

BARGE "CBC 314"

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	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
1 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
2 PORT	00-1/8	- 00-1/8	00-1/8	- 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 = 2'-00"
AFT DRAFT = 6'-00"
DIFF. = 4'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 2 PORT IS 00-1/8"
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"

February 26, 2013

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

<http://www.pmacorp.net>



BARGE CBC 314"

1 POR.

INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	N	IN	N	IN	N	IN	N	IN	N	IN	N	IN	N	IN	N	IN	N	IN	N
0	0	13,229	0	28,404	0	44,021	0	59,714	0	75,423	0	91,131	0	106,840	0	122,548	0	138,255	0
1/4	1/4	13,530	1/4	28,731	1/4	44,345	1/4	60,041	1/4	75,750	1/4	91,458	1/4	107,167	1/4	122,875	1/4	138,582	1/4
1/2	1/2	13,830	1/2	29,058	1/2	44,670	1/2	60,369	1/2	76,077	1/2	91,786	1/2	107,494	1/2	123,203	1/2	138,910	1/2
3/4	3/4	14,131	3/4	29,385	3/4	44,994	3/4	60,689	3/4	76,404	3/4	92,113	3/4	107,821	3/4	123,530	3/4	139,237	3/4
1	1	14,432	1	29,713	1	45,319	1	61,023	1	76,732	1	92,440	1	108,149	1	123,857	1	139,564	1
1/4	1/4	14,736	1/4	30,040	1/4	45,647	1/4	61,350	1/4	77,059	1/4	92,767	1/4	108,476	1/4	124,184	1/4	139,891	1/4
1/2	1/2	15,041	1/2	30,367	1/2	45,972	1/2	61,678	1/2	77,386	1/2	93,095	1/2	108,803	1/2	124,512	1/2	140,218	1/2
3/4	3/4	15,345	3/4	30,694	3/4	46,299	3/4	62,000	3/4	77,713	3/4	93,422	3/4	109,130	3/4	124,839	3/4	140,545	3/4
2	2	15,649	2	31,022	2	46,625	2	62,332	2	78,041	2	93,749	2	109,458	2	125,166	2	140,873	2
1/4	1/4	15,957	1/4	31,349	1/4	46,952	1/4	62,659	1/4	78,368	1/4	94,076	1/4	109,785	1/4	125,494	1/4	141,200	1/4
1/2	1/2	16,265	1/2	31,676	1/2	47,279	1/2	62,987	1/2	78,695	1/2	94,404	1/2	110,112	1/2	125,821	1/2	141,527	1/2
3/4	3/4	16,572	3/4	32,003	3/4	47,606	3/4	63,314	3/4	79,022	3/4	94,731	3/4	110,440	3/4	126,148	3/4	141,854	3/4
3	3	16,880	3	32,331	3	47,933	3	63,641	3	79,350	3	95,058	3	110,767	3	126,475	3	142,181	3
1/4	1/4	17,191	1/4	32,656	1/4	48,260	1/4	63,968	1/4	79,677	1/4	95,386	1/4	111,094	1/4	126,803	1/4	142,509	1/4
1/2	1/2	17,502	1/2	32,982	1/2	48,587	1/2	64,296	1/2	80,004	1/2	95,713	1/2	111,421	1/2	127,130	1/2	142,836	1/2
3/4	3/4	17,813	3/4	33,307	3/4	48,914	3/4	64,623	3/4	80,332	3/4	96,040	3/4	111,749	3/4	127,457	3/4	143,163	3/4
4	4	18,124	4	33,633	4	49,242	4	64,950	4	80,659	4	96,367	4	112,076	4	127,784	4	143,490	4
1/4	1/4	18,439	1/4	33,958	1/4	49,569	1/4	65,277	1/4	80,986	1/4	96,695	1/4	112,403	1/4	128,112	1/4	143,817	1/4
1/2	1/2	18,753	1/2	34,283	1/2	49,896	1/2	65,605	1/2	81,313	1/2	97,022	1/2	112,730	1/2	128,439	1/2	144,145	1/2
3/4	3/4	19,068	3/4	34,608	3/4	50,223	3/4	65,932	3/4	81,641	3/4	97,349	3/4	113,058	3/4	128,766	3/4	144,472	3/4
5	5	19,382	5	34,934	5	50,551	5	66,259	5	81,968	5	97,676	5	113,385	5	129,093	5	144,799	5
1/4	1/4	19,700	1/4	35,258	1/4	50,878	1/4	66,587	1/4	82,295	1/4	98,004	1/4	113,712	1/4	129,421	1/4	145,126	1/4
1/2	1/2	20,018	1/2	35,583	1/2	51,205	1/2	66,914	1/2	82,622	1/2	98,331	1/2	114,039	1/2	129,748	1/2	145,453	1/2
3/4	3/4	20,336	3/4	35,907	3/4	51,533	3/4	67,241	3/4	82,950	3/4	98,658	3/4	114,367	3/4	130,075	3/4	145,780	3/4
6	6	20,654	6	36,232	6	51,860	6	67,568	6	83,277	6	98,985	6	114,694	6	130,402	6	146,108	6
1/4	1/4	20,975	1/4	36,557	1/4	52,187	1/4	67,896	1/4	83,604	1/4	99,313	1/4	115,021	1/4	130,730	1/4	146,435	1/4
1/2	1/2	21,296	1/2	36,881	1/2	52,514	1/2	68,223	1/2	83,931	1/2	99,640	1/2	115,348	1/2	131,057	1/2	146,762	1/2
3/4	3/4	21,617	3/4	37,206	3/4	52,842	3/4	68,550	3/4	84,259	3/4	99,967	3/4	115,676	3/4	131,384	3/4	147,089	3/4
7	7	21,939	7	37,530	7	53,169	7	68,877	7	84,586	7	100,294	7	116,003	7	131,711	7	147,416	7
1/4	1/4	22,256	1/4	37,855	1/4	53,496	1/4	69,205	1/4	84,913	1/4	100,622	1/4	116,330	1/4	132,039	1/4	147,744	1/4
1/2	1/2	22,573	1/2	38,179	1/2	53,823	1/2	69,532	1/2	85,240	1/2	100,949	1/2	116,657	1/2	132,366	1/2	148,071	1/2
3/4	3/4	22,890	3/4	38,504	3/4	54,151	3/4	69,859	3/4	85,568	3/4	101,276	3/4	116,985	3/4	132,693	3/4	148,398	3/4
8	8	23,207	8	38,828	8	54,478	8	70,186	8	85,895	8	101,603	8	117,312	8	133,020	8	148,725	8
1/4	1/4	23,526	1/4	39,153	1/4	54,805	1/4	70,514	1/4	86,222	1/4	101,931	1/4	117,639	1/4	133,347	1/4	149,052	1/4
1/2	1/2	23,844	1/2	39,477	1/2	55,132	1/2	70,841	1/2	86,549	1/2	102,258	1/2	117,967	1/2	133,675	1/2	149,379	1/2
3/4	3/4	24,162	3/4	39,802	3/4	55,460	3/4	71,168	3/4	86,877	3/4	102,585	3/4	118,294	3/4	134,002	3/4	149,707	3/4
9	9	24,481	9	40,126	9	55,787	9	71,495	9	87,204	9	102,913	9	118,621	9	134,329	9	150,034	9
1/4	1/4	24,807	1/4	40,451	1/4	56,114	1/4	71,823	1/4	87,531	1/4	103,240	1/4	118,948	1/4	134,656	1/4	150,361	1/4
1/2	1/2	25,133	1/2	40,776	1/2	56,441	1/2	72,150	1/2	87,859	1/2	103,567	1/2	119,276	1/2	134,983	1/2	150,688	1/2
3/4	3/4	25,459	3/4	41,100	3/4	56,769	3/4	72,477	3/4	88,186	3/4	103,894	3/4	119,603	3/4	135,311	3/4	151,015	3/4
10	10	25,786	10	41,425	10	57,096	10	72,804	10	88,513	10	104,222	10	119,930	10	135,638	10	151,343	10
1/4	1/4	26,113	1/4	41,749	1/4	57,423	1/4	73,132	1/4	88,840	1/4	104,549	1/4	120,257	1/4	135,965	1/4	151,670	1/4
1/2	1/2	26,440	1/2	42,074	1/2	57,750	1/2	73,459	1/2	89,168	1/2	104,876	1/2	120,585	1/2	136,292	1/2	151,997	1/2
3/4	3/4	26,767	3/4	42,398	3/4	58,078	3/4	73,786	3/4	89,495	3/4	105,203	3/4	120,912	3/4	136,619	3/4	152,324	3/4
11	11	27,095	11	42,723	11	58,405	11	74,114	11	89,822	11	105,531	11	121,239	11	136,946	11	152,651	11
1/4	1/4	27,422	1/4	43,047	1/4	58,732	1/4	74,441	1/4	90,149	1/4	105,858	1/4	121,566	1/4	137,274	1/4	152,978	1/4
1/2	1/2	27,749	1/2	43,372	1/2	59,060	1/2	74,768	1/2	90,477	1/2	106,185	1/2	121,894	1/2	137,601	1/2	153,306	1/2
3/4	3/4	28,076	3/4	43,696	3/4	59,387	3/4	75,095	3/4	90,804	3/4	106,512	3/4	122,221	3/4	137,928	3/4	153,633	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 THREADS ON "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED 11'-00" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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[Signature]



BARGE JBC 314"

1 POR. INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	N	IN	N	IN	N	IN	N	IN	N	IN	N	IN	N	IN	N	IN	N	IN	N
0	153,960	0	169,665	0	185,298	0	200,915	0	216,444	0	231,971	0	247,499	0	263,027	0	278,555	0	294,083
1/4	154,287	1/4	169,992	1/4	185,623	1/4	201,240	1/4	216,767	1/4	232,294	1/4	247,821	1/4	263,348	1/4	278,875	1/4	294,402
1/2	154,614	1/2	170,319	1/2	185,948	1/2	201,565	1/2	217,071	1/2	232,597	1/2	248,103	1/2	263,630	1/2	279,156	1/2	294,689
3/4	154,942	3/4	170,646	3/4	186,274	3/4	201,891	3/4	217,384	3/4	232,920	3/4	248,390	3/4	263,916	3/4	279,412	3/4	294,961
1	155,269	1	170,974	1	186,599	1	202,216	1	217,698	1	233,246	1	248,696	1	264,144	1	279,639	1	295,188
1/4	155,596	1/4	171,301	1/4	186,924	1/4	202,541	1/4	218,023	1/4	233,571	1/4	249,019	1/4	264,471	1/4	280,000	1/4	295,410
1/2	155,923	1/2	171,628	1/2	187,250	1/2	202,867	1/2	218,344	1/2	233,896	1/2	249,346	1/2	264,796	1/2	280,321	1/2	295,731
3/4	156,250	3/4	171,955	3/4	187,575	3/4	203,192	3/4	218,669	3/4	234,220	3/4	249,671	3/4	265,117	3/4	280,642	3/4	296,052
2	156,577	2	172,282	2	187,900	2	203,518	2	218,990	2	234,546	2	250,000	2	265,443	2	280,963	2	296,373
1/4	156,905	1/4	172,608	1/4	188,226	1/4	203,843	1/4	219,311	1/4	234,871	1/4	250,321	1/4	265,764	1/4	281,284	1/4	296,694
1/2	157,232	1/2	172,933	1/2	188,551	1/2	204,168	1/2	219,629	1/2	235,196	1/2	250,642	1/2	266,085	1/2	281,605	1/2	297,015
3/4	157,559	3/4	173,259	3/4	188,876	3/4	204,494	3/4	219,949	3/4	235,521	3/4	250,963	3/4	266,406	3/4	281,926	3/4	297,336
3	157,886	3	173,585	3	189,202	3	204,819	3	219,669	3	235,846	3	251,284	3	266,727	3	282,247	3	297,657
1/4	158,213	1/4	173,910	1/4	189,527	1/4	205,144	1/4	219,984	1/4	236,169	1/4	251,605	1/4	267,048	1/4	282,568	1/4	297,978
1/2	158,541	1/2	174,235	1/2	189,853	1/2	205,470	1/2	220,304	1/2	236,494	1/2	251,926	1/2	267,369	1/2	282,889	1/2	298,299
3/4	158,868	3/4	174,561	3/4	190,178	3/4	205,795	3/4	220,625	3/4	236,819	3/4	252,247	3/4	267,690	3/4	283,210	3/4	298,620
4	159,195	4	174,886	4	190,503	4	206,120	4	220,946	4	237,144	4	252,568	4	268,011	4	283,531	4	298,941
1/4	159,522	1/4	175,211	1/4	190,829	1/4	206,446	1/4	221,267	1/4	237,469	1/4	252,889	1/4	268,332	1/4	283,852	1/4	299,262
1/2	159,849	1/2	175,537	1/2	191,154	1/2	206,771	1/2	221,588	1/2	237,794	1/2	253,210	1/2	268,653	1/2	284,173	1/2	299,583
3/4	160,176	3/4	175,862	3/4	191,479	3/4	207,097	3/4	221,909	3/4	238,119	3/4	253,531	3/4	268,974	3/4	284,494	3/4	299,904
5	160,504	5	176,187	5	191,805	5	207,422	5	222,230	5	238,444	5	253,852	5	269,295	5	284,815	5	300,225
1/4	160,831	1/4	176,513	1/4	192,130	1/4	207,747	1/4	222,551	1/4	238,769	1/4	254,173	1/4	269,616	1/4	285,136	1/4	300,546
1/2	161,158	1/2	176,838	1/2	192,455	1/2	208,073	1/2	222,872	1/2	239,094	1/2	254,494	1/2	269,937	1/2	285,457	1/2	300,867
3/4	161,485	3/4	177,164	3/4	192,781	3/4	208,398	3/4	223,193	3/4	239,419	3/4	254,815	3/4	270,258	3/4	285,778	3/4	301,188
6	161,812	6	177,489	6	193,106	6	208,723	6	223,514	6	239,744	6	255,136	6	270,579	6	286,099	6	301,509
1/4	162,140	1/4	177,814	1/4	193,431	1/4	209,049	1/4	223,835	1/4	240,069	1/4	255,457	1/4	270,900	1/4	286,420	1/4	301,830
1/2	162,467	1/2	178,140	1/2	193,757	1/2	209,374	1/2	224,156	1/2	240,390	1/2	255,778	1/2	271,221	1/2	286,741	1/2	302,151
3/4	162,794	3/4	178,465	3/4	194,082	3/4	209,699	3/4	224,477	3/4	240,711	3/4	256,099	3/4	271,542	3/4	287,062	3/4	302,472
7	163,121	7	178,790	7	194,408	7	210,025	7	224,798	7	241,032	7	256,420	7	271,863	7	287,383	7	302,793
1/4	163,448	1/4	179,116	1/4	194,733	1/4	210,347	1/4	225,119	1/4	241,353	1/4	256,741	1/4	272,184	1/4	287,704	1/4	303,114
1/2	163,775	1/2	179,441	1/2	195,058	1/2	210,669	1/2	225,440	1/2	241,674	1/2	257,062	1/2	272,505	1/2	288,025	1/2	303,435
3/4	164,103	3/4	179,766	3/4	195,384	3/4	210,992	3/4	225,761	3/4	241,995	3/4	257,383	3/4	272,826	3/4	288,346	3/4	303,756
8	164,430	8	180,092	8	195,709	8	211,314	8	226,082	8	242,316	8	257,704	8	273,147	8	288,667	8	304,077
1/4	164,757	1/4	180,417	1/4	196,034	1/4	211,635	1/4	226,403	1/4	242,637	1/4	258,025	1/4	273,468	1/4	288,988	1/4	304,398
1/2	165,084	1/2	180,742	1/2	196,360	1/2	211,957	1/2	226,724	1/2	242,958	1/2	258,346	1/2	273,789	1/2	289,309	1/2	304,719
3/4	165,411	3/4	181,068	3/4	196,685	3/4	212,279	3/4	227,045	3/4	243,279	3/4	258,667	3/4	274,110	3/4	289,630	3/4	305,040
9	165,739	9	181,393	9	197,010	9	212,600	9	227,366	9	243,600	9	258,988	9	274,431	9	289,951	9	305,361
1/4	166,066	1/4	181,719	1/4	197,336	1/4	212,922	1/4	227,687	1/4	243,921	1/4	259,309	1/4	274,752	1/4	290,272	1/4	305,682
1/2	166,393	1/2	182,044	1/2	197,661	1/2	213,243	1/2	228,008	1/2	244,242	1/2	259,630	1/2	275,073	1/2	290,593	1/2	306,003
3/4	166,720	3/4	182,369	3/4	197,986	3/4	213,564	3/4	228,329	3/4	244,563	3/4	260,000	3/4	275,394	3/4	290,914	3/4	306,324
10	167,047	10	182,695	10	198,312	10	213,885	10	228,650	10	244,884	10	260,321	10	275,715	10	291,235	10	306,645
1/4	167,375	1/4	183,020	1/4	198,637	1/4	214,206	1/4	228,971	1/4	245,205	1/4	260,642	1/4	276,036	1/4	291,556	1/4	306,966
1/2	167,702	1/2	183,345	1/2	198,963	1/2	214,526	1/2	229,292	1/2	245,526	1/2	260,963	1/2	276,357	1/2	291,877	1/2	307,287
3/4	168,029	3/4	183,670	3/4	199,288	3/4	214,847	3/4	229,613	3/4	245,847	3/4	261,284	3/4	276,678	3/4	292,198	3/4	307,608
11	168,356	11	183,996	11	199,613	11	215,167	11	229,934	11	246,168	11	261,605	11	276,999	11	292,519	11	307,929
1/4	168,683	1/4	184,321	1/4	199,939	1/4	215,488	1/4	230,255	1/4	246,489	1/4	261,926	1/4	277,320	1/4	292,840	1/4	308,250
1/2	169,010	1/2	184,647	1/2	200,264	1/2	215,806	1/2	230,576	1/2	246,810	1/2	262,247	1/2	277,641	1/2	293,161	1/2	308,571
3/4	169,338	3/4	184,972	3/4	200,589	3/4	216,125	3/4	230,897	3/4	247,131	3/4	262,568	3/4	277,962	3/4	293,482	3/4	308,892

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/26/2013 CL
CALCULATED: 02/26/2013 CL
PRINTED: 02/26/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

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

Joe J. Blum



BARGE JBC 314"

