



BARGE "CBC 389"

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	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8
1 STBD	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8
2 PORT	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8
2 STBD	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8
3 PORT	- 00-1/2	00-1/2	- 01-1/8	01-1/8	- 01-5/8	01-5/8	- 02-1/4	02-1/4	- 02-3/4	02-3/4	- 03-3/8	03-3/8
3 STBD	- 00-1/2	00-1/2	- 01-1/8	01-1/8	- 01-5/8	01-5/8	- 02-1/4	02-1/4	- 02-3/4	02-3/4	- 03-3/8	03-3/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 253'-09"

October 17, 2013

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

<http://www.pmacorp.net>



BARGE "CBC 389"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	964	0	15,226	0	30,448	0	45,660	0	60,873	0	76,096	0	91,318	0	106,541	0	121,760	0	136,977
1/4	1,149	1/4	15,543	1/4	30,765	1/4	45,977	1/4	61,190	1/4	76,413	1/4	91,636	1/4	106,858	1/4	122,077	1/4	137,294
1/2	1,334	1/2	15,860	1/2	31,083	1/2	46,294	1/2	61,507	1/2	76,730	1/2	91,953	1/2	107,176	1/2	122,394	1/2	137,611
3/4	1,519	3/4	16,178	3/4	31,400	3/4	46,610	3/4	61,824	3/4	77,047	3/4	92,270	3/4	107,493	3/4	122,711	3/4	137,928
1	1,704	1	16,495	1	31,717	1	46,927	1	62,141	1	77,364	1	92,587	1	107,810	1	123,028	1	138,245
1/4	1,942	1/4	16,812	1/4	32,034	1/4	47,244	1/4	62,459	1/4	77,681	1/4	92,904	1/4	108,127	1/4	123,345	1/4	138,562
1/2	2,179	1/2	17,129	1/2	32,351	1/2	47,560	1/2	62,776	1/2	77,999	1/2	93,221	1/2	108,444	1/2	123,662	1/2	138,879
3/4	2,417	3/4	17,446	3/4	32,668	3/4	47,877	3/4	63,093	3/4	78,316	3/4	93,538	3/4	108,761	3/4	123,979	3/4	139,196
2	2,655	2	17,763	2	32,985	2	48,193	2	63,410	2	78,633	2	93,856	2	109,078	2	124,296	2	139,513
1/4	2,946	1/4	18,080	1/4	33,302	1/4	48,510	1/4	63,727	1/4	78,950	1/4	94,173	1/4	109,396	1/4	124,613	1/4	139,830
1/2	3,236	1/2	18,397	1/2	33,620	1/2	48,827	1/2	64,044	1/2	79,267	1/2	94,490	1/2	109,713	1/2	124,930	1/2	140,147
3/4	3,527	3/4	18,715	3/4	33,937	3/4	49,143	3/4	64,361	3/4	79,584	3/4	94,807	3/4	110,030	3/4	125,247	3/4	140,464
3	3,817	3	19,032	3	34,254	3	49,460	3	64,679	3	79,901	3	95,124	3	110,347	3	125,564	3	140,781
1/4	4,133	1/4	19,349	1/4	34,571	1/4	49,777	1/4	64,996	1/4	80,219	1/4	95,441	1/4	110,664	1/4	125,881	1/4	141,098
1/2	4,449	1/2	19,666	1/2	34,888	1/2	50,093	1/2	65,313	1/2	80,536	1/2	95,758	1/2	110,981	1/2	126,198	1/2	141,415
3/4	4,764	3/4	19,983	3/4	35,205	3/4	50,410	3/4	65,630	3/4	80,853	3/4	96,076	3/4	111,298	3/4	126,515	3/4	141,732
4	5,080	4	20,300	4	35,522	4	50,726	4	65,947	4	81,170	4	96,393	4	111,615	4	126,832	4	142,049
1/4	5,397	1/4	20,617	1/4	35,839	1/4	51,043	1/4	66,264	1/4	81,487	1/4	96,710	1/4	111,932	1/4	127,149	1/4	142,366
1/2	5,713	1/2	20,934	1/2	36,157	1/2	51,360	1/2	66,581	1/2	81,804	1/2	97,027	1/2	112,249	1/2	127,466	1/2	142,683
3/4	6,030	3/4	21,252	3/4	36,474	3/4	51,676	3/4	66,899	3/4	82,121	3/4	97,344	3/4	112,566	3/4	127,783	3/4	143,001
5	6,347	5	21,569	5	36,791	5	51,993	5	67,216	5	82,439	5	97,661	5	112,883	5	128,100	5	143,318
1/4	6,664	1/4	21,886	1/4	37,108	1/4	52,310	1/4	67,533	1/4	82,756	1/4	97,978	1/4	113,200	1/4	128,417	1/4	143,635
1/2	6,981	1/2	22,203	1/2	37,425	1/2	52,627	1/2	67,850	1/2	83,073	1/2	98,296	1/2	113,517	1/2	128,734	1/2	143,952
3/4	7,298	3/4	22,520	3/4	37,742	3/4	52,944	3/4	68,167	3/4	83,390	3/4	98,613	3/4	113,834	3/4	129,051	3/4	144,269
6	7,615	6	22,837	6	38,059	6	53,262	6	68,484	6	83,707	6	98,930	6	114,151	6	129,368	6	144,586
1/4	7,932	1/4	23,154	1/4	38,377	1/4	53,579	1/4	68,801	1/4	84,024	1/4	99,247	1/4	114,468	1/4	129,685	1/4	144,903
1/2	8,249	1/2	23,471	1/2	38,694	1/2	53,896	1/2	69,119	1/2	84,341	1/2	99,564	1/2	114,785	1/2	130,002	1/2	145,220
3/4	8,566	3/4	23,789	3/4	39,011	3/4	54,213	3/4	69,436	3/4	84,659	3/4	99,881	3/4	115,102	3/4	130,320	3/4	145,537
7	8,884	7	24,106	7	39,328	7	54,530	7	69,753	7	84,976	7	100,198	7	115,419	7	130,637	7	145,854
1/4	9,201	1/4	24,423	1/4	39,645	1/4	54,847	1/4	70,070	1/4	85,293	1/4	100,516	1/4	115,736	1/4	130,954	1/4	146,171
1/2	9,518	1/2	24,740	1/2	39,961	1/2	55,164	1/2	70,387	1/2	85,610	1/2	100,833	1/2	116,053	1/2	131,271	1/2	146,488
3/4	9,835	3/4	25,057	3/4	40,278	3/4	55,481	3/4	70,704	3/4	85,927	3/4	101,150	3/4	116,370	3/4	131,588	3/4	146,805
8	10,152	8	25,374	8	40,594	8	55,799	8	71,021	8	86,244	8	101,467	8	116,687	8	131,905	8	147,122
1/4	10,469	1/4	25,691	1/4	40,911	1/4	56,116	1/4	71,339	1/4	86,561	1/4	101,784	1/4	117,004	1/4	132,222	1/4	147,439
1/2	10,786	1/2	26,009	1/2	41,228	1/2	56,433	1/2	71,656	1/2	86,878	1/2	102,101	1/2	117,322	1/2	132,539	1/2	147,756
3/4	11,103	3/4	26,326	3/4	41,544	3/4	56,750	3/4	71,973	3/4	87,196	3/4	102,418	3/4	117,639	3/4	132,856	3/4	148,073
9	11,421	9	26,643	9	41,861	9	57,067	9	72,290	9	87,513	9	102,736	9	117,956	9	133,173	9	148,390
1/4	11,738	1/4	26,960	1/4	42,178	1/4	57,384	1/4	72,607	1/4	87,830	1/4	103,053	1/4	118,273	1/4	133,490	1/4	148,707
1/2	12,055	1/2	27,277	1/2	42,494	1/2	57,701	1/2	72,924	1/2	88,147	1/2	103,370	1/2	118,590	1/2	133,807	1/2	149,024
3/4	12,372	3/4	27,594	3/4	42,811	3/4	58,019	3/4	73,241	3/4	88,464	3/4	103,687	3/4	118,907	3/4	134,124	3/4	149,341
10	12,689	10	27,911	10	43,127	10	58,336	10	73,559	10	88,781	10	104,004	10	119,224	10	134,441	10	149,658
1/4	13,006	1/4	28,228	1/4	43,444	1/4	58,653	1/4	73,876	1/4	89,098	1/4	104,321	1/4	119,541	1/4	134,758	1/4	149,975
1/2	13,323	1/2	28,546	1/2	43,761	1/2	58,970	1/2	74,193	1/2	89,416	1/2	104,638	1/2	119,858	1/2	135,075	1/2	150,292
3/4	13,640	3/4	28,863	3/4	44,077	3/4	59,287	3/4	74,510	3/4	89,733	3/4	104,956	3/4	120,175	3/4	135,392	3/4	150,609
11	13,958	11	29,180	11	44,394	11	59,604	11	74,827	11	90,050	11	105,273	11	120,492	11	135,709	11	150,926
1/4	14,275	1/4	29,497	1/4	44,711	1/4	59,921	1/4	75,144	1/4	90,367	1/4	105,590	1/4	120,809	1/4	136,026	1/4	151,243
1/2	14,592	1/2	29,814	1/2	45,027	1/2	60,239	1/2	75,461	1/2	90,684	1/2	105,907	1/2	121,126	1/2	136,343	1/2	151,560
3/4	14,909	3/4	30,131	3/4	45,344	3/4	60,556	3/4	75,779	3/4	91,001	3/4	106,224	3/4	121,443	3/4	136,660	3/4	151,877

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 TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 389"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	152,194	0	167,411	0	182,629	0	197,846	0	212,998	0		0		0		0		0	
1/4	152,511	1/4	167,728	1/4	182,946	1/4	198,163	1/4	213,311	1/4		1/4		1/4		1/4		1/4	
1/2	152,828	1/2	168,045	1/2	183,263	1/2	198,480	1/2	213,624	1/2		1/2		1/2		1/2		1/2	
3/4	153,145	3/4	168,362	3/4	183,580	3/4	198,797	3/4	213,937	3/4		3/4		3/4		3/4		3/4	
1	153,462	1	168,680	1	183,897	1	199,114	1	214,250	1		1		1		1		1	
1/4	153,779	1/4	168,997	1/4	184,214	1/4	199,430	1/4	214,563	1/4		1/4		1/4		1/4		1/4	
1/2	154,096	1/2	169,314	1/2	184,531	1/2	199,746	1/2	214,876	1/2		1/2		1/2		1/2		1/2	
3/4	154,413	3/4	169,631	3/4	184,848	3/4	200,061	3/4	215,189	3/4		3/4		3/4		3/4		3/4	
2	154,730	2	169,948	2	185,165	2	200,377	2	215,502	2		2		2		2		2	
1/4	155,047	1/4	170,265	1/4	185,482	1/4	200,693	1/4	215,814	1/4		1/4		1/4		1/4		1/4	
1/2	155,364	1/2	170,582	1/2	185,799	1/2	201,009	1/2	216,127	1/2		1/2		1/2		1/2		1/2	
3/4	155,682	3/4	170,899	3/4	186,116	3/4	201,325	3/4	216,440	3/4		3/4		3/4		3/4		3/4	
3	155,999	3	171,216	3	186,433	3	201,640	3	216,753	3		3		3		3		3	
1/4	156,316	1/4	171,533	1/4	186,750	1/4	201,956	1/4	217,065	1/4		1/4		1/4		1/4		1/4	
1/2	156,633	1/2	171,850	1/2	187,067	1/2	202,272	1/2	217,378	1/2		1/2		1/2		1/2		1/2	
3/4	156,950	3/4	172,167	3/4	187,384	3/4	202,588	3/4	217,690	3/4		3/4		3/4		3/4		3/4	
4	157,267	4	172,484	4	187,701	4	202,904	4	218,003	4		4		4		4		4	
1/4	157,584	1/4	172,801	1/4	188,018	1/4	203,219	1/4	218,314	1/4		1/4		1/4		1/4		1/4	
1/2	157,901	1/2	173,118	1/2	188,335	1/2	203,535	1/2	218,626	1/2		1/2		1/2		1/2		1/2	
3/4	158,218	3/4	173,435	3/4	188,652	3/4	203,851	3/4	218,937	3/4		3/4		3/4		3/4		3/4	
5	158,535	5	173,752	5	188,969	5	204,167	5	219,248	5		5		5		5		5	
1/4	158,852	1/4	174,069	1/4	189,286	1/4	204,483	1/4	219,535	1/4		1/4		1/4		1/4		1/4	
1/2	159,169	1/2	174,386	1/2	189,603	1/2	204,798	1/2	219,821	1/2		1/2		1/2		1/2		1/2	
3/4	159,486	3/4	174,703	3/4	189,920	3/4	205,114	3/4	220,107	3/4		3/4		3/4		3/4		3/4	
6	159,803	6	175,020	6	190,237	6	205,430	6	220,394	6		6		6		6		6	
1/4	160,120	1/4	175,337	1/4	190,554	1/4	205,746	1/4	220,627	1/4		1/4		1/4		1/4		1/4	
1/2	160,437	1/2	175,654	1/2	190,871	1/2	206,062	1/2	220,861	1/2		1/2		1/2		1/2		1/2	
3/4	160,754	3/4	175,971	3/4	191,188	3/4	206,377	3/4	221,095	3/4		3/4		3/4		3/4		3/4	
7	161,071	7	176,288	7	191,505	7	206,693	7	221,328	7		7		7		7		7	
1/4	161,388	1/4	176,605	1/4	191,822	1/4	207,009	1/4	221,510	1/4		1/4		1/4		1/4		1/4	
1/2	161,705	1/2	176,922	1/2	192,139	1/2	207,325	1/2	221,692	1/2		1/2		1/2		1/2		1/2	
3/4	162,022	3/4	177,239	3/4	192,456	3/4	207,641	3/4	221,874	3/4		3/4		3/4		3/4		3/4	
8	162,339	8	177,556	8	192,773	8	207,956	8	222,056	8		8		8		8		8	
1/4	162,656	1/4	177,873	1/4	193,090	1/4	208,272	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,973	1/2	178,190	1/2	193,407	1/2	208,588	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,290	3/4	178,507	3/4	193,724	3/4	208,904	3/4		3/4		3/4		3/4		3/4		3/4	
9	163,607	9	178,824	9	194,042	9	209,220	9		9		9		9		9		9	
1/4	163,924	1/4	179,141	1/4	194,359	1/4	209,535	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,241	1/2	179,458	1/2	194,676	1/2	209,851	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,558	3/4	179,775	3/4	194,993	3/4	210,167	3/4		3/4		3/4		3/4		3/4		3/4	
10	164,875	10	180,092	10	195,310	10	210,483	10		10		10		10		10		10	
1/4	165,192	1/4	180,409	1/4	195,627	1/4	210,799	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	165,509	1/2	180,726	1/2	195,944	1/2	211,115	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	165,826	3/4	181,043	3/4	196,261	3/4	211,431	3/4		3/4		3/4		3/4		3/4		3/4	
11	166,143	11	181,361	11	196,578	11	211,747	11		11		11		11		11		11	
1/4	166,460	1/4	181,678	1/4	196,895	1/4	212,060	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	166,777	1/2	181,995	1/2	197,212	1/2	212,373	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	167,094	3/4	182,312	3/4	197,529	3/4	212,686	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/17/2013 SW
CALCULATED: 10/18/2013 CL
PRINTED: 10/19/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 389"

