	3/4	3/4	199,248	3/4	187,339	3/4	175,417	3/4	163,463	3/4	150,212	3/4	134,675	3/4	119,120
8		8		8		8	199,003	8	187,090	8	175,169	8	163,213	8	149,889	8	134,351	8	118,796
1/4	1/4	1/4	1/4	1/4	1/4	1/4	198,757	1/4	186,842	1/4	174,920	1/4	162,964	1/4	149,567	1/4	134,027	1/4	118,472
1/2	1/2	1/2	1/2	1/2	1/2	1/2	198,511	1/2	186,594	1/2	174,672	1/2	162,714	1/2	149,244	1/2	133,703	1/2	118,148
3/4	3/4	3/4	3/4	3/4	3/4	3/4	198,265	3/4	186,345	3/4	174,424	3/4	162,464	3/4	148,921	3/4	133,379	3/4	117,824
9		9		9		9	198,019	9	186,097	9	174,175	9	162,214	9	148,598	9	133,055	9	117,500
1/4	1/4	1/4	1/4	1/4	1/4	1/4	197,770	1/4	185,848	1/4	173,927	1/4	161,965	1/4	148,275	1/4	132,731	1/4	117,176
1/2	1/2	1/2	1/2	1/2	1/2	1/2	197,522	1/2	185,600	1/2	173,678	1/2	161,715	1/2	147,952	1/2	132,407	1/2	116,852
3/4	3/4	3/4	3/4	3/4	3/4	3/4	197,273	3/4	185,352	3/4	173,430	3/4	161,465	3/4	147,629	3/4	132,083	3/4	116,528
10		10		10		10	197,025	10	185,103	10	173,182	10	161,216	10	147,306	10	131,759	10	116,204
1/4	1/4	1/4	1/4	1/4	1/4	1/4	196,777	1/4	184,855	1/4	172,933	1/4	160,966	1/4	146,983	1/4	131,434	1/4	115,880
1/2	1/2	1/2	1/2	1/2	1/2	1/2	196,528	1/2	184,607	1/2	172,685	1/2	160,716	1/2	146,659	1/2	131,110	1/2	115,556
3/4	3/4	3/4	3/4	3/4	3/4	3/4	196,280	3/4	184,358	3/4	172,437	3/4	160,466	3/4	146,336	3/4	130,786	3/4	115,232
11		11		11		11	196,032	11	184,110	11	172,188	11	160,217	11	146,013	11	130,462	11	114,907
1/4	1/4	1/4	1/4	1/4	1/4	1/4	195,783	1/4	183,862	1/4	171,940	1/4	159,967	1/4	145,690	1/4	130,138	1/4	114,583
1/2	1/2	1/2	1/2	1/2	1/2	1/2	195,535	1/2	183,613	1/2	171,691	1/2	159,717	1/2	145,366	1/2	129,814	1/2	114,259
3/4	3/4	3/4	3/4	3/4	3/4	3/4	195,286	3/4	183,365	3/4	171,443	3/4	159,467	3/4	145,043	3/4	129,490	3/4	113,935

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE.