1 STBL

INNAGE 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.		
N	I	F	N	I	F	N	I	F	N	I	F	N	I	F	N	I	F	N	I	F	N	I	F	N	I	F	N	I	F
0	584	0	13,228	0	28,403	0	44,073	0	59,775	0	75,484	0	91,192	0	106,901	0	122,609	0	138,316	0	154,024	0	169,732	0	185,440	0	201,148	0	216,856
1/4	719	1/4	13,629	1/4	28,731	1/4	44,399	1/4	60,102	1/4	75,811	1/4	91,519	1/4	107,228	1/4	122,936	1/4	138,643	1/4	154,351	1/4	170,059	1/4	185,767	1/4	201,475	1/4	217,183
1/2	854	1/2	13,830	1/2	29,058	1/2	44,726	1/2	60,430	1/2	76,138	1/2	91,847	1/2	107,555	1/2	123,264	1/2	138,971	1/2	154,679	1/2	170,387	1/2	186,095	1/2	201,803	1/2	217,511
3/4	989	3/4	14,131	3/4	29,385	3/4	45,052	3/4	60,757	3/4	76,465	3/4	92,174	3/4	107,882	3/4	123,591	3/4	139,298	3/4	155,006	3/4	170,714	3/4	186,422	3/4	202,130	3/4	217,838
1	1,123	1	14,432	1	29,712	1	45,379	1	61,084	1	76,793	1	92,501	1	108,210	1	123,918	1	139,625	1	155,333	1	171,041	1	186,749	1	202,457	1	218,165
1/4	1,336	1/4	14,736	1/4	30,039	1/4	45,706	1/4	61,411	1/4	77,120	1/4	92,828	1/4	108,537	1/4	124,245	1/4	139,952	1/4	155,659	1/4	171,367	1/4	187,075	1/4	202,783	1/4	218,491
1/2	1,548	1/2	15,040	1/2	30,366	1/2	46,033	1/2	61,739	1/2	77,447	1/2	93,156	1/2	108,864	1/2	124,573	1/2	140,279	1/2	155,987	1/2	171,695	1/2	187,403	1/2	203,111	1/2	218,819
3/4	1,760	3/4	15,345	3/4	30,693	3/4	46,359	3/4	62,066	3/4	77,774	3/4	93,483	3/4	109,191	3/4	124,900	3/4	140,606	3/4	156,314	3/4	172,022	3/4	187,730	3/4	203,438	3/4	219,146
2	1,972	2	15,649	2	31,020	2	46,686	2	62,393	2	78,102	2	93,810	2	109,519	2	125,227	2	140,934	2	156,642	2	172,350	2	188,058	2	203,766	2	219,474
1/4	2,233	1/4	15,957	1/4	31,346	1/4	47,013	1/4	62,720	1/4	78,429	1/4	94,137	1/4	109,846	1/4	125,554	1/4	141,261	1/4	156,969	1/4	172,677	1/4	188,385	1/4	204,093	1/4	219,801
1/2	2,493	1/2	16,264	1/2	31,673	1/2	47,340	1/2	63,048	1/2	78,756	1/2	94,465	1/2	110,173	1/2	125,882	1/2	141,588	1/2	157,303	1/2	173,011	1/2	188,719	1/2	204,427	1/2	220,135
3/4	2,753	3/4	16,572	3/4	32,000	3/4	47,667	3/4	63,375	3/4	79,083	3/4	94,792	3/4	110,500	3/4	126,209	3/4	141,915	3/4	157,619	3/4	173,327	3/4	189,035	3/4	204,741	3/4	220,449
3	3,013	3	16,880	3	32,327	3	47,994	3	63,702	3	79,411	3	95,119	3	110,828	3	126,536	3	142,242	3	157,948	3	173,656	3	189,364	3	205,072	3	220,757
1/4	3,283	1/4	17,191	1/4	32,654	1/4	48,321	1/4	64,029	1/4	79,738	1/4	95,446	1/4	111,155	1/4	126,864	1/4	142,570	1/4	158,276	1/4	173,984	1/4	189,692	1/4	205,390	1/4	221,065
1/2	3,553	1/2	17,502	1/2	32,980	1/2	48,648	1/2	64,357	1/2	80,065	1/2	95,774	1/2	111,482	1/2	127,191	1/2	142,897	1/2	158,603	1/2	174,311	1/2	189,919	1/2	205,707	1/2	221,373
3/4	3,822	3/4	17,813	3/4	33,307	3/4	48,975	3/4	64,684	3/4	80,392	3/4	96,101	3/4	111,810	3/4	127,518	3/4	143,224	3/4	158,929	3/4	174,627	3/4	190,013	3/4	205,921	3/4	221,685
4	4,092	4	18,124	4	33,634	4	49,303	4	65,011	4	80,720	4	96,428	4	112,137	4	127,845	4	143,551	4	159,257	4	174,965	4	190,673	4	206,381	4	221,993
1/4	4,365	1/4	18,438	1/4	33,961	1/4	49,630	1/4	65,338	1/4	81,047	1/4	96,756	1/4	112,464	1/4	128,173	1/4	143,878	1/4	159,586	1/4	175,294	1/4	191,002	1/4	206,695	1/4	222,301
1/2	4,639	1/2	18,753	1/2	34,287	1/2	49,957	1/2	65,666	1/2	81,374	1/2	97,083	1/2	112,791	1/2	128,500	1/2	144,205	1/2	159,913	1/2	175,601	1/2	191,309	1/2	207,017	1/2	222,609
3/4	4,912	3/4	19,067	3/4	34,614	3/4	50,284	3/4	65,993	3/4	81,702	3/4	97,410	3/4	113,119	3/4	128,827	3/4	144,533	3/4	160,241	3/4	175,949	3/4	191,657	3/4	207,321	3/4	222,917
5	5,186	5	19,382	5	34,941	5	50,612	5	66,320	5	82,029	5	97,737	5	113,446	5	129,154	5	144,860	5	160,568	5	176,276	5	191,984	5	207,692	5	223,225
1/4	5,463	1/4	19,700	1/4	35,267	1/4	50,939	1/4	66,647	1/4	82,356	1/4	98,065	1/4	113,773	1/4	129,482	1/4	145,187	1/4	160,895	1/4	176,603	1/4	192,311	1/4	208,019	1/4	223,533
1/2	5,740	1/2	20,018	1/2	35,593	1/2	51,266	1/2	66,975	1/2	82,683	1/2	98,392	1/2	114,100	1/2	129,809	1/2	145,514	1/2	161,222	1/2	176,929	1/2	192,637	1/2	208,345	1/2	223,845
3/4	6,017	3/4	20,335	3/4	35,919	3/4	51,593	3/4	67,302	3/4	83,011	3/4	98,719	3/4	114,428	3/4	130,136	3/4	145,841	3/4	161,535	3/4	177,243	3/4	192,951	3/4	208,659	3/4	224,153
6	6,294	6	20,653	6	36,246	6	51,921	6	67,629	6	83,338	6	99,046	6	114,755	6	130,463	6	146,169	6	161,877	6	177,585	6	193,293	6	209,001	6	224,461
1/4	6,574	1/4	20,975	1/4	36,572	1/4	52,248	1/4	67,957	1/4	83,665	1/4	99,374	1/4	115,082	1/4	130,791	1/4	146,486	1/4	162,194	1/4	177,902	1/4	193,610	1/4	209,318	1/4	224,769
1/2	6,855	1/2	21,296	1/2	36,898	1/2	52,575	1/2	68,284	1/2	83,992	1/2	99,701	1/2	115,409	1/2	131,118	1/2	146,823	1/2	162,507	1/2	178,215	1/2	193,923	1/2	209,631	1/2	225,079
3/4	7,135	3/4	21,617	3/4	37,224	3/4	52,903	3/4	68,611	3/4	84,320	3/4	100,028	3/4	115,737	3/4	131,445	3/4	147,150	3/4	162,814	3/4	178,522	3/4	194,230	3/4	209,938	3/4	225,387
7	7,416	7	21,938	7	37,550	7	53,230	7	68,938	7	84,647	7	100,355	7	116,064	7	131,772	7	147,477	7	163,185	7	178,893	7	194,601	7	210,349	7	225,695
1/4	7,699	1/4	22,256	1/4	37,876	1/4	53,557	1/4	69,266	1/4	84,974	1/4	100,683	1/4	116,391	1/4	132,100	1/4	147,804	1/4	163,512	1/4	179,220	1/4	194,928	1/4	210,656	1/4	226,003
1/2	7,983	1/2	22,573	1/2	38,202	1/2	53,884	1/2	69,593	1/2	85,301	1/2	101,010	1/2	116,718	1/2	132,427	1/2	148,132	1/2	163,829	1/2	179,537	1/2	195,245	1/2	210,964	1/2	226,311
3/4	8,267	3/4	22,890	3/4	38,528	3/4	54,212	3/4	69,920	3/4	85,629	3/4	101,337	3/4	117,046	3/4	132,754	3/4	148,459	3/4	164,146	3/4	179,844	3/4	195,552	3/4	211,271	3/4	226,618
8	8,551	8	23,207	8	38,854	8	54,539	8	70,247	8	85,956	8	101,664	8	117,373	8	133,081	8	148,786	8	164,494	8	180,202	8	195,910	8	211,578	8	226,925
1/4	8,838	1/4	23,525	1/4	39,180	1/4	54,866	1/4	70,575	1/4	86,283	1/4	101,992	1/4	117,700	1/4	133,408	1/4	149,113	1/4	164,801	1/4	180,509	1/4	196,217	1/4	211,885	1/4	227,233
1/2	9,125	1/2	23,844	1/2	39,506	1/2	55,193	1/2	70,902	1/2	86,610	1/2	102,319	1/2	118,027	1/2	133,736	1/2	149,440	1/2	165,104	1/2	180,812	1/2	196,520	1/2	212,192	1/2	227,540
3/4	9,413	3/4	24,162	3/4	39,832	3/4	55,521	3/4	71,229	3/4	86,938	3/4	102,646	3/4	118,355	3/4	134,063	3/4	149,768	3/4	165,419	3/4	181,118						



BARGE CBC 314"

1 STBL

INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS												GAUGE HEIGHT 16'-04 3/4"																	
10 FT.			11 FT.			12 FT.			13 FT.			14 FT.			15 FT.			16 FT.			17 FT.			18 FT.			19 FT.		
IN			IN			IN			IN			IN			IN			IN			IN			IN			IN		
0	154,021	0	169,726	0	185,358	0	200,976	0	216,505	0	232,034	0	247,563	0	263,092	0	278,621	0	294,150	0	309,679	0	325,208	0	340,737	0	356,266	0	371,795
1/4	154,348	1/4	170,053	1/4	185,684	1/4	201,301	1/4	216,818	1/4	232,347	1/4	247,876	1/4	263,405	1/4	278,934	1/4	294,463	1/4	310,000	1/4	325,529	1/4	341,058	1/4	356,587	1/4	372,116
1/2	154,675	1/2	170,380	1/2	186,009	1/2	201,626	1/2	217,132	1/2	232,638	1/2	248,144	1/2	263,650	1/2	279,156	1/2	294,662	1/2	310,174	1/2	325,680	1/2	341,186	1/2	356,699	1/2	372,214
3/4	155,003	3/4	170,707	3/4	186,335	3/4	201,952	3/4	217,445	3/4	232,937	3/4	248,433	3/4	263,929	3/4	279,425	3/4	294,921	3/4	310,417	3/4	325,916	3/4	341,412	3/4	356,907	3/4	372,342
1	155,330	1	171,034	1	186,660	1	202,277	1	217,759	1	233,241	1	248,723	1	264,205	1	279,687	1	295,169	1	310,651	1	326,133	1	341,615	1	357,097	1	372,569
1/4	155,657	1/4	171,362	1/4	186,985	1/4	202,602	1/4	218,032	1/4	233,468	1/4	248,949	1/4	264,430	1/4	279,891	1/4	295,353	1/4	310,815	1/4	326,287	1/4	341,749	1/4	357,229	1/4	373,000
1/2	155,984	1/2	171,689	1/2	187,311	1/2	202,928	1/2	218,305	1/2	233,795	1/2	249,276	1/2	264,757	1/2	280,219	1/2	295,681	1/2	311,135	1/2	326,603	1/2	342,071	1/2	357,556	1/2	373,317
3/4	156,311	3/4	172,016	3/4	187,636	3/4	203,253	3/4	218,578	3/4	234,122	3/4	249,603	3/4	265,078	3/4	280,541	3/4	296,005	3/4	311,461	3/4	326,928	3/4	342,394	3/4	357,883	3/4	373,634
2	156,638	2	172,343	2	187,961	2	203,579	2	218,851	2	234,445	2	249,876	2	265,350	2	280,813	2	296,282	2	311,784	2	327,250	2	342,717	2	358,200	2	373,951
1/4	156,966	1/4	172,669	1/4	188,287	1/4	203,904	1/4	219,071	1/4	234,771	1/4	250,142	1/4	265,661	1/4	281,129	1/4	296,609	1/4	312,100	1/4	327,571	1/4	343,040	1/4	358,527	1/4	374,205
1/2	157,293	1/2	172,994	1/2	188,612	1/2	204,229	1/2	219,290	1/2	235,096	1/2	250,453	1/2	265,972	1/2	281,456	1/2	296,912	1/2	312,413	1/2	327,883	1/2	343,362	1/2	358,849	1/2	374,532
3/4	157,620	3/4	173,320	3/4	188,937	3/4	204,555	3/4	219,510	3/4	235,421	3/4	250,778	3/4	266,299	3/4	281,779	3/4	297,239	3/4	312,735	3/4	328,195	3/4	343,684	3/4	359,171	3/4	374,860
3	157,947	3	173,646	3	189,263	3	204,880	3	219,730	3	235,746	3	251,103	3	266,626	3	282,100	3	297,566	3	313,051	3	328,517	3	344,006	3	359,497	3	375,187
1/4	158,274	1/4	173,971	1/4	189,588	1/4	205,205	1/4	219,955	1/4	236,028	1/4	251,428	1/4	266,951	1/4	282,421	1/4	297,891	1/4	313,367	1/4	328,833	1/4	344,328	1/4	359,819	1/4	375,513
1/2	158,602	1/2	174,296	1/2	189,913	1/2	205,531	1/2	220,060	1/2	236,353	1/2	251,751	1/2	267,274	1/2	282,744	1/2	298,212	1/2	313,683	1/2	329,149	1/2	344,650	1/2	360,145	1/2	375,840
3/4	158,929	3/4	174,622	3/4	190,239	3/4	205,856	3/4	220,385	3/4	236,679	3/4	252,079	3/4	267,596	3/4	283,069	3/4	298,538	3/4	314,000	3/4	329,471	3/4	344,972	3/4	360,471	3/4	376,167
4	159,256	4	174,947	4	190,564	4	206,181	4	220,710	4	237,000	4	252,399	4	267,913	4	283,390	4	298,857	4	314,317	4	329,793	4	345,294	4	360,793	4	376,494
1/4	159,583	1/4	175,272	1/4	190,890	1/4	206,507	1/4	221,035	1/4	237,325	1/4	252,726	1/4	268,236	1/4	283,717	1/4	299,184	1/4	314,634	1/4	330,115	1/4	345,616	1/4	361,115	1/4	376,821
1/2	159,910	1/2	175,598	1/2	191,215	1/2	206,832	1/2	221,360	1/2	237,650	1/2	253,051	1/2	268,561	1/2	284,048	1/2	299,511	1/2	314,951	1/2	330,437	1/2	345,938	1/2	361,437	1/2	377,148
3/4	160,237	3/4	175,923	3/4	191,540	3/4	207,157	3/4	221,685	3/4	237,975	3/4	253,376	3/4	268,882	3/4	284,369	3/4	299,840	3/4	315,268	3/4	330,759	3/4	346,260	3/4	361,758	3/4	377,475
5	160,565	5	176,248	5	191,866	5	207,483	5	222,010	5	238,300	5	253,697	5	269,199	5	284,696	5	300,169	5	315,585	5	331,087	5	346,582	5	362,079	5	377,802
1/4	160,892	1/4	176,574	1/4	192,191	1/4	207,808	1/4	222,335	1/4	238,625	1/4	254,024	1/4	269,526	1/4	285,023	1/4	300,498	1/4	315,902	1/4	331,409	1/4	346,904	1/4	362,400	1/4	378,129
1/2	161,219	1/2	176,899	1/2	192,516	1/2	208,134	1/2	222,660	1/2	238,950	1/2	254,351	1/2	269,851	1/2	285,354	1/2	300,821	1/2	316,223	1/2	331,731	1/2	347,226	1/2	362,721	1/2	378,456
3/4	161,546	3/4	177,224	3/4	192,842	3/4	208,459	3/4	222,985	3/4	239,275	3/4	254,676	3/4	269,977	3/4	285,677	3/4	301,142	3/4	316,544	3/4	332,057	3/4	347,548	3/4	363,041	3/4	378,783
6	161,873	6	177,550	6	193,167	6	208,784	6	223,310	6	239,600	6	255,003	6	270,499	6	285,996	6	301,469	6	316,861	6	332,379	6	347,870	6	363,363	6	379,110
1/4	162,201	1/4	177,875	1/4	193,492	1/4	209,110	1/4	223,635	1/4	239,925	1/4	255,328	1/4	270,826	1/4	286,299	1/4	301,791	1/4	317,183	1/4	332,697	1/4	348,192	1/4	363,685	1/4	379,437
1/2	162,528	1/2	178,201	1/2	193,818	1/2	209,435	1/2	223,960	1/2	240,250	1/2	255,651	1/2	271,151	1/2	286,620	1/2	302,112	1/2	317,504	1/2	333,019	1/2	348,514	1/2	364,007	1/2	379,764
3/4	162,855	3/4	178,526	3/4	194,143	3/4	209,760	3/4	224,285	3/4	240,575	3/4	255,972	3/4	271,476	3/4	286,949	3/4	302,433										



BARGE JBC 314"

2 PORT
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	N	IN	N	IN	N	IN	N	IN	N	IN	N	IN	N	IN	N	IN	N	IN	N
0	593	0	15,004	0	30,163	0	45,122	0	60,192	0	75,341	0	90,491	0	105,640	0	120,790	0	135,938
1/4	780	1/4	15,319	1/4	30,488	1/4	45,431	1/4	60,507	1/4	75,657	1/4	90,806	1/4	105,956	1/4	121,105	1/4	136,253
1/2	967	1/2	15,635	1/2	30,784	1/2	45,740	1/2	60,823	1/2	75,973	1/2	91,122	1/2	106,271	1/2	121,421	1/2	136,569
3/4	1,155	3/4	15,950	3/4	31,099	3/4	46,049	3/4	61,139	3/4	76,288	3/4	91,438	3/4	106,587	3/4	121,736	3/4	136,884
1	1,342	1	16,266	1	31,415	1	46,358	1	61,454	1	76,604	1	91,753	1	106,903	1	122,052	1	137,200
1/4	1,608	1/4	16,582	1/4	31,731	1/4	46,667	1/4	61,770	1/4	76,919	1/4	92,069	1/4	107,218	1/4	122,368	1/4	137,515
1/2	1,875	1/2	16,897	1/2	32,046	1/2	46,977	1/2	62,086	1/2	77,235	1/2	92,384	1/2	107,534	1/2	122,683	1/2	137,831
3/4	2,141	3/4	17,213	3/4	32,362	3/4	47,286	3/4	62,401	3/4	77,551	3/4	92,700	3/4	107,849	3/4	122,999	3/4	138,146
2	2,407	2	17,528	2	32,677	2	47,595	2	62,717	2	77,866	2	93,016	2	108,165	2	123,315	2	138,462
1/4	2,717	1/4	17,844	1/4	32,993	1/4	47,905	1/4	63,032	1/4	78,182	1/4	93,331	1/4	108,481	1/4	123,630	1/4	138,777
1/2	3,026	1/2	18,160	1/2	33,309	1/2	48,214	1/2	63,348	1/2	78,497	1/2	93,647	1/2	108,796	1/2	123,946	1/2	139,093
3/4	3,335	3/4	18,475	3/4	33,624	3/4	48,523	3/4	63,664	3/4	78,813	3/4	93,962	3/4	109,112	3/4	124,261	3/4	139,408
3	3,645	3	18,791	3	33,940	3	48,833	3	63,979	3	79,129	3	94,278	3	109,428	3	124,577	3	139,724
1/4	3,960	1/4	19,106	1/4	34,255	1/4	49,148	1/4	64,295	1/4	79,444	1/4	94,594	1/4	109,743	1/4	124,893	1/4	140,040
1/2	4,275	1/2	19,422	1/2	34,571	1/2	49,463	1/2	64,610	1/2	79,760	1/2	94,909	1/2	110,059	1/2	125,208	1/2	140,355
3/4	4,590	3/4	19,738	3/4	34,887	3/4	49,777	3/4	64,926	3/4	80,075	3/4	95,225	3/4	110,374	3/4	125,524	3/4	140,671
4	4,905	4	20,053	4	35,202	4	50,092	4	65,242	4	80,391	4	95,541	4	110,690	4	125,839	4	140,986
1/4	5,220	1/4	20,369	1/4	35,518	1/4	50,408	1/4	65,557	1/4	80,707	1/4	95,856	1/4	111,006	1/4	126,155	1/4	141,302
1/2	5,536	1/2	20,684	1/2	35,833	1/2	50,723	1/2	65,873	1/2	81,022	1/2	96,172	1/2	111,321	1/2	126,471	1/2	141,617
3/4	5,851	3/4	21,000	3/4	36,149	3/4	51,039	3/4	66,188	3/4	81,338	3/4	96,487	3/4	111,637	3/4	126,786	3/4	141,933
5	6,167	5	21,316	5	36,465	5	51,355	5	66,504	5	81,654	5	96,803	5	111,952	5	127,102	5	142,248
1/4	6,482	1/4	21,631	1/4	36,775	1/4	51,670	1/4	66,820	1/4	81,969	1/4	97,119	1/4	112,268	1/4	127,417	1/4	142,564
1/2	6,798	1/2	21,947	1/2	37,084	1/2	51,986	1/2	67,135	1/2	82,285	1/2	97,434	1/2	112,584	1/2	127,733	1/2	142,879
3/4	7,114	3/4	22,263	3/4	37,394	3/4	52,302	3/4	67,451	3/4	82,600	3/4	97,750	3/4	112,899	3/4	128,049	3/4	143,195
6	7,429	6	22,578	6	37,704	6	52,617	6	67,767	6	82,916	6	98,055	6	113,215	6	128,364	6	143,510
1/4	7,745	1/4	22,894	1/4	38,013	1/4	52,933	1/4	68,082	1/4	83,232	1/4	98,381	1/4	113,531	1/4	128,680	1/4	143,826
1/2	8,060	1/2	23,209	1/2	38,322	1/2	53,248	1/2	68,398	1/2	83,547	1/2	98,697	1/2	113,846	1/2	128,996	1/2	144,141
3/4	8,376	3/4	23,525	3/4	38,631	3/4	53,564	3/4	68,713	3/4	83,863	3/4	99,012	3/4	114,162	3/4	129,311	3/4	144,457
7	8,692	7	23,841	7	38,940	7	53,880	7	69,029	7	84,178	7	99,328	7	114,477	7	129,627	7	144,773
1/4	9,007	1/4	24,156	1/4	39,250	1/4	54,195	1/4	69,345	1/4	84,494	1/4	99,644	1/4	114,793	1/4	129,942	1/4	145,088
1/2	9,323	1/2	24,472	1/2	39,559	1/2	54,511	1/2	69,660	1/2	84,810	1/2	99,959	1/2	115,109	1/2	130,258	1/2	145,404
3/4	9,638	3/4	24,787	3/4	39,868	3/4	54,826	3/4	69,976	3/4	85,125	3/4	100,275	3/4	115,424	3/4	130,573	3/4	145,719
8	9,954	8	25,103	8	40,177	8	55,142	8	70,291	8	85,441	8	100,590	8	115,740	8	130,889	8	146,035
1/4	10,270	1/4	25,419	1/4	40,486	1/4	55,458	1/4	70,607	1/4	85,757	1/4	100,906	1/4	116,055	1/4	131,205	1/4	146,350
1/2	10,585	1/2	25,734	1/2	40,795	1/2	55,773	1/2	70,923	1/2	86,072	1/2	101,222	1/2	116,371	1/2	131,520	1/2	146,666
3/4	10,901	3/4	26,050	3/4	41,104	3/4	56,089	3/4	71,238	3/4	86,388	3/4	101,537	3/4	116,687	3/4	131,836	3/4	146,981
9	11,216	9	26,365	9	41,413	9	56,404	9	71,554	9	86,703	9	101,853	9	117,002	9	132,151	9	147,297
1/4	11,532	1/4	26,681	1/4	41,722	1/4	56,720	1/4	71,870	1/4	87,019	1/4	102,168	1/4	117,318	1/4	132,467	1/4	147,612
1/2	11,848	1/2	26,997	1/2	42,031	1/2	57,036	1/2	72,185	1/2	87,335	1/2	102,484	1/2	117,633	1/2	132,782	1/2	147,928
3/4	12,163	3/4	27,312	3/4	42,340	3/4	57,351	3/4	72,501	3/4	87,650	3/4	102,800	3/4	117,949	3/4	133,098	3/4	148,243
10	12,479	10	27,628	10	42,649	10	57,667	10	72,816	10	87,966	10	103,115	10	118,265	10	133,413	10	148,559
1/4	12,794	1/4	27,943	1/4	42,958	1/4	57,983	1/4	73,132	1/4	88,281	1/4	103,431	1/4	118,580	1/4	133,729	1/4	148,874
1/2	13,110	1/2	28,259	1/2	43,267	1/2	58,298	1/2	73,448	1/2	88,597	1/2	103,746	1/2	118,896	1/2	134,044	1/2	149,190
3/4	13,426	3/4	28,575	3/4	43,576	3/4	58,614	3/4	73,763	3/4	88,913	3/4	104,062	3/4	119,212	3/4	134,360	3/4	149,506
11	13,741	11	28,890	11	43,885	11	58,929	11	74,079	11	89,228	11	104,378	11	119,527	11	134,675	11	149,821
1/4	14,057	1/4	29,206	1/4	44,194	1/4	59,245	1/4	74,394	1/4	89,544	1/4	104,693	1/4	119,843	1/4	134,991	1/4	150,137
1/2	14,372	1/2	29,521	1/2	44,503	1/2	59,561	1/2	74,710	1/2	89,860	1/2	105,009	1/2	120,158	1/2	135,306	1/2	150,452
3/4	14,688	3/4	29,837	3/4	44,813	3/4	59,876	3/4	75,026	3/4	90,175	3/4	105,325	3/4	120,474	3/4	135,622	3/4	150,768