1 STBD

INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	964	0	15,230	0	30,456	0	45,632	0	60,808	0	76,034	0	91,261	0	106,487	0	121,709	0	136,930
1/4	1,149	1/4	15,547	1/4	30,773	1/4	45,947	1/4	61,125	1/4	76,351	1/4	91,578	1/4	106,804	1/4	122,026	1/4	137,247
1/2	1,334	1/2	15,864	1/2	31,090	1/2	46,262	1/2	61,442	1/2	76,669	1/2	91,895	1/2	107,122	1/2	122,344	1/2	137,564
3/4	1,519	3/4	16,181	3/4	31,407	3/4	46,577	3/4	61,759	3/4	76,986	3/4	92,212	3/4	107,439	3/4	122,661	3/4	137,881
1	1,704	1	16,499	1	31,724	1	46,892	1	62,077	1	77,303	1	92,530	1	107,756	1	122,978	1	138,199
1/4	1,942	1/4	16,816	1/4	32,042	1/4	47,207	1/4	62,394	1/4	77,620	1/4	92,847	1/4	108,073	1/4	123,295	1/4	138,516
1/2	2,180	1/2	17,133	1/2	32,359	1/2	47,522	1/2	62,711	1/2	77,938	1/2	93,164	1/2	108,390	1/2	123,612	1/2	138,833
3/4	2,418	3/4	17,450	3/4	32,676	3/4	47,837	3/4	63,028	3/4	78,255	3/4	93,481	3/4	108,708	3/4	123,929	3/4	139,150
2	2,656	2	17,767	2	32,993	2	48,152	2	63,346	2	78,572	2	93,798	2	109,025	2	124,246	2	139,467
1/4	2,946	1/4	18,085	1/4	33,310	1/4	48,467	1/4	63,663	1/4	78,889	1/4	94,116	1/4	109,342	1/4	124,563	1/4	139,784
1/2	3,237	1/2	18,402	1/2	33,628	1/2	48,782	1/2	63,980	1/2	79,206	1/2	94,433	1/2	109,659	1/2	124,880	1/2	140,101
3/4	3,528	3/4	18,719	3/4	33,945	3/4	49,097	3/4	64,297	3/4	79,524	3/4	94,750	3/4	109,977	3/4	125,197	3/4	140,418
3	3,818	3	19,036	3	34,262	3	49,412	3	64,614	3	79,841	3	95,067	3	110,294	3	125,515	3	140,735
1/4	4,134	1/4	19,353	1/4	34,579	1/4	49,727	1/4	64,932	1/4	80,158	1/4	95,385	1/4	110,611	1/4	125,832	1/4	141,053
1/2	4,450	1/2	19,671	1/2	34,896	1/2	50,042	1/2	65,249	1/2	80,475	1/2	95,702	1/2	110,928	1/2	126,149	1/2	141,370
3/4	4,765	3/4	19,988	3/4	35,214	3/4	50,357	3/4	65,566	3/4	80,793	3/4	96,019	3/4	111,245	3/4	126,466	3/4	141,687
4	5,081	4	20,305	4	35,531	4	50,672	4	65,883	4	81,110	4	96,336	4	111,562	4	126,783	4	142,004
1/4	5,398	1/4	20,622	1/4	35,848	1/4	50,987	1/4	66,201	1/4	81,427	1/4	96,653	1/4	111,879	1/4	127,100	1/4	142,321
1/2	5,715	1/2	20,939	1/2	36,165	1/2	51,302	1/2	66,518	1/2	81,744	1/2	96,971	1/2	112,196	1/2	127,417	1/2	142,638
3/4	6,031	3/4	21,257	3/4	36,482	3/4	51,617	3/4	66,835	3/4	82,061	3/4	97,288	3/4	112,513	3/4	127,734	3/4	142,955
5	6,348	5	21,574	5	36,800	5	51,932	5	67,152	5	82,379	5	97,605	5	112,831	5	128,051	5	143,272
1/4	6,665	1/4	21,891	1/4	37,117	1/4	52,248	1/4	67,469	1/4	82,696	1/4	97,922	1/4	113,148	1/4	128,368	1/4	143,589
1/2	6,983	1/2	22,208	1/2	37,434	1/2	52,563	1/2	67,787	1/2	83,013	1/2	98,239	1/2	113,465	1/2	128,686	1/2	143,906
3/4	7,300	3/4	22,525	3/4	37,751	3/4	52,879	3/4	68,104	3/4	83,330	3/4	98,557	3/4	113,782	3/4	129,003	3/4	144,224
6	7,617	6	22,843	6	38,069	6	53,195	6	68,421	6	83,647	6	98,874	6	114,099	6	129,320	6	144,541
1/4	7,934	1/4	23,160	1/4	38,384	1/4	53,512	1/4	68,738	1/4	83,965	1/4	99,191	1/4	114,416	1/4	129,637	1/4	144,858
1/2	8,251	1/2	23,477	1/2	38,700	1/2	53,829	1/2	69,055	1/2	84,282	1/2	99,508	1/2	114,733	1/2	129,954	1/2	145,175
3/4	8,568	3/4	23,794	3/4	39,015	3/4	54,146	3/4	69,373	3/4	84,599	3/4	99,826	3/4	115,050	3/4	130,271	3/4	145,492
7	8,886	7	24,112	7	39,331	7	54,463	7	69,690	7	84,916	7	100,143	7	115,367	7	130,588	7	145,809
1/4	9,203	1/4	24,429	1/4	39,646	1/4	54,781	1/4	70,007	1/4	85,234	1/4	100,460	1/4	115,684	1/4	130,905	1/4	146,126
1/2	9,520	1/2	24,746	1/2	39,961	1/2	55,098	1/2	70,324	1/2	85,551	1/2	100,777	1/2	116,002	1/2	131,222	1/2	146,443
3/4	9,837	3/4	25,063	3/4	40,276	3/4	55,415	3/4	70,642	3/4	85,868	3/4	101,094	3/4	116,319	3/4	131,539	3/4	146,760
8	10,154	8	25,380	8	40,591	8	55,732	8	70,959	8	86,185	8	101,412	8	116,636	8	131,857	8	147,077
1/4	10,472	1/4	25,698	1/4	40,906	1/4	56,050	1/4	71,276	1/4	86,502	1/4	101,729	1/4	116,953	1/4	132,174	1/4	147,395
1/2	10,789	1/2	26,015	1/2	41,221	1/2	56,367	1/2	71,593	1/2	86,820	1/2	102,046	1/2	117,270	1/2	132,491	1/2	147,712
3/4	11,106	3/4	26,332	3/4	41,536	3/4	56,684	3/4	71,910	3/4	87,137	3/4	102,363	3/4	117,587	3/4	132,808	3/4	148,029
9	11,423	9	26,649	9	41,851	9	57,001	9	72,228	9	87,454	9	102,681	9	117,904	9	133,125	9	148,346
1/4	11,741	1/4	26,966	1/4	42,166	1/4	57,318	1/4	72,545	1/4	87,771	1/4	102,998	1/4	118,221	1/4	133,442	1/4	148,663
1/2	12,058	1/2	27,284	1/2	42,481	1/2	57,636	1/2	72,862	1/2	88,089	1/2	103,315	1/2	118,538	1/2	133,759	1/2	148,980
3/4	12,375	3/4	27,601	3/4	42,796	3/4	57,953	3/4	73,179	3/4	88,406	3/4	103,632	3/4	118,855	3/4	134,076	3/4	149,297
10	12,692	10	27,918	10	43,111	10	58,270	10	73,497	10	88,723	10	103,949	10	119,173	10	134,393	10	149,614
1/4	13,009	1/4	28,235	1/4	43,426	1/4	58,587	1/4	73,814	1/4	89,040	1/4	104,267	1/4	119,490	1/4	134,710	1/4	149,931
1/2	13,327	1/2	28,552	1/2	43,741	1/2	58,904	1/2	74,131	1/2	89,357	1/2	104,584	1/2	119,807	1/2	135,028	1/2	150,248
3/4	13,644	3/4	28,870	3/4	44,056	3/4	59,222	3/4	74,448	3/4	89,675	3/4	104,901	3/4	120,124	3/4	135,345	3/4	150,566
11	13,961	11	29,187	11	44,371	11	59,539	11	74,765	11	89,992	11	105,218	11	120,441	11	135,662	11	150,883
1/4	14,278	1/4	29,504	1/4	44,686	1/4	59,856	1/4	75,083	1/4	90,309	1/4	105,535	1/4	120,758	1/4	135,979	1/4	151,200
1/2	14,595	1/2	29,821	1/2	45,001	1/2	60,173	1/2	75,400	1/2	90,626	1/2	105,853	1/2	121,075	1/2	136,296	1/2	151,517
3/4	14,913	3/4	30,138	3/4	45,316	3/4	60,491	3/4	75,717	3/4	90,943	3/4	106,170	3/4	121,392	3/4	136,613	3/4	151,834

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 TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 389"

1 STBD
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	152,151	0	167,372	0	182,593	0	197,814	0	212,970	0		0		0		0		0	
1/4	152,468	1/4	167,689	1/4	182,910	1/4	198,131	1/4	213,283	1/4		1/4		1/4		1/4		1/4	
1/2	152,785	1/2	168,006	1/2	183,227	1/2	198,448	1/2	213,596	1/2		1/2		1/2		1/2		1/2	
3/4	153,102	3/4	168,323	3/4	183,544	3/4	198,765	3/4	213,909	3/4		3/4		3/4		3/4		3/4	
1	153,419	1	168,640	1	183,861	1	199,082	1	214,222	1		1		1		1		1	
1/4	153,737	1/4	168,957	1/4	184,178	1/4	199,398	1/4	214,535	1/4		1/4		1/4		1/4		1/4	
1/2	154,054	1/2	169,274	1/2	184,495	1/2	199,714	1/2	214,847	1/2		1/2		1/2		1/2		1/2	
3/4	154,371	3/4	169,592	3/4	184,812	3/4	200,030	3/4	215,160	3/4		3/4		3/4		3/4		3/4	
2	154,688	2	169,909	2	185,129	2	200,345	2	215,473	2		2		2		2		2	
1/4	155,005	1/4	170,226	1/4	185,447	1/4	200,661	1/4	215,786	1/4		1/4		1/4		1/4		1/4	
1/2	155,322	1/2	170,543	1/2	185,764	1/2	200,977	1/2	216,099	1/2		1/2		1/2		1/2		1/2	
3/4	155,639	3/4	170,860	3/4	186,081	3/4	201,293	3/4	216,412	3/4		3/4		3/4		3/4		3/4	
3	155,956	3	171,177	3	186,398	3	201,609	3	216,725	3		3		3		3		3	
1/4	156,273	1/4	171,494	1/4	186,715	1/4	201,925	1/4	217,038	1/4		1/4		1/4		1/4		1/4	
1/2	156,590	1/2	171,811	1/2	187,032	1/2	202,241	1/2	217,350	1/2		1/2		1/2		1/2		1/2	
3/4	156,908	3/4	172,128	3/4	187,349	3/4	202,557	3/4	217,663	3/4		3/4		3/4		3/4		3/4	
4	157,225	4	172,445	4	187,666	4	202,872	4	217,975	4		4		4		4		4	
1/4	157,542	1/4	172,763	1/4	187,983	1/4	203,188	1/4	218,287	1/4		1/4		1/4		1/4		1/4	
1/2	157,859	1/2	173,080	1/2	188,301	1/2	203,504	1/2	218,598	1/2		1/2		1/2		1/2		1/2	
3/4	158,176	3/4	173,397	3/4	188,618	3/4	203,820	3/4	218,910	3/4		3/4		3/4		3/4		3/4	
5	158,493	5	173,714	5	188,935	5	204,136	5	219,221	5		5		5		5		5	
1/4	158,810	1/4	174,031	1/4	189,252	1/4	204,452	1/4	219,508	1/4		1/4		1/4		1/4		1/4	
1/2	159,127	1/2	174,348	1/2	189,569	1/2	204,768	1/2	219,794	1/2		1/2		1/2		1/2		1/2	
3/4	159,444	3/4	174,665	3/4	189,886	3/4	205,084	3/4	220,080	3/4		3/4		3/4		3/4		3/4	
6	159,761	6	174,982	6	190,203	6	205,399	6	220,367	6		6		6		6		6	
1/4	160,079	1/4	175,299	1/4	190,520	1/4	205,715	1/4	220,600	1/4		1/4		1/4		1/4		1/4	
1/2	160,396	1/2	175,616	1/2	190,837	1/2	206,031	1/2	220,834	1/2		1/2		1/2		1/2		1/2	
3/4	160,713	3/4	175,934	3/4	191,154	3/4	206,347	3/4	221,068	3/4		3/4		3/4		3/4		3/4	
7	161,030	7	176,251	7	191,472	7	206,663	7	221,301	7		7		7		7		7	
1/4	161,347	1/4	176,568	1/4	191,789	1/4	206,979	1/4	221,483	1/4		1/4		1/4		1/4		1/4	
1/2	161,664	1/2	176,885	1/2	192,106	1/2	207,295	1/2	221,665	1/2		1/2		1/2		1/2		1/2	
3/4	161,981	3/4	177,202	3/4	192,423	3/4	207,611	3/4	221,847	3/4		3/4		3/4		3/4		3/4	
8	162,298	8	177,519	8	192,740	8	207,926	8	222,029	8		8		8		8		8	
1/4	162,615	1/4	177,836	1/4	193,057	1/4	208,242	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,932	1/2	178,153	1/2	193,374	1/2	208,558	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,250	3/4	178,470	3/4	193,691	3/4	208,874	3/4		3/4		3/4		3/4		3/4		3/4	
9	163,567	9	178,787	9	194,008	9	209,190	9		9		9		9		9		9	
1/4	163,884	1/4	179,105	1/4	194,325	1/4	209,506	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,201	1/2	179,422	1/2	194,643	1/2	209,822	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,518	3/4	179,739	3/4	194,960	3/4	210,138	3/4		3/4		3/4		3/4		3/4		3/4	
10	164,835	10	180,056	10	195,277	10	210,454	10		10		10		10		10		10	
1/4	165,152	1/4	180,373	1/4	195,594	1/4	210,770	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	165,469	1/2	180,690	1/2	195,911	1/2	211,086	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	165,786	3/4	181,007	3/4	196,228	3/4	211,402	3/4		3/4		3/4		3/4		3/4		3/4	
11	166,103	11	181,324	11	196,545	11	211,718	11		11		11		11		11		11	
1/4	166,421	1/4	181,641	1/4	196,862	1/4	212,031	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	166,738	1/2	181,958	1/2	197,179	1/2	212,344	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	167,055	3/4	182,276	3/4	197,496	3/4	212,657	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/17/2013 SW
CALCULATED: 10/18/2013 CL
PRINTED: 10/19/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 389"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	962	0	15,197	0	30,390	0	45,573	0	60,756	0	75,950	0	91,143	0	106,337	0	121,526	0	136,714
1/4	1,147	1/4	15,513	1/4	30,706	1/4	45,889	1/4	61,073	1/4	76,266	1/4	91,460	1/4	106,653	1/4	121,842	1/4	137,030
1/2	1,331	1/2	15,830	1/2	31,023	1/2	46,205	1/2	61,389	1/2	76,583	1/2	91,776	1/2	106,970	1/2	122,159	1/2	137,347
3/4	1,516	3/4	16,146	3/4	31,339	3/4	46,521	3/4	61,706	3/4	76,899	3/4	92,093	3/4	107,286	3/4	122,475	3/4	137,663
1	1,700	1	16,463	1	31,656	1	46,837	1	62,022	1	77,216	1	92,409	1	107,603	1	122,792	1	137,980
1/4	1,938	1/4	16,780	1/4	31,972	1/4	47,153	1/4	62,339	1/4	77,532	1/4	92,726	1/4	107,919	1/4	123,108	1/4	138,296
1/2	2,175	1/2	17,096	1/2	32,289	1/2	47,469	1/2	62,655	1/2	77,849	1/2	93,042	1/2	108,236	1/2	123,425	1/2	138,613
3/4	2,413	3/4	17,413	3/4	32,606	3/4	47,785	3/4	62,972	3/4	78,165	3/4	93,359	3/4	108,552	3/4	123,741	3/4	138,929
2	2,650	2	17,729	2	32,922	2	48,101	2	63,288	2	78,482	2	93,675	2	108,869	2	124,057	2	139,245
1/4	2,940	1/4	18,046	1/4	33,239	1/4	48,417	1/4	63,605	1/4	78,798	1/4	93,992	1/4	109,185	1/4	124,374	1/4	139,562
1/2	3,230	1/2	18,362	1/2	33,555	1/2	48,733	1/2	63,921	1/2	79,115	1/2	94,308	1/2	109,502	1/2	124,690	1/2	139,878
3/4	3,520	3/4	18,679	3/4	33,872	3/4	49,049	3/4	64,238	3/4	79,431	3/4	94,625	3/4	109,819	3/4	125,007	3/4	140,195
3	3,810	3	18,995	3	34,188	3	49,365	3	64,554	3	79,748	3	94,942	3	110,135	3	125,323	3	140,511
1/4	4,125	1/4	19,312	1/4	34,505	1/4	49,681	1/4	64,871	1/4	80,064	1/4	95,258	1/4	110,452	1/4	125,639	1/4	140,827
1/2	4,440	1/2	19,628	1/2	34,821	1/2	49,997	1/2	65,187	1/2	80,381	1/2	95,575	1/2	110,768	1/2	125,956	1/2	141,144
3/4	4,755	3/4	19,945	3/4	35,138	3/4	50,313	3/4	65,504	3/4	80,698	3/4	95,891	3/4	111,084	3/4	126,272	3/4	141,460
4	5,070	4	20,261	4	35,454	4	50,629	4	65,821	4	81,014	4	96,208	4	111,401	4	126,589	4	141,777
1/4	5,386	1/4	20,578	1/4	35,771	1/4	50,945	1/4	66,137	1/4	81,331	1/4	96,524	1/4	111,717	1/4	126,905	1/4	142,093
1/2	5,702	1/2	20,894	1/2	36,087	1/2	51,261	1/2	66,454	1/2	81,647	1/2	96,841	1/2	112,034	1/2	127,222	1/2	142,410
3/4	6,018	3/4	21,211	3/4	36,404	3/4	51,577	3/4	66,770	3/4	81,964	3/4	97,157	3/4	112,350	3/4	127,538	3/4	142,726
5	6,335	5	21,527	5	36,720	5	51,893	5	67,087	5	82,280	5	97,474	5	112,666	5	127,854	5	143,042
1/4	6,651	1/4	21,844	1/4	37,037	1/4	52,210	1/4	67,403	1/4	82,597	1/4	97,790	1/4	112,983	1/4	128,171	1/4	143,359
1/2	6,968	1/2	22,160	1/2	37,353	1/2	52,526	1/2	67,720	1/2	82,913	1/2	98,107	1/2	113,299	1/2	128,487	1/2	143,675
3/4	7,284	3/4	22,477	3/4	37,670	3/4	52,843	3/4	68,036	3/4	83,230	3/4	98,423	3/4	113,616	3/4	128,804	3/4	143,992
6	7,600	6	22,793	6	37,986	6	53,159	6	68,353	6	83,546	6	98,740	6	113,932	6	129,120	6	144,308
1/4	7,917	1/4	23,110	1/4	38,303	1/4	53,476	1/4	68,669	1/4	83,863	1/4	99,056	1/4	114,249	1/4	129,436	1/4	144,624
1/2	8,233	1/2	23,426	1/2	38,619	1/2	53,792	1/2	68,986	1/2	84,179	1/2	99,373	1/2	114,565	1/2	129,753	1/2	144,941
3/4	8,550	3/4	23,743	3/4	38,936	3/4	54,109	3/4	69,302	3/4	84,496	3/4	99,690	3/4	114,881	3/4	130,069	3/4	145,257
7	8,867	7	24,059	7	39,252	7	54,425	7	69,619	7	84,812	7	100,006	7	115,198	7	130,386	7	145,574
1/4	9,183	1/4	24,376	1/4	39,568	1/4	54,742	1/4	69,935	1/4	85,129	1/4	100,323	1/4	115,514	1/4	130,702	1/4	145,890
1/2	9,500	1/2	24,693	1/2	39,884	1/2	55,058	1/2	70,252	1/2	85,446	1/2	100,639	1/2	115,831	1/2	131,019	1/2	146,207
3/4	9,816	3/4	25,009	3/4	40,200	3/4	55,375	3/4	70,569	3/4	85,762	3/4	100,956	3/4	116,147	3/4	131,335	3/4	146,523
8	10,133	8	25,326	8	40,517	8	55,691	8	70,885	8	86,079	8	101,272	8	116,463	8	131,651	8	146,839
1/4	10,449	1/4	25,642	1/4	40,833	1/4	56,008	1/4	71,202	1/4	86,395	1/4	101,589	1/4	116,780	1/4	131,968	1/4	147,156
1/2	10,766	1/2	25,959	1/2	41,149	1/2	56,325	1/2	71,518	1/2	86,712	1/2	101,905	1/2	117,096	1/2	132,284	1/2	147,472
3/4	11,082	3/4	26,275	3/4	41,465	3/4	56,641	3/4	71,835	3/4	87,028	3/4	102,222	3/4	117,413	3/4	132,601	3/4	147,789
9	11,399	9	26,592	9	41,781	9	56,958	9	72,151	9	87,345	9	102,538	9	117,729	9	132,917	9	148,105
1/4	11,715	1/4	26,908	1/4	42,097	1/4	57,274	1/4	72,468	1/4	87,661	1/4	102,855	1/4	118,045	1/4	133,233	1/4	148,421
1/2	12,032	1/2	27,225	1/2	42,413	1/2	57,591	1/2	72,784	1/2	87,978	1/2	103,171	1/2	118,362	1/2	133,550	1/2	148,738
3/4	12,348	3/4	27,541	3/4	42,729	3/4	57,907	3/4	73,101	3/4	88,294	3/4	103,488	3/4	118,678	3/4	133,866	3/4	149,054
10	12,665	10	27,858	10	43,045	10	58,224	10	73,417	10	88,611	10	103,804	10	118,995	10	134,183	10	149,371
1/4	12,981	1/4	28,174	1/4	43,361	1/4	58,540	1/4	73,734	1/4	88,927	1/4	104,121	1/4	119,311	1/4	134,499	1/4	149,687
1/2	13,298	1/2	28,491	1/2	43,677	1/2	58,857	1/2	74,050	1/2	89,244	1/2	104,438	1/2	119,628	1/2	134,816	1/2	150,003
3/4	13,614	3/4	28,807	3/4	43,993	3/4	59,173	3/4	74,367	3/4	89,560	3/4	104,754	3/4	119,944	3/4	135,132	3/4	150,320
11	13,931	11	29,124	11	44,309	11	59,490	11	74,683	11	89,877	11	105,071	11	120,260	11	135,448	11	150,636
1/4	14,247	1/4	29,440	1/4	44,625	1/4	59,806	1/4	75,000	1/4	90,194	1/4	105,387	1/4	120,577	1/4	135,765	1/4	150,953
1/2	14,564	1/2	29,757	1/2	44,941	1/2	60,123	1/2	75,317	1/2	90,510	1/2	105,704	1/2	120,893	1/2	136,081	1/2	151,269
3/4	14,880	3/4	30,073	3/4	45,257	3/4	60,439	3/4	75,633	3/4	90,827	3/4	106,020	3/4	121,210	3/4	136,398	3/4	151,586