 GAUGE POINT: (MMC) LOCATED 11'-00" OFF CENTERLINE AND 44'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "CBC 316"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	98,087	0	82,541	0	66,974	0	51,442	0	36,244	0	20,660	0	5,053	0		0		0	
1/4	97,764	1/4	82,216	1/4	66,650	1/4	51,126	1/4	35,920	1/4	20,335	1/4	4,728	1/4	1/4		1/4		1/4
1/2	97,440	1/2	81,892	1/2	66,325	1/2	50,809	1/2	35,596	1/2	20,010	1/2	4,404	1/2	1/2		1/2		1/2
3/4	97,117	3/4	81,568	3/4	66,001	3/4	50,493	3/4	35,272	3/4	19,685	3/4	4,079	3/4	3/4		3/4		3/4
1	96,794	1	81,243	1	65,677	1	50,176	1	34,948	1	19,360	1	3,755	1	1		1		1
1/4	96,471	1/4	80,919	1/4	65,353	1/4	49,860	1/4	34,624	1/4	19,035	1/4	3,436	1/4	1/4		1/4		1/4
1/2	96,148	1/2	80,595	1/2	65,028	1/2	49,544	1/2	34,300	1/2	18,709	1/2	3,117	1/2	1/2		1/2		1/2
3/4	95,824	3/4	80,270	3/4	64,704	3/4	49,228	3/4	33,975	3/4	18,384	3/4	2,799	3/4	3/4		3/4		3/4
2	95,501	2	79,946	2	64,380	2	48,912	2	33,651	2	18,059	2	2,480	2	2		2		2
1/4	95,178	1/4	79,622	1/4	64,055	1/4	48,596	1/4	33,327	1/4	17,734	1/4	2,206	1/4	1/4		1/4		1/4
1/2	94,855	1/2	79,297	1/2	63,731	1/2	48,280	1/2	33,003	1/2	17,409	1/2	1,931	1/2	1/2		1/2		1/2
3/4	94,531	3/4	78,973	3/4	63,407	3/4	47,964	3/4	32,679	3/4	17,084	3/4	1,657	3/4	3/4		3/4		3/4
3	94,208	3	78,649	3	63,082	3	47,647	3	32,355	3	16,758	3	1,383	3	3		3		3
1/4	93,885	1/4	78,325	1/4	62,758	1/4	47,332	1/4	32,031	1/4	16,433	1/4	1,190	1/4	1/4		1/4		1/4
1/2	93,562	1/2	78,000	1/2	62,434	1/2	47,016	1/2	31,706	1/2	16,108	1/2	997	1/2	1/2		1/2		1/2
3/4	93,239	3/4	77,676	3/4	62,109	3/4	46,700	3/4	31,382	3/4	15,783	3/4	804	3/4	3/4		3/4		3/4
4	92,915	4	77,352	4	61,785	4	46,384	4	31,058	4	15,458	4	610	4	4		4		4
1/4	92,592	1/4	77,027	1/4	61,461	1/4	46,069	1/4	30,734	1/4	15,133	1/4		1/4	1/4		1/4		1/4
1/2	92,269	1/2	76,703	1/2	61,136	1/2	45,753	1/2	30,410	1/2	14,807	1/2		1/2	1/2		1/2		1/2
3/4	91,945	3/4	76,379	3/4	60,812	3/4	45,437	3/4	30,086	3/4	14,482	3/4		3/4	3/4		3/4		3/4
5	91,622	5	76,054	5	60,488	5	45,121	5	29,761	5	14,157	5		5	5		5		5
1/4	91,298	1/4	75,730	1/4	60,163	1/4	44,806	1/4	29,437	1/4	13,832	1/4		1/4	1/4		1/4		1/4
1/2	90,973	1/2	75,406	1/2	59,839	1/2	44,490	1/2	29,113	1/2	13,507	1/2		1/2	1/2		1/2		1/2
3/4	90,649	3/4	75,081	3/4	59,515	3/4	44,174	3/4	28,789	3/4	13,182	3/4		3/4	3/4		3/4		3/4
6	90,325	6	74,757	6	59,190	6	43,858	6	28,464	6	12,857	6		6	6		6		6
1/4	90,000	1/4	74,433	1/4	58,866	1/4	43,543	1/4	28,139	1/4	12,531	1/4		1/4	1/4		1/4		1/4