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 JBC 314"

2 POR.

INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 1/2"

	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.
0	151,083	0	181,303	0	211,332	0	0	0	0	0
1/4	151,399	1/4	181,616	1/4	211,634	1/4	1/4	1/4	1/4	1/4
1/2	151,714	1/2	181,930	1/2	211,936	1/2	1/2	1/2	1/2	1/2
3/4	152,030	3/4	182,244	3/4	212,238	3/4	3/4	3/4	3/4	3/4
1	152,345	1	182,557	1	212,540	1	1	1	1	1
1/4	152,661	1/4	182,871	1/4	212,803	1/4	1/4	1/4	1/4	1/4
1/2	152,976	1/2	183,185	1/2	213,067	1/2	1/2	1/2	1/2	1/2
3/4	153,292	3/4	183,499	3/4	213,330	3/4	3/4	3/4	3/4	3/4
2	153,608	2	183,812	2	213,593	2	2	2	2	2
1/4	153,923	1/4	184,126	1/4	213,805	1/4	1/4	1/4	1/4	1/4
1/2	154,239	1/2	184,440	1/2	214,016	1/2	1/2	1/2	1/2	1/2
3/4	154,554	3/4	184,753	3/4	214,228	3/4	3/4	3/4	3/4	3/4
3	154,870	3	185,067	3	214,440	3	3	3	3	3
1/4	155,185	1/4	185,381	1/4	214,599	1/4	1/4	1/4	1/4	1/4
1/2	155,501	1/2	185,695	1/2	214,758	1/2	1/2	1/2	1/2	1/2
3/4	155,816	3/4	186,008	3/4	214,917	3/4	3/4	3/4	3/4	3/4
4	156,132	4	186,322	4	215,076	4	4	4	4	4
1/4	156,447	1/4	186,636	1/4	215,235	1/4	1/4	1/4	1/4	1/4
1/2	156,763	1/2	186,949	1/2	215,394	1/2	1/2	1/2	1/2	1/2
3/4	157,078	3/4	187,263	3/4	215,553	3/4	3/4	3/4	3/4	3/4
5	157,394	5	187,577	5	215,712	5	5	5	5	5
1/4	157,709	1/4	187,891	1/4	215,871	1/4	1/4	1/4	1/4	1/4
1/2	158,025	1/2	188,204	1/2	216,030	1/2	1/2	1/2	1/2	1/2
3/4	158,341	3/4	188,518	3/4	216,189	3/4	3/4	3/4	3/4	3/4
6	158,656	6	188,832	6	216,348	6	6	6	6	6
1/4	158,972	1/4	189,145	1/4	216,507	1/4	1/4	1/4	1/4	1/4
1/2	159,287	1/2	189,459	1/2	216,666	1/2	1/2	1/2	1/2	1/2
3/4	159,603	3/4	189,773	3/4	216,825	3/4	3/4	3/4	3/4	3/4
7	159,918	7	190,087	7	216,984	7	7	7	7	7
1/4	160,234	1/4	190,400	1/4	217,143	1/4	1/4	1/4	1/4	1/4
1/2	160,549	1/2	190,714	1/2	217,302	1/2	1/2	1/2	1/2	1/2
3/4	160,865	3/4	191,028	3/4	217,461	3/4	3/4	3/4	3/4	3/4
8	161,180	8	191,341	8	217,620	8	8	8	8	8
1/4	161,496	1/4	191,655	1/4	217,779	1/4	1/4	1/4	1/4	1/4
1/2	161,811	1/2	191,969	1/2	217,938	1/2	1/2	1/2	1/2	1/2
3/4	162,127	3/4	192,283	3/4	218,097	3/4	3/4	3/4	3/4	3/4
9	162,443	9	192,596	9	218,256	9	9	9	9	9
1/4	162,758	1/4	192,910	1/4	218,415	1/4	1/4	1/4	1/4	1/4
1/2	163,074	1/2	193,224	1/2	218,574	1/2	1/2	1/2	1/2	1/2
3/4	163,389	3/4	193,537	3/4	218,733	3/4	3/4	3/4	3/4	3/4
10	163,705	10	193,851	10	218,892	10	10	10	10	10
1/4	164,020	1/4	194,165	1/4	219,051	1/4	1/4	1/4	1/4	1/4
1/2	164,336	1/2	194,479	1/2	219,210	1/2	1/2	1/2	1/2	1/2
3/4	164,651	3/4	194,792	3/4	219,369	3/4	3/4	3/4	3/4	3/4
11	164,967	11	195,106	11	219,528	11	11	11	11	11
1/4	165,282	1/4	195,420	1/4	219,687	1/4	1/4	1/4	1/4	1/4
1/2	165,598	1/2	195,733	1/2	219,846	1/2	1/2	1/2	1/2	1/2
3/4	165,913	3/4	196,047	3/4	220,005	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/26/2013 CL
CALCULATED: 02/26/2013 CL
PRINTED: 02/26/2013 CL
CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

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

The PMA



BARGE CBC 314"

2 STBL

INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

	0 FT.			1 FT.			2 FT.			3 FT.			4 FT.			5 FT.			6 FT.			7 FT.			8 FT.			9 FT.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
IN	0	593	1/4	IN	0	15,011	1/4	IN	0	30,167	1/4	IN	0	45,038	1/4	IN	0	60,143	1/4	IN	0	75,300	1/4	IN	0	90,456	1/4	IN	0	105,613	1/4	IN	0	120,770	1/4	IN	0	135,926	1/4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1/4	780	1/4	15,327	1/4	30,483	1/4	45,346	1/4	60,458	1/4	75,615	1/4	90,772	1/4	105,929	1/4	121,086	1/4	136,241	1/4	151,396	1/4	166,552	1/4	181,709	1/4	196,865	1/4	212,022	1/4	227,179	1/4	242,336	1/4	257,493	1/4	272,650	1/4	287,807	1/4	302,964	1/4	318,121	1/4	333,278	1/4	348,435	1/4	363,592	1/4	378,749	1/4	393,906	1/4	409,063	1/4	424,220	1/4	439,377	1/4	454,534	1/4	469,691	1/4	484,848	1/4	500,005	1/4	515,162	1/4	530,319	1/4	545,476	1/4	560,633	1/4	575,790	1/4	590,947	1/4	606,104	1/4	621,261	1/4	636,418	1/4	651,575	1/4	666,732	1/4	681,889	1/4	697,046	1/4	712,203	1/4	727,360	1/4	742,517	1/4	757,674	1/4	772,831	1/4	787,988	1/4	803,145	1/4	818,302	1/4	833,459	1/4	848,616	1/4	863,773	1/4	878,930	1/4	894,087	1/4	909,244	1/4	924,401	1/4	939,558	1/4	954,715	1/4	969,872	1/4	985,029	1/4	1,000,186	1/4	1,015,343	1/4	1,030,500	1/4	1,045,657	1/4	1,060,814	1/4	1,075,971	1/4	1,091,128	1/4	1,106,285	1/4	1,121,442	1/4	1,136,599	1/4	1,151,756	1/4	1,166,913	1/4	1,182,070	1/4	1,197,227	1/4	1,212,384	1/4	1,227,541	1/4	1,242,698	1/4	1,257,855	1/4	1,273,012	1/4	1,288,169	1/4	1,303,326	1/4	1,318,483	1/4	1,333,640	1/4	1,348,797	1/4	1,363,954	1/4	1,379,111	1/4	1,394,268	1/4	1,409,425	1/4	1,424,582	1/4	1,439,739	1/4	1,454,896	1/4	1,470,053	1/4	1,485,210	1/4	1,500,367	1/4	1,515,524	1/4	1,530,681	1/4	1,545,838	1/4	1,560,995	1/4	1,576,152	1/4	1,591,309	1/4	1,606,466	1/4	1,621,623	1/4	1,636,780	1/4	1,651,937	1/4	1,667,094	1/4	1,682,251	1/4	1,697,408	1/4	1,712,565	1/4	1,727,722	1/4	1,742,879	1/4	1,758,036	1/4	1,773,193	1/4	1,788,350	1/4	1,803,507	1/4	1,818,664	1/4	1,833,821	1/4	1,848,978	1/4	1,864,135	1/4	1,879,292	1/4	1,894,449	1/4	1,909,606	1/4	1,924,763	1/4	1,939,920	1/4	1,955,077	1/4	1,970,234	1/4	1,985,391	1/4	2,000,548	1/4	2,015,705	1/4	2,030,862	1/4	2,046,019	1/4	2,061,176	1/4	2,076,333	1/4	2,091,490	1/4	2,106,647	1/4	2,121,804	1/4	2,136,961	1/4	2,152,118	1/4	2,167,275	1/4	2,182,432	1/4	2,197,589	1/4	2,212,746	1/4	2,227,903	1/4	2,243,060	1/4	2,258,217	1/4	2,273,374	1/4	2,288,531	1/4	2,303,688	1/4	2,318,845	1/4	2,333,999	1/4	2,349,155	1/4	2,364,311	1/4	2,379,467	1/4	2,394,623	1/4	2,409,779	1/4	2,424,935	1/4	2,440,091	1/4	2,455,247	1/4	2,470,403	1/4	2,485,559	1/4	2,500,715	1/4	2,515,871	1/4	2,531,027	1/4	2,546,183	1/4	2,561,339	1/4	2,576,495	1/4	2,591,651	1/4	2,606,807	1/4	2,621,963	1/4	2,637,119	1/4	2,652,275	1/4	2,667,431	1/4	2,682,587	1/4	2,697,743	1/4	2,712,899	1/4	2,728,055	1/4	2,743,211	1/4	2,758,367	1/4	2,773,523	1/4	2,788,679	1/4	2,803,835	1/4	2,818,991	1/4	2,834,147	1/4	2,849,303	1/4	2,864,459	1/4	2,879,615	1/4	2,894,771	1/4	2,909,927	1/4	2,925,083	1/4	2,940,239	1/4	2,955,395	1/4	2,970,551	1/4	2,985,707	1/4	3,000,863	1/4	3,016,019	1/4	3,031,175	1/4	3,046,331	1/4	3,061,487	1/4	3,076,643	1/4	3,091,799	1/4	3,106,955	1/4	3,122,111	1/4	3,137,267	1/4	3,152,423	1/4	3,167,579	1/4	3,182,735	1/4	3,197,891	1/4	3,213,047	1/4	3,228,203	1/4	3,243,359	1/4	3,258,515	1/4	3,273,671	1/4	3,288,827	1/4	3,303,983	1/4	3,319,139	1/4	3,334,295	1/4	3,349,451	1/4	3,364,607	1/4	3,379,763	1/4	3,394,919	1/4	3,410,075	1/4	3,425,231	1/4	3,440,387	1/4	3,455,543	1/4	3,470,699	1/4	3,485,855	1/4	3,501,011	1/4	3,516,167	1/4	3,531,323	1/4	3,546,479	1/4	3,561,635	1/4	3,576,791	1/4	3,591,947	1/4	3,607,103	1/4	3,622,259	1/4	3,637,415	1/4	3,652,571	1/4	3,667,727	1/4	3,682,883	1/4	3,698,039	1/4	3,713,195	1/4	3,728,351	1/4	3,743,507	1/4	3,758,663	1/4	3,773,819	1/4	3,788,975	1/4	3,804,131	1/4	3,819,287	1/4	3,834,443	1/4	3,849,599	1/4	3,864,755	1/4	3,879,911	1/4	3,895,067	1/4	3,910,223	1/4	3,925,379	1/4	3,940,535	1/4	3,955,691	1/4	3,970,847	1/4	3,986,003	1/4	4,001,159	1/4	4,016,315	1/4	4,031,471	1/4	4,046,627	1/4	4,061,783	1/4	4,076,939	1/4	4,092,095	1/4	4,107,251	1/4	4,122,407	1/4	4,137,563	1/4	4,152,719	1/4	4,167,875	1/4	4,183,031	1/4	4,198,187	1/4	4,213,343	1/4	4,228,499	1/4	4,243,655	1/4	4,258,811	1/4	4,273,967	1/4	4,289,123	1/4	4,304,279	1/4	4,319,435	1/4	4,334,591	1/4	4,349,747	1/4	4,364,903	1/4	4,380,059	1/4	4,395,215	1/4	4,410,371	1/4	4,425,527	1/4	4,440,683	1/4	4,455,839	1/4	4,470,995	1/4	4,486,151	1/4	4,501,307	1/4	4,516,463	1/4	4,531,619	1/4	4,546,775	1/4	4,561,931	1/4	4,577,087	1/4	4,592,243	1/4	4,607,399	1/4	4,622,555	1/4	4,637,711	1/4	4,652,867	1/4	4,668,023	1/4	4,683,179	1/4	4,698,335	1/4	4,713,491	1/4	4,728,647	1/4	4,743,803	1/4	4,758,959	1/4	4,774,115	1/4	4,789,271	1/4	4,804,427	1/4	4,819,583	1/4	4,834,739	1/4	4,849,895	1/4	4,865,051	1/4	4,880,207	1/4	4,895,363	1/4	4,910,519	1/4	4,925,675	1/4	4,940,831	1/4	4,955,987	1/4	4,971,143	1/4	4,986,299	1/4	5,001,455	1/4	5,016,611	1/4	5,031,767	1/4	5,046,923	1/4	5,062,079	1/4	5,077,235	1/4	5,092,391	1/4	5,107,547	1/4	5,122,703	1/4	5,137,859	1/4	5,153,015	1/4	5,168,171	1/4	5,183,327	1/4	5,198,483	1/4	5,213,639	1/4	5,228,795	1/4	5,243,951	1/4	5,259,107	1/4	5,274,263	1/4	5,289,419	1/4	5,304,575	1/4	5,319,731	1/4	5,334,887	1/4	5,350,043	1/4	5,365,199	1/4	5,380,355	1/4	5,395,511	1/4	5,410,667	1/4	5,425,823	1/4	5,440,979	1/4	5,456,135	1/4	5,471,291	1/4	5,486,447	1/4	5,501,603	1/4	5,516,759	1/4	5,531,915	1/4	5,547,071	1/4	5,562,227	1/4	5,577,383	1/4	5,592,539	1/4	5,607,695	1/4	5,622,851	1/4	5,638,007	1/4	5,653,163	1/4	5,668,319	1/4	5,683,475	1/4	5,698,631	1/4	5,713,787	1/4	5,728,943	1/4	5,744,099	1/4	5,759,255	1/4	5,774,411	1/4	5,789,567	1/4	5,804,723	1/4	5,819,879	1/4	5,835,035	1/4	5,850,191	1/4	5,865,347	1/4	5,880,503	1/4	5,895,659	1/4	5,910,815	1/4	5,925,971	1/4	5,941,127	1/4	5,956,283	1/4	5,971,439	1/4	5,986,595	1/4	6,001,751	1/4	6,016,907	1/4	6,032,063	1/4	6,047,219	1/4	6,062,375	1/4	6,077,531	1/4	6,092,687	1/4	6,107,843	1/4	6,122,999	1/4	6,138,155	1/4	6,153,311	1/4	6,168,467	1/4	6,183,623	1/4	6,198,779	1/4	6,213,935	1/4	6,229,091	1/4	6,244,247	1/4	6,259,403	1/4	6,274,559	1/4	6,289,715	1/4	6,304,871	1/4	6,320,027	1/4	6,335,183	1/4	6,350,339	1/4	6,365,495	1/4	6,380,651	1/4	6,395,807	1/4	6,410,963	1/4	6,426,119	1/



BARGE CBC 314"