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 TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 389"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	151,902	0	167,090	0	182,278	0	197,466	0	212,589	0		0		0		0		0	
1/4	152,218	1/4	167,406	1/4	182,594	1/4	197,782	1/4	212,901	1/4		1/4		1/4		1/4		1/4	
1/2	152,535	1/2	167,723	1/2	182,911	1/2	198,099	1/2	213,214	1/2		1/2		1/2		1/2		1/2	
3/4	152,851	3/4	168,039	3/4	183,227	3/4	198,415	3/4	213,526	3/4		3/4		3/4		3/4		3/4	
1	153,168	1	168,356	1	183,544	1	198,732	1	213,838	1		1		1		1		1	
1/4	153,484	1/4	168,672	1/4	183,860	1/4	199,047	1/4	214,151	1/4		1/4		1/4		1/4		1/4	
1/2	153,800	1/2	168,988	1/2	184,176	1/2	199,362	1/2	214,463	1/2		1/2		1/2		1/2		1/2	
3/4	154,117	3/4	169,305	3/4	184,493	3/4	199,677	3/4	214,775	3/4		3/4		3/4		3/4		3/4	
2	154,433	2	169,621	2	184,809	2	199,992	2	215,087	2		2		2		2		2	
1/4	154,750	1/4	169,938	1/4	185,126	1/4	200,308	1/4	215,400	1/4		1/4		1/4		1/4		1/4	
1/2	155,066	1/2	170,254	1/2	185,442	1/2	200,623	1/2	215,712	1/2		1/2		1/2		1/2		1/2	
3/4	155,383	3/4	170,571	3/4	185,758	3/4	200,938	3/4	216,024	3/4		3/4		3/4		3/4		3/4	
3	155,699	3	170,887	3	186,075	3	201,253	3	216,336	3		3		3		3		3	
1/4	156,015	1/4	171,203	1/4	186,391	1/4	201,568	1/4	216,648	1/4		1/4		1/4		1/4		1/4	
1/2	156,332	1/2	171,520	1/2	186,708	1/2	201,883	1/2	216,960	1/2		1/2		1/2		1/2		1/2	
3/4	156,648	3/4	171,836	3/4	187,024	3/4	202,199	3/4	217,272	3/4		3/4		3/4		3/4		3/4	
4	156,965	4	172,153	4	187,341	4	202,514	4	217,584	4		4		4		4		4	
1/4	157,281	1/4	172,469	1/4	187,657	1/4	202,829	1/4	217,895	1/4		1/4		1/4		1/4		1/4	
1/2	157,597	1/2	172,785	1/2	187,973	1/2	203,144	1/2	218,205	1/2		1/2		1/2		1/2		1/2	
3/4	157,914	3/4	173,102	3/4	188,290	3/4	203,459	3/4	218,516	3/4		3/4		3/4		3/4		3/4	
5	158,230	5	173,418	5	188,606	5	203,775	5	218,827	5		5		5		5		5	
1/4	158,547	1/4	173,735	1/4	188,923	1/4	204,090	1/4	219,113	1/4		1/4		1/4		1/4		1/4	
1/2	158,863	1/2	174,051	1/2	189,239	1/2	204,405	1/2	219,399	1/2		1/2		1/2		1/2		1/2	
3/4	159,180	3/4	174,368	3/4	189,555	3/4	204,720	3/4	219,684	3/4		3/4		3/4		3/4		3/4	
6	159,496	6	174,684	6	189,872	6	205,035	6	219,970	6		6		6		6		6	
1/4	159,812	1/4	175,000	1/4	190,188	1/4	205,351	1/4	220,203	1/4		1/4		1/4		1/4		1/4	
1/2	160,129	1/2	175,317	1/2	190,505	1/2	205,666	1/2	220,436	1/2		1/2		1/2		1/2		1/2	
3/4	160,445	3/4	175,633	3/4	190,821	3/4	205,981	3/4	220,670	3/4		3/4		3/4		3/4		3/4	
7	160,762	7	175,950	7	191,138	7	206,296	7	220,903	7		7		7		7		7	
1/4	161,078	1/4	176,266	1/4	191,454	1/4	206,611	1/4	221,084	1/4		1/4		1/4		1/4		1/4	
1/2	161,394	1/2	176,582	1/2	191,770	1/2	206,927	1/2	221,266	1/2		1/2		1/2		1/2		1/2	
3/4	161,711	3/4	176,899	3/4	192,087	3/4	207,242	3/4	221,447	3/4		3/4		3/4		3/4		3/4	
8	162,027	8	177,215	8	192,403	8	207,557	8	221,629	8		8		8		8		8	
1/4	162,344	1/4	177,532	1/4	192,720	1/4	207,872	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,660	1/2	177,848	1/2	193,036	1/2	208,187	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,977	3/4	178,165	3/4	193,352	3/4	208,503	3/4		3/4		3/4		3/4		3/4		3/4	
9	163,293	9	178,481	9	193,669	9	208,818	9		9		9		9		9		9	
1/4	163,609	1/4	178,797	1/4	193,985	1/4	209,133	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,926	1/2	179,114	1/2	194,302	1/2	209,448	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,242	3/4	179,430	3/4	194,618	3/4	209,764	3/4		3/4		3/4		3/4		3/4		3/4	
10	164,559	10	179,747	10	194,935	10	210,079	10		10		10		10		10		10	
1/4	164,875	1/4	180,063	1/4	195,251	1/4	210,394	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	165,191	1/2	180,379	1/2	195,567	1/2	210,709	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	165,508	3/4	180,696	3/4	195,884	3/4	211,025	3/4		3/4		3/4		3/4		3/4		3/4	
11	165,824	11	181,012	11	196,200	11	211,340	11		11		11		11		11		11	
1/4	166,141	1/4	181,329	1/4	196,517	1/4	211,652	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	166,457	1/2	181,645	1/2	196,833	1/2	211,965	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	166,774	3/4	181,962	3/4	197,149	3/4	212,277	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/17/2013 SW
CALCULATED: 10/18/2013 CL
PRINTED: 10/19/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 389"