1/2	89,676	1/2	74,108	1/2	58,542	1/2	43,227	1/2	27,814	1/2	12,206	1/2		1/2	1/2		1/2		1/2
3/4	89,352	3/4	73,784	3/4	58,217	3/4	42,911	3/4	27,489	3/4	11,881	3/4		3/4	3/4		3/4		3/4
7	89,027	7	73,460	7	57,893	7	42,595	7	27,164	7	11,556	7		7	7		7		7
1/4	88,703	1/4	73,135	1/4	57,569	1/4	42,280	1/4	26,839	1/4	11,231	1/4		1/4	1/4		1/4		1/4
1/2	88,379	1/2	72,811	1/2	57,244	1/2	41,964	1/2	26,513	1/2	10,906	1/2		1/2	1/2		1/2		1/2
3/4	88,054	3/4	72,487	3/4	56,920	3/4	41,648	3/4	26,188	3/4	10,580	3/4		3/4	3/4		3/4		3/4
8	87,730	8	72,162	8	56,596	8	41,333	8	25,863	8	10,255	8		8	8		8		8
1/4	87,406	1/4	71,838	1/4	56,272	1/4	41,017	1/4	25,538	1/4	9,930	1/4		1/4	1/4		1/4		1/4
1/2	87,081	1/2	71,514	1/2	55,947	1/2	40,701	1/2	25,213	1/2	9,605	1/2		1/2	1/2		1/2		1/2
3/4	86,757	3/4	71,189	3/4	55,623	3/4	40,385	3/4	24,888	3/4	9,280	3/4		3/4	3/4		3/4		3/4
9	86,433	9	70,865	9	55,299	9	40,070	9	24,562	9	8,955	9		9	9		9		9
1/4	86,108	1/4	70,541	1/4	54,974	1/4	39,754	1/4	24,237	1/4	8,629	1/4		1/4	1/4		1/4		1/4
1/2	85,784	1/2	70,216	1/2	54,650	1/2	39,438	1/2	23,912	1/2	8,304	1/2		1/2	1/2		1/2		1/2
3/4	85,460	3/4	69,892	3/4	54,326	3/4	39,123	3/4	23,587	3/4	7,979	3/4		3/4	3/4		3/4		3/4
10	85,135	10	69,568	10	54,001	10	38,807	10	23,262	10	7,654	10		10	10		10		10
1/4	84,811	1/4	69,243	1/4	53,678	1/4	38,490	1/4	22,937	1/4	7,329	1/4		1/4	1/4		1/4		1/4
1/2	84,487	1/2	68,919	1/2	53,355	1/2	38,174	1/2	22,611	1/2	7,004	1/2		1/2	1/2		1/2		1/2
3/4	84,162	3/4	68,595	3/4	53,031	3/4	37,858	3/4	22,286	3/4	6,678	3/4		3/4	3/4		3/4		3/4
11	83,838	11	68,270	11	52,708	11	37,541	11	21,961	11	6,353	11		11	11		11		11
1/4	83,514	1/4	67,946	1/4	52,391	1/4	37,217	1/4	21,636	1/4	6,028	1/4		1/4	1/4		1/4		1/4
1/2	83,189	1/2	67,622	1/2	52,075	1/2	36,893	1/2	21,311	1/2	5,703	1/2		1/2	1/2		1/2		1/2
3/4	82,865	3/4	67,298	3/4	51,758	3/4	36,569	3/4	20,986	3/4	5,378	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/12/2013 SW
CALCULATED: 03/14/2013 CL
PRINTED: 03/16/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2013

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



BARGE "CBC 316"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	195,209	0	183,287	0	171,365	0	159,391	0	145,040	0	129,488	0	113,933
1/4	1/4	1/4	1/4	1/4	1/4	1/4	194,960	1/4	183,039	1/4	171,117	1/4	159,141	1/4	144,717	1/4	129,164	1/4	113,609
1/2	1/2	1/2	1/2	1/2	1/2	1/2	194,712	1/2	182,790	1/2	170,869	1/2	158,891	1/2	144,394	1/2	128,840	1/2	113,285