2 STBL
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 1/2"

	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.
0	151,079	166,232	181,313	196,379	211,357	0	0	0	0	0
1/4	151,394	166,548	181,627	196,693	211,659	1/4	1/4	1/4	1/4	1/4
1/2	151,710	166,863	181,941	197,006	211,962	1/2	1/2	1/2	1/2	1/2
3/4	152,026	167,179	182,255	197,320	212,264	3/4	3/4	3/4	3/4	3/4
1	152,342	167,495	182,569	197,634	212,566	1	1	1	1	1
1/4	152,657	167,810	182,882	197,948	212,829	1/4	1/4	1/4	1/4	1/4
1/2	152,973	168,126	183,196	198,262	213,093	1/2	1/2	1/2	1/2	1/2
3/4	153,289	168,442	183,510	198,576	213,356	3/4	3/4	3/4	3/4	3/4
2	153,604	168,757	183,824	198,890	213,619	2	2	2	2	2
1/4	153,920	169,072	184,138	199,203	213,831	1/4	1/4	1/4	1/4	1/4
1/2	154,236	169,386	184,452	199,517	214,043	1/2	1/2	1/2	1/2	1/2
3/4	154,551	169,700	184,766	199,831	214,255	3/4	3/4	3/4	3/4	3/4
3	154,867	170,014	185,079	200,145	214,467	3	3	3	3	3
1/4	155,183	170,328	185,393	200,459	214,626	1/4	1/4	1/4	1/4	1/4
1/2	155,498	170,642	185,707	200,773	214,785	1/2	1/2	1/2	1/2	1/2
3/4	155,814	170,955	186,021	201,087	214,944	3/4	3/4	3/4	3/4	3/4
4	156,130	171,269	186,335	201,401	215,103	4	4	4	4	4
1/4	156,446	171,583	186,649	201,714	215,262	1/4	1/4	1/4	1/4	1/4
1/2	156,761	171,897	186,963	202,028	215,421	1/2	1/2	1/2	1/2	1/2
3/4	157,077	172,211	187,277	202,342	215,580	3/4	3/4	3/4	3/4	3/4
5	157,393	172,525	187,590	202,656	215,739	5	5	5	5	5
1/4	157,708	172,839	187,904	202,970	215,898	1/4	1/4	1/4	1/4	1/4
1/2	158,024	173,153	188,218	203,284	216,057	1/2	1/2	1/2	1/2	1/2
3/4	158,340	173,466	188,532	203,598	216,216	3/4	3/4	3/4	3/4	3/4
6	158,655	173,780	188,846	203,911	216,375	6	6	6	6	6
1/4	158,971	174,094	189,160	204,225	216,534	1/4	1/4	1/4	1/4	1/4
1/2	159,287	174,408	189,474	204,539	216,693	1/2	1/2	1/2	1/2	1/2
3/4	159,602	174,722	189,787	204,853	216,852	3/4	3/4	3/4	3/4	3/4
7	159,918	175,036	190,101	205,167	217,011	7	7	7	7	7
1/4	160,234	175,350	190,415	205,478	217,170	1/4	1/4	1/4	1/4	1/4
1/2	160,550	175,663	190,729	205,788	217,329	1/2	1/2	1/2	1/2	1/2
3/4	160,865	175,977	191,043	206,098	217,488	3/4	3/4	3/4	3/4	3/4
8	161,181	176,291	191,357	206,410	217,647	8	8	8	8	8
1/4	161,497	176,605	191,671	206,720	217,806	1/4	1/4	1/4	1/4	1/4
1/2	161,812	176,919	191,985	207,030	217,965	1/2	1/2	1/2	1/2	1/2
3/4	162,128	177,233	192,298	207,341	218,124	3/4	3/4	3/4	3/4	3/4
9	162,444	177,547	192,612	207,651	218,283	9	9	9	9	9
1/4	162,759	177,861	192,926	207,960	218,442	1/4	1/4	1/4	1/4	1/4
1/2	163,075	178,174	193,240	208,270	218,601	1/2	1/2	1/2	1/2	1/2
3/4	163,391	178,488	193,554	208,580	218,760	3/4	3/4	3/4	3/4	3/4
10	163,706	178,802	193,868	208,890	218,919	10	10	10	10	10
1/4	164,022	179,116	194,182	209,199	219,078	1/4	1/4	1/4	1/4	1/4
1/2	164,338	179,430	194,495	209,508	219,237	1/2	1/2	1/2	1/2	1/2
3/4	164,653	179,744	194,809	209,817	219,396	3/4	3/4	3/4	3/4	3/4
11	164,969	180,058	195,123	210,126	219,555	11	11	11	11	11
1/4	165,285	180,371	195,437	210,434	219,714	1/4	1/4	1/4	1/4	1/4
1/2	165,601	180,685	195,751	210,741	219,873	1/2	1/2	1/2	1/2	1/2
3/4	165,916	180,999	196,065	211,049	220,032	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/26/2013 CL
CALCULATED: 02/26/2013 CL
PRINTED: 02/26/2013 CL
CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

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

The J. J. Lane



BARGE JBC 314"

3 POR.
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

0 FT.			1 FT.			2 FT.			3 FT.			4 FT.			5 FT.			6 FT.			7 FT.			8 FT.			9 FT.		
IN	0	1	IN	0	1	IN	0	1	IN	0	1	IN	0	1	IN	0	1	IN	0	1	IN	0	1	IN	0	1	IN	0	1
0	611	0	15,474	0	31,091	0	46,434	0	61,852	0	77,435	0	93,016	0	108,547	0	124,116	0	139,687	0	155,258	0	170,829	0	186,399	0	201,970	0	217,541
1/4	804	1/4	15,800	1/4	31,416	1/4	46,750	1/4	62,177	1/4	77,760	1/4	93,340	1/4	108,871	1/4	124,440	1/4	140,011	1/4	155,582	1/4	171,153	1/4	186,724	1/4	202,295	1/4	217,866
1/2	997	1/2	16,125	1/2	31,740	1/2	47,067	1/2	62,501	1/2	78,085	1/2	93,663	1/2	109,195	1/2	124,764	1/2	140,336	1/2	155,907	1/2	171,478	1/2	187,049	1/2	202,620	1/2	218,191
3/4	1,190	3/4	16,451	3/4	32,065	3/4	47,383	3/4	62,826	3/4	78,409	3/4	93,987	3/4	109,520	3/4	125,089	3/4	140,660	3/4	156,231	3/4	171,802	3/4	187,373	3/4	202,944	3/4	218,515
1	1,384	1	16,776	1	32,389	1	47,699	1	63,151	1	78,734	1	94,310	1	109,844	1	125,413	1	140,984	1	156,555	1	172,126	1	187,697	1	203,268	1	218,839
1/4	1,578	1/4	17,102	1/4	32,714	1/4	48,015	1/4	63,475	1/4	79,059	1/4	94,634	1/4	110,168	1/4	125,738	1/4	141,309	1/4	156,880	1/4	172,451	1/4	188,022	1/4	203,593	1/4	219,164
1/2	1,772	1/2	17,427	1/2	33,038	1/2	48,332	1/2	63,800	1/2	79,383	1/2	94,957	1/2	110,492	1/2	126,062	1/2	141,633	1/2	157,204	1/2	172,775	1/2	188,346	1/2	203,917	1/2	219,488
3/4	1,966	3/4	17,753	3/4	33,363	3/4	48,648	3/4	64,125	3/4	79,708	3/4	95,281	3/4	110,816	3/4	126,386	3/4	141,967	3/4	157,538	3/4	173,109	3/4	188,680	3/4	204,251	3/4	219,822
1	2,160	1	18,078	1	33,687	1	48,965	1	64,449	1	80,033	1	95,605	1	111,140	1	126,711	1	142,282	1	157,853	1	173,424	1	189,005	1	204,576	1	220,147
1/4	2,354	1/4	18,404	1/4	34,012	1/4	49,281	1/4	64,774	1/4	80,357	1/4	95,928	1/4	111,484	1/4	127,035	1/4	142,606	1/4	158,177	1/4	173,748	1/4	189,329	1/4	204,901	1/4	220,473
1/2	2,548	1/2	18,729	1/2	34,336	1/2	49,598	1/2	65,099	1/2	80,682	1/2	96,252	1/2	111,788	1/2	127,380	1/2	142,931	1/2	158,503	1/2	174,070	1/2	189,641	1/2	205,214	1/2	220,798
3/4	2,742	3/4	19,055	3/4	34,661	3/4	49,914	3/4	65,423	3/4	81,007	3/4	96,575	3/4	112,113	3/4	127,684	3/4	143,255	3/4	158,826	3/4	174,418	3/4	189,979	3/4	205,540	3/4	221,120
1	2,936	1	19,380	1	34,985	1	50,231	1	65,748	1	81,331	1	96,899	1	112,437	1	128,009	1	143,579	1	159,150	1	174,721	1	190,292	1	205,864	1	221,442
1/4	3,130	1/4	19,706	1/4	35,310	1/4	50,547	1/4	66,073	1/4	81,656	1/4	97,222	1/4	112,761	1/4	128,333	1/4	143,904	1/4	159,481	1/4	175,052	1/4	190,624	1/4	206,186	1/4	221,764
1/2	3,324	1/2	20,031	1/2	35,634	1/2	50,864	1/2	66,397	1/2	81,981	1/2	97,546	1/2	113,086	1/2	128,657	1/2	144,228	1/2	159,802	1/2	175,373	1/2	190,947	1/2	206,508	1/2	222,086
3/4	3,518	3/4	20,357	3/4	35,959	3/4	51,181	3/4	66,722	3/4	82,305	3/4	97,870	3/4	113,410	3/4	128,982	3/4	144,552	3/4	160,123	3/4	175,694	3/4	190,999	3/4	206,830	3/4	222,408
1	3,712	1	20,682	1	36,283	1	51,498	1	67,046	1	82,630	1	98,193	1	113,734	1	129,306	1	144,877	1	160,444	1	176,015	1	191,596	1	207,167	1	222,730
1/4	3,906	1/4	21,008	1/4	36,608	1/4	51,814	1/4	67,371	1/4	82,955	1/4	98,517	1/4	114,059	1/4	129,631	1/4	145,201	1/4	160,765	1/4	176,330	1/4	191,908	1/4	207,482	1/4	223,052
1/2	4,100	1/2	21,334	1/2	36,933	1/2	52,131	1/2	67,695	1/2	83,279	1/2	98,840	1/2	114,383	1/2	129,955	1/2	145,524	1/2	161,079	1/2	176,647	1/2	192,220	1/2	207,804	1/2	223,374
3/4	4,294	3/4	21,659	3/4	37,257	3/4	52,448	3/4	68,020	3/4	83,604	3/4	99,164	3/4	114,708	3/4	130,279	3/4	145,848	3/4	161,398	3/4	176,960	3/4	192,532	3/4	208,116	3/4	223,698
1	4,488	1	21,985	1	37,582	1	52,765	1	68,344	1	83,929	1	99,487	1	115,032	1	130,604	1	146,172	1	161,712	1	177,283	1	192,854	1	208,426	1	224,022
1/4	4,682	1/4	22,310	1/4	37,908	1/4	53,088	1/4	68,669	1/4	84,254	1/4	99,811	1/4	115,356	1/4	130,928	1/4	146,495	1/4	162,036	1/4	177,605	1/4	193,176	1/4	208,748	1/4	224,346
1/2	4,876	1/2	22,636	1/2	38,215	1/2	53,412	1/2	68,994	1/2	84,578	1/2	100,135	1/2	115,681	1/2	131,253	1/2	146,819	1/2	162,354	1/2	177,926	1/2	193,498	1/2	209,070	1/2	224,670
3/4	5,070	3/4	22,961	3/4	38,539	3/4	53,736	3/4	69,318	3/4	84,903	3/4	100,458	3/4	115,995	3/4	131,577	3/4	147,142	3/4	162,675	3/4	178,247	3/4	193,800	3/4	209,392	3/4	224,994
1	5,264	1	23,287	1	38,864	1	54,060	1	69,643	1	85,228	1	100,782	1	116,330	1	131,901	1	147,466	1	162,991	1	178,569	1	194,112	1	209,714	1	225,318
1/4	5,458	1/4	23,612	1/4	39,185	1/4	54,384	1/4	69,968	1/4	85,552	1/4	101,105	1/4	116,654	1/4	132,226	1/4	147,789	1/4	163,312	1/4	178,891	1/4	194,436	1/4	210,036	1/4	225,642
1/2	5,652	1/2	23,938	1/2	39,511	1/2	54,709	1/2	70,292	1/2	85,877	1/2	101,429	1/2	116,979	1/2	132,550	1/2	148,112	1/2	163,628	1/2	179,203	1/2	194,760	1/2	210,360	1/2	225,966
3/4	5,846	3/4	24,263	3/4	39,797	3/4	55,034	3/4	70,617	3/4	86,202	3/4	101,752	3/4	117,303	3/4	132,875	3/4	148,436	3/4	163,944	3/4	179,515	3/4	195,084	3/4	210,684	3/4	226,290
1	6,040	1	24,589	1	40,113	1	55,358	1	70,942	1	86,526	1	102,076	1	117,627	1	133,199	1	148,759	1	164,261	1	179,826	1	195,408	1	211,008	1	226,614
1/4	6,234	1/4	24,914	1/4	40,429	1/4	55,683	1/4	71,266	1/4	86,851	1/4	102,400	1/4	117,952	1/4	133,523	1/4	149,082	1/4	164,577	1/4	180,133	1/4	195,732	1/4	211,332	1/4	226,938
1/2	6,428	1/2	25,240	1/2	40,745	1/2	56,008	1/2	71,591	1/2	87,176	1/2	102,723	1/2	118,276	1/2	133,848	1/2	149,406	1/2	164,892	1/2	180,457	1/2	196,058	1/2	211,656	1/2	227,262
3/4	6,622	3/4	25,565	3/4	41,061	3/4	56,332	3/4	71,916	3/4	87,500	3/4	103,047	3/4	118,601	3/4	134,172	3/4	149,729	3/4	165,203	3/4	180,778	3/4	196,384	3/4	211,980	3/4	227,586
1	6,816	1	25,891	1	41,377	1	56,657	1	72,240	1	87,825	1	103,370	1	118,926	1	134,497	1	150,052	1	165,519	1	181,099	1	196,704	1	212,304	1	227,910
1/4	7,010	1/4	26,216	1/4	41,693	1/4	56,982	1/4	72,565	1/4	88,150	1/4	103,694	1/4	119,249	1/4	134,821	1/4	150,375	1/4	165,840	1/4	181,420	1/4	196,995	1/4	212,628	1/4	228,234
1/2	7,204	1/2	26,542	1/2	42,009	1/2	57,306	1/2	72,890	1/2	88,474	1/2	104,017																



BARGE CBC 314"

3 POR

INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	155,080	0	167,391	0	179,337	0	191,272	0	203,139	0	215,006	0	226,873	0	238,739	0	250,606	0	262,473
1/4	155,368	1/4	167,641	1/4	179,586	1/4	191,520	1/4	203,378	1/4	215,245	1/4	227,112	1/4	238,979	1/4	250,846	1/4	262,713
1/2	155,655	1/2	167,891	1/2	179,834	1/2	191,763	1/2	203,618	1/2	215,485	1/2	227,352	1/2	239,219	1/2	251,086	1/2	262,950
3/4	155,942	3/4	168,141	3/4	180,083	3/4	192,018	3/4	203,857	3/4	215,724	3/4	227,591	3/4	239,458	3/4	251,323	3/4	263,187
1	156,230	1	168,391	1	180,332	1	192,266	1	204,097	1	215,963	1	227,794	1	239,625	1	251,454	1	263,280
1/4	156,505	1/4	168,641	1/4	180,580	1/4	192,515	1/4	204,305	1/4	216,172	1/4	228,003	1/4	239,834	1/4	251,660	1/4	263,436
1/2	156,780	1/2	168,891	1/2	180,829	1/2	192,763	1/2	204,514	1/2	216,381	1/2	228,212	1/2	240,043	1/2	251,816	1/2	263,592
3/4	157,055	3/4	169,141	3/4	181,077	3/4	193,012	3/4	204,723	3/4	216,592	3/4	228,423	3/4	240,254	3/4	252,022	3/4	263,748
2	157,330	2	169,391	2	181,326	2	193,261	2	204,931	2	216,841	2	228,673	2	240,504	2	252,278	2	263,904
1/4	157,592	1/4	169,640	1/4	181,575	1/4	193,509	1/4	205,099	1/4	217,090	1/4	228,922	1/4	240,754	1/4	252,534	1/4	264,060
1/2	157,854	1/2	169,888	1/2	181,823	1/2	193,758	1/2	205,267	1/2	217,340	1/2	229,174	1/2	241,006	1/2	252,790	1/2	264,216
3/4	158,116	3/4	170,137	3/4	182,072	3/4	194,007	3/4	205,435	3/4	217,591	3/4	229,425	3/4	241,257	3/4	253,046	3/4	264,372
3	158,379	3	170,386	3	182,321	3	194,255	3	205,603	3	217,842	3	229,676	3	241,508	3	253,297	3	264,528
1/4	158,632	1/4	170,635	1/4	182,569	1/4	194,504	1/4	205,772	1/4	218,093	1/4	230,000	1/4	241,759	1/4	253,553	1/4	264,684
1/2	158,884	1/2	170,883	1/2	182,818	1/2	194,753	1/2	205,955	1/2	218,344	1/2	230,251	1/2	242,010	1/2	253,809	1/2	264,840
3/4	159,137	3/4	171,132	3/4	183,067	3/4	195,001	3/4	206,116	3/4	218,595	3/4	230,502	3/4	242,261	3/4	254,065	3/4	264,996
4	159,390	4	171,381	4	183,315	4	195,250	4	206,365	4	218,846	4	230,753	4	242,512	4	254,321	4	265,152
1/4	159,640	1/4	171,629	1/4	183,564	1/4	195,499	1/4	206,614	1/4	219,097	1/4	231,004	1/4	242,763	1/4	254,577	1/4	265,308
1/2	159,890	1/2	171,878	1/2	183,812	1/2	195,747	1/2	206,863	1/2	219,348	1/2	231,255	1/2	243,014	1/2	254,833	1/2	265,464
3/4	160,140	3/4	172,126	3/4	184,061	3/4	195,996	3/4	207,112	3/4	219,599	3/4	231,506	3/4	243,265	3/4	255,089	3/4	265,620
5	160,390	5	172,375	5	184,310	5	196,244	5	207,361	5	219,850	5	231,757	5	243,516	5	255,345	5	265,776
1/4	160,641	1/4	172,624	1/4	184,558	1/4	196,493	1/4	207,610	1/4	220,101	1/4	232,008	1/4	243,767	1/4	255,601	1/4	265,932
1/2	160,891	1/2	172,872	1/2	184,807	1/2	196,742	1/2	207,859	1/2	220,352	1/2	232,259	1/2	244,018	1/2	255,857	1/2	266,088
3/4	161,141	3/4	173,121	3/4	185,056	3/4	196,990	3/4	208,108	3/4	220,603	3/4	232,510	3/4	244,269	3/4	256,113	3/4	266,244
6	161,391	6	173,370	6	185,304	6	197,239	6	208,357	6	220,854	6	232,761	6	244,520	6	256,369	6	266,400
1/4	161,641	1/4	173,618	1/4	185,553	1/4	197,488	1/4	208,606	1/4	221,105	1/4	233,012	1/4	244,771	1/4	256,625	1/4	266,556
1/2	161,891	1/2	173,867	1/2	185,802	1/2	197,736	1/2	208,855	1/2	221,356	1/2	233,263	1/2	245,022	1/2	256,881	1/2	266,712
3/4	162,141	3/4	174,116	3/4	186,050	3/4	197,985	3/4	209,104	3/4	221,607	3/4	233,514	3/4	245,273	3/4	257,137	3/4	266,868
7	162,391	7	174,364	7	186,299	7	198,234	7	209,353	7	221,858	7	233,765	7	245,524	7	257,393	7	267,024
1/4	162,641	1/4	174,613	1/4	186,548	1/4	198,480	1/4	209,602	1/4	222,109	1/4	234,016	1/4	245,775	1/4	257,649	1/4	267,180
1/2	162,891	1/2	174,862	1/2	186,796	1/2	198,728	1/2	209,851	1/2	222,360	1/2	234,267	1/2	246,026	1/2	257,905	1/2	267,336
3/4	163,141	3/4	175,110	3/4	187,045	3/4	198,972	3/4	210,100	3/4	222,611	3/4	234,518	3/4	246,277	3/4	258,161	3/4	267,492
8	163,391	8	175,359	8	187,293	8	199,219	8	210,349	8	222,862	8	234,769	8	246,528	8	258,417	8	267,648
1/4	163,641	1/4	175,607	1/4	187,542	1/4	199,464	1/4	210,598	1/4	223,113	1/4	235,020	1/4	246,779	1/4	258,673	1/4	267,804
1/2	163,891	1/2	175,856	1/2	187,791	1/2	199,710	1/2	210,847	1/2	223,364	1/2	235,271	1/2	247,030	1/2	258,929	1/2	267,960
3/4	164,141	3/4	176,105	3/4	188,039	3/4	199,956	3/4	211,096	3/4	223,615	3/4	235,522	3/4	247,281	3/4	259,185	3/4	268,116
9	164,391	9	176,353	9	188,288	9	200,202	9	211,345	9	223,866	9	235,773	9	247,532	9	259,441	9	268,272
1/4	164,641	1/4	176,602	1/4	188,537	1/4	200,447	1/4	211,594	1/4	224,117	1/4	236,024	1/4	247,783	1/4	259,697	1/4	268,428
1/2	164,891	1/2	176,851	1/2	188,785	1/2	200,693	1/2	211,843	1/2	224,368	1/2	236,275	1/2	248,034	1/2	259,953	1/2	268,584
3/4	165,141	3/4	177,099	3/4	189,034	3/4	200,938	3/4	212,092	3/4	224,619	3/4	236,526	3/4	248,285	3/4	260,209	3/4	268,740
10	165,391	10	177,348	10	189,283	10	201,184	10	212,341	10	224,870	10	236,777	10	248,536	10	260,465	10	268,896
1/4	165,641	1/4	177,597	1/4	189,531	1/4	201,428	1/4	212,590	1/4	225,121	1/4	237,028	1/4	248,787	1/4	260,721	1/4	269,052
1/2	165,891	1/2	177,845	1/2	189,780	1/2	201,673	1/2	212,839	1/2	225,372	1/2	237,279	1/2	249,038	1/2	260,977	1/2	269,208
3/4	166,141	3/4	178,094	3/4	190,028	3/4	201,918	3/4	213,088	3/4	225,623	3/4	237,530	3/4	249,289	3/4	261,233	3/4	269,364
11	166,391	11	178,342	11	190,277	11	202,163	11	213,337	11	225,874	11	237,781	11	249,540	11	261,489	11	269,520
1/4	166,641	1/4	178,591	1/4	190,526	1/4	202,407	1/4	213,586	1/4	226,125	1/4	238,032	1/4	249,791	1/4	261,745	1/4	269,676
1/2	166,891	1/2	178,840	1/2	190,774	1/2	202,651	1/2	213,835	1/2	226,376	1/2	238,283	1/2	250,042	1/2	261,999	1/2	269,832
3/4	167,141	3/4	179,088	3/4	191,023	3/4	202,895	3/4	214,084	3/4	226,627	3/4	238,534	3/4	250,293	3/4	262,255	3/4	270,000