2 STBD

INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-07 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	962	0	15,191	0	30,379	0	45,223	0	60,067	0	75,255	0	90,443	0	105,631	0	120,815	0	135,997
1/4	1,146	1/4	15,508	1/4	30,695	1/4	45,525	1/4	60,383	1/4	75,571	1/4	90,759	1/4	105,947	1/4	121,131	1/4	136,313
1/2	1,331	1/2	15,824	1/2	31,012	1/2	45,827	1/2	60,699	1/2	75,887	1/2	91,076	1/2	106,264	1/2	121,447	1/2	136,630
3/4	1,515	3/4	16,141	3/4	31,328	3/4	46,129	3/4	61,016	3/4	76,204	3/4	91,392	3/4	106,580	3/4	121,764	3/4	136,946
1	1,700	1	16,457	1	31,645	1	46,431	1	61,332	1	76,520	1	91,708	1	106,896	1	122,080	1	137,262
1/4	1,937	1/4	16,773	1/4	31,961	1/4	46,733	1/4	61,649	1/4	76,837	1/4	92,025	1/4	107,213	1/4	122,396	1/4	137,579
1/2	2,174	1/2	17,090	1/2	32,277	1/2	47,035	1/2	61,965	1/2	77,153	1/2	92,341	1/2	107,529	1/2	122,712	1/2	137,895
3/4	2,412	3/4	17,406	3/4	32,594	3/4	47,337	3/4	62,281	3/4	77,470	3/4	92,658	3/4	107,846	3/4	123,029	3/4	138,211
2	2,649	2	17,723	2	32,910	2	47,638	2	62,598	2	77,786	2	92,974	2	108,162	2	123,345	2	138,528
1/4	2,939	1/4	18,039	1/4	33,227	1/4	47,940	1/4	62,914	1/4	78,102	1/4	93,290	1/4	108,479	1/4	123,661	1/4	138,844
1/2	3,229	1/2	18,355	1/2	33,543	1/2	48,242	1/2	63,231	1/2	78,419	1/2	93,607	1/2	108,795	1/2	123,978	1/2	139,160
3/4	3,519	3/4	18,672	3/4	33,859	3/4	48,544	3/4	63,547	3/4	78,735	3/4	93,923	3/4	109,111	3/4	124,294	3/4	139,477
3	3,809	3	18,988	3	34,176	3	48,846	3	63,864	3	79,052	3	94,240	3	109,428	3	124,610	3	139,793
1/4	4,124	1/4	19,305	1/4	34,492	1/4	49,148	1/4	64,180	1/4	79,368	1/4	94,556	1/4	109,744	1/4	124,927	1/4	140,109
1/2	4,439	1/2	19,621	1/2	34,809	1/2	49,450	1/2	64,496	1/2	79,684	1/2	94,873	1/2	110,060	1/2	125,243	1/2	140,425
3/4	4,753	3/4	19,938	3/4	35,125	3/4	49,752	3/4	64,813	3/4	80,001	3/4	95,189	3/4	110,377	3/4	125,559	3/4	140,742
4	5,068	4	20,254	4	35,441	4	50,054	4	65,129	4	80,317	4	95,505	4	110,693	4	125,876	4	141,058
1/4	5,384	1/4	20,570	1/4	35,758	1/4	50,356	1/4	65,446	1/4	80,634	1/4	95,822	1/4	111,009	1/4	126,192	1/4	141,374
1/2	5,700	1/2	20,887	1/2	36,074	1/2	50,658	1/2	65,762	1/2	80,950	1/2	96,138	1/2	111,326	1/2	126,508	1/2	141,691
3/4	6,016	3/4	21,203	3/4	36,391	3/4	50,960	3/4	66,078	3/4	81,267	3/4	96,455	3/4	111,642	3/4	126,824	3/4	142,007
5	6,332	5	21,520	5	36,707	5	51,262	5	66,395	5	81,583	5	96,771	5	111,958	5	127,141	5	142,323
1/4	6,649	1/4	21,836	1/4	37,023	1/4	51,565	1/4	66,711	1/4	81,899	1/4	97,087	1/4	112,275	1/4	127,457	1/4	142,640
1/2	6,965	1/2	22,152	1/2	37,340	1/2	51,867	1/2	67,028	1/2	82,216	1/2	97,404	1/2	112,591	1/2	127,773	1/2	142,956
3/4	7,281	3/4	22,469	3/4	37,656	3/4	52,170	3/4	67,344	3/4	82,532	3/4	97,720	3/4	112,907	3/4	128,090	3/4	143,272
6	7,598	6	22,785	6	37,973	6	52,472	6	67,661	6	82,849	6	98,037	6	113,223	6	128,406	6	143,588
1/4	7,914	1/4	23,102	1/4	38,275	1/4	52,789	1/4	67,977	1/4	83,165	1/4	98,353	1/4	113,540	1/4	128,722	1/4	143,905
1/2	8,231	1/2	23,418	1/2	38,578	1/2	53,105	1/2	68,293	1/2	83,481	1/2	98,670	1/2	113,856	1/2	129,039	1/2	144,221
3/4	8,547	3/4	23,734	3/4	38,880	3/4	53,422	3/4	68,610	3/4	83,798	3/4	98,986	3/4	114,172	3/4	129,355	3/4	144,537
7	8,863	7	24,051	7	39,183	7	53,738	7	68,926	7	84,114	7	99,302	7	114,489	7	129,671	7	144,854
1/4	9,180	1/4	24,367	1/4	39,485	1/4	54,055	1/4	69,243	1/4	84,431	1/4	99,619	1/4	114,805	1/4	129,987	1/4	145,170
1/2	9,496	1/2	24,684	1/2	39,787	1/2	54,371	1/2	69,559	1/2	84,747	1/2	99,935	1/2	115,121	1/2	130,304	1/2	145,486
3/4	9,813	3/4	25,000	3/4	40,089	3/4	54,687	3/4	69,875	3/4	85,064	3/4	100,252	3/4	115,438	3/4	130,620	3/4	145,803
8	10,129	8	25,316	8	40,391	8	55,004	8	70,192	8	85,380	8	100,568	8	115,754	8	130,936	8	146,119
1/4	10,445	1/4	25,633	1/4	40,693	1/4	55,320	1/4	70,508	1/4	85,696	1/4	100,885	1/4	116,070	1/4	131,253	1/4	146,435
1/2	10,762	1/2	25,949	1/2	40,995	1/2	55,637	1/2	70,825	1/2	86,013	1/2	101,201	1/2	116,386	1/2	131,569	1/2	146,751
3/4	11,078	3/4	26,266	3/4	41,297	3/4	55,953	3/4	71,141	3/4	86,329	3/4	101,517	3/4	116,703	3/4	131,885	3/4	147,068
9	11,395	9	26,582	9	41,599	9	56,269	9	71,458	9	86,646	9	101,834	9	117,019	9	132,202	9	147,384
1/4	11,711	1/4	26,898	1/4	41,901	1/4	56,586	1/4	71,774	1/4	86,962	1/4	102,150	1/4	117,335	1/4	132,518	1/4	147,700
1/2	12,027	1/2	27,215	1/2	42,203	1/2	56,902	1/2	72,090	1/2	87,279	1/2	102,467	1/2	117,652	1/2	132,834	1/2	148,017
3/4	12,344	3/4	27,531	3/4	42,505	3/4	57,219	3/4	72,407	3/4	87,595	3/4	102,783	3/4	117,968	3/4	133,150	3/4	148,333
10	12,660	10	27,848	10	42,807	10	57,535	10	72,723	10	87,911	10	103,099	10	118,284	10	133,467	10	148,649
1/4	12,977	1/4	28,164	1/4	43,109	1/4	57,852	1/4	73,040	1/4	88,228	1/4	103,416	1/4	118,601	1/4	133,783	1/4	148,966
1/2	13,293	1/2	28,480	1/2	43,411	1/2	58,168	1/2	73,356	1/2	88,544	1/2	103,732	1/2	118,917	1/2	134,099	1/2	149,282
3/4	13,609	3/4	28,797	3/4	43,713	3/4	58,484	3/4	73,673	3/4	88,861	3/4	104,049	3/4	119,233	3/4	134,416	3/4	149,598
11	13,926	11	29,113	11	44,015	11	58,801	11	73,989	11	89,177	11	104,365	11	119,549	11	134,732	11	149,914
1/4	14,242	1/4	29,430	1/4	44,317	1/4	59,117	1/4	74,305	1/4	89,493	1/4	104,682	1/4	119,866	1/4	135,048	1/4	150,231
1/2	14,559	1/2	29,746	1/2	44,619	1/2	59,434	1/2	74,622	1/2	89,810	1/2	104,998	1/2	120,182	1/2	135,365	1/2	150,547
3/4	14,875	3/4	30,063	3/4	44,921	3/4	59,750	3/4	74,938	3/4	90,126	3/4	105,314	3/4	120,498	3/4	135,681	3/4	150,863

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 TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "CBC 389"

2 STBD
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-07 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	151,180	0	166,362	0	181,545	0	196,727	0	211,845	0		0		0		0		0	
1/4	151,496	1/4	166,678	1/4	181,861	1/4	197,043	1/4	212,157	1/4		1/4		1/4		1/4		1/4	
1/2	151,812	1/2	166,995	1/2	182,177	1/2	197,360	1/2	212,469	1/2		1/2		1/2		1/2		1/2	
3/4	152,129	3/4	167,311	3/4	182,494	3/4	197,676	3/4	212,782	3/4		3/4		3/4		3/4		3/4	
1	152,445	1	167,627	1	182,810	1	197,992	1	213,094	1		1		1		1		1	
1/4	152,761	1/4	167,944	1/4	183,126	1/4	198,307	1/4	213,406	1/4		1/4		1/4		1/4		1/4	
1/2	153,077	1/2	168,260	1/2	183,442	1/2	198,623	1/2	213,718	1/2		1/2		1/2		1/2		1/2	
3/4	153,394	3/4	168,576	3/4	183,759	3/4	198,938	3/4	214,030	3/4		3/4		3/4		3/4		3/4	
2	153,710	2	168,893	2	184,075	2	199,253	2	214,342	2		2		2		2		2	
1/4	154,026	1/4	169,209	1/4	184,391	1/4	199,568	1/4	214,655	1/4		1/4		1/4		1/4		1/4	
1/2	154,343	1/2	169,525	1/2	184,708	1/2	199,883	1/2	214,967	1/2		1/2		1/2		1/2		1/2	
3/4	154,659	3/4	169,841	3/4	185,024	3/4	200,198	3/4	215,279	3/4		3/4		3/4		3/4		3/4	
3	154,975	3	170,158	3	185,340	3	200,513	3	215,591	3		3		3		3		3	
1/4	155,292	1/4	170,474	1/4	185,657	1/4	200,828	1/4	215,903	1/4		1/4		1/4		1/4		1/4	
1/2	155,608	1/2	170,790	1/2	185,973	1/2	201,143	1/2	216,214	1/2		1/2		1/2		1/2		1/2	
3/4	155,924	3/4	171,107	3/4	186,289	3/4	201,458	3/4	216,526	3/4		3/4		3/4		3/4		3/4	
4	156,241	4	171,423	4	186,606	4	201,773	4	216,838	4		4		4		4		4	
1/4	156,557	1/4	171,739	1/4	186,922	1/4	202,088	1/4	217,149	1/4		1/4		1/4		1/4		1/4	
1/2	156,873	1/2	172,056	1/2	187,238	1/2	202,403	1/2	217,459	1/2		1/2		1/2		1/2		1/2	
3/4	157,189	3/4	172,372	3/4	187,554	3/4	202,719	3/4	217,770	3/4		3/4		3/4		3/4		3/4	
5	157,506	5	172,688	5	187,871	5	203,034	5	218,081	5		5		5		5		5	
1/4	157,822	1/4	173,005	1/4	188,187	1/4	203,349	1/4	218,366	1/4		1/4		1/4		1/4		1/4	
1/2	158,138	1/2	173,321	1/2	188,503	1/2	203,664	1/2	218,652	1/2		1/2		1/2		1/2		1/2	
3/4	158,455	3/4	173,637	3/4	188,820	3/4	203,979	3/4	218,938	3/4		3/4		3/4		3/4		3/4	
6	158,771	6	173,953	6	189,136	6	204,294	6	219,223	6		6		6		6		6	
1/4	159,087	1/4	174,270	1/4	189,452	1/4	204,609	1/4	219,457	1/4		1/4		1/4		1/4		1/4	
1/2	159,404	1/2	174,586	1/2	189,769	1/2	204,924	1/2	219,690	1/2		1/2		1/2		1/2		1/2	
3/4	159,720	3/4	174,902	3/4	190,085	3/4	205,239	3/4	219,923	3/4		3/4		3/4		3/4		3/4	
7	160,036	7	175,219	7	190,401	7	205,554	7	220,156	7		7		7		7		7	
1/4	160,352	1/4	175,535	1/4	190,717	1/4	205,869	1/4	220,337	1/4		1/4		1/4		1/4		1/4	
1/2	160,669	1/2	175,851	1/2	191,034	1/2	206,184	1/2	220,519	1/2		1/2		1/2		1/2		1/2	
3/4	160,985	3/4	176,168	3/4	191,350	3/4	206,500	3/4	220,700	3/4		3/4		3/4		3/4		3/4	
8	161,301	8	176,484	8	191,666	8	206,815	8	220,882	8		8		8		8		8	
1/4	161,618	1/4	176,800	1/4	191,983	1/4	207,130	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,934	1/2	177,116	1/2	192,299	1/2	207,445	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,250	3/4	177,433	3/4	192,615	3/4	207,760	3/4		3/4		3/4		3/4		3/4		3/4	
9	162,567	9	177,749	9	192,932	9	208,075	9		9		9		9		9		9	
1/4	162,883	1/4	178,065	1/4	193,248	1/4	208,390	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,199	1/2	178,382	1/2	193,564	1/2	208,705	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,515	3/4	178,698	3/4	193,880	3/4	209,020	3/4		3/4		3/4		3/4		3/4		3/4	
10	163,832	10	179,014	10	194,197	10	209,336	10		10		10		10		10		10	
1/4	164,148	1/4	179,331	1/4	194,513	1/4	209,651	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,464	1/2	179,647	1/2	194,829	1/2	209,966	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,781	3/4	179,963	3/4	195,146	3/4	210,281	3/4		3/4		3/4		3/4		3/4		3/4	
11	165,097	11	180,279	11	195,462	11	210,596	11		11		11		11		11		11	
1/4	165,413	1/4	180,596	1/4	195,778	1/4	210,909	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	165,730	1/2	180,912	1/2	196,095	1/2	211,221	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	166,046	3/4	181,228	3/4	196,411	3/4	211,533	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/17/2013 SW
CALCULATED: 10/18/2013 CL
PRINTED: 10/19/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 389"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	957	0	15,119	0	30,234	0	45,340	0	60,448	0	75,564	0	90,678	0	105,790	0	120,893	0	135,959
1/4	1,141	1/4	15,434	1/4	30,549	1/4	45,654	1/4	60,763	1/4	75,879	1/4	90,993	1/4	106,105	1/4	121,208	1/4	136,272
1/2	1,325	1/2	15,749	1/2	30,864	1/2	45,969	1/2	61,078	1/2	76,194	1/2	91,308	1/2	106,420	1/2	121,522	1/2	136,585
3/4	1,508	3/4	16,064	3/4	31,178	3/4	46,283	3/4	61,393	3/4	76,509	3/4	91,623	3/4	106,734	3/4	121,836	3/4	136,898
1	1,692	1	16,379	1	31,493	1	46,598	1	61,708	1	76,823	1	91,937	1	107,049	1	122,150	1	137,211
1/4	1,928	1/4	16,693	1/4	31,808	1/4	46,912	1/4	62,023	1/4	77,138	1/4	92,252	1/4	107,364	1/4	122,465	1/4	137,523
1/2	2,164	1/2	17,008	1/2	32,123	1/2	47,227	1/2	62,338	1/2	77,453	1/2	92,567	1/2	107,679	1/2	122,779	1/2	137,836
3/4	2,400	3/4	17,323	3/4	32,438	3/4	47,541	3/4	62,653	3/4	77,768	3/4	92,882	3/4	107,994	3/4	123,093	3/4	138,149
2	2,636	2	17,638	2	32,753	2	47,856	2	62,968	2	78,083	2	93,197	2	108,309	2	123,407	2	138,462
1/4	2,925	1/4	17,953	1/4	33,068	1/4	48,170	1/4	63,283	1/4	78,398	1/4	93,512	1/4	108,623	1/4	123,722	1/4	138,775
1/2	3,214	1/2	18,268	1/2	33,383	1/2	48,485	1/2	63,597	1/2	78,713	1/2	93,826	1/2	108,938	1/2	124,036	1/2	139,087
3/4	3,502	3/4	18,583	3/4	33,698	3/4	48,799	3/4	63,912	3/4	79,028	3/4	94,141	3/4	109,253	3/4	124,350	3/4	139,400
3	3,791	3	18,898	3	34,012	3	49,114	3	64,227	3	79,343	3	94,456	3	109,568	3	124,664	3	139,713
1/4	4,104	1/4	19,213	1/4	34,327	1/4	49,428	1/4	64,542	1/4	79,658	1/4	94,771	1/4	109,883	1/4	124,979	1/4	140,027
1/2	4,418	1/2	19,527	1/2	34,642	1/2	49,743	1/2	64,857	1/2	79,973	1/2	95,086	1/2	110,197	1/2	125,293	1/2	140,340
3/4	4,731	3/4	19,842	3/4	34,957	3/4	50,057	3/4	65,172	3/4	80,287	3/4	95,401	3/4	110,512	3/4	125,607	3/4	140,653
4	5,044	4	20,157	4	35,272	4	50,372	4	65,487	4	80,602	4	95,715	4	110,827	4	125,921	4	140,967
1/4	5,359	1/4	20,472	1/4	35,587	1/4	50,687	1/4	65,802	1/4	80,917	1/4	96,030	1/4	111,142	1/4	126,235	1/4	141,280
1/2	5,673	1/2	20,787	1/2	35,902	1/2	51,002	1/2	66,117	1/2	81,232	1/2	96,345	1/2	111,456	1/2	126,550	1/2	141,594
3/4	5,988	3/4	21,102	3/4	36,217	3/4	51,316	3/4	66,432	3/4	81,547	3/4	96,660	3/4	111,771	3/4	126,864	3/4	141,907
5	6,302	5	21,417	5	36,532	5	51,631	5	66,747	5	81,862	5	96,975	5	112,086	5	127,178	5	142,221
1/4	6,617	1/4	21,732	1/4	36,847	1/4	51,946	1/4	67,061	1/4	82,177	1/4	97,290	1/4	112,401	1/4	127,492	1/4	142,534
1/2	6,932	1/2	22,047	1/2	37,161	1/2	52,261	1/2	67,376	1/2	82,492	1/2	97,604	1/2	112,716	1/2	127,807	1/2	142,848
3/4	7,247	3/4	22,361	3/4	37,476	3/4	52,576	3/4	67,691	3/4	82,807	3/4	97,919	3/4	113,030	3/4	128,121	3/4	143,161
6	7,562	6	22,676	6	37,791	6	52,891	6	68,006	6	83,122	6	98,234	6	113,345	6	128,435	6	143,474
1/4	7,876	1/4	22,991	1/4	38,106	1/4	53,206	1/4	68,321	1/4	83,436	1/4	98,549	1/4	113,660	1/4	128,749	1/4	143,788
1/2	8,191	1/2	23,306	1/2	38,420	1/2	53,521	1/2	68,636	1/2	83,751	1/2	98,864	1/2	113,975	1/2	129,064	1/2	144,101
3/4	8,506	3/4	23,621	3/4	38,735	3/4	53,835	3/4	68,951	3/4	84,066	3/4	99,178	3/4	114,289	3/4	129,378	3/4	144,415
7	8,821	7	23,936	7	39,050	7	54,150	7	69,266	7	84,381	7	99,493	7	114,604	7	129,692	7	144,728
1/4	9,136	1/4	24,251	1/4	39,364	1/4	54,465	1/4	69,581	1/4	84,696	1/4	99,808	1/4	114,919	1/4	130,006	1/4	145,042
1/2	9,451	1/2	24,566	1/2	39,679	1/2	54,780	1/2	69,896	1/2	85,011	1/2	100,123	1/2	115,234	1/2	130,321	1/2	145,355
3/4	9,766	3/4	24,881	3/4	39,993	3/4	55,095	3/4	70,210	3/4	85,326	3/4	100,438	3/4	115,548	3/4	130,635	3/4	145,669
8	10,081	8	25,195	8	40,308	8	55,410	8	70,525	8	85,641	8	100,753	8	115,863	8	130,949	8	145,982
1/4	10,396	1/4	25,510	1/4	40,622	1/4	55,725	1/4	70,840	1/4	85,956	1/4	101,067	1/4	116,178	1/4	131,263	1/4	146,296
1/2	10,710	1/2	25,825	1/2	40,937	1/2	56,040	1/2	71,155	1/2	86,270	1/2	101,382	1/2	116,493	1/2	131,577	1/2	146,609
3/4	11,025	3/4	26,140	3/4	41,251	3/4	56,355	3/4	71,470	3/4	86,585	3/4	101,697	3/4	116,808	3/4	131,892	3/4	146,922
9	11,340	9	26,455	9	41,566	9	56,670	9	71,785	9	86,900	9	102,012	9	117,123	9	132,206	9	147,236
1/4	11,655	1/4	26,770	1/4	41,880	1/4	56,984	1/4	72,100	1/4	87,215	1/4	102,327	1/4	117,437	1/4	132,519	1/4	147,405
1/2	11,970	1/2	27,085	1/2	42,195	1/2	57,299	1/2	72,415	1/2	87,530	1/2	102,642	1/2	117,751	1/2	132,832	1/2	147,575
3/4	12,285	3/4	27,400	3/4	42,509	3/4	57,614	3/4	72,730	3/4	87,845	3/4	102,956	3/4	118,065	3/4	133,144	3/4	147,744
10	12,600	10	27,715	10	42,824	10	57,929	10	73,045	10	88,159	10	103,271	10	118,380	10	133,457	10	147,913
1/4	12,915	1/4	28,030	1/4	43,138	1/4	58,244	1/4	73,360	1/4	88,474	1/4	103,586	1/4	118,694	1/4	133,770	1/4	148,083
1/2	13,230	1/2	28,344	1/2	43,453	1/2	58,559	1/2	73,674	1/2	88,789	1/2	103,901	1/2	119,008	1/2	134,083	1/2	148,252
3/4	13,544	3/4	28,659	3/4	43,767	3/4	58,874	3/4	73,989	3/4	89,104	3/4	104,216	3/4	119,322	3/4	134,396	3/4	148,421
11	13,859	11	28,974	11	44,082	11	59,189	11	74,304	11	89,419	11	104,531	11	119,637	11	134,708	11	148,591
1/4	14,174	1/4	29,289	1/4	44,396	1/4	59,504	1/4	74,619	1/4	89,734	1/4	104,845	1/4	119,951	1/4	135,021	1/4	148,760
1/2	14,489	1/2	29,604	1/2	44,711	1/2	59,819	1/2	74,934	1/2	90,048	1/2	105,160	1/2	120,265	1/2	135,334	1/2	148,929
3/4	14,804	3/4	29,919	3/4	45,025	3/4	60,134	3/4	75,249	3/4	90,363	3/4	105,475	3/4	120,579	3/4	135,647	3/4	149,099