3/4	3/4	3/4	3/4	3/4	3/4	3/4	194,464	3/4	182,542	3/4	170,620	3/4	158,638	3/4	144,070	3/4	128,516	3/4	112,961
1		1		1	205,306	1	194,215	1	182,294	1	170,372	1	158,386	1	143,746	1	128,192	1	112,637
1/4	1/4	1/4	1/4	1/4	205,180	1/4	193,967	1/4	182,045	1/4	170,124	1/4	158,134	1/4	143,422	1/4	127,868	1/4	112,313
1/2	1/2	1/2	1/2	1/2	205,054	1/2	193,719	1/2	181,797	1/2	169,875	1/2	157,881	1/2	143,098	1/2	127,544	1/2	111,989
3/4	3/4	3/4	3/4	3/4	204,886	3/4	193,470	3/4	181,549	3/4	169,627	3/4	157,619	3/4	142,774	3/4	127,220	3/4	111,665
2		2		2	204,718	2	193,222	2	181,300	2	169,378	2	157,357	2	142,450	2	126,896	2	111,342
1/4	1/4	1/4	1/4	1/4	204,551	1/4	192,974	1/4	181,052	1/4	169,130	1/4	157,095	1/4	142,126	1/4	126,572	1/4	111,018
1/2	1/2	1/2	1/2	1/2	204,383	1/2	192,725	1/2	180,803	1/2	168,881	1/2	156,833	1/2	141,802	1/2	126,248	1/2	110,694
3/4	3/4	3/4	3/4	3/4	204,175	3/4	192,477	3/4	180,555	3/4	168,631	3/4	156,558	3/4	141,478	3/4	125,924	3/4	110,370
3		3		3	203,966	3	192,228	3	180,307	3	168,382	3	156,284	3	141,154	3	125,599	3	110,046
1/4	1/4	1/4	1/4	1/4	203,758	1/4	191,980	1/4	180,058	1/4	168,132	1/4	156,009	1/4	140,830	1/4	125,275	1/4	109,723
1/2	1/2	1/2	1/2	1/2	203,549	1/2	191,732	1/2	179,810	1/2	167,882	1/2	155,735	1/2	140,505	1/2	124,951	1/2	109,399
3/4	3/4	3/4	3/4	3/4	203,310	3/4	191,483	3/4	179,562	3/4	167,632	3/4	155,447	3/4	140,181	3/4	124,627	3/4	109,075
4		4		4	203,071	4	191,235	4	179,313	4	167,383	4	155,160	4	139,857	4	124,303	4	108,751
1/4	1/4	1/4	1/4	1/4	202,832	1/4	190,987	1/4	179,065	1/4	167,133	1/4	154,873	1/4	139,533	1/4	123,979	1/4	108,427
1/2	1/2	1/2	1/2	1/2	202,592	1/2	190,738	1/2	178,817	1/2	166,883	1/2	154,586	1/2	139,209	1/2	123,655	1/2	108,104
3/4	3/4	3/4	3/4	3/4	202,349	3/4	190,490	3/4	178,568	3/4	166,633	3/4	154,286	3/4	138,885	3/4	123,331	3/4	107,780
5		5		5	202,105	5	190,241	5	178,320	5	166,384	5	153,986	5	138,561	5	123,007	5	107,456
1/4	1/4	1/4	1/4	1/4	201,861	1/4	189,993	1/4	178,071	1/4	166,134	1/4	153,687	1/4	138,237	1/4	122,683	1/4	107,132
1/2	1/2	1/2	1/2	1/2	201,618	1/2	189,745	1/2	177,823	1/2	165,884	1/2	153,387	1/2	137,913	1/2	122,359	1/2	106,809
3/4	3/4	3/4	3/4	3/4	201,373	3/4	189,496	3/4	177,575	3/4	165,635	3/4	153,075	3/4	137,589	3/4	122,035	3/4	106,486
6		6		6	201,128	6	189,248	6	177,326	6	165,385	6	152,763	6	137,265	6	121,711	6	106,163
1/4	1/4	1/4	1/4	1/4	200,884	1/4	189,000	1/4	177,078	1/4	165,135	1/4	152,451	1/4	136,941	1/4	121,387	1/4	105,840