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/26/2013 CL
CALCULATED: 02/26/2013 CL
PRINTED: 02/26/2013 CL
CANCELS AND SUPERCEDES
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PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
http://www.pmacorp.net

Paul J. Mac



BARGE JBC 314"

3 STBL

INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

0 FT.			1 FT.			2 FT.			3 FT.			4 FT.			5 FT.			6 FT.			7 FT.			8 FT.			9 FT.		
IN	0	1/4	1/2	IN	0	1/4	1/2	IN	0	1/4	1/2	IN	0	1/4	1/2	IN	0	1/4	1/2	IN	0	1/4	1/2	IN	0	1/4	1/2		
0	610	0	15,465	0	31,072	0	46,212	0	61,488	0	77,062	0	92,633	0	108,154	0	123,713	0	139,274	0	154,835	0	170,396	0	185,957	0	201,518	0	217,079
1/4	803	1/4	15,790	1/4	31,396	1/4	46,521	1/4	61,812	1/4	77,386	1/4	92,956	1/4	108,478	1/4	124,037	1/4	139,599	1/4	155,160	1/4	170,721	1/4	186,282	1/4	201,843	1/4	217,404
1/2	997	1/2	16,115	1/2	31,721	1/2	46,830	1/2	62,137	1/2	77,710	1/2	93,279	1/2	108,802	1/2	124,361	1/2	139,923	1/2	155,484	1/2	171,045	1/2	186,606	1/2	202,167	1/2	217,728
3/4	1,190	3/4	16,441	3/4	32,045	3/4	47,139	3/4	62,461	3/4	78,035	3/4	93,603	3/4	109,126	3/4	124,685	3/4	140,247	3/4	155,808	3/4	171,369	3/4	186,930	3/4	202,491	3/4	218,052
1	1,383	1	16,766	1	32,369	1	47,448	1	62,766	1	78,359	1	93,926	1	109,450	1	125,010	1	140,571	1	156,132	1	171,693	1	187,254	1	202,815	1	218,376
1/4	1,657	1/4	17,091	1/4	32,694	1/4	47,758	1/4	63,110	1/4	78,684	1/4	94,249	1/4	109,774	1/4	125,334	1/4	140,895	1/4	156,456	1/4	172,017	1/4	187,578	1/4	203,139	1/4	218,700
1/2	1,932	1/2	17,416	1/2	33,018	1/2	48,067	1/2	63,435	1/2	79,008	1/2	94,573	1/2	110,098	1/2	125,658	1/2	141,219	1/2	156,780	1/2	172,341	1/2	187,902	1/2	203,463	1/2	219,024
3/4	2,206	3/4	17,742	3/4	33,342	3/4	48,376	3/4	63,759	3/4	79,333	3/4	94,896	3/4	110,422	3/4	125,982	3/4	141,544	3/4	157,105	3/4	172,666	3/4	188,227	3/4	203,788	3/4	219,349
2	2,481	2	18,067	2	33,667	2	48,686	2	64,084	2	79,657	2	95,220	2	110,746	2	126,307	2	141,868	2	157,429	2	172,990	2	188,551	2	204,112	2	219,673
1/4	2,800	1/4	18,392	1/4	33,991	1/4	48,996	1/4	64,408	1/4	79,982	1/4	95,543	1/4	111,070	1/4	126,631	1/4	142,192	1/4	157,753	1/4	173,314	1/4	188,875	1/4	204,436	1/4	220,000
1/2	3,118	1/2	18,718	1/2	34,315	1/2	49,306	1/2	64,733	1/2	80,306	1/2	95,866	1/2	111,394	1/2	126,955	1/2	142,516	1/2	158,077	1/2	173,638	1/2	189,199	1/2	204,758	1/2	220,320
3/4	3,437	3/4	19,043	3/4	34,639	3/4	49,616	3/4	65,057	3/4	80,631	3/4	96,190	3/4	111,717	3/4	127,279	3/4	142,840	3/4	158,401	3/4	173,963	3/4	189,484	3/4	205,045	3/4	220,642
3	3,756	3	19,368	3	34,964	3	49,926	3	65,382	3	80,955	3	96,513	3	112,041	3	127,603	3	143,165	3	158,726	3	174,287	3	189,848	3	205,409	3	220,964
1/4	4,081	1/4	19,694	1/4	35,288	1/4	50,236	1/4	65,706	1/4	81,280	1/4	96,836	1/4	112,366	1/4	127,928	1/4	143,489	1/4	159,050	1/4	174,612	1/4	190,174	1/4	205,736	1/4	221,300
1/2	4,406	1/2	20,019	1/2	35,612	1/2	50,547	1/2	66,030	1/2	81,604	1/2	97,160	1/2	112,690	1/2	128,252	1/2	143,813	1/2	159,375	1/2	174,936	1/2	190,460	1/2	206,044	1/2	221,624
3/4	4,730	3/4	20,344	3/4	35,937	3/4	50,857	3/4	66,355	3/4	81,929	3/4	97,483	3/4	113,014	3/4	128,576	3/4	144,137	3/4	160,022	3/4	175,583	3/4	190,784	3/4	206,368	3/4	221,908
4	5,055	4	20,670	4	36,261	4	51,168	4	66,679	4	82,253	4	97,807	4	113,338	4	128,900	4	144,461	4	160,022	4	175,583	4	191,144	4	206,705	4	222,266
1/4	5,380	1/4	20,995	1/4	36,585	1/4	51,478	1/4	67,003	1/4	82,578	1/4	98,130	1/4	113,662	1/4	129,224	1/4	144,785	1/4	160,347	1/4	175,909	1/4	191,472	1/4	207,033	1/4	222,591
1/2	5,705	1/2	21,320	1/2	36,908	1/2	51,789	1/2	67,328	1/2	82,902	1/2	98,453	1/2	113,987	1/2	129,549	1/2	145,108	1/2	160,666	1/2	176,230	1/2	191,794	1/2	207,355	1/2	222,916
3/4	6,031	3/4	21,646	3/4	37,232	3/4	52,099	3/4	67,652	3/4	83,227	3/4	98,777	3/4	114,311	3/4	129,873	3/4	145,432	3/4	161,000	3/4	176,551	3/4	192,115	3/4	207,680	3/4	223,242
5	6,356	5	21,971	5	37,555	5	52,409	5	67,976	5	83,551	5	99,100	5	114,635	5	130,197	5	145,755	5	161,316	5	176,877	5	192,438	5	208,000	5	223,560
1/4	6,681	1/4	22,296	1/4	37,866	1/4	52,732	1/4	68,301	1/4	83,876	1/4	99,423	1/4	114,959	1/4	130,521	1/4	146,078	1/4	161,639	1/4	177,200	1/4	192,762	1/4	208,324	1/4	223,884
1/2	7,006	1/2	22,622	1/2	38,176	1/2	53,055	1/2	68,625	1/2	84,200	1/2	99,747	1/2	115,283	1/2	130,845	1/2	146,402	1/2	162,004	1/2	177,565	1/2	193,129	1/2	208,692	1/2	224,254
3/4	7,332	3/4	22,947	3/4	38,487	3/4	53,378	3/4	68,950	3/4	84,525	3/4	100,070	3/4	115,608	3/4	131,170	3/4	146,725	3/4	162,321	3/4	177,886	3/4	193,451	3/4	209,018	3/4	224,580
6	7,657	6	23,272	6	38,797	6	53,700	6	69,274	6	84,849	6	100,393	6	115,932	6	131,494	6	147,048	6	162,602	6	178,156	6	193,710	6	209,264	6	224,818
1/4	7,982	1/4	23,597	1/4	39,106	1/4	54,025	1/4	69,599	1/4	85,173	1/4	100,717	1/4	116,256	1/4	131,818	1/4	147,372	1/4	162,916	1/4	178,470	1/4	194,024	1/4	209,578	1/4	225,132
1/2	8,308	1/2	23,923	1/2	39,415	1/2	54,349	1/2	69,923	1/2	85,498	1/2	101,040	1/2	116,580	1/2	132,142	1/2	147,695	1/2	163,241	1/2	178,794	1/2	194,343	1/2	209,896	1/2	225,446
3/4	8,633	3/4	24,248	3/4	39,724	3/4	54,674	3/4	70,248	3/4	85,822	3/4	101,364	3/4	116,904	3/4	132,467	3/4	148,018	3/4	163,545	3/4	179,096	3/4	194,648	3/4	210,200	3/4	225,750
7	8,958	7	24,573	7	40,033	7	54,998	7	70,572	7	86,147	7	101,687	7	117,229	7	132,791	7	148,341	7	163,895	7	179,449	7	195,003	7	210,557	7	226,111
1/4	9,284	1/4	24,899	1/4	40,342	1/4	55,323	1/4	70,896	1/4	86,471	1/4	102,010	1/4	117,553	1/4	133,115	1/4	148,664	1/4	164,218	1/4	179,772	1/4	195,326	1/4	210,880	1/4	226,434
1/2	9,609	1/2	25,224	1/2	40,651	1/2	55,647	1/2	71,221	1/2	86,796	1/2	102,334	1/2	117,877	1/2	133,439	1/2	148,987	1/2	164,543	1/2	179,999	1/2	195,651	1/2	211,200	1/2	226,754
3/4	9,934	3/4	25,549	3/4	40,960	3/4	55,972	3/4	71,545	3/4	87,120	3/4	102,657	3/4	118,201	3/4	133,763	3/4	149,310	3/4	164,857	3/4	180,405	3/4	196,013	3/4	211,502	3/4	227,056
8	10,260	8	25,875	8	41,269	8	56,296	8	71,870	8	87,445	8	102,980	8	118,526	8	134,087	8	149,633	8	165,187	8	180,741	8	196,295	8	211,849	8	227,403
1/4	10,585	1/4	26,200	1/4	41,578	1/4	56,621	1/4	72,194	1/4	87,769	1/4	103,304	1/4	118,850	1/4	134,412	1/4	149,956	1/4	165,500	1/4	181,054	1/4	196,608	1/4	212,162	1/4	227,716
1/2	10,910	1/2	26,525	1/2	41,887	1/2	56,945	1/2	72,519	1/2	88,094	1/2	103,627	1/2	119,174	1/2	134,736	1/2	150,279	1/2	165,803	1/2	180,905	1/2	196,965	1/2	212,469	1/2	228,023
3/4	11,236	3/4	26,851	3/4	42,196	3/4	57,270	3/4	72,843	3/4	88,418	3/4	103,951																



BARGE JBC 314"

3 STBL

INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
N	I	N	I	N	I	N	I	N	I	N	I	N	I	N	I	N	I	N	I
0	154,658	0	166,961	0	176,900	0	190,827	0	202,687	0	202,687	0	202,687	0	202,687	0	202,687	0	202,687
1/4	154,945	1/4	167,211	1/4	179,148	1/4	191,076	1/4	202,926	1/4	202,926	1/4	202,926	1/4	202,926	1/4	202,926	1/4	202,926
1/2	155,233	1/2	167,461	1/2	179,397	1/2	191,324	1/2	203,166	1/2	203,166	1/2	203,166	1/2	203,166	1/2	203,166	1/2	203,166
3/4	155,520	3/4	167,711	3/4	179,645	3/4	191,573	3/4	203,405	3/4	203,405	3/4	203,405	3/4	203,405	3/4	203,405	3/4	203,405
1	155,807	1	167,961	1	179,894	1	191,821	1	203,644	1	203,644	1	203,644	1	203,644	1	203,644	1	203,644
1/4	156,092	1/4	168,212	1/4	180,142	1/4	192,070	1/4	203,853	1/4	203,853	1/4	203,853	1/4	203,853	1/4	203,853	1/4	203,853
1/2	156,357	1/2	168,460	1/2	180,391	1/2	192,318	1/2	204,061	1/2	204,061	1/2	204,061	1/2	204,061	1/2	204,061	1/2	204,061
3/4	156,631	3/4	168,710	3/4	180,639	3/4	192,567	3/4	204,270	3/4	204,270	3/4	204,270	3/4	204,270	3/4	204,270	3/4	204,270
2	156,906	2	168,960	2	180,888	2	192,815	2	204,478	2	204,478	2	204,478	2	204,478	2	204,478	2	204,478
1/4	157,168	1/4	169,209	1/4	181,136	1/4	193,064	1/4	204,646	1/4	204,646	1/4	204,646	1/4	204,646	1/4	204,646	1/4	204,646
1/2	157,430	1/2	169,457	1/2	181,385	1/2	193,312	1/2	204,814	1/2	204,814	1/2	204,814	1/2	204,814	1/2	204,814	1/2	204,814
3/4	157,693	3/4	169,706	3/4	181,633	3/4	193,561	3/4	204,982	3/4	204,982	3/4	204,982	3/4	204,982	3/4	204,982	3/4	204,982
3	157,955	3	169,955	3	181,882	3	193,809	3	205,150	3	205,150	3	205,150	3	205,150	3	205,150	3	205,150
1/4	158,207	1/4	170,203	1/4	182,130	1/4	194,056	1/4	205,276	1/4	205,276	1/4	205,276	1/4	205,276	1/4	205,276	1/4	205,276
1/2	158,460	1/2	170,452	1/2	182,379	1/2	194,306	1/2	205,402	1/2	205,402	1/2	205,402	1/2	205,402	1/2	205,402	1/2	205,402
3/4	158,712	3/4	170,700	3/4	182,627	3/4	194,554	3/4	205,528	3/4	205,528	3/4	205,528	3/4	205,528	3/4	205,528	3/4	205,528
4	158,965	4	170,948	4	182,876	4	194,803	4	205,654	4	205,654	4	205,654	4	205,654	4	205,654	4	205,654
1/4	159,215	1/4	171,197	1/4	183,124	1/4	195,051	1/4	205,780	1/4	205,780	1/4	205,780	1/4	205,780	1/4	205,780	1/4	205,780
1/2	159,465	1/2	171,445	1/2	183,373	1/2	195,300	1/2	205,906	1/2	205,906	1/2	205,906	1/2	205,906	1/2	205,906	1/2	205,906
3/4	159,715	3/4	171,694	3/4	183,621	3/4	195,548	3/4	206,032	3/4	206,032	3/4	206,032	3/4	206,032	3/4	206,032	3/4	206,032
5	159,965	5	171,942	5	183,870	5	195,797	5	206,158	5	206,158	5	206,158	5	206,158	5	206,158	5	206,158
1/4	160,215	1/4	172,191	1/4	184,118	1/4	196,045	1/4	206,284	1/4	206,284	1/4	206,284	1/4	206,284	1/4	206,284	1/4	206,284
1/2	160,465	1/2	172,439	1/2	184,367	1/2	196,294	1/2	206,410	1/2	206,410	1/2	206,410	1/2	206,410	1/2	206,410	1/2	206,410
3/4	160,715	3/4	172,688	3/4	184,615	3/4	196,542	3/4	206,536	3/4	206,536	3/4	206,536	3/4	206,536	3/4	206,536	3/4	206,536
6	160,965	6	172,936	6	184,864	6	196,791	6	206,662	6	206,662	6	206,662	6	206,662	6	206,662	6	206,662
1/4	161,214	1/4	173,185	1/4	185,112	1/4	197,039	1/4	206,788	1/4	206,788	1/4	206,788	1/4	206,788	1/4	206,788	1/4	206,788
1/2	161,464	1/2	173,433	1/2	185,361	1/2	197,288	1/2	206,914	1/2	206,914	1/2	206,914	1/2	206,914	1/2	206,914	1/2	206,914
3/4	161,714	3/4	173,682	3/4	185,609	3/4	197,536	3/4	207,040	3/4	207,040	3/4	207,040	3/4	207,040	3/4	207,040	3/4	207,040
7	161,964	7	173,930	7	185,858	7	197,785	7	207,166	7	207,166	7	207,166	7	207,166	7	207,166	7	207,166
1/4	162,214	1/4	174,179	1/4	186,106	1/4	198,031	1/4	207,292	1/4	207,292	1/4	207,292	1/4	207,292	1/4	207,292	1/4	207,292
1/2	162,464	1/2	174,427	1/2	186,355	1/2	198,277	1/2	207,418	1/2	207,418	1/2	207,418	1/2	207,418	1/2	207,418	1/2	207,418
3/4	162,714	3/4	174,676	3/4	186,603	3/4	198,523	3/4	207,544	3/4	207,544	3/4	207,544	3/4	207,544	3/4	207,544	3/4	207,544
8	162,963	8	174,924	8	186,851	8	198,769	8	207,670	8	207,670	8	207,670	8	207,670	8	207,670	8	207,670
1/4	163,213	1/4	175,173	1/4	187,100	1/4	199,015	1/4	207,796	1/4	207,796	1/4	207,796	1/4	207,796	1/4	207,796	1/4	207,796
1/2	163,463	1/2	175,421	1/2	187,348	1/2	199,261	1/2	207,922	1/2	207,922	1/2	207,922	1/2	207,922	1/2	207,922	1/2	207,922
3/4	163,713	3/4	175,670	3/4	187,597	3/4	199,506	3/4	208,048	3/4	208,048	3/4	208,048	3/4	208,048	3/4	208,048	3/4	208,048
9	163,963	9	175,918	9	187,845	9	199,752	9	208,174	9	208,174	9	208,174	9	208,174	9	208,174	9	208,174
1/4	164,213	1/4	176,167	1/4	188,094	1/4	199,997	1/4	208,300	1/4	208,300	1/4	208,300	1/4	208,300	1/4	208,300	1/4	208,300
1/2	164,463	1/2	176,415	1/2	188,342	1/2	200,242	1/2	208,426	1/2	208,426	1/2	208,426	1/2	208,426	1/2	208,426	1/2	208,426
3/4	164,713	3/4	176,664	3/4	188,591	3/4	200,488	3/4	208,552	3/4	208,552	3/4	208,552	3/4	208,552	3/4	208,552	3/4	208,552
10	164,962	10	176,912	10	188,839	10	200,733	10	208,678	10	208,678	10	208,678	10	208,678	10	208,678	10	208,678
1/4	165,212	1/4	177,161	1/4	189,088	1/4	200,978	1/4	208,804	1/4	208,804	1/4	208,804	1/4	208,804	1/4	208,804	1/4	208,804
1/2	165,462	1/2	177,409	1/2	189,336	1/2	201,222	1/2	208,930	1/2	208,930	1/2	208,930	1/2	208,930	1/2	208,930	1/2	208,930
3/4	165,712	3/4	177,658	3/4	189,585	3/4	201,467	3/4	209,056	3/4	209,056	3/4	209,056	3/4	209,056	3/4	209,056	3/4	209,056
11	165,962	11	177,906	11	189,833	11	201,712	11	209,182	11	209,182	11	209,182	11	209,182	11	209,182	11	209,182
1/4	166,212	1/4	178,155	1/4	190,082	1/4	201,966	1/4	209,308	1/4	209,308	1/4	209,308	1/4	209,308	1/4	209,308	1/4	209,308
1/2	166,462	1/2	178,403	1/2	190,330	1/2	202,199	1/2	209,434	1/2	209,434	1/2	209,434	1/2	209,434	1/2	209,434	1/2	209,434
3/4	166,711	3/4	178,651	3/4	190,579	3/4	202,443	3/4	209,560	3/4	209,560	3/4	209,560	3/4	209,560	3/4	209,560	3/4	209,560

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/26/2013 CL
CALCULATED: 02/26/2013 CL
PRINTED: 02/26/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