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 TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 55'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 389"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	149,268	0	157,396	0	165,525	0	173,653	0	181,748	0		0		0		0		0	
1/4	149,437	1/4	157,566	1/4	165,694	1/4	173,822	1/4	181,915	1/4		1/4		1/4		1/4		1/4	
1/2	149,607	1/2	157,735	1/2	165,863	1/2	173,992	1/2	182,082	1/2		1/2		1/2		1/2		1/2	
3/4	149,776	3/4	157,904	3/4	166,033	3/4	174,161	3/4	182,249	3/4		3/4		3/4		3/4		3/4	
1	149,945	1	158,074	1	166,202	1	174,330	1	182,416	1		1		1		1		1	
1/4	150,115	1/4	158,243	1/4	166,371	1/4	174,499	1/4	182,583	1/4		1/4		1/4		1/4		1/4	
1/2	150,284	1/2	158,412	1/2	166,541	1/2	174,668	1/2	182,751	1/2		1/2		1/2		1/2		1/2	
3/4	150,453	3/4	158,582	3/4	166,710	3/4	174,837	3/4	182,918	3/4		3/4		3/4		3/4		3/4	
2	150,623	2	158,751	2	166,879	2	175,005	2	183,085	2		2		2		2		2	
1/4	150,792	1/4	158,920	1/4	167,049	1/4	175,174	1/4	183,252	1/4		1/4		1/4		1/4		1/4	
1/2	150,961	1/2	159,090	1/2	167,218	1/2	175,343	1/2	183,419	1/2		1/2		1/2		1/2		1/2	
3/4	151,131	3/4	159,259	3/4	167,387	3/4	175,511	3/4	183,586	3/4		3/4		3/4		3/4		3/4	
3	151,300	3	159,428	3	167,557	3	175,680	3	183,753	3		3		3		3		3	
1/4	151,469	1/4	159,598	1/4	167,726	1/4	175,849	1/4	183,920	1/4		1/4		1/4		1/4		1/4	
1/2	151,639	1/2	159,767	1/2	167,895	1/2	176,018	1/2	184,086	1/2		1/2		1/2		1/2		1/2	
3/4	151,808	3/4	159,936	3/4	168,065	3/4	176,186	3/4	184,253	3/4		3/4		3/4		3/4		3/4	
4	151,977	4	160,106	4	168,234	4	176,355	4	184,420	4		4		4		4		4	
1/4	152,147	1/4	160,275	1/4	168,403	1/4	176,524	1/4	184,585	1/4		1/4		1/4		1/4		1/4	
1/2	152,316	1/2	160,444	1/2	168,573	1/2	176,693	1/2	184,751	1/2		1/2		1/2		1/2		1/2	
3/4	152,485	3/4	160,614	3/4	168,742	3/4	176,861	3/4	184,917	3/4		3/4		3/4		3/4		3/4	
5	152,655	5	160,783	5	168,911	5	177,030	5	185,082	5		5		5		5		5	
1/4	152,824	1/4	160,952	1/4	169,081	1/4	177,199	1/4	185,223	1/4		1/4		1/4		1/4		1/4	
1/2	152,993	1/2	161,122	1/2	169,250	1/2	177,367	1/2	185,364	1/2		1/2		1/2		1/2		1/2	
3/4	153,163	3/4	161,291	3/4	169,419	3/4	177,536	3/4	185,505	3/4		3/4		3/4		3/4		3/4	
6	153,332	6	161,460	6	169,589	6	177,705	6	185,646	6		6		6		6		6	
1/4	153,501	1/4	161,630	1/4	169,758	1/4	177,874	1/4	185,734	1/4		1/4		1/4		1/4		1/4	
1/2	153,671	1/2	161,799	1/2	169,927	1/2	178,042	1/2	185,822	1/2		1/2		1/2		1/2		1/2	
3/4	153,840	3/4	161,968	3/4	170,097	3/4	178,211	3/4	185,911	3/4		3/4		3/4		3/4		3/4	
7	154,010	7	162,138	7	170,266	7	178,380	7	185,999	7		7		7		7		7	
1/4	154,179	1/4	162,307	1/4	170,435	1/4	178,549	1/4	186,036	1/4		1/4		1/4		1/4		1/4	
1/2	154,348	1/2	162,477	1/2	170,605	1/2	178,717	1/2	186,072	1/2		1/2		1/2		1/2		1/2	
3/4	154,518	3/4	162,646	3/4	170,774	3/4	178,886	3/4	186,109	3/4		3/4		3/4		3/4		3/4	
8	154,687	8	162,815	8	170,944	8	179,055	8	186,145	8		8		8		8		8	
1/4	154,856	1/4	162,985	1/4	171,113	1/4	179,223	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,026	1/2	163,154	1/2	171,282	1/2	179,392	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,195	3/4	163,323	3/4	171,452	3/4	179,561	3/4		3/4		3/4		3/4		3/4		3/4	
9	155,364	9	163,493	9	171,621	9	179,730	9		9		9		9		9		9	
1/4	155,534	1/4	163,662	1/4	171,790	1/4	179,898	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,703	1/2	163,831	1/2	171,960	1/2	180,067	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,872	3/4	164,001	3/4	172,129	3/4	180,236	3/4		3/4		3/4		3/4		3/4		3/4	
10	156,042	10	164,170	10	172,298	10	180,405	10		10		10		10		10		10	
1/4	156,211	1/4	164,339	1/4	172,468	1/4	180,573	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,380	1/2	164,509	1/2	172,637	1/2	180,742	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,550	3/4	164,678	3/4	172,806	3/4	180,911	3/4		3/4		3/4		3/4		3/4		3/4	
11	156,719	11	164,847	11	172,976	11	181,079	11		11		11		11		11		11	
1/4	156,888	1/4	165,017	1/4	173,145	1/4	181,247	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,058	1/2	165,186	1/2	173,314	1/2	181,414	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,227	3/4	165,355	3/4	173,484	3/4	181,581	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/17/2013 SW
CALCULATED: 10/18/2013 CL
PRINTED: 10/19/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 389"

3 STBD

INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	957	0	15,099	0	30,192	0	44,793	0	59,615	0	74,683	0	89,771	0	104,856	0	119,933	0	134,966
1/4	1,141	1/4	15,413	1/4	30,506	1/4	45,093	1/4	59,927	1/4	74,997	1/4	90,085	1/4	105,171	1/4	120,247	1/4	135,278
1/2	1,325	1/2	15,728	1/2	30,821	1/2	45,393	1/2	60,238	1/2	75,312	1/2	90,400	1/2	105,485	1/2	120,561	1/2	135,590
3/4	1,508	3/4	16,042	3/4	31,135	3/4	45,693	3/4	60,550	3/4	75,626	3/4	90,714	3/4	105,799	3/4	120,875	3/4	135,902
1	1,692	1	16,356	1	31,450	1	45,994	1	60,862	1	75,941	1	91,028	1	106,113	1	121,188	1	136,215
1/4	1,928	1/4	16,671	1/4	31,764	1/4	46,294	1/4	61,174	1/4	76,255	1/4	91,342	1/4	106,428	1/4	121,502	1/4	136,527
1/2	2,164	1/2	16,985	1/2	32,079	1/2	46,594	1/2	61,485	1/2	76,569	1/2	91,657	1/2	106,742	1/2	121,815	1/2	136,839
3/4	2,399	3/4	17,300	3/4	32,393	3/4	46,894	3/4	61,797	3/4	76,884	3/4	91,971	3/4	107,056	3/4	122,128	3/4	137,151
2	2,635	2	17,614	2	32,707	2	47,195	2	62,109	2	77,198	2	92,285	2	107,371	2	122,442	2	137,463
1/4	2,923	1/4	17,929	1/4	33,022	1/4	47,495	1/4	62,423	1/4	77,512	1/4	92,599	1/4	107,685	1/4	122,755	1/4	137,776
1/2	3,210	1/2	18,243	1/2	33,336	1/2	47,795	1/2	62,738	1/2	77,827	1/2	92,914	1/2	107,999	1/2	123,068	1/2	138,088
3/4	3,498	3/4	18,558	3/4	33,651	3/4	48,096	3/4	63,052	3/4	78,141	3/4	93,228	3/4	108,313	3/4	123,382	3/4	138,400
3	3,786	3	18,872	3	33,965	3	48,396	3	63,366	3	78,455	3	93,542	3	108,628	3	123,695	3	138,712
1/4	4,099	1/4	19,186	1/4	34,268	1/4	48,708	1/4	63,681	1/4	78,770	1/4	93,857	1/4	108,942	1/4	124,009	1/4	139,025
1/2	4,412	1/2	19,501	1/2	34,570	1/2	49,020	1/2	63,995	1/2	79,084	1/2	94,171	1/2	109,256	1/2	124,322	1/2	139,338
3/4	4,725	3/4	19,815	3/4	34,873	3/4	49,332	3/4	64,309	3/4	79,398	3/4	94,485	3/4	109,570	3/4	124,635	3/4	139,651
4	5,038	4	20,130	4	35,175	4	49,645	4	64,624	4	79,713	4	94,799	4	109,885	4	124,949	4	139,964
1/4	5,352	1/4	20,444	1/4	35,477	1/4	49,955	1/4	64,938	1/4	80,027	1/4	95,114	1/4	110,199	1/4	125,262	1/4	140,277
1/2	5,666	1/2	20,759	1/2	35,778	1/2	50,266	1/2	65,252	1/2	80,342	1/2	95,428	1/2	110,513	1/2	125,575	1/2	140,590
3/4	5,980	3/4	21,073	3/4	36,079	3/4	50,577	3/4	65,567	3/4	80,656	3/4	95,742	3/4	110,827	3/4	125,889	3/4	140,903
5	6,295	5	21,388	5	36,381	5	50,888	5	65,881	5	80,970	5	96,057	5	111,141	5	126,202	5	141,216
1/4	6,609	1/4	21,702	1/4	36,682	1/4	51,199	1/4	66,196	1/4	81,285	1/4	96,371	1/4	111,456	1/4	126,515	1/4	141,529
1/2	6,923	1/2	22,016	1/2	36,983	1/2	51,510	1/2	66,510	1/2	81,599	1/2	96,685	1/2	111,770	1/2	126,829	1/2	141,841
3/4	7,238	3/4	22,331	3/4	37,285	3/4	51,822	3/4	66,824	3/4	81,913	3/4	96,999	3/4	112,084	3/4	127,142	3/4	142,154
6	7,552	6	22,645	6	37,586	6	52,133	6	67,139	6	82,228	6	97,314	6	112,398	6	127,456	6	142,467
1/4	7,867	1/4	22,960	1/4	37,886	1/4	52,444	1/4	67,453	1/4	82,542	1/4	97,628	1/4	112,713	1/4	127,769	1/4	142,780
1/2	8,181	1/2	23,274	1/2	38,187	1/2	52,756	1/2	67,767	1/2	82,856	1/2	97,942	1/2	113,027	1/2	128,082	1/2	143,093
3/4	8,495	3/4	23,589	3/4	38,487	3/4	53,068	3/4	68,082	3/4	83,171	3/4	98,256	3/4	113,341	3/4	128,396	3/4	143,406
7	8,810	7	23,903	7	38,787	7	53,380	7	68,396	7	83,485	7	98,571	7	113,655	7	128,709	7	143,719
1/4	9,124	1/4	24,217	1/4	39,088	1/4	53,691	1/4	68,710	1/4	83,799	1/4	98,885	1/4	113,969	1/4	129,023	1/4	144,032
1/2	9,439	1/2	24,532	1/2	39,388	1/2	54,003	1/2	69,025	1/2	84,114	1/2	99,199	1/2	114,284	1/2	129,336	1/2	144,345
3/4	9,753	3/4	24,846	3/4	39,688	3/4	54,315	3/4	69,339	3/4	84,428	3/4	99,514	3/4	114,598	3/4	129,650	3/4	144,658
8	10,068	8	25,161	8	39,988	8	54,627	8	69,653	8	84,742	8	99,828	8	114,912	8	129,964	8	144,971
1/4	10,382	1/4	25,475	1/4	40,289	1/4	54,938	1/4	69,968	1/4	85,057	1/4	100,142	1/4	115,226	1/4	130,277	1/4	145,283
1/2	10,697	1/2	25,790	1/2	40,589	1/2	55,250	1/2	70,282	1/2	85,371	1/2	100,456	1/2	115,541	1/2	130,591	1/2	145,596
3/4	11,011	3/4	26,104	3/4	40,889	3/4	55,562	3/4	70,597	3/4	85,685	3/4	100,771	3/4	115,855	3/4	130,905	3/4	145,909
9	11,325	9	26,419	9	41,190	9	55,874	9	70,911	9	86,000	9	101,085	9	116,169	9	131,219	9	146,222
1/4	11,640	1/4	26,733	1/4	41,490	1/4	56,185	1/4	71,225	1/4	86,314	1/4	101,399	1/4	116,483	1/4	131,531	1/4	146,391
1/2	11,954	1/2	27,047	1/2	41,790	1/2	56,497	1/2	71,540	1/2	86,628	1/2	101,714	1/2	116,797	1/2	131,843	1/2	146,560
3/4	12,269	3/4	27,362	3/4	42,090	3/4	56,809	3/4	71,854	3/4	86,942	3/4	102,028	3/4	117,110	3/4	132,155	3/4	146,728
10	12,583	10	27,676	10	42,391	10	57,121	10	72,168	10	87,257	10	102,342	10	117,424	10	132,468	10	146,897
1/4	12,898	1/4	27,991	1/4	42,691	1/4	57,433	1/4	72,483	1/4	87,571	1/4	102,656	1/4	117,738	1/4	132,780	1/4	147,066
1/2	13,212	1/2	28,305	1/2	42,991	1/2	57,744	1/2	72,797	1/2	87,885	1/2	102,971	1/2	118,051	1/2	133,092	1/2	147,235
3/4	13,526	3/4	28,620	3/4	43,291	3/4	58,056	3/4	73,111	3/4	88,200	3/4	103,285	3/4	118,365	3/4	133,404	3/4	147,404
11	13,841	11	28,934	11	43,592	11	58,368	11	73,426	11	88,514	11	103,599	11	118,679	11	133,717	11	147,572
1/4	14,155	1/4	29,249	1/4	43,892	1/4	58,680	1/4	73,740	1/4	88,828	1/4	103,914	1/4	118,992	1/4	134,029	1/4	147,741
1/2	14,470	1/2	29,563	1/2	44,192	1/2	58,991	1/2	74,054	1/2	89,142	1/2	104,228	1/2	119,306	1/2	134,341	1/2	147,910
3/4	14,784	3/4	29,877	3/4	44,492	3/4	59,303	3/4	74,369	3/4	89,457	3/4	104,542	3/4	119,620	3/4	134,653	3/4	148,079