1/2	1/2	1/2	1/2	1/2	200,639	1/2	188,751	1/2	176,830	1/2	164,885	1/2	152,139	1/2	136,617	1/2	121,063	1/2	105,517
3/4	3/4	3/4	3/4	3/4	200,394	3/4	188,503	3/4	176,581	3/4	164,636	3/4	151,818	3/4	136,293	3/4	120,739	3/4	105,194
7		7		7	200,149	7	188,255	7	176,333	7	164,386	7	151,496	7	135,969	7	120,415	7	104,871
1/4	1/4	1/4	1/4	1/4	199,904	1/4	188,006	1/4	176,084	1/4	164,136	1/4	151,175	1/4	135,645	1/4	120,090	1/4	104,548
1/2	1/2	1/2	1/2	1/2	199,659	1/2	187,758	1/2	175,836	1/2	163,886	1/2	150,854	1/2	135,321	1/2	119,766	1/2	104,225
3/4	3/4	3/4	3/4	3/4	199,413	3/4	187,509	3/4	175,588	3/4	163,637	3/4	150,531	3/4	134,997	3/4	119,442	3/4	103,902
8		8		8	199,168	8	187,261	8	175,339	8	163,387	8	150,209	8	134,673	8	119,118	8	103,579
1/4	1/4	1/4	1/4	1/4	198,922	1/4	187,013	1/4	175,091	1/4	163,137	1/4	149,886	1/4	134,349	1/4	118,794	1/4	103,256
1/2	1/2	1/2	1/2	1/2	198,677	1/2	186,764	1/2	174,843	1/2	162,887	1/2	149,563	1/2	134,025	1/2	118,470	1/2	102,932
3/4	3/4	3/4	3/4	3/4	198,431	3/4	186,516	3/4	174,594	3/4	162,638	3/4	149,241	3/4	133,701	3/4	118,146	3/4	102,609
9		9		9	198,185	9	186,268	9	174,346	9	162,388	9	148,918	9	133,377	9	117,822	9	102,286
1/4	1/4	1/4	1/4	1/4	197,939	1/4	186,019	1/4	174,098	1/4	162,138	1/4	148,595	1/4	133,053	1/4	117,498	1/4	101,963
1/2	1/2	1/2	1/2	1/2	197,693	1/2	185,771	1/2	173,849	1/2	161,888	1/2	148,272	1/2	132,729	1/2	117,174	1/2	101,640
3/4	3/4	3/4	3/4	3/4	197,444	3/4	185,522	3/4	173,601	3/4	161,639	3/4	147,949	3/4	132,405	3/4	116,850	3/4	101,316
10		10		10	197,196	10	185,274	10	173,352	10	161,389	10	147,626	10	132,081	10	116,526	10	100,993
1/4	1/4	1/4	1/4	1/4	196,947	1/4	185,026	1/4	173,104	1/4	161,139	1/4	147,303	1/4	131,757	1/4	116,202	1/4	100,670
1/2	1/2	1/2	1/2	1/2	196,699	1/2	184,777	1/2	172,856	1/2	160,890	1/2	146,980	1/2	131,433	1/2	115,878	1/2	100,347
3/4	3/4	3/4	3/4	3/4	196,451	3/4	184,529	3/4	172,607	3/4	160,640	3/4	146,657	3/4	131,108	3/4	115,554	3/4	100,023
11		11		11	196,202	11	184,281	11	172,359	11	160,390	11	146,333	11	130,784	11	115,230	11	99,700
1/4	1/4	1/4	1/4	1/4	195,954	1/4	184,032	1/4	172,111	1/4	160,140	1/4	146,010	1/4	130,460	1/4	114,906	1/4	99,377
1/2	1/2	1/2	1/2	1/2	195,706	1/2	183,784	1/2	171,862	1/2	159,891	1/2	145,687	1/2	130,136	1/2	114,581	1/2	99,054
3/4	3/4	3/4	3/4	3/4	195,457	3/4	183,536	3/4	171,614	3/4	159,641	3/4	145,364	3/4	129,812	3/4	114,257	3/4	98,731

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE.