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

The JBC



BARGE JBC 314"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 4'-05 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	100	0	257	0	412	0	567	0	722	0	877	0	1032	0	1187	0	1342
1/4	1	1/4	103	1/4	260	1/4	415	1/4	570	1/4	725	1/4	880	1/4	1035	1/4	1190	1/4	1345
1/2	1	1/2	106	1/2	263	1/2	417	1/2	572	1/2	727	1/2	882	1/2	1037	1/2	1192	1/2	1347
3/4	2	3/4	109	3/4	267	3/4	420	3/4	575	3/4	730	3/4	885	3/4	1040	3/4	1195	3/4	1350
1	3	1	112	1	270	1	423	1	578	1	733	1	888	1	1043	1	1198	1	1353
1/4	4	1/4	115	1/4	273	1/4	426	1/4	581	1/4	736	1/4	891	1/4	1046	1/4	1201	1/4	1356
1/2	5	1/2	118	1/2	277	1/2	429	1/2	584	1/2	739	1/2	894	1/2	1049	1/2	1204	1/2	1359
3/4	6	3/4	122	3/4	280	3/4	431	3/4	587	3/4	742	3/4	897	3/4	1052	3/4	1207	3/4	1362
1	7	1	125	1	284	1	434	1	590	1	745	1	900	1	1055	1	1210	1	1365
1/4	9	1/4	128	1/4	287	1/4	437	1/4	593	1/4	748	1/4	903	1/4	1058	1/4	1213	1/4	1368
1/2	10	1/2	131	1/2	290	1/2	440	1/2	596	1/2	751	1/2	906	1/2	1061	1/2	1216	1/2	1371
3/4	12	3/4	134	3/4	294	3/4	442	3/4	599	3/4	754	3/4	909	3/4	1064	3/4	1219	3/4	1374
1	13	1	137	1	297	1	445	1	602	1	757	1	912	1	1067	1	1222	1	1377
1/4	15	1/4	140	1/4	300	1/4	447	1/4	605	1/4	760	1/4	915	1/4	1070	1/4	1225	1/4	1380
1/2	17	1/2	144	1/2	304	1/2	450	1/2	608	1/2	763	1/2	918	1/2	1073	1/2	1228	1/2	1383
3/4	19	3/4	147	3/4	307	3/4	452	3/4	611	3/4	766	3/4	921	3/4	1076	3/4	1231	3/4	1386
1	20	1	150	1	311	1	455	1	614	1	769	1	924	1	1079	1	1234	1	1389
1/4	22	1/4	153	1/4	314	1/4	457	1/4	617	1/4	772	1/4	927	1/4	1082	1/4	1237	1/4	1392
1/2	24	1/2	156	1/2	317	1/2	460	1/2	620	1/2	775	1/2	930	1/2	1085	1/2	1240	1/2	1395
3/4	26	3/4	160	3/4	320	3/4	462	3/4	623	3/4	778	3/4	933	3/4	1088	3/4	1243	3/4	1398
1	28	1	163	1	324	1	465	1	626	1	781	1	936	1	1091	1	1246	1	1401
1/4	31	1/4	166	1/4	327	1/4	467	1/4	629	1/4	784	1/4	939	1/4	1094	1/4	1249	1/4	1404
1/2	33	1/2	169	1/2	330	1/2	469	1/2	632	1/2	787	1/2	942	1/2	1097	1/2	1252	1/2	1407
3/4	35	3/4	173	3/4	334	3/4	471	3/4	635	3/4	790	3/4	945	3/4	1100	3/4	1255	3/4	1410
1	37	1	176	1	337	1	474	1	638	1	793	1	948	1	1103	1	1258	1	1413
1/4	39	1/4	179	1/4	340	1/4	476	1/4	641	1/4	796	1/4	951	1/4	1106	1/4	1261	1/4	1416
1/2	42	1/2	183	1/2	343	1/2	478	1/2	644	1/2	799	1/2	954	1/2	1109	1/2	1264	1/2	1419
3/4	44	3/4	186	3/4	347	3/4	480	3/4	647	3/4	802	3/4	957	3/4	1112	3/4	1267	3/4	1422
1	46	1	189	1	350	1	482	1	650	1	805	1	960	1	1115	1	1270	1	1425
1/4	49	1/4	192	1/4	353	1/4	484	1/4	653	1/4	808	1/4	963	1/4	1118	1/4	1273	1/4	1428
1/2	51	1/2	196	1/2	356	1/2	486	1/2	656	1/2	811	1/2	966	1/2	1121	1/2	1276	1/2	1431
3/4	54	3/4	199	3/4	360	3/4	488	3/4	659	3/4	814	3/4	969	3/4	1124	3/4	1279	3/4	1434
1	56	1	202	1	363	1	489	1	662	1	817	1	972	1	1127	1	1282	1	1437
1/4	59	1/4	206	1/4	366	1/4	491	1/4	665	1/4	820	1/4	975	1/4	1130	1/4	1285	1/4	1440
1/2	62	1/2	209	1/2	369	1/2	493	1/2	668	1/2	823	1/2	978	1/2	1133	1/2	1288	1/2	1443
3/4	64	3/4	213	3/4	372	3/4	494	3/4	671	3/4	826	3/4	981	3/4	1136	3/4	1291	3/4	1446
1	67	1	216	1	375	1	496	1	674	1	829	1	984	1	1139	1	1294	1	1449
1/4	69	1/4	219	1/4	379	1/4	497	1/4	677	1/4	832	1/4	987	1/4	1142	1/4	1297	1/4	1452
1/2	72	1/2	223	1/2	382	1/2	499	1/2	680	1/2	835	1/2	990	1/2	1145	1/2	1300	1/2	1455
3/4	75	3/4	226	3/4	385	3/4	500	3/4	683	3/4	838	3/4	993	3/4	1148	3/4	1303	3/4	1458
1	78	1	229	1	388	1	502	1	686	1	841	1	996	1	1151	1	1306	1	1461
1/4	80	1/4	233	1/4	391	1/4	502	1/4	689	1/4	844	1/4	999	1/4	1154	1/4	1309	1/4	1464
1/2	83	1/2	236	1/2	394	1/2	502	1/2	692	1/2	847	1/2	1002	1/2	1157	1/2	1312	1/2	1467
3/4	86	3/4	240	3/4	397	3/4	502	3/4	695	3/4	850	3/4	1005	3/4	1160	3/4	1315	3/4	1470
1	89	1	243	1	400	1	502	1	698	1	853	1	1008	1	1163	1	1318	1	1473
1/4	92	1/4	246	1/4	403	1/4	502	1/4	701	1/4	856	1/4	1011	1/4	1166	1/4	1321	1/4	1476
1/2	95	1/2	250	1/2	406	1/2	502	1/2	704	1/2	859	1/2	1014	1/2	1169	1/2	1324	1/2	1479
3/4	98	3/4	253	3/4	409	3/4	502	3/4	707	3/4	862	3/4	1017	3/4	1172	3/4	1327	3/4	1482

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO 8" DIAMETER HATCH.

STRAPPED: 02/26/2013 CL

CALCULATED: 02/26/2013 CL

PRINTED: 02/26/2013 CL

CANCELS AND SUPERCEDES

ALL PRIOR TO 02/2013

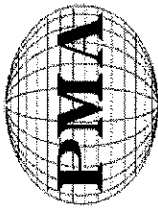
PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 314"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN
1 PORT	00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
1 STBD	00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
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 = 2'-00"
 AFT DRAFT = 6'-00"
 DIFF. = 4'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 2 PORT IS - 00-1/8"
 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"

February 26, 2013

PRECISION MEASUREMENT
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ULLAGE TABLE

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY:

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SHEET NO. 1 OF 12



BARGE JBC 314"

1 POR

ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
N	IN	N	IN	N	IN	N	IN	N	IN	N	IN	N	IN	N	IN	N	IN	N	IN
0	97,349	0	81,841	0	65,932	0	50,223	0	34,608	0	19,068	0	4,913	0	0	0	0	0	0
1/4	97,022	1/4	81,513	1/4	65,605	1/4	49,896	1/4	34,283	1/4	18,753	1/4	4,639	1/4	1/4	1/4	1/4	1/4	1/4
1/2	96,695	1/2	80,886	1/2	65,277	1/2	49,569	1/2	33,958	1/2	18,439	1/2	4,366	1/2	1/2	1/2	1/2	1/2	1/2
3/4	96,367	3/4	80,559	3/4	64,950	3/4	49,242	3/4	33,633	3/4	18,124	3/4	4,092	3/4	3/4	3/4	3/4	3/4	3/4
1	96,040	1	80,332	1	64,623	1	48,914	1	33,307	1	17,813	1	3,822	1	1	1	1	1	1
1/4	95,713	1/4	80,004	1/4	64,296	1/4	48,587	1/4	32,982	1/4	17,502	1/4	3,553	1/4	1/4	1/4	1/4	1/4	1/4
1/2	95,386	1/2	79,677	1/2	63,968	1/2	48,260	1/2	32,656	1/2	17,191	1/2	3,283	1/2	1/2	1/2	1/2	1/2	1/2
3/4	95,058	3/4	79,350	3/4	63,641	3/4	47,933	3/4	32,331	3/4	16,880	3/4	3,014	3/4	3/4	3/4	3/4	3/4	3/4
2	94,731	2	79,022	2	63,314	2	47,606	2	32,003	2	16,572	2	2,753	2	2	2	2	2	2
1/4	94,404	1/4	78,695	1/4	62,987	1/4	47,279	1/4	31,676	1/4	16,265	1/4	2,493	1/4	1/4	1/4	1/4	1/4	1/4
1/2	94,076	1/2	78,368	1/2	62,659	1/2	46,952	1/2	31,349	1/2	15,957	1/2	2,233	1/2	1/2	1/2	1/2	1/2	1/2
3/4	93,749	3/4	78,041	3/4	62,332	3/4	46,625	3/4	31,022	3/4	15,649	3/4	1,972	3/4	3/4	3/4	3/4	3/4	3/4
3	93,422	3	77,713	3	62,005	3	46,299	3	30,694	3	15,345	3	1,760	3	3	3	3	3	3
1/4	93,095	1/4	77,386	1/4	61,678	1/4	45,972	1/4	30,367	1/4	15,041	1/4	1,548	1/4	1/4	1/4	1/4	1/4	1/4
1/2	92,767	1/2	77,059	1/2	61,350	1/2	45,646	1/2	30,040	1/2	14,736	1/2	1,336	1/2	1/2	1/2	1/2	1/2	1/2
3/4	92,440	3/4	76,732	3/4	61,023	3/4	45,319	3/4	29,713	3/4	14,432	3/4	1,123	3/4	3/4	3/4	3/4	3/4	3/4
4	92,113	4	76,404	4	60,696	4	44,994	4	29,385	4	14,131	4	989	4	4	4	4	4	4
1/4	91,786	1/4	76,077	1/4	60,369	1/4	44,670	1/4	29,058	1/4	13,830	1/4	854	1/4	1/4	1/4	1/4	1/4	1/4
1/2	91,458	1/2	75,750	1/2	60,041	1/2	44,345	1/2	28,731	1/2	13,530	1/2	719	1/2	1/2	1/2	1/2	1/2	1/2
3/4	91,131	3/4	75,423	3/4	59,714	3/4	44,021	3/4	28,404	3/4	13,229	3/4	584	3/4	3/4	3/4	3/4	3/4	3/4
5	90,804	5	75,095	5	59,387	5	43,696	5	28,076	5	12,931	5	449	5	5	5	5	5	5
1/4	90,477	1/4	74,768	1/4	59,060	1/4	43,372	1/4	27,749	1/4	12,634	1/4	314	1/4	1/4	1/4	1/4	1/4	1/4
1/2	90,149	1/2	74,441	1/2	58,732	1/2	43,047	1/2	27,422	1/2	12,336	1/2	179	1/2	1/2	1/2	1/2	1/2	1/2
3/4	89,822	3/4	74,114	3/4	58,405	3/4	42,723	3/4	27,095	3/4	12,039	3/4	54	3/4	3/4	3/4	3/4	3/4	3/4
6	89,495	6	73,786	6	58,078	6	42,398	6	26,767	6	11,745	6	41	6	6	6	6	6	6
1/4	89,168	1/4	73,459	1/4	57,750	1/4	42,074	1/4	26,440	1/4	11,451	1/4	26	1/4	1/4	1/4	1/4	1/4	1/4
1/2	88,840	1/2	73,132	1/2	57,423	1/2	41,749	1/2	26,113	1/2	11,157	1/2	11	1/2	1/2	1/2	1/2	1/2	1/2
3/4	88,513	3/4	72,804	3/4	57,096	3/4	41,425	3/4	25,786	3/4	10,863	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4
7	88,186	7	72,477	7	56,769	7	41,100	7	25,459	7	10,572	7	0	7	7	7	7	7	7
1/4	87,859	1/4	72,150	1/4	56,441	1/4	40,776	1/4	25,133	1/4	10,281	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	87,531	1/2	71,823	1/2	56,114	1/2	40,451	1/2	24,807	1/2	9,991	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2
3/4	87,204	3/4	71,495	3/4	55,787	3/4	40,126	3/4	24,481	3/4	9,700	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4
8	86,877	8	71,168	8	55,460	8	39,802	8	24,152	8	9,413	8	0	8	8	8	8	8	8
1/4	86,549	1/4	70,841	1/4	55,132	1/4	39,477	1/4	23,844	1/4	9,126	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	86,222	1/2	70,514	1/2	54,805	1/2	39,153	1/2	23,526	1/2	8,838	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2
3/4	85,895	3/4	70,186	3/4	54,478	3/4	38,828	3/4	23,207	3/4	8,551	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4
9	85,568	9	69,859	9	54,151	9	38,504	9	22,890	9	8,267	9	0	9	9	9	9	9	9
1/4	85,240	1/4	69,532	1/4	53,823	1/4	38,179	1/4	22,573	1/4	7,983	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	84,913	1/2	69,205	1/2	53,496	1/2	37,855	1/2	22,256	1/2	7,700	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2
3/4	84,586	3/4	68,877	3/4	53,169	3/4	37,530	3/4	21,939	3/4	7,416	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4
10	84,259	10	68,550	10	52,842	10	37,206	10	21,617	10	7,135	10	0	10	10	10	10	10	10
1/4	83,931	1/4	68,223	1/4	52,514	1/4	36,881	1/4	21,296	1/4	6,855	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	83,604	1/2	67,896	1/2	52,187	1/2	36,557	1/2	20,975	1/2	6,575	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2
3/4	83,277	3/4	67,568	3/4	51,860	3/4	36,232	3/4	20,654	3/4	6,294	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4
11	82,950	11	67,241	11	51,533	11	35,907	11	20,336	11	6,017	11	0	11	11	11	11	11	11
1/4	82,622	1/4	66,914	1/4	51,205	1/4	35,583	1/4	20,018	1/4	5,740	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	82,295	1/2	66,587	1/2	50,878	1/2	35,258	1/2	19,700	1/2	5,463	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2
3/4	81,968	3/4	66,259	3/4	50,551	3/4	34,934	3/4	19,382	3/4	5,186	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/26/2013 CL
CALCULATED: 02/26/2013 CL
PRINTED: 02/26/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

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

Paul J. ...

ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

[illegible]

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

Gauge Point: (MMC) Located 11'-00" Off Centerline and 43'-06" Forward of Aft Bulkhead.

**PRECISION MEASUREMENT
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Pearland, Texas 77588

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[Signature]



BARGE JBC 314"

1 STBL

ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 3/4"

	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.
0	97,410	81,702	65,993	50,284	34,614	19,067	0	4,912	0	0
1/4	97,083	81,374	65,666	49,957	34,287	18,753	1/4	4,639	1/4	1/4
1/2	96,756	81,047	65,338	49,630	33,961	18,438	1/2	4,365	1/2	1/2
3/4	96,428	80,720	65,011	49,303	33,634	18,124	3/4	4,092	3/4	3/4
1	96,101	80,392	64,684	48,975	33,307	17,813	1	3,822	1	1
1/4	95,774	80,065	64,357	48,648	32,980	17,502	1/4	3,553	1/4	1/4
1/2	95,446	79,738	64,029	48,321	32,654	17,191	1/2	3,283	1/2	1/2
3/4	95,119	79,411	63,702	47,994	32,327	16,880	3/4	3,013	3/4	3/4
2	94,792	79,083	63,375	47,667	32,000	16,572	2	2,753	2	2
1/4	94,465	78,756	63,048	47,340	31,673	16,264	1/4	2,493	1/4	1/4
1/2	94,137	78,429	62,720	47,013	31,346	15,957	1/2	2,233	1/2	1/2
3/4	93,810	78,102	62,393	46,686	31,020	15,649	3/4	1,972	3/4	3/4
3	93,483	77,774	62,066	46,359	30,693	15,345	3	1,760	3	3
1/4	93,156	77,447	61,739	46,032	30,366	15,040	1/4	1,548	1/4	1/4
1/2	92,828	77,120	61,411	45,706	30,039	14,736	1/2	1,336	1/2	1/2
3/4	92,501	76,793	61,084	45,379	29,712	14,432	3/4	1,123	3/4	3/4
4	92,174	76,465	60,757	45,052	29,385	14,131	4	989	4	4
1/4	91,847	76,138	60,430	44,726	29,058	13,830	1/4	854	1/4	1/4
1/2	91,519	75,811	60,102	44,399	28,731	13,529	1/2	719	1/2	1/2
3/4	91,192	75,484	59,775	44,073	28,403	13,228	3/4	584	3/4	3/4
5	90,865	75,156	59,448	43,746	28,076	12,931	5	449	5	5
1/4	90,538	74,829	59,120	43,420	27,749	12,634	1/4	314	1/4	1/4
1/2	90,210	74,502	58,793	43,093	27,421	12,336	1/2	180	1/2	1/2
3/4	89,883	74,175	58,466	42,767	27,094	12,039	3/4	50	3/4	3/4
6	89,556	73,847	58,139	42,441	26,767	11,745	6	15	6	6
1/4	89,229	73,520	57,811	42,115	26,440	11,451	1/4	0	1/4	1/4
1/2	88,901	73,193	57,484	41,789	26,112	11,156	1/2	0	1/2	1/2
3/4	88,574	72,866	57,157	41,463	25,785	10,862	3/4	0	3/4	3/4
7	88,247	72,538	56,830	41,137	25,459	10,572	7	0	7	7
1/4	87,919	72,211	56,502	40,811	25,133	10,281	1/4	0	1/4	1/4
1/2	87,592	71,884	56,175	40,484	24,807	9,991	1/2	0	1/2	1/2
3/4	87,265	71,556	55,848	40,158	24,481	9,700	3/4	0	3/4	3/4
8	86,938	71,229	55,521	39,832	24,152	9,413	8	0	8	8
1/4	86,610	70,902	55,193	39,506	23,844	9,125	1/4	0	1/4	1/4
1/2	86,283	70,575	54,866	39,180	23,525	8,838	1/2	0	1/2	1/2
3/4	85,956	70,247	54,539	38,854	23,207	8,551	3/4	0	3/4	3/4
9	85,629	69,920	54,212	38,528	22,890	8,267	9	0	9	9
1/4	85,301	69,593	53,884	38,202	22,573	7,983	1/4	0	1/4	1/4
1/2	84,974	69,266	53,557	37,876	22,256	7,699	1/2	0	1/2	1/2
3/4	84,647	68,938	53,230	37,550	21,938	7,416	3/4	0	3/4	3/4
10	84,320	68,611	52,903	37,224	21,617	7,135	10	0	10	10
1/4	83,992	68,284	52,575	36,898	21,296	6,855	1/4	0	1/4	1/4
1/2	83,665	67,957	52,248	36,572	20,975	6,574	1/2	0	1/2	1/2
3/4	83,338	67,629	51,921	36,246	20,653	6,294	3/4	0	3/4	3/4
11	83,011	67,302	51,593	35,919	20,335	6,017	11	0	11	11
1/4	82,683	66,975	51,266	35,593	20,018	5,740	1/4	0	1/4	1/4
1/2	82,356	66,647	50,939	35,267	19,700	5,463	1/2	0	1/2	1/2
3/4	82,029	66,320	50,612	34,941	19,382	5,186	3/4	0	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/26/2013 CL
CALCULATED: 02/26/2013 CL
PRINTED: 02/26/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

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



BARGE JBC 314"