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 TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 55'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 389"

3 STBD
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	148,247	0	156,348	0	164,450	0	172,551	0	180,618	0		0		0		0		0	
1/4	148,416	1/4	156,517	1/4	164,618	1/4	172,719	1/4	180,785	1/4		1/4		1/4		1/4		1/4	
1/2	148,585	1/2	156,686	1/2	164,787	1/2	172,888	1/2	180,951	1/2		1/2		1/2		1/2		1/2	
3/4	148,754	3/4	156,855	3/4	164,956	3/4	173,057	3/4	181,118	3/4		3/4		3/4		3/4		3/4	
1	148,922	1	157,024	1	165,125	1	173,226	1	181,284	1		1		1		1		1	
1/4	149,091	1/4	157,192	1/4	165,293	1/4	173,394	1/4	181,451	1/4		1/4		1/4		1/4		1/4	
1/2	149,260	1/2	157,361	1/2	165,462	1/2	173,562	1/2	181,618	1/2		1/2		1/2		1/2		1/2	
3/4	149,429	3/4	157,530	3/4	165,631	3/4	173,730	3/4	181,784	3/4		3/4		3/4		3/4		3/4	
2	149,598	2	157,699	2	165,800	2	173,898	2	181,951	2		2		2		2		2	
1/4	149,766	1/4	157,867	1/4	165,968	1/4	174,066	1/4	182,117	1/4		1/4		1/4		1/4		1/4	
1/2	149,935	1/2	158,036	1/2	166,137	1/2	174,235	1/2	182,284	1/2		1/2		1/2		1/2		1/2	
3/4	150,104	3/4	158,205	3/4	166,306	3/4	174,403	3/4	182,450	3/4		3/4		3/4		3/4		3/4	
3	150,273	3	158,374	3	166,475	3	174,571	3	182,617	3		3		3		3		3	
1/4	150,441	1/4	158,542	1/4	166,644	1/4	174,739	1/4	182,783	1/4		1/4		1/4		1/4		1/4	
1/2	150,610	1/2	158,711	1/2	166,812	1/2	174,907	1/2	182,949	1/2		1/2		1/2		1/2		1/2	
3/4	150,779	3/4	158,880	3/4	166,981	3/4	175,075	3/4	183,115	3/4		3/4		3/4		3/4		3/4	
4	150,948	4	159,049	4	167,150	4	175,244	4	183,281	4		4		4		4		4	
1/4	151,117	1/4	159,218	1/4	167,319	1/4	175,412	1/4	183,446	1/4		1/4		1/4		1/4		1/4	
1/2	151,285	1/2	159,386	1/2	167,487	1/2	175,580	1/2	183,611	1/2		1/2		1/2		1/2		1/2	
3/4	151,454	3/4	159,555	3/4	167,656	3/4	175,748	3/4	183,776	3/4		3/4		3/4		3/4		3/4	
5	151,623	5	159,724	5	167,825	5	175,916	5	183,941	5		5		5		5		5	
1/4	151,792	1/4	159,893	1/4	167,994	1/4	176,084	1/4	184,082	1/4		1/4		1/4		1/4		1/4	
1/2	151,960	1/2	160,061	1/2	168,162	1/2	176,253	1/2	184,222	1/2		1/2		1/2		1/2		1/2	
3/4	152,129	3/4	160,230	3/4	168,331	3/4	176,421	3/4	184,362	3/4		3/4		3/4		3/4		3/4	
6	152,298	6	160,399	6	168,500	6	176,589	6	184,502	6		6		6		6		6	
1/4	152,467	1/4	160,568	1/4	168,669	1/4	176,757	1/4	184,590	1/4		1/4		1/4		1/4		1/4	
1/2	152,635	1/2	160,737	1/2	168,838	1/2	176,925	1/2	184,678	1/2		1/2		1/2		1/2		1/2	
3/4	152,804	3/4	160,905	3/4	169,006	3/4	177,093	3/4	184,766	3/4		3/4		3/4		3/4		3/4	
7	152,973	7	161,074	7	169,175	7	177,262	7	184,854	7		7		7		7		7	
1/4	153,142	1/4	161,243	1/4	169,344	1/4	177,430	1/4	184,890	1/4		1/4		1/4		1/4		1/4	
1/2	153,311	1/2	161,412	1/2	169,513	1/2	177,598	1/2	184,926	1/2		1/2		1/2		1/2		1/2	
3/4	153,479	3/4	161,580	3/4	169,681	3/4	177,766	3/4	184,961	3/4		3/4		3/4		3/4		3/4	
8	153,648	8	161,749	8	169,850	8	177,934	8	184,997	8		8		8		8		8	
1/4	153,817	1/4	161,918	1/4	170,019	1/4	178,102	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	153,986	1/2	162,087	1/2	170,188	1/2	178,270	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,154	3/4	162,255	3/4	170,357	3/4	178,439	3/4		3/4		3/4		3/4		3/4		3/4	
9	154,323	9	162,424	9	170,525	9	178,607	9		9		9		9		9		9	
1/4	154,492	1/4	162,593	1/4	170,694	1/4	178,775	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,661	1/2	162,762	1/2	170,863	1/2	178,943	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,829	3/4	162,931	3/4	171,032	3/4	179,111	3/4		3/4		3/4		3/4		3/4		3/4	
10	154,998	10	163,099	10	171,200	10	179,279	10		10		10		10		10		10	
1/4	155,167	1/4	163,268	1/4	171,369	1/4	179,448	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,336	1/2	163,437	1/2	171,538	1/2	179,616	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,505	3/4	163,606	3/4	171,707	3/4	179,784	3/4		3/4		3/4		3/4		3/4		3/4	
11	155,673	11	163,774	11	171,875	11	179,952	11		11		11		11		11		11	
1/4	155,842	1/4	163,943	1/4	172,044	1/4	180,119	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,011	1/2	164,112	1/2	172,213	1/2	180,285	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,180	3/4	164,281	3/4	172,382	3/4	180,452	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/17/2013 SW
CALCULATED: 10/18/2013 CL
PRINTED: 10/19/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 389"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8
1 STBD	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8
2 PORT	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8
2 STBD	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8
3 PORT	00-1/2	- 00-1/2	01-1/8	- 01-1/8	01-5/8	- 01-5/8	02-1/4	- 02-1/4	02-3/4	- 02-3/4	03-3/8	- 03-3/8
3 STBD	00-1/2	- 00-1/2	01-1/8	- 01-1/8	01-5/8	- 01-5/8	02-1/4	- 02-1/4	02-3/4	- 02-3/4	03-3/8	- 03-3/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 253'-09"

October 17, 2013

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

<http://www.pmacorp.net>



BARGE "CBC 389"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	208,588	0	193,408	0	178,190	0	162,973	0	147,756	0	132,539	0	117,322	0	102,101
1/4		1/4		1/4	208,272	1/4	193,090	1/4	177,873	1/4	162,656	1/4	147,439	1/4	132,222	1/4	117,005	1/4	101,784
1/2		1/2	222,056	1/2	207,956	1/2	192,773	1/2	177,556	1/2	162,339	1/2	147,122	1/2	131,905	1/2	116,688	1/2	101,467
3/4		3/4	221,874	3/4	207,641	3/4	192,456	3/4	177,239	3/4	162,022	3/4	146,805	3/4	131,588	3/4	116,370	3/4	101,150
1		1	221,692	1	207,325	1	192,139	1	176,922	1	161,705	1	146,488	1	131,271	1	116,053	1	100,833
1/4		1/4	221,510	1/4	207,009	1/4	191,822	1/4	176,605	1/4	161,388	1/4	146,171	1/4	130,954	1/4	115,736	1/4	100,516
1/2		1/2	221,328	1/2	206,693	1/2	191,505	1/2	176,288	1/2	161,071	1/2	145,854	1/2	130,637	1/2	115,419	1/2	100,199
3/4		3/4	221,095	3/4	206,377	3/4	191,188	3/4	175,971	3/4	160,754	3/4	145,537	3/4	130,320	3/4	115,102	3/4	99,881
2		2	220,861	2	206,062	2	190,871	2	175,654	2	160,437	2	145,220	2	130,003	2	114,785	2	99,564
1/4		1/4	220,628	1/4	205,746	1/4	190,554	1/4	175,337	1/4	160,120	1/4	144,903	1/4	129,686	1/4	114,468	1/4	99,247
1/2		1/2	220,394	1/2	205,430	1/2	190,237	1/2	175,020	1/2	159,803	1/2	144,586	1/2	129,369	1/2	114,151	1/2	98,930
3/4		3/4	220,108	3/4	205,114	3/4	189,920	3/4	174,703	3/4	159,486	3/4	144,269	3/4	129,051	3/4	113,834	3/4	98,613
3		3	219,821	3	204,798	3	189,603	3	174,386	3	159,169	3	143,952	3	128,734	3	113,517	3	98,296
1/4		1/4	219,535	1/4	204,483	1/4	189,286	1/4	174,069	1/4	158,852	1/4	143,635	1/4	128,417	1/4	113,200	1/4	97,979
1/2		1/2	219,248	1/2	204,167	1/2	188,969	1/2	173,752	1/2	158,535	1/2	143,318	1/2	128,100	1/2	112,883	1/2	97,661
3/4		3/4	218,937	3/4	203,851	3/4	188,652	3/4	173,435	3/4	158,218	3/4	143,001	3/4	127,783	3/4	112,566	3/4	97,344
4		4	218,626	4	203,535	4	188,335	4	173,118	4	157,901	4	142,684	4	127,466	4	112,249	4	97,027
1/4		1/4	218,314	1/4	203,219	1/4	188,018	1/4	172,801	1/4	157,584	1/4	142,367	1/4	127,149	1/4	111,932	1/4	96,710
1/2		1/2	218,003	1/2	202,904	1/2	187,701	1/2	172,484	1/2	157,267	1/2	142,050	1/2	126,832	1/2	111,615	1/2	96,393
3/4		3/4	217,690	3/4	202,588	3/4	187,384	3/4	172,167	3/4	156,950	3/4	141,732	3/4	126,515	3/4	111,298	3/4	96,076
5		5	217,378	5	202,272	5	187,067	5	171,850	5	156,633	5	141,415	5	126,198	5	110,981	5	95,759
1/4		1/4	217,065	1/4	201,956	1/4	186,750	1/4	171,533	1/4	156,316	1/4	141,098	1/4	125,881	1/4	110,664	1/4	95,441
1/2		1/2	216,753	1/2	201,640	1/2	186,433	1/2	171,216	1/2	155,999	1/2	140,781	1/2	125,564	1/2	110,347	1/2	95,124
3/4		3/4	216,440	3/4	201,325	3/4	186,116	3/4	170,899	3/4	155,682	3/4	140,464	3/4	125,247	3/4	110,030	3/4	94,807
6		6	216,127	6	201,009	6	185,799	6	170,582	6	155,365	6	140,147	6	124,930	6	109,713	6	94,490
1/4		1/4	215,814	1/4	200,693	1/4	185,482	1/4	170,265	1/4	155,048	1/4	139,830	1/4	124,613	1/4	109,396	1/4	94,173
1/2		1/2	215,502	1/2	200,377	1/2	185,165	1/2	169,948	1/2	154,730	1/2	139,513	1/2	124,296	1/2	109,078	1/2	93,856
3/4		3/4	215,189	3/4	200,061	3/4	184,848	3/4	169,631	3/4	154,413	3/4	139,196	3/4	123,979	3/4	108,761	3/4	93,539
7		7	214,876	7	199,746	7	184,531	7	169,314	7	154,096	7	138,879	7	123,662	7	108,444	7	93,221
1/4		1/4	214,563	1/4	199,430	1/4	184,214	1/4	168,997	1/4	153,779	1/4	138,562	1/4	123,345	1/4	108,127	1/4	92,904
1/2		1/2	214,250	1/2	199,114	1/2	183,897	1/2	168,680	1/2	153,462	1/2	138,245	1/2	123,028	1/2	107,810	1/2	92,587
3/4		3/4	213,937	3/4	198,797	3/4	183,580	3/4	168,363	3/4	153,145	3/4	137,928	3/4	122,711	3/4	107,493	3/4	92,270
8		8	213,624	8	198,480	8	183,263	8	168,046	8	152,828	8	137,611	8	122,394	8	107,176	8	91,953
1/4		1/4	213,311	1/4	198,163	1/4	182,946	1/4	167,729	1/4	152,511	1/4	137,294	1/4	122,077	1/4	106,858	1/4	91,636
1/2		1/2	212,998	1/2	197,846	1/2	182,629	1/2	167,411	1/2	152,194	1/2	136,977	1/2	121,760	1/2	106,541	1/2	91,319
3/4		3/4	212,686	3/4	197,529	3/4	182,312	3/4	167,094	3/4	151,877	3/4	136,660	3/4	121,443	3/4	106,224	3/4	91,001
9		9	212,373	9	197,212	9	181,995	9	166,777	9	151,560	9	136,343	9	121,126	9	105,907	9	90,684
1/4		1/4	212,060	1/4	196,895	1/4	181,678	1/4	166,460	1/4	151,243	1/4	136,026	1/4	120,809	1/4	105,590	1/4	90,367
1/2		1/2	211,747	1/2	196,578	1/2	181,361	1/2	166,143	1/2	150,926	1/2	135,709	1/2	120,492	1/2	105,273	1/2	90,050
3/4		3/4	211,431	3/4	196,261	3/4	181,044	3/4	165,826	3/4	150,609	3/4	135,392	3/4	120,175	3/4	104,956	3/4	89,733
10		10	211,115	10	195,944	10	180,727	10	165,509	10	150,292	10	135,075	10	119,858	10	104,638	10	89,416
1/4		1/4	210,799	1/4	195,627	1/4	180,410	1/4	165,192	1/4	149,975	1/4	134,758	1/4	119,541	1/4	104,321	1/4	89,099
1/2		1/2	210,483	1/2	195,310	1/2	180,092	1/2	164,875	1/2	149,658	1/2	134,441	1/2	119,224	1/2	104,004	1/2	88,781
3/4		3/4	210,167	3/4	194,993	3/4	179,775	3/4	164,558	3/4	149,341	3/4	134,124	3/4	118,907	3/4	103,687	3/4	88,464
11		11	209,851	11	194,676	11	179,458	11	164,241	11	149,024	11	133,807	11	118,590	11	103,370	11	88,147
1/4		1/4	209,536	1/4	194,359	1/4	179,141	1/4	163,924	1/4	148,707	1/4	133,490	1/4	118,273	1/4	103,053	1/4	87,830
1/2		1/2	209,220	1/2	194,042	1/2	178,824	1/2	163,607	1/2	148,390	1/2	133,173	1/2	117,956	1/2	102,736	1/2	87,513
3/4		3/4	208,904	3/4	193,725	3/4	178,507	3/4	163,290	3/4	148,073	3/4	132,856	3/4	117,639	3/4	102,418	3/4	87,196