 GAUGE POINT: (MMC) LOCATED 11'-00" OFF CENTERLINE AND 44'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "CBC 316"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 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	98,407	0	82,863	0	67,296	0	51,764	0	36,891	0	21,310	0	5,703	0		0		0	
1/4	98,084	1/4	82,539	1/4	66,972	1/4	51,454	1/4	36,567	1/4	20,985	1/4	5,378	1/4	1/4	1/4	1/4	1/4	1/4
1/2	97,761	1/2	82,215	1/2	66,648	1/2	51,144	1/2	36,244	1/2	20,660	1/2	5,053	1/2	1/2	1/2	1/2	1/2	1/2
3/4	97,438	3/4	81,890	3/4	66,324	3/4	50,833	3/4	35,920	3/4	20,335	3/4	4,728	3/4	3/4	3/4	3/4	3/4	3/4
1	97,114	1	81,566	1	65,999	1	50,523	1	35,596	1	20,010	1	4,403	1	1	1	1	1	1
1/4	96,791	1/4	81,242	1/4	65,675	1/4	50,213	1/4	35,272	1/4	19,684	1/4	4,079	1/4	1/4	1/4	1/4	1/4	1/4
1/2	96,468	1/2	80,917	1/2	65,351	1/2	49,903	1/2	34,947	1/2	19,359	1/2	3,754	1/2	1/2	1/2	1/2	1/2	1/2
3/4	96,145	3/4	80,593	3/4	65,027	3/4	49,593	3/4	34,623	3/4	19,034	3/4	3,436	3/4	3/4	3/4	3/4	3/4	3/4
2	95,822	2	80,269	2	64,702	2	49,283	2	34,299	2	18,709	2	3,117	2	2	2	2	2	2
1/4	95,498	1/4	79,944	1/4	64,378	1/4	48,973	1/4	33,975	1/4	18,384	1/4	2,798	1/4	1/4	1/4	1/4	1/4	1/4
1/2	95,175	1/2	79,620	1/2	64,054	1/2	48,663	1/2	33,651	1/2	18,059	1/2	2,479	1/2	1/2	1/2	1/2	1/2	1/2
3/4	94,852	3/4	79,296	3/4	63,729	3/4	48,354	3/4	33,327	3/4	17,733	3/4	2,205	3/4	3/4	3/4	3/4	3/4	3/4
3	94,529	3	78,971	3	63,405	3	48,045	3	33,002	3	17,408	3	1,931	3	3	3	3	3	3
1/4	94,205	1/4	78,647	1/4	63,081	1/4	47,735	1/4	32,678	1/4	17,083	1/4	1,656	1/4	1/4	1/4	1/4	1/4	1/4
1/2	93,882	1/2	78,323	1/2	62,756	1/2	47,426	1/2	32,354	1/2	16,758	1/2	1,382	1/2	1/2	1/2	1/2	1/2	1/2
3/4	93,559	3/4	77,999	3/4	62,432	3/4	47,117	3/4	32,030	3/4	16,433	3/4	1,189	3/4	3/4	3/4	3/4	3/4	3/4
4	93,236	4	77,674	4	62,108	4	46,808	4	31,706	4	16,108	4	996	4	4	4	4	4	4
1/4	92,913	1/4	77,350	1/4	61,783	1/4	46,500	1/4	31,382	1/4	15,782	1/4	803	1/4	1/4	1/4	1/4	1/4	1/4
1/2	92,589	1/2	77,026	1/2	61,459	1/2	46,191	1/2	31,058	1/2	15,457	1/2	610	1/2	1/2	1/2	1/2	1/2	1/2
3/4	92,266	3/4	76,701	3/4	61,135	3/4	45,882	3/4	30,733	3/4	15,132	3/4		3/4	3/4	3/4	3/4	3/4	3/4
5	91,943	5	76,377	5	60,810	5	45,573	5	30,409	5	14,807	5		5	5	5	5	5	5
1/4	91,619	1/4	76,053	1/4	60,486	1/4	45,264	1/4	30,085	1/4	14,482	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	91,296	1/2	75,728	1/2	60,162	1/2	44,955	1/2	29,761	1/2	14,157	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	90,972	3/4	75,404	3/4	59,837	3/4	44,647	3/4	29,437	3/4	13,831	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	90,647	6	75,080	6	59,513	6	44,338	6	29,112	6	13,506	6	6	6	6	6	6	6	6