2 POR.
ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
N	0 FT.	N	1 FT.	N	2 FT.	N	3 FT.	N	4 FT.	N	5 FT.	N	6 FT.	N	7 FT.	N	8 FT.	N	9 FT.
0	0	0	0	0	0	0	202,008	0	186,949	0	171,891	0	156,763	0	141,617	0	126,471	0	111,321
1/4	1/4	1/4	1/4	1/4	1/4	1/4	201,694	1/4	186,636	1/4	171,578	1/4	156,447	1/4	141,302	1/4	126,155	1/4	111,006
1/2	1/2	1/2	1/2	1/2	1/2	1/2	201,380	1/2	186,322	1/2	171,264	1/2	156,132	1/2	140,986	1/2	125,839	1/2	110,690
3/4	3/4	3/4	3/4	3/4	3/4	3/4	201,066	3/4	186,008	3/4	170,950	3/4	155,816	3/4	140,671	3/4	125,524	3/4	110,374
1	1	1	1	1	1	1	200,753	1	185,695	1	170,636	1	155,501	1	140,355	1	125,208	1	110,069
1/4	1/4	1/4	1/4	1/4	1/4	1/4	200,439	1/4	185,381	1/4	170,323	1/4	155,185	1/4	140,040	1/4	124,993	1/4	109,743
1/2	1/2	1/2	1/2	1/2	1/2	1/2	200,125	1/2	185,067	1/2	170,009	1/2	154,870	1/2	139,724	1/2	124,677	1/2	109,428
3/4	3/4	3/4	3/4	3/4	3/4	3/4	199,812	3/4	184,753	3/4	169,695	3/4	154,554	3/4	139,408	3/4	124,261	3/4	109,112
2	2	2	2	2	2	2	199,498	2	184,440	2	169,381	2	154,239	2	139,093	2	123,946	2	108,796
1/4	1/4	1/4	1/4	1/4	1/4	1/4	199,184	1/4	184,126	1/4	169,067	1/4	153,923	1/4	138,777	1/4	123,630	1/4	108,481
1/2	1/2	1/2	1/2	1/2	1/2	1/2	198,870	1/2	183,812	1/2	168,753	1/2	153,608	1/2	138,452	1/2	123,315	1/2	108,165
3/4	3/4	3/4	3/4	3/4	3/4	3/4	198,557	3/4	183,499	3/4	168,438	3/4	153,292	3/4	138,146	3/4	122,999	3/4	107,849
3	3	3	3	3	3	3	198,243	3	183,185	3	168,122	3	152,976	3	137,831	3	122,683	3	107,534
1/4	1/4	1/4	1/4	1/4	1/4	1/4	197,929	1/4	182,871	1/4	167,807	1/4	152,661	1/4	137,515	1/4	122,368	1/4	107,218
1/2	1/2	1/2	1/2	1/2	1/2	1/2	197,616	1/2	182,557	1/2	167,491	1/2	152,345	1/2	137,200	1/2	122,052	1/2	106,903
3/4	3/4	3/4	3/4	3/4	3/4	3/4	197,302	3/4	182,244	3/4	167,176	3/4	152,030	3/4	136,884	3/4	121,736	3/4	106,587
4	4	4	4	4	4	4	196,988	4	181,930	4	166,860	4	151,714	4	136,569	4	121,421	4	106,271
1/4	1/4	1/4	1/4	1/4	1/4	1/4	196,675	1/4	181,616	1/4	166,544	1/4	151,399	1/4	136,253	1/4	121,105	1/4	105,956
1/2	1/2	1/2	1/2	1/2	1/2	1/2	196,361	1/2	181,303	1/2	166,229	1/2	151,083	1/2	135,938	1/2	120,790	1/2	105,640
3/4	3/4	3/4	3/4	3/4	3/4	3/4	196,047	3/4	180,989	3/4	165,913	3/4	150,768	3/4	135,622	3/4	120,474	3/4	105,325
5	5	5	5	5	5	5	195,733	5	180,675	5	165,598	5	150,452	5	135,306	5	120,158	5	105,009
1/4	1/4	1/4	1/4	1/4	1/4	1/4	195,420	1/4	180,361	1/4	165,282	1/4	150,137	1/4	134,991	1/4	119,843	1/4	104,693
1/2	1/2	1/2	1/2	1/2	1/2	1/2	195,106	1/2	180,048	1/2	164,967	1/2	149,821	1/2	134,675	1/2	119,527	1/2	104,378
3/4	3/4	3/4	3/4	3/4	3/4	3/4	194,792	3/4	179,734	3/4	164,651	3/4	149,506	3/4	134,360	3/4	119,212	3/4	104,062
6	6	6	6	6	6	6	194,479	6	179,420	6	164,336	6	149,190	6	134,044	6	118,896	6	103,746
1/4	1/4	1/4	1/4	1/4	1/4	1/4	194,165	1/4	179,107	1/4	164,020	1/4	148,874	1/4	133,729	1/4	118,580	1/4	103,431
1/2	1/2	1/2	1/2	1/2	1/2	1/2	193,851	1/2	178,793	1/2	163,705	1/2	148,559	1/2	133,413	1/2	118,265	1/2	103,115
3/4	3/4	3/4	3/4	3/4	3/4	3/4	193,537	3/4	178,479	3/4	163,389	3/4	148,243	3/4	133,098	3/4	117,949	3/4	102,800
7	7	7	7	7	7	7	193,224	7	178,166	7	163,074	7	147,928	7	132,782	7	117,633	7	102,484
1/4	1/4	1/4	1/4	1/4	1/4	1/4	192,910	1/4	177,852	1/4	162,758	1/4	147,612	1/4	132,467	1/4	117,318	1/4	102,168
1/2	1/2	1/2	1/2	1/2	1/2	1/2	192,596	1/2	177,538	1/2	162,443	1/2	147,297	1/2	132,151	1/2	117,002	1/2	101,853
3/4	3/4	3/4	3/4	3/4	3/4	3/4	192,283	3/4	177,224	3/4	162,127	3/4	146,981	3/4	131,836	3/4	116,687	3/4	101,537
8	8	8	8	8	8	8	191,969	8	176,911	8	161,811	8	146,666	8	131,520	8	116,371	8	101,222
1/4	1/4	1/4	1/4	1/4	1/4	1/4	191,655	1/4	176,597	1/4	161,496	1/4	146,350	1/4	131,205	1/4	116,055	1/4	100,906
1/2	1/2	1/2	1/2	1/2	1/2	1/2	191,341	1/2	176,283	1/2	161,180	1/2	146,035	1/2	130,889	1/2	115,740	1/2	100,590
3/4	3/4	3/4	3/4	3/4	3/4	3/4	191,028	3/4	175,970	3/4	160,865	3/4	145,719	3/4	130,573	3/4	115,424	3/4	100,275
9	9	9	9	9	9	9	190,714	9	175,656	9	160,549	9	145,404	9	130,268	9	115,109	9	99,959
1/4	1/4	1/4	1/4	1/4	1/4	1/4	190,400	1/4	175,342	1/4	160,234	1/4	145,088	1/4	129,942	1/4	114,793	1/4	99,644
1/2	1/2	1/2	1/2	1/2	1/2	1/2	190,087	1/2	175,028	1/2	159,918	1/2	144,773	1/2	129,627	1/2	114,477	1/2	99,328
3/4	3/4	3/4	3/4	3/4	3/4	3/4	189,773	3/4	174,715	3/4	159,603	3/4	144,457	3/4	129,311	3/4	114,162	3/4	99,012
10	10	10	10	10	10	10	189,459	10	174,401	10	159,287	10	144,141	10	128,996	10	113,846	10	98,697
1/4	1/4	1/4	1/4	1/4	1/4	1/4	189,145	1/4	174,087	1/4	158,972	1/4	143,826	1/4	128,680	1/4	113,531	1/4	98,381
1/2	1/2	1/2	1/2	1/2	1/2	1/2	188,832	1/2	173,774	1/2	158,656	1/2	143,510	1/2	128,364	1/2	113,215	1/2	98,065
3/4	3/4	3/4	3/4	3/4	3/4	3/4	188,518	3/4	173,460	3/4	158,341	3/4	143,195	3/4	128,049	3/4	112,899	3/4	97,750
11	11	11	11	11	11	11	188,204	11	173,146	11	158,025	11	142,879	11	127,733	11	112,584	11	97,434
1/4	1/4	1/4	1/4	1/4	1/4	1/4	187,891	1/4	172,832	1/4	157,709	1/4	142,564	1/4	127,417	1/4	112,268	1/4	97,119
1/2	1/2	1/2	1/2	1/2	1/2	1/2	187,577	1/2	172,519	1/2	157,394	1/2	142,248	1/2	127,102	1/2	111,952	1/2	96,803
3/4	3/4	3/4	3/4	3/4	3/4	3/4	187,263	3/4	172,205	3/4	157,078	3/4	141,933	3/4	126,786	3/4	111,637	3/4	96,487

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 77586

http://www.pmacorp.net



BARGE CBC 314"

2 POR. ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	96,172	0	81,022	0	65,873	0	50,723	0	35,573	0	20,424	0	5,274	0	0	0	0	0	0
1/4	95,856	1/4	80,707	1/4	65,557	1/4	50,408	1/4	35,258	1/4	19,106	1/4	3,956	1/4	1/4	1/4	1/4	1/4	1/4
1/2	95,541	1/2	80,391	1/2	65,242	1/2	50,092	1/2	34,943	1/2	18,791	1/2	3,641	1/2	1/2	1/2	1/2	1/2	1/2
3/4	95,225	3/4	80,075	3/4	64,926	3/4	49,777	3/4	34,628	3/4	18,475	3/4	3,325	3/4	3/4	3/4	3/4	3/4	3/4
1	94,909	1	79,760	1	64,610	1	49,463	1	34,313	1	18,160	1	3,010	1	1	1	1	1	1
1/4	94,594	1/4	79,444	1/4	64,295	1/4	49,148	1/4	33,998	1/4	17,844	1/4	2,695	1/4	1/4	1/4	1/4	1/4	1/4
1/2	94,278	1/2	79,129	1/2	63,979	1/2	48,833	1/2	33,683	1/2	17,528	1/2	2,380	1/2	1/2	1/2	1/2	1/2	1/2
3/4	93,962	3/4	78,813	3/4	63,664	3/4	48,518	3/4	33,368	3/4	17,213	3/4	2,065	3/4	3/4	3/4	3/4	3/4	3/4
2	93,647	2	78,497	2	63,348	2	48,203	2	33,053	2	16,897	2	1,750	2	2	2	2	2	2
1/4	93,331	1/4	78,182	1/4	63,032	1/4	47,888	1/4	32,738	1/4	16,582	1/4	1,435	1/4	1/4	1/4	1/4	1/4	1/4
1/2	93,016	1/2	77,866	1/2	62,717	1/2	47,573	1/2	32,423	1/2	16,266	1/2	1,120	1/2	1/2	1/2	1/2	1/2	1/2
3/4	92,700	3/4	77,551	3/4	62,401	3/4	47,258	3/4	32,108	3/4	15,950	3/4	805	3/4	3/4	3/4	3/4	3/4	3/4
3	92,384	3	77,235	3	62,086	3	46,943	3	31,793	3	15,635	3	490	3	3	3	3	3	3
1/4	92,069	1/4	76,919	1/4	61,770	1/4	46,628	1/4	31,478	1/4	15,319	1/4	168	1/4	1/4	1/4	1/4	1/4	1/4
1/2	91,753	1/2	76,604	1/2	61,454	1/2	46,313	1/2	31,163	1/2	15,004	1/2	137	1/2	1/2	1/2	1/2	1/2	1/2
3/4	91,438	3/4	76,288	3/4	61,139	3/4	46,000	3/4	30,848	3/4	14,688	3/4	22	3/4	3/4	3/4	3/4	3/4	3/4
4	91,122	4	75,973	4	60,823	4	45,685	4	30,533	4	14,372	4	907	4	4	4	4	4	4
1/4	90,806	1/4	75,657	1/4	60,507	1/4	45,370	1/4	30,218	1/4	14,057	1/4	592	1/4	1/4	1/4	1/4	1/4	1/4
1/2	90,491	1/2	75,341	1/2	60,192	1/2	45,055	1/2	29,903	1/2	13,741	1/2	277	1/2	1/2	1/2	1/2	1/2	1/2
3/4	90,175	3/4	75,026	3/4	59,876	3/4	44,740	3/4	29,588	3/4	13,426	3/4	162	3/4	3/4	3/4	3/4	3/4	3/4
5	89,860	5	74,710	5	59,561	5	44,425	5	29,273	5	13,110	5	5	5	5	5	5	5	5
1/4	89,544	1/4	74,394	1/4	59,245	1/4	44,110	1/4	28,958	1/4	12,794	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4
1/2	89,228	1/2	74,079	1/2	58,929	1/2	43,795	1/2	28,643	1/2	12,479	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2
3/4	88,913	3/4	73,763	3/4	58,614	3/4	43,480	3/4	28,328	3/4	12,163	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4
6	88,597	6	73,448	6	58,298	6	43,165	6	28,013	6	11,848	6	1	6	6	6	6	6	6
1/4	88,281	1/4	73,132	1/4	57,983	1/4	42,850	1/4	27,698	1/4	11,532	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4
1/2	87,966	1/2	72,816	1/2	57,667	1/2	42,535	1/2	27,383	1/2	11,216	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2
3/4	87,650	3/4	72,501	3/4	57,351	3/4	42,220	3/4	27,068	3/4	10,901	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4
7	87,335	7	72,185	7	57,036	7	41,905	7	26,753	7	10,585	7	1	7	7	7	7	7	7
1/4	87,019	1/4	71,870	1/4	56,720	1/4	41,590	1/4	26,438	1/4	10,270	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4
1/2	86,703	1/2	71,554	1/2	56,404	1/2	41,275	1/2	26,123	1/2	9,954	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2
3/4	86,388	3/4	71,238	3/4	56,089	3/4	40,960	3/4	25,808	3/4	9,638	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4
8	86,072	8	70,923	8	55,773	8	40,645	8	25,493	8	9,323	8	1	8	8	8	8	8	8
1/4	85,757	1/4	70,607	1/4	55,458	1/4	40,330	1/4	25,178	1/4	9,007	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4
1/2	85,441	1/2	70,291	1/2	55,142	1/2	40,015	1/2	24,863	1/2	8,692	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2
3/4	85,125	3/4	69,976	3/4	54,826	3/4	39,700	3/4	24,548	3/4	8,376	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4
9	84,810	9	69,660	9	54,511	9	39,385	9	24,233	9	8,060	9	1	9	9	9	9	9	9
1/4	84,494	1/4	69,345	1/4	54,195	1/4	39,070	1/4	23,918	1/4	7,745	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4
1/2	84,178	1/2	69,029	1/2	53,880	1/2	38,755	1/2	23,603	1/2	7,429	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2
3/4	83,863	3/4	68,713	3/4	53,564	3/4	38,440	3/4	23,288	3/4	7,114	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4
10	83,547	10	68,398	10	53,248	10	38,125	10	22,973	10	6,800	10	1	10	10	10	10	10	10
1/4	83,232	1/4	68,082	1/4	52,933	1/4	37,810	1/4	22,658	1/4	6,485	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4
1/2	82,916	1/2	67,767	1/2	52,617	1/2	37,495	1/2	22,343	1/2	6,169	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,600	3/4	67,451	3/4	52,302	3/4	37,180	3/4	22,028	3/4	5,854	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4
11	82,285	11	67,135	11	51,986	11	36,865	11	21,713	11	5,538	11	1	11	11	11	11	11	11
1/4	81,969	1/4	66,820	1/4	51,671	1/4	36,550	1/4	21,398	1/4	5,223	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4
1/2	81,654	1/2	66,504	1/2	51,355	1/2	36,235	1/2	21,083	1/2	4,908	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2
3/4	81,338	3/4	66,188	3/4	51,039	3/4	35,920	3/4	20,768	3/4	4,593	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/26/2013 CL
CALCULATED: 02/26/2013 CL
PRINTED: 02/26/2013 CL
CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

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

Signature



BARGE JBC 314"

2 STBL

ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

0 FT.			1 FT.			2 FT.			3 FT.			4 FT.			5 FT.			6 FT.			7 FT.			8 FT.			9 FT.		
IN			IN			IN			IN			IN			IN			IN			IN			IN			IN		
0		0	0		0	0		0	202,028	0	186,963	0	171,897	0	156,761	0	141,608	0	126,454	0	111,297								
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	201,714	1/4	186,649	1/4	171,583	1/4	156,446	1/4	141,292	1/4	126,138	1/4	110,981								
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	201,401	1/2	186,335	1/2	171,269	1/2	156,130	1/2	140,977	1/2	125,823	1/2	110,666								
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	201,087	3/4	186,021	3/4	170,955	3/4	155,814	3/4	140,661	3/4	125,507	3/4	110,350								
1	1	1	1	1	1	1	1	1	200,773	1	185,707	1	170,642	1	155,498	1	140,345	1	125,191	1	110,034								
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	200,459	1/4	185,393	1/4	170,328	1/4	155,183	1/4	140,030	1/4	124,875	1/4	109,718								
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	200,145	1/2	185,079	1/2	170,014	1/2	154,867	1/2	139,714	1/2	124,559	1/2	109,403								
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	199,831	3/4	184,766	3/4	169,700	3/4	154,551	3/4	139,398	3/4	124,244	3/4	109,087								
2	2	2	2	2	2	2	2	2	199,517	2	184,452	2	169,386	2	154,236	2	139,083	2	123,928	2	108,771								
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	199,203	1/4	184,138	1/4	169,072	1/4	153,920	1/4	138,767	1/4	123,612	1/4	108,455								
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	198,890	1/2	183,824	1/2	168,757	1/2	153,604	1/2	138,451	1/2	123,296	1/2	108,139								
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	198,576	3/4	183,510	3/4	168,442	3/4	153,289	3/4	138,135	3/4	122,981	3/4	107,824								
3	3	3	3	3	3	3	3	3	198,262	3	183,196	3	168,126	3	152,973	3	137,820	3	122,665	3	107,508								
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	197,948	1/4	182,882	1/4	167,810	1/4	152,657	1/4	137,504	1/4	122,349	1/4	107,192								
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	197,634	1/2	182,569	1/2	167,495	1/2	152,342	1/2	137,188	1/2	122,033	1/2	106,876								
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	197,320	3/4	182,255	3/4	167,179	3/4	152,026	3/4	136,873	3/4	121,718	3/4	106,561								
4	4	4	4	4	4	4	4	4	197,006	4	181,941	4	166,863	4	151,710	4	136,557	4	121,402	4	106,245								
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	196,693	1/4	181,627	1/4	166,548	1/4	151,394	1/4	136,241	1/4	121,086	1/4	105,929								
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	196,379	1/2	181,313	1/2	166,232	1/2	151,079	1/2	135,926	1/2	120,770	1/2	105,613								
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	196,065	3/4	180,999	3/4	165,916	3/4	150,763	3/4	135,610	3/4	120,454	3/4	105,298								
5	5	5	5	5	5	5	5	5	195,751	5	180,685	5	165,601	5	150,447	5	135,294	5	120,139	5	104,986								
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	195,437	1/4	180,371	1/4	165,285	1/4	150,132	1/4	134,979	1/4	119,823	1/4	104,666								
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	195,123	1/2	180,058	1/2	164,969	1/2	149,816	1/2	134,663	1/2	119,507	1/2	104,350								
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	194,809	3/4	179,740	3/4	164,653	3/4	149,500	3/4	134,347	3/4	119,191	3/4	104,035								
6	6	6	6	6	6	6	6	6	194,495	6	179,430	6	164,338	6	149,185	6	134,031	6	118,876	6	103,719								
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	194,182	1/4	179,116	1/4	164,022	1/4	148,869	1/4	133,716	1/4	118,560	1/4	103,403								
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	193,868	1/2	178,802	1/2	163,706	1/2	148,553	1/2	133,403	1/2	118,244	1/2	103,087								
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	193,554	3/4	178,488	3/4	163,391	3/4	148,238	3/4	133,084	3/4	117,928	3/4	102,771								
7	7	7	7	7	7	7	7	7	193,240	7	178,174	7	163,075	7	147,922	7	132,769	7	117,613	7	102,456								
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	192,926	1/4	177,861	1/4	162,759	1/4	147,606	1/4	132,453	1/4	117,297	1/4	102,140								
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	192,612	1/2	177,547	1/2	162,444	1/2	147,290	1/2	132,137	1/2	116,981	1/2	101,824								
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	192,298	3/4	177,233	3/4	162,128	3/4	146,975	3/4	131,822	3/4	116,665	3/4	101,508								
8	8	8	8	8	8	8	8	8	191,985	8	176,919	8	161,812	8	146,659	8	131,506	8	116,349	8	101,193								
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	191,671	1/4	176,605	1/4	161,497	1/4	146,343	1/4	131,190	1/4	116,034	1/4	100,877								
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	191,357	1/2	176,291	1/2	161,181	1/2	146,028	1/2	130,875	1/2	115,718	1/2	100,561								
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	191,043	3/4	175,977	3/4	160,865	3/4	145,712	3/4	130,559	3/4	115,402	3/4	100,245								
9	9	9	9	9	9	9	9	9	190,729	9	175,663	9	160,550	9	145,396	9	130,243	9	115,086	9	99,930								
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	190,415	1/4	175,350	1/4	160,234	1/4	145,081	1/4	129,927	1/4	114,771	1/4	99,614								
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	190,101	1/2	175,036	1/2	159,918	1/2	144,765	1/2	129,612	1/2	114,455	1/2	99,298								
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	189,787	3/4	174,722	3/4	159,602	3/4	144,449	3/4	129,296	3/4	114,139	3/4	98,982								
10	10	10	10	10	10	10	10	10	189,474	10	174,408	10	159,287	10	144,134	10	128,980	10	113,823	10	98,666								
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	189,160	1/4	174,094	1/4	158,971	1/4	143,818	1/4	128,664	1/4	113,508	1/4	98,351								
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	188,846	1/2	173,780	1/2	158,655	1/2	143,502	1/2	128,349	1/2	113,192	1/2	98,035								
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	188,532	3/4	173,466	3/4	158,340	3/4	143,187	3/4	128,033	3/4	112,876	3/4	97,719								
11	11	11	11	11	11	11	11	11	188,218	11	173,153	11	158,024	11	142,871	11	127,717	11	112,560	11	97,403								
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	187,904	1/4	172,839	1/4	157,708	1/4	142,555	1/4	127,401	1/4	112,244	1/4	97,088								
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	187,590	1/2	172,525	1/2	157,393	1/2	142,239	1/2	127,086	1/2	111,929	1/2	96,772								
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	187,277	3/4	172,211	3/4	157,077	3/4	141,924	3/4	126,770	3/4	111,613	3/4	96,456								