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 TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 389"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	86,879	0	71,656	0	56,433	0	41,228	0	26,009	0	10,786	0		0		0		0	
1/4	86,561	1/4	71,339	1/4	56,116	1/4	40,911	1/4	25,691	1/4	10,469	1/4		1/4		1/4		1/4	
1/2	86,244	1/2	71,021	1/2	55,799	1/2	40,594	1/2	25,374	1/2	10,152	1/2		1/2		1/2		1/2	
3/4	85,927	3/4	70,704	3/4	55,482	3/4	40,278	3/4	25,057	3/4	9,835	3/4		3/4		3/4		3/4	
1	85,610	1	70,387	1	55,164	1	39,961	1	24,740	1	9,518	1		1		1		1	
1/4	85,293	1/4	70,070	1/4	54,847	1/4	39,645	1/4	24,423	1/4	9,201	1/4		1/4		1/4		1/4	
1/2	84,976	1/2	69,753	1/2	54,530	1/2	39,328	1/2	24,106	1/2	8,884	1/2		1/2		1/2		1/2	
3/4	84,659	3/4	69,436	3/4	54,213	3/4	39,011	3/4	23,789	3/4	8,566	3/4		3/4		3/4		3/4	
2	84,341	2	69,119	2	53,896	2	38,694	2	23,472	2	8,249	2		2		2		2	
1/4	84,024	1/4	68,802	1/4	53,579	1/4	38,377	1/4	23,154	1/4	7,932	1/4		1/4		1/4		1/4	
1/2	83,707	1/2	68,484	1/2	53,262	1/2	38,059	1/2	22,837	1/2	7,615	1/2		1/2		1/2		1/2	
3/4	83,390	3/4	68,167	3/4	52,944	3/4	37,742	3/4	22,520	3/4	7,298	3/4		3/4		3/4		3/4	
3	83,073	3	67,850	3	52,627	3	37,425	3	22,203	3	6,981	3		3		3		3	
1/4	82,756	1/4	67,533	1/4	52,310	1/4	37,108	1/4	21,886	1/4	6,664	1/4		1/4		1/4		1/4	
1/2	82,439	1/2	67,216	1/2	51,993	1/2	36,791	1/2	21,569	1/2	6,347	1/2		1/2		1/2		1/2	
3/4	82,121	3/4	66,899	3/4	51,676	3/4	36,474	3/4	21,252	3/4	6,030	3/4		3/4		3/4		3/4	
4	81,804	4	66,582	4	51,360	4	36,157	4	20,935	4	5,713	4		4		4		4	
1/4	81,487	1/4	66,264	1/4	51,043	1/4	35,840	1/4	20,617	1/4	5,397	1/4		1/4		1/4		1/4	
1/2	81,170	1/2	65,947	1/2	50,727	1/2	35,522	1/2	20,300	1/2	5,080	1/2		1/2		1/2		1/2	
3/4	80,853	3/4	65,630	3/4	50,410	3/4	35,205	3/4	19,983	3/4	4,764	3/4		3/4		3/4		3/4	
5	80,536	5	65,313	5	50,093	5	34,888	5	19,666	5	4,449	5		5		5		5	
1/4	80,219	1/4	64,996	1/4	49,777	1/4	34,571	1/4	19,349	1/4	4,133	1/4		1/4		1/4		1/4	
1/2	79,901	1/2	64,679	1/2	49,460	1/2	34,254	1/2	19,032	1/2	3,818	1/2		1/2		1/2		1/2	
3/4	79,584	3/4	64,362	3/4	49,143	3/4	33,937	3/4	18,715	3/4	3,527	3/4		3/4		3/4		3/4	
6	79,267	6	64,044	6	48,827	6	33,620	6	18,397	6	3,236	6		6		6		6	
1/4	78,950	1/4	63,727	1/4	48,510	1/4	33,303	1/4	18,080	1/4	2,946	1/4		1/4		1/4		1/4	
1/2	78,633	1/2	63,410	1/2	48,194	1/2	32,985	1/2	17,763	1/2	2,655	1/2		1/2		1/2		1/2	
3/4	78,316	3/4	63,093	3/4	47,877	3/4	32,668	3/4	17,446	3/4	2,417	3/4		3/4		3/4		3/4	
7	77,999	7	62,776	7	47,560	7	32,351	7	17,129	7	2,179	7		7		7		7	
1/4	77,681	1/4	62,459	1/4	47,244	1/4	32,034	1/4	16,812	1/4	1,942	1/4		1/4		1/4		1/4	
1/2	77,364	1/2	62,142	1/2	46,927	1/2	31,717	1/2	16,495	1/2	1,704	1/2		1/2		1/2		1/2	
3/4	77,047	3/4	61,824	3/4	46,610	3/4	31,400	3/4	16,178	3/4	1,519	3/4		3/4		3/4		3/4	
8	76,730	8	61,507	8	46,294	8	31,083	8	15,860	8	1,334	8		8		8		8	
1/4	76,413	1/4	61,190	1/4	45,977	1/4	30,766	1/4	15,543	1/4	1,149	1/4		1/4		1/4		1/4	
1/2	76,096	1/2	60,873	1/2	45,660	1/2	30,448	1/2	15,226	1/2	964	1/2		1/2		1/2		1/2	
3/4	75,779	3/4	60,556	3/4	45,344	3/4	30,131	3/4	14,909	3/4		3/4		3/4		3/4		3/4	
9	75,461	9	60,239	9	45,027	9	29,814	9	14,592	9		9		9		9		9	
1/4	75,144	1/4	59,922	1/4	44,711	1/4	29,497	1/4	14,275	1/4		1/4		1/4		1/4		1/4	
1/2	74,827	1/2	59,604	1/2	44,394	1/2	29,180	1/2	13,958	1/2		1/2		1/2		1/2		1/2	
3/4	74,510	3/4	59,287	3/4	44,077	3/4	28,863	3/4	13,641	3/4		3/4		3/4		3/4		3/4	
10	74,193	10	58,970	10	43,761	10	28,546	10	13,323	10		10		10		10		10	
1/4	73,876	1/4	58,653	1/4	43,444	1/4	28,228	1/4	13,006	1/4		1/4		1/4		1/4		1/4	
1/2	73,559	1/2	58,336	1/2	43,127	1/2	27,911	1/2	12,689	1/2		1/2		1/2		1/2		1/2	
3/4	73,241	3/4	58,019	3/4	42,811	3/4	27,594	3/4	12,372	3/4		3/4		3/4		3/4		3/4	
11	72,924	11	57,702	11	42,494	11	27,277	11	12,055	11		11		11		11		11	
1/4	72,607	1/4	57,384	1/4	42,178	1/4	26,960	1/4	11,738	1/4		1/4		1/4		1/4		1/4	
1/2	72,290	1/2	57,067	1/2	41,861	1/2	26,643	1/2	11,421	1/2		1/2		1/2		1/2		1/2	
3/4	71,973	3/4	56,750	3/4	41,544	3/4	26,326	3/4	11,104	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/17/2013 SW
CALCULATED: 10/18/2013 CL
PRINTED: 10/19/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2013

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



BARGE "CBC 389"

1 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	208,242	0	193,057	0	177,836	0	162,615	0	147,394	0	132,173	0	116,953	0	101,729
1/4		1/4	222,029	1/4	207,926	1/4	192,740	1/4	177,519	1/4	162,298	1/4	147,077	1/4	131,856	1/4	116,635	1/4	101,411
1/2		1/2	221,847	1/2	207,610	1/2	192,423	1/2	177,202	1/2	161,981	1/2	146,760	1/2	131,539	1/2	116,318	1/2	101,094
3/4		3/4	221,665	3/4	207,294	3/4	192,105	3/4	176,885	3/4	161,664	3/4	146,443	3/4	131,222	3/4	116,001	3/4	100,777
1		1	221,483	1	206,979	1	191,788	1	176,567	1	161,347	1	146,126	1	130,905	1	115,684	1	100,460
1/4		1/4	221,301	1/4	206,663	1/4	191,471	1/4	176,250	1/4	161,030	1/4	145,809	1/4	130,588	1/4	115,367	1/4	100,142
1/2		1/2	221,067	1/2	206,347	1/2	191,154	1/2	175,933	1/2	160,712	1/2	145,492	1/2	130,271	1/2	115,050	1/2	99,825
3/4		3/4	220,834	3/4	206,031	3/4	190,837	3/4	175,616	3/4	160,395	3/4	145,175	3/4	129,954	3/4	114,733	3/4	99,508
2		2	220,600	2	205,715	2	190,520	2	175,299	2	160,078	2	144,857	2	129,637	2	114,416	2	99,191
1/4		1/4	220,367	1/4	205,399	1/4	190,203	1/4	174,982	1/4	159,761	1/4	144,540	1/4	129,319	1/4	114,099	1/4	98,874
1/2		1/2	220,080	1/2	205,083	1/2	189,886	1/2	174,665	1/2	159,444	1/2	144,223	1/2	129,002	1/2	113,782	1/2	98,556
3/4		3/4	219,794	3/4	204,767	3/4	189,569	3/4	174,348	3/4	159,127	3/4	143,906	3/4	128,685	3/4	113,464	3/4	98,239
3		3	219,507	3	204,452	3	189,252	3	174,031	3	158,810	3	143,589	3	128,368	3	113,147	3	97,922
1/4		1/4	219,221	1/4	204,136	1/4	188,934	1/4	173,714	1/4	158,493	1/4	143,272	1/4	128,051	1/4	112,830	1/4	97,605
1/2		1/2	218,909	1/2	203,820	1/2	188,617	1/2	173,396	1/2	158,176	1/2	142,955	1/2	127,734	1/2	112,513	1/2	97,288
3/4		3/4	218,598	3/4	203,504	3/4	188,300	3/4	173,079	3/4	157,859	3/4	142,638	3/4	127,417	3/4	112,196	3/4	96,970
4		4	218,286	4	203,188	4	187,983	4	172,762	4	157,541	4	142,321	4	127,100	4	111,879	4	96,653
1/4		1/4	217,975	1/4	202,872	1/4	187,666	1/4	172,445	1/4	157,224	1/4	142,004	1/4	126,783	1/4	111,562	1/4	96,336
1/2		1/2	217,662	1/2	202,556	1/2	187,349	1/2	172,128	1/2	156,907	1/2	141,686	1/2	126,466	1/2	111,245	1/2	96,019
3/4		3/4	217,350	3/4	202,240	3/4	187,032	3/4	171,811	3/4	156,590	3/4	141,369	3/4	126,148	3/4	110,928	3/4	95,701
5		5	217,037	5	201,925	5	186,715	5	171,494	5	156,273	5	141,052	5	125,831	5	110,611	5	95,384
1/4		1/4	216,725	1/4	201,609	1/4	186,398	1/4	171,177	1/4	155,956	1/4	140,735	1/4	125,514	1/4	110,293	1/4	95,067
1/2		1/2	216,412	1/2	201,293	1/2	186,081	1/2	170,860	1/2	155,639	1/2	140,418	1/2	125,197	1/2	109,976	1/2	94,750
3/4		3/4	216,099	3/4	200,977	3/4	185,763	3/4	170,543	3/4	155,322	3/4	140,101	3/4	124,880	3/4	109,659	3/4	94,433
6		6	215,786	6	200,661	6	185,446	6	170,225	6	155,005	6	139,784	6	124,563	6	109,342	6	94,115
1/4		1/4	215,473	1/4	200,345	1/4	185,129	1/4	169,908	1/4	154,688	1/4	139,467	1/4	124,246	1/4	109,025	1/4	93,798
1/2		1/2	215,160	1/2	200,029	1/2	184,812	1/2	169,591	1/2	154,370	1/2	139,150	1/2	123,929	1/2	108,707	1/2	93,481
3/4		3/4	214,847	3/4	199,713	3/4	184,495	3/4	169,274	3/4	154,053	3/4	138,833	3/4	123,612	3/4	108,390	3/4	93,164
7		7	214,534	7	199,398	7	184,178	7	168,957	7	153,736	7	138,515	7	123,295	7	108,073	7	92,846
1/4		1/4	214,221	1/4	199,082	1/4	183,861	1/4	168,640	1/4	153,419	1/4	138,198	1/4	122,977	1/4	107,756	1/4	92,529
1/2		1/2	213,908	1/2	198,765	1/2	183,544	1/2	168,323	1/2	153,102	1/2	137,881	1/2	122,660	1/2	107,438	1/2	92,212
3/4		3/4	213,595	3/4	198,447	3/4	183,227	3/4	168,006	3/4	152,785	3/4	137,564	3/4	122,343	3/4	107,121	3/4	91,895
8		8	213,282	8	198,130	8	182,910	8	167,689	8	152,468	8	137,247	8	122,026	8	106,804	8	91,578
1/4		1/4	212,969	1/4	197,813	1/4	182,592	1/4	167,372	1/4	152,151	1/4	136,930	1/4	121,709	1/4	106,487	1/4	91,260
1/2		1/2	212,656	1/2	197,496	1/2	182,275	1/2	167,054	1/2	151,834	1/2	136,613	1/2	121,392	1/2	106,170	1/2	90,943
3/4		3/4	212,343	3/4	197,179	3/4	181,958	3/4	166,737	3/4	151,517	3/4	136,296	3/4	121,075	3/4	105,852	3/4	90,626
9		9	212,030	9	196,862	9	181,641	9	166,420	9	151,199	9	135,979	9	120,758	9	105,535	9	90,309
1/4		1/4	211,718	1/4	196,545	1/4	181,324	1/4	166,103	1/4	150,882	1/4	135,662	1/4	120,441	1/4	105,218	1/4	89,992
1/2		1/2	211,402	1/2	196,228	1/2	181,007	1/2	165,786	1/2	150,565	1/2	135,344	1/2	120,124	1/2	104,901	1/2	89,674
3/4		3/4	211,086	3/4	195,911	3/4	180,690	3/4	165,469	3/4	150,248	3/4	135,027	3/4	119,806	3/4	104,584	3/4	89,357
10		10	210,770	10	195,594	10	180,373	10	165,152	10	149,931	10	134,710	10	119,489	10	104,266	10	89,040
1/4		1/4	210,454	1/4	195,276	1/4	180,056	1/4	164,835	1/4	149,614	1/4	134,393	1/4	119,172	1/4	103,949	1/4	88,723
1/2		1/2	210,138	1/2	194,959	1/2	179,739	1/2	164,518	1/2	149,297	1/2	134,076	1/2	118,855	1/2	103,632	1/2	88,405
3/4		3/4	209,822	3/4	194,642	3/4	179,421	3/4	164,201	3/4	148,980	3/4	133,759	3/4	118,538	3/4	103,315	3/4	88,088
11		11	209,506	11	194,325	11	179,104	11	163,883	11	148,663	11	133,442	11	118,221	11	102,997	11	87,771
1/4		1/4	209,190	1/4	194,008	1/4	178,787	1/4	163,566	1/4	148,346	1/4	133,125	1/4	117,904	1/4	102,680	1/4	87,454
1/2		1/2	208,874	1/2	193,691	1/2	178,470	1/2	163,249	1/2	148,028	1/2	132,808	1/2	117,587	1/2	102,363	1/2	87,137
3/4		3/4	208,558	3/4	193,374	3/4	178,153	3/4	162,932	3/4	147,711	3/4	132,490	3/4	117,270	3/4	102,046	3/4	86,819