1/4	90,323	1/4	74,755	1/4	59,189	1/4	44,029	1/4	28,788	1/4	13,181	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	89,999	1/2	74,431	1/2	58,864	1/2	43,720	1/2	28,464	1/2	12,856	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	89,674	3/4	74,107	3/4	58,540	3/4	43,411	3/4	28,139	3/4	12,531	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	89,350	7	73,782	7	58,216	7	43,102	7	27,813	7	12,206	7	7	7	7	7	7	7	7
1/4	89,026	1/4	73,458	1/4	57,891	1/4	42,794	1/4	27,488	1/4	11,881	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	88,701	1/2	73,134	1/2	57,567	1/2	42,485	1/2	27,163	1/2	11,555	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	88,377	3/4	72,809	3/4	57,243	3/4	42,176	3/4	26,838	3/4	11,230	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	88,053	8	72,485	8	56,918	8	41,867	8	26,513	8	10,905	8	8	8	8	8	8	8	8
1/4	87,728	1/4	72,161	1/4	56,594	1/4	41,558	1/4	26,188	1/4	10,580	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	87,404	1/2	71,836	1/2	56,270	1/2	41,250	1/2	25,863	1/2	10,255	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	87,080	3/4	71,512	3/4	55,946	3/4	40,941	3/4	25,537	3/4	9,930	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	86,755	9	71,188	9	55,621	9	40,632	9	25,212	9	9,604	9	9	9	9	9	9	9	9
1/4	86,431	1/4	70,863	1/4	55,297	1/4	40,323	1/4	24,887	1/4	9,279	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	86,107	1/2	70,539	1/2	54,973	1/2	40,014	1/2	24,562	1/2	8,954	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	85,782	3/4	70,215	3/4	54,648	3/4	39,705	3/4	24,237	3/4	8,629	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	85,458	10	69,890	10	54,324	10	39,397	10	23,912	10	8,304	10	10	10	10	10	10	10	10
1/4	85,134	1/4	69,566	1/4	54,000	1/4	39,088	1/4	23,586	1/4	7,979	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	84,809	1/2	69,242	1/2	53,675	1/2	38,779	1/2	23,261	1/2	7,653	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	84,485	3/4	68,917	3/4	53,353	3/4	38,469	3/4	22,936	3/4	7,328	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	84,161	11	68,593	11	53,030	11	38,159	11	22,611	11	7,003	11	11	11	11	11	11	11	11
1/4	83,836	1/4	68,269	1/4	52,708	1/4	37,848	1/4	22,286	1/4	6,678	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	83,512	1/2	67,944	1/2	52,385	1/2	37,538	1/2	21,961	1/2	6,353	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	83,188	3/4	67,620	3/4	52,075	3/4	37,214	3/4	21,635	3/4	6,028	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/12/2013 SW
CALCULATED: 03/14/2013 CL
PRINTED: 03/16/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2013

PRECISION MEASUREMENT
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