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

[Signature



BARGE CBC 314"

2 STBL

ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	96,140	0	80,983	0	65,826	0	50,670	0	35,514	0	20,357	0	5,538	0		0			
1/4	95,825	1/4	80,668	1/4	65,511	1/4	50,354	1/4	35,200	1/4	20,042	1/4	5,223	1/4	1/4	1/4	1/4	1/4	1/4
1/2	95,509	1/2	80,352	1/2	65,195	1/2	50,038	1/2	34,886	1/2	19,729	1/2	4,907	1/2	1/2	1/2	1/2	1/2	1/2
3/4	95,193	3/4	80,036	3/4	64,879	3/4	49,723	3/4	34,571	3/4	19,414	3/4	4,592	3/4	3/4	3/4	3/4	3/4	3/4
1	94,877	1	79,720	1	64,563	1	49,407	1	34,255	1	19,100	1	4,277	1	1	1	1	1	1
1/4	94,561	1/4	79,405	1/4	64,248	1/4	49,091	1/4	33,939	1/4	18,785	1/4	3,962	1/4	1/4	1/4	1/4	1/4	1/4
1/2	94,246	1/2	79,089	1/2	63,932	1/2	48,776	1/2	33,624	1/2	18,470	1/2	3,646	1/2	1/2	1/2	1/2	1/2	1/2
3/4	93,930	3/4	78,773	3/4	63,616	3/4	48,462	3/4	33,308	3/4	18,155	3/4	3,331	3/4	3/4	3/4	3/4	3/4	3/4
2	93,614	2	78,457	2	63,300	2	48,148	2	32,992	2	17,840	2	3,015	2	2	2	2	2	2
1/4	93,298	1/4	78,141	1/4	62,985	1/4	47,834	1/4	32,676	1/4	17,525	1/4	2,700	1/4	1/4	1/4	1/4	1/4	1/4
1/2	92,983	1/2	77,826	1/2	62,669	1/2	47,520	1/2	32,360	1/2	17,210	1/2	2,384	1/2	1/2	1/2	1/2	1/2	1/2
3/4	92,667	3/4	77,510	3/4	62,353	3/4	47,207	3/4	32,044	3/4	16,895	3/4	2,069	3/4	3/4	3/4	3/4	3/4	3/4
3	92,351	3	77,194	3	62,037	3	46,894	3	31,728	3	16,580	3	1,753	3	3	3	3	3	3
1/4	92,035	1/4	76,878	1/4	61,722	1/4	46,581	1/4	31,412	1/4	16,265	1/4	1,438	1/4	1/4	1/4	1/4	1/4	1/4
1/2	91,720	1/2	76,563	1/2	61,406	1/2	46,268	1/2	31,100	1/2	15,950	1/2	1,122	1/2	1/2	1/2	1/2	1/2	1/2
3/4	91,404	3/4	76,247	3/4	61,090	3/4	45,961	3/4	30,784	3/4	15,635	3/4	807	3/4	3/4	3/4	3/4	3/4	3/4
4	91,088	4	75,931	4	60,774	4	45,653	4	30,468	4	15,320	4	491	4	4	4	4	4	4
1/4	90,772	1/4	75,615	1/4	60,458	1/4	45,346	1/4	30,152	1/4	15,005	1/4	170	1/4	1/4	1/4	1/4	1/4	1/4
1/2	90,456	1/2	75,300	1/2	60,143	1/2	45,038	1/2	29,836	1/2	14,690	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	90,141	3/4	74,984	3/4	59,827	3/4	44,730	3/4	29,520	3/4	14,375	3/4		3/4	3/4	3/4	3/4	3/4	3/4
5	89,825	5	74,668	5	59,511	5	44,423	5	29,204	5	14,060	5		5	5	5	5	5	5
1/4	89,509	1/4	74,352	1/4	59,195	1/4	44,115	1/4	28,888	1/4	13,745	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	89,193	1/2	74,036	1/2	58,880	1/2	43,808	1/2	28,572	1/2	13,430	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	88,878	3/4	73,721	3/4	58,564	3/4	43,500	3/4	28,256	3/4	13,115	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	88,562	6	73,405	6	58,248	6	43,193	6	27,940	6	12,800	6		6	6	6	6	6	6
1/4	88,246	1/4	73,089	1/4	57,932	1/4	42,885	1/4	27,624	1/4	12,485	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	87,930	1/2	72,773	1/2	57,617	1/2	42,578	1/2	27,308	1/2	12,170	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	87,615	3/4	72,458	3/4	57,301	3/4	42,270	3/4	27,000	3/4	11,855	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	87,299	7	72,142	7	56,985	7	41,963	7	26,684	7	11,540	7		7	7	7	7	7	7
1/4	86,983	1/4	71,826	1/4	56,669	1/4	41,655	1/4	26,368	1/4	11,225	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	86,667	1/2	71,510	1/2	56,353	1/2	41,347	1/2	26,052	1/2	10,910	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	86,351	3/4	71,195	3/4	56,038	3/4	41,040	3/4	25,736	3/4	10,595	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	86,036	8	70,879	8	55,722	8	40,732	8	25,420	8	10,280	8		8	8	8	8	8	8
1/4	85,720	1/4	70,563	1/4	55,406	1/4	40,425	1/4	25,104	1/4	9,965	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	85,404	1/2	70,247	1/2	55,090	1/2	40,117	1/2	24,788	1/2	9,650	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	85,088	3/4	69,931	3/4	54,775	3/4	39,810	3/4	24,472	3/4	9,335	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	84,773	9	69,616	9	54,459	9	39,502	9	24,156	9	9,020	9		9	9	9	9	9	9
1/4	84,457	1/4	69,300	1/4	54,143	1/4	39,195	1/4	23,840	1/4	8,705	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	84,141	1/2	68,984	1/2	53,827	1/2	38,887	1/2	23,524	1/2	8,390	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	83,825	3/4	68,668	3/4	53,512	3/4	38,580	3/4	23,208	3/4	8,075	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	83,510	10	68,353	10	53,196	10	38,272	10	22,892	10	7,760	10		10	10	10	10	10	10
1/4	83,194	1/4	68,037	1/4	52,880	1/4	37,964	1/4	22,576	1/4	7,445	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	82,878	1/2	67,721	1/2	52,564	1/2	37,657	1/2	22,260	1/2	7,130	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,562	3/4	67,405	3/4	52,248	3/4	37,349	3/4	21,944	3/4	6,815	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	82,246	11	67,090	11	51,933	11	37,042	11	21,628	11	6,500	11		11	11	11	11	11	11
1/4	81,931	1/4	66,774	1/4	51,617	1/4	36,734	1/4	21,312	1/4	6,185	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	81,615	1/2	66,458	1/2	51,301	1/2	36,426	1/2	21,000	1/2	5,870	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	81,299	3/4	66,142	3/4	50,985	3/4	36,118	3/4	20,684	3/4	5,555	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/26/2013 CL
CALCULATED: 02/26/2013 CL
PRINTED: 02/26/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

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

Signature



GAUGE HEIGHT 16'-04"

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

GAUGE POINT: (MMC) LOCATED 11'-00" OFF CENTERLINE AND 44'-03" FORWARD OF AFT BULKHEAD.

<http://www.pmacorp.net>

SHEET NO. 9 OF 12



BARGE JBC 314"

3 POR.
ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	98,193	0	82,630	0	67,046	0	51,498	0	36,233	0	20,682	0	5,058	0	0	0	0	0	0
1/4	97,870	1/4	82,305	1/4	66,722	1/4	51,181	1/4	35,959	1/4	20,367	1/4	4,733	1/4	1/4	1/4	1/4	1/4	1/4
1/2	97,546	1/2	81,981	1/2	66,397	1/2	50,864	1/2	35,634	1/2	20,031	1/2	4,408	1/2	1/2	1/2	1/2	1/2	1/2
3/4	97,222	3/4	81,656	3/4	66,073	3/4	50,540	3/4	35,310	3/4	19,706	3/4	4,083	3/4	3/4	3/4	3/4	3/4	3/4
1	96,899	1	81,331	1	65,748	1	50,231	1	34,985	1	19,380	1	3,758	1	1	1	1	1	1
1/4	96,575	1/4	80,977	1/4	65,423	1/4	49,914	1/4	34,661	1/4	19,055	1/4	3,439	1/4	1/4	1/4	1/4	1/4	1/4
1/2	96,252	1/2	80,652	1/2	65,099	1/2	49,590	1/2	34,336	1/2	18,729	1/2	3,120	1/2	1/2	1/2	1/2	1/2	1/2
3/4	95,928	3/4	80,327	3/4	64,774	3/4	49,265	3/4	34,012	3/4	18,404	3/4	2,801	3/4	3/4	3/4	3/4	3/4	3/4
2	95,605	2	80,003	2	64,449	2	48,941	2	33,687	2	18,078	2	2,482	2	2	2	2	2	2
1/4	95,281	1/4	79,708	1/4	64,125	1/4	48,618	1/4	33,363	1/4	17,753	1/4	2,208	1/4	1/4	1/4	1/4	1/4	1/4
1/2	94,957	1/2	79,383	1/2	63,800	1/2	48,294	1/2	33,038	1/2	17,427	1/2	1,933	1/2	1/2	1/2	1/2	1/2	1/2
3/4	94,634	3/4	79,059	3/4	63,475	3/4	48,015	3/4	32,714	3/4	17,102	3/4	1,658	3/4	3/4	3/4	3/4	3/4	3/4
3	94,310	3	78,734	3	63,151	3	47,690	3	32,389	3	16,776	3	1,384	3	3	3	3	3	3
1/4	93,987	1/4	78,409	1/4	62,826	1/4	47,365	1/4	32,065	1/4	16,451	1/4	1,190	1/4	1/4	1/4	1/4	1/4	1/4
1/2	93,663	1/2	78,085	1/2	62,501	1/2	47,040	1/2	31,740	1/2	16,125	1/2	997	1/2	1/2	1/2	1/2	1/2	1/2
3/4	93,340	3/4	77,760	3/4	62,177	3/4	46,715	3/4	31,416	3/4	15,800	3/4	804	3/4	3/4	3/4	3/4	3/4	3/4
4	93,016	4	77,435	4	61,852	4	46,390	4	31,091	4	15,474	4	611	4	4	4	4	4	4
1/4	92,692	1/4	77,111	1/4	61,527	1/4	46,065	1/4	30,767	1/4	15,149	1/4	333	1/4	1/4	1/4	1/4	1/4	1/4
1/2	92,369	1/2	76,786	1/2	61,202	1/2	45,740	1/2	30,442	1/2	14,823	1/2	110	1/2	1/2	1/2	1/2	1/2	1/2
3/4	92,045	3/4	76,461	3/4	60,878	3/4	45,415	3/4	30,118	3/4	14,498	3/4	83	3/4	3/4	3/4	3/4	3/4	3/4
5	91,721	5	76,137	5	60,553	5	45,090	5	29,793	5	14,172	5	56	5	5	5	5	5	5
1/4	91,396	1/4	75,812	1/4	60,228	1/4	44,765	1/4	29,468	1/4	13,847	1/4	29	1/4	1/4	1/4	1/4	1/4	1/4
1/2	91,072	1/2	75,487	1/2	59,904	1/2	44,440	1/2	29,143	1/2	13,521	1/2	2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	90,747	3/4	75,163	3/4	59,579	3/4	44,115	3/4	28,818	3/4	13,196	3/4	3	3/4	3/4	3/4	3/4	3/4	3/4
6	90,422	6	74,838	6	59,254	6	43,790	6	28,493	6	12,870	6	6	6	6	6	6	6	6
1/4	90,098	1/4	74,513	1/4	58,930	1/4	43,465	1/4	28,168	1/4	12,545	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4
1/2	89,773	1/2	74,188	1/2	58,605	1/2	43,140	1/2	27,843	1/2	12,219	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2
3/4	89,448	3/4	73,863	3/4	58,280	3/4	42,815	3/4	27,518	3/4	11,894	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4
7	89,124	7	73,539	7	57,956	7	42,490	7	27,193	7	11,568	7	1	7	7	7	7	7	7
1/4	88,799	1/4	73,214	1/4	57,631	1/4	42,165	1/4	26,868	1/4	11,242	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4
1/2	88,474	1/2	72,890	1/2	57,306	1/2	41,840	1/2	26,543	1/2	10,917	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2
3/4	88,150	3/4	72,565	3/4	56,982	3/4	41,515	3/4	26,218	3/4	10,591	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4
8	87,826	8	72,240	8	56,657	8	41,190	8	25,893	8	10,266	8	1	8	8	8	8	8	8
1/4	87,500	1/4	71,916	1/4	56,332	1/4	40,865	1/4	25,568	1/4	9,940	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4
1/2	87,176	1/2	71,591	1/2	56,008	1/2	40,540	1/2	25,243	1/2	9,615	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2
3/4	86,851	3/4	71,266	3/4	55,683	3/4	40,215	3/4	24,918	3/4	9,289	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4
9	86,526	9	70,942	9	55,358	9	40,013	9	24,593	9	8,964	9	1	9	9	9	9	9	9
1/4	86,202	1/4	70,617	1/4	55,034	1/4	39,688	1/4	24,268	1/4	8,638	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4
1/2	85,877	1/2	70,292	1/2	54,709	1/2	39,363	1/2	23,943	1/2	8,313	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2
3/4	85,552	3/4	69,968	3/4	54,384	3/4	39,038	3/4	23,618	3/4	7,987	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4
10	85,228	10	69,643	10	54,060	10	38,713	10	23,293	10	7,662	10	1	10	10	10	10	10	10
1/4	84,903	1/4	69,318	1/4	53,735	1/4	38,388	1/4	22,968	1/4	7,336	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4
1/2	84,578	1/2	68,993	1/2	53,410	1/2	38,063	1/2	22,643	1/2	7,011	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2
3/4	84,253	3/4	68,668	3/4	53,085	3/4	37,738	3/4	22,318	3/4	6,686	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4
11	83,929	11	68,344	11	52,760	11	37,413	11	21,993	11	6,360	11	1	11	11	11	11	11	11
1/4	83,604	1/4	68,020	1/4	52,435	1/4	37,088	1/4	21,668	1/4	6,034	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4
1/2	83,279	1/2	67,695	1/2	52,110	1/2	36,763	1/2	21,343	1/2	5,709	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,955	3/4	67,371	3/4	51,814	3/4	36,438	3/4	21,018	3/4	5,384	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/26/2013 CL
CALCULATED: 02/26/2013 CL
PRINTED: 02/26/2013 CL
CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

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

Signature



BARGE JBC 314"

3 STBL ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

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	0	82,253	0	86,679	0	51,168	0	36,261	0	20,670	0	5,055	0	0	0	0	0	0	0
1/4	1/4	81,929	1/4	86,355	1/4	50,857	1/4	35,937	1/4	20,344	1/4	4,730	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	81,604	1/2	86,030	1/2	50,547	1/2	35,612	1/2	20,019	1/2	4,406	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	81,280	3/4	85,706	3/4	50,236	3/4	35,288	3/4	19,694	3/4	4,081	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	80,955	1	85,382	1	49,926	1	34,964	1	19,368	1	3,756	1	1	1	1	1	1	1
1/4	1/4	80,631	1/4	85,057	1/4	49,616	1/4	34,639	1/4	19,043	1/4	3,437	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	80,306	1/2	84,733	1/2	49,306	1/2	34,315	1/2	18,718	1/2	3,118	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	79,982	3/4	84,408	3/4	48,996	3/4	33,991	3/4	18,392	3/4	2,800	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2	79,657	2	84,084	2	48,686	2	33,667	2	18,067	2	2,481	2	2	2	2	2	2	2
1/4	1/4	79,333	1/4	83,769	1/4	48,376	1/4	33,342	1/4	17,742	1/4	2,206	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	79,008	1/2	83,435	1/2	48,067	1/2	33,018	1/2	17,416	1/2	1,932	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	78,684	3/4	83,110	3/4	47,758	3/4	32,694	3/4	17,091	3/4	1,657	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3	78,359	3	82,786	3	47,448	3	32,369	3	16,766	3	1,383	3	3	3	3	3	3	3
1/4	1/4	78,035	1/4	82,461	1/4	47,139	1/4	32,045	1/4	16,441	1/4	1,190	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	77,710	1/2	82,137	1/2	46,830	1/2	31,721	1/2	16,115	1/2	997	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	77,386	3/4	81,812	3/4	46,521	3/4	31,396	3/4	15,790	3/4	803	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	4	77,062	4	81,488	4	46,212	4	31,072	4	15,465	4	610	4	4	4	4	4	4	4
1/4	1/4	76,737	1/4	81,163	1/4	45,903	1/4	30,748	1/4	15,139	1/4	337	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	76,413	1/2	80,839	1/2	45,594	1/2	30,424	1/2	14,814	1/2	24	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	76,088	3/4	80,514	3/4	45,285	3/4	30,099	3/4	14,489	3/4	3	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	5	75,764	5	80,190	5	44,976	5	29,775	5	14,163	5	5	5	5	5	5	5	5	5
1/4	1/4	75,439	1/4	79,865	1/4	44,668	1/4	29,450	1/4	13,838	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	75,115	1/2	79,541	1/2	44,359	1/2	29,126	1/2	13,513	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	74,790	3/4	79,216	3/4	44,050	3/4	28,802	3/4	13,187	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	6	74,466	6	78,892	6	43,741	6	28,477	6	12,862	6	5	6	6	6	6	6	6	6
1/4	1/4	74,141	1/4	78,568	1/4	43,432	1/4	28,152	1/4	12,537	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	73,817	1/2	78,243	1/2	43,123	1/2	27,827	1/2	12,211	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	73,492	3/4	77,919	3/4	42,814	3/4	27,501	3/4	11,886	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	7	73,168	7	77,594	7	42,505	7	27,176	7	11,561	7	7	7	7	7	7	7	7	7
1/4	1/4	72,843	1/4	77,270	1/4	42,196	1/4	26,851	1/4	11,236	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	72,519	1/2	76,945	1/2	41,887	1/2	26,525	1/2	10,910	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	72,194	3/4	76,621	3/4	41,578	3/4	26,200	3/4	10,585	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	8	71,870	8	76,296	8	41,269	8	25,875	8	10,260	8	8	8	8	8	8	8	8	8
1/4	1/4	71,545	1/4	75,972	1/4	40,960	1/4	25,549	1/4	9,934	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	71,221	1/2	75,647	1/2	40,651	1/2	25,224	1/2	9,609	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	70,896	3/4	75,323	3/4	40,342	3/4	24,899	3/4	9,284	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	9	70,572	9	74,998	9	40,033	9	24,573	9	8,958	9	9	9	9	9	9	9	9	9
1/4	1/4	70,248	1/4	74,674	1/4	39,724	1/4	24,248	1/4	8,633	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	69,923	1/2	74,349	1/2	39,415	1/2	23,923	1/2	8,308	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	69,599	3/4	74,025	3/4	39,106	3/4	23,597	3/4	7,982	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	10	69,274	10	73,700	10	38,797	10	23,272	10	7,657	10	10	10	10	10	10	10	10	10
1/4	1/4	68,950	1/4	73,378	1/4	38,487	1/4	22,947	1/4	7,332	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	68,625	1/2	73,053	1/2	38,176	1/2	22,622	1/2	7,006	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	68,301	3/4	72,729	3/4	37,866	3/4	22,296	3/4	6,681	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	11	67,976	11	72,404	11	37,555	11	21,971	11	6,356	11	11	11	11	11	11	11	11	11
1/4	1/4	67,652	1/4	72,080	1/4	37,242	1/4	21,646	1/4	6,031	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	67,328	1/2	71,755	1/2	36,908	1/2	21,320	1/2	5,705	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	67,003	3/4	71,430	3/4	36,585	3/4	20,995	3/4	5,380	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/26/2013 CL
CALCULATED: 02/26/2013 CL
PRINTED: 02/26/2013 CL
CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

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The JBC