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 389"

1 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	86,502	0	71,276	0	56,049	0	40,906	0	25,697	0	10,471	0		0		0		0	
1/4	86,185	1/4	70,958	1/4	55,732	1/4	40,591	1/4	25,380	1/4	10,154	1/4		1/4		1/4		1/4	
1/2	85,868	1/2	70,641	1/2	55,415	1/2	40,276	1/2	25,063	1/2	9,837	1/2		1/2		1/2		1/2	
3/4	85,550	3/4	70,324	3/4	55,098	3/4	39,960	3/4	24,746	3/4	9,520	3/4		3/4		3/4		3/4	
1	85,233	1	70,007	1	54,780	1	39,645	1	24,428	1	9,203	1		1		1		1	
1/4	84,916	1/4	69,690	1/4	54,463	1/4	39,330	1/4	24,111	1/4	8,885	1/4		1/4		1/4		1/4	
1/2	84,599	1/2	69,372	1/2	54,146	1/2	39,015	1/2	23,794	1/2	8,568	1/2		1/2		1/2		1/2	
3/4	84,282	3/4	69,055	3/4	53,829	3/4	38,699	3/4	23,477	3/4	8,251	3/4		3/4		3/4		3/4	
2	83,964	2	68,738	2	53,512	2	38,384	2	23,160	2	7,934	2		2		2		2	
1/4	83,647	1/4	68,421	1/4	53,194	1/4	38,068	1/4	22,842	1/4	7,617	1/4		1/4		1/4		1/4	
1/2	83,330	1/2	68,104	1/2	52,879	1/2	37,751	1/2	22,525	1/2	7,299	1/2		1/2		1/2		1/2	
3/4	83,013	3/4	67,786	3/4	52,563	3/4	37,434	3/4	22,208	3/4	6,982	3/4		3/4		3/4		3/4	
3	82,696	3	67,469	3	52,248	3	37,117	3	21,891	3	6,665	3		3		3		3	
1/4	82,378	1/4	67,152	1/4	51,932	1/4	36,799	1/4	21,574	1/4	6,348	1/4		1/4		1/4		1/4	
1/2	82,061	1/2	66,835	1/2	51,617	1/2	36,482	1/2	21,256	1/2	6,031	1/2		1/2		1/2		1/2	
3/4	81,744	3/4	66,517	3/4	51,302	3/4	36,165	3/4	20,939	3/4	5,714	3/4		3/4		3/4		3/4	
4	81,427	4	66,200	4	50,987	4	35,848	4	20,622	4	5,398	4		4		4		4	
1/4	81,109	1/4	65,883	1/4	50,672	1/4	35,531	1/4	20,305	1/4	5,081	1/4		1/4		1/4		1/4	
1/2	80,792	1/2	65,566	1/2	50,357	1/2	35,213	1/2	19,988	1/2	4,765	1/2		1/2		1/2		1/2	
3/4	80,475	3/4	65,249	3/4	50,042	3/4	34,896	3/4	19,670	3/4	4,449	3/4		3/4		3/4		3/4	
5	80,158	5	64,931	5	49,727	5	34,579	5	19,353	5	4,134	5		5		5		5	
1/4	79,841	1/4	64,614	1/4	49,412	1/4	34,262	1/4	19,036	1/4	3,818	1/4		1/4		1/4		1/4	
1/2	79,523	1/2	64,297	1/2	49,097	1/2	33,945	1/2	18,719	1/2	3,527	1/2		1/2		1/2		1/2	
3/4	79,206	3/4	63,980	3/4	48,782	3/4	33,627	3/4	18,402	3/4	3,237	3/4		3/4		3/4		3/4	
6	78,889	6	63,662	6	48,467	6	33,310	6	18,084	6	2,946	6		6		6		6	
1/4	78,572	1/4	63,345	1/4	48,152	1/4	32,993	1/4	17,767	1/4	2,655	1/4		1/4		1/4		1/4	
1/2	78,254	1/2	63,028	1/2	47,837	1/2	32,676	1/2	17,450	1/2	2,417	1/2		1/2		1/2		1/2	
3/4	77,937	3/4	62,711	3/4	47,521	3/4	32,359	3/4	17,133	3/4	2,180	3/4		3/4		3/4		3/4	
7	77,620	7	62,394	7	47,206	7	32,041	7	16,816	7	1,942	7		7		7		7	
1/4	77,303	1/4	62,076	1/4	46,891	1/4	31,724	1/4	16,498	1/4	1,704	1/4		1/4		1/4		1/4	
1/2	76,986	1/2	61,759	1/2	46,576	1/2	31,407	1/2	16,181	1/2	1,519	1/2		1/2		1/2		1/2	
3/4	76,668	3/4	61,442	3/4	46,261	3/4	31,090	3/4	15,864	3/4	1,334	3/4		3/4		3/4		3/4	
8	76,351	8	61,125	8	45,946	8	30,773	8	15,547	8	1,149	8		8		8		8	
1/4	76,034	1/4	60,808	1/4	45,631	1/4	30,455	1/4	15,229	1/4	964	1/4		1/4		1/4		1/4	
1/2	75,717	1/2	60,490	1/2	45,316	1/2	30,138	1/2	14,912	1/2		1/2		1/2		1/2		1/2	
3/4	75,400	3/4	60,173	3/4	45,001	3/4	29,821	3/4	14,595	3/4		3/4		3/4		3/4		3/4	
9	75,082	9	59,856	9	44,686	9	29,504	9	14,278	9		9		9		9		9	
1/4	74,765	1/4	59,539	1/4	44,371	1/4	29,187	1/4	13,961	1/4		1/4		1/4		1/4		1/4	
1/2	74,448	1/2	59,221	1/2	44,056	1/2	28,869	1/2	13,643	1/2		1/2		1/2		1/2		1/2	
3/4	74,131	3/4	58,904	3/4	43,741	3/4	28,552	3/4	13,326	3/4		3/4		3/4		3/4		3/4	
10	73,813	10	58,587	10	43,426	10	28,235	10	13,009	10		10		10		10		10	
1/4	73,496	1/4	58,270	1/4	43,111	1/4	27,918	1/4	12,692	1/4		1/4		1/4		1/4		1/4	
1/2	73,179	1/2	57,953	1/2	42,796	1/2	27,600	1/2	12,375	1/2		1/2		1/2		1/2		1/2	
3/4	72,862	3/4	57,635	3/4	42,481	3/4	27,283	3/4	12,057	3/4		3/4		3/4		3/4		3/4	
11	72,545	11	57,318	11	42,166	11	26,966	11	11,740	11		11		11		11		11	
1/4	72,227	1/4	57,001	1/4	41,851	1/4	26,649	1/4	11,423	1/4		1/4		1/4		1/4		1/4	
1/2	71,910	1/2	56,684	1/2	41,536	1/2	26,332	1/2	11,106	1/2		1/2		1/2		1/2		1/2	
3/4	71,593	3/4	56,366	3/4	41,221	3/4	26,014	3/4	10,789	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/17/2013 SW
CALCULATED: 10/18/2013 CL
PRINTED: 10/19/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "CBC 389"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0	221,629	0	207,557	0	192,403	0	177,215	0	162,027	0	146,839	0	131,651	0	116,463	0	101,272
1/4		1/4	221,447	1/4	207,242	1/4	192,087	1/4	176,899	1/4	161,711	1/4	146,523	1/4	131,335	1/4	116,147	1/4	100,956
1/2		1/2	221,266	1/2	206,927	1/2	191,770	1/2	176,582	1/2	161,394	1/2	146,207	1/2	131,019	1/2	115,831	1/2	100,639
3/4		3/4	221,084	3/4	206,611	3/4	191,454	3/4	176,266	3/4	161,078	3/4	145,890	3/4	130,702	3/4	115,514	3/4	100,323
1		1	220,903	1	206,296	1	191,138	1	175,950	1	160,762	1	145,574	1	130,386	1	115,198	1	100,006
1/4		1/4	220,670	1/4	205,981	1/4	190,821	1/4	175,633	1/4	160,445	1/4	145,257	1/4	130,069	1/4	114,881	1/4	99,690
1/2		1/2	220,436	1/2	205,666	1/2	190,505	1/2	175,317	1/2	160,129	1/2	144,941	1/2	129,753	1/2	114,565	1/2	99,373
3/4		3/4	220,203	3/4	205,351	3/4	190,188	3/4	175,000	3/4	159,812	3/4	144,624	3/4	129,436	3/4	114,249	3/4	99,056
2		2	219,970	2	205,035	2	189,872	2	174,684	2	159,496	2	144,308	2	129,120	2	113,932	2	98,740
1/4		1/4	219,684	1/4	204,720	1/4	189,556	1/4	174,368	1/4	159,180	1/4	143,992	1/4	128,804	1/4	113,616	1/4	98,423
1/2		1/2	219,399	1/2	204,405	1/2	189,239	1/2	174,051	1/2	158,863	1/2	143,675	1/2	128,487	1/2	113,299	1/2	98,107
3/4		3/4	219,113	3/4	204,090	3/4	188,923	3/4	173,735	3/4	158,547	3/4	143,359	3/4	128,171	3/4	112,983	3/4	97,790
3		3	218,827	3	203,775	3	188,606	3	173,418	3	158,230	3	143,042	3	127,854	3	112,666	3	97,474
1/4		1/4	218,516	1/4	203,459	1/4	188,290	1/4	173,102	1/4	157,914	1/4	142,726	1/4	127,538	1/4	112,350	1/4	97,157
1/2		1/2	218,205	1/2	203,144	1/2	187,973	1/2	172,785	1/2	157,597	1/2	142,410	1/2	127,222	1/2	112,034	1/2	96,841
3/4		3/4	217,895	3/4	202,829	3/4	187,657	3/4	172,469	3/4	157,281	3/4	142,093	3/4	126,905	3/4	111,717	3/4	96,524
4		4	217,584	4	202,514	4	187,341	4	172,153	4	156,965	4	141,777	4	126,589	4	111,401	4	96,208
1/4		1/4	217,272	1/4	202,199	1/4	187,024	1/4	171,836	1/4	156,648	1/4	141,460	1/4	126,272	1/4	111,084	1/4	95,891
1/2		1/2	216,960	1/2	201,883	1/2	186,708	1/2	171,520	1/2	156,332	1/2	141,144	1/2	125,956	1/2	110,768	1/2	95,575
3/4		3/4	216,648	3/4	201,568	3/4	186,391	3/4	171,203	3/4	156,015	3/4	140,827	3/4	125,639	3/4	110,452	3/4	95,258
5		5	216,336	5	201,253	5	186,075	5	170,887	5	155,699	5	140,511	5	125,323	5	110,135	5	94,942
1/4		1/4	216,024	1/4	200,938	1/4	185,759	1/4	170,571	1/4	155,383	1/4	140,195	1/4	125,007	1/4	109,819	1/4	94,625
1/2		1/2	215,712	1/2	200,623	1/2	185,442	1/2	170,254	1/2	155,066	1/2	139,878	1/2	124,690	1/2	109,502	1/2	94,308
3/4		3/4	215,400	3/4	200,308	3/4	185,126	3/4	169,938	3/4	154,750	3/4	139,562	3/4	124,374	3/4	109,186	3/4	93,992
6		6	215,087	6	199,992	6	184,809	6	169,621	6	154,433	6	139,245	6	124,057	6	108,869	6	93,675
1/4		1/4	214,775	1/4	199,677	1/4	184,493	1/4	169,305	1/4	154,117	1/4	138,929	1/4	123,741	1/4	108,552	1/4	93,359
1/2		1/2	214,463	1/2	199,362	1/2	184,176	1/2	168,988	1/2	153,801	1/2	138,613	1/2	123,425	1/2	108,236	1/2	93,042
3/4		3/4	214,151	3/4	199,047	3/4	183,860	3/4	168,672	3/4	153,484	3/4	138,296	3/4	123,108	3/4	107,919	3/4	92,726
7		7	213,838	7	198,732	7	183,544	7	168,356	7	153,168	7	137,980	7	122,792	7	107,603	7	92,409
1/4		1/4	213,526	1/4	198,415	1/4	183,227	1/4	168,039	1/4	152,851	1/4	137,663	1/4	122,475	1/4	107,286	1/4	92,093
1/2		1/2	213,214	1/2	198,099	1/2	182,911	1/2	167,723	1/2	152,535	1/2	137,347	1/2	122,159	1/2	106,970	1/2	91,776
3/4		3/4	212,901	3/4	197,782	3/4	182,594	3/4	167,406	3/4	152,218	3/4	137,030	3/4	121,842	3/4	106,653	3/4	91,460
8		8	212,589	8	197,466	8	182,278	8	167,090	8	151,902	8	136,714	8	121,526	8	106,337	8	91,143
1/4		1/4	212,277	1/4	197,149	1/4	181,962	1/4	166,774	1/4	151,586	1/4	136,398	1/4	121,210	1/4	106,020	1/4	90,827
1/2		1/2	211,965	1/2	196,833	1/2	181,645	1/2	166,457	1/2	151,269	1/2	136,081	1/2	120,893	1/2	105,704	1/2	90,510
3/4		3/4	211,652	3/4	196,517	3/4	181,329	3/4	166,141	3/4	150,953	3/4	135,765	3/4	120,577	3/4	105,387	3/4	90,194
9		9	211,340	9	196,200	9	181,012	9	165,824	9	150,636	9	135,448	9	120,260	9	105,071	9	89,877
1/4		1/4	211,025	1/4	195,884	1/4	180,696	1/4	165,508	1/4	150,320	1/4	135,132	1/4	119,944	1/4	104,754	1/4	89,560
1/2		1/2	210,709	1/2	195,567	1/2	180,379	1/2	165,191	1/2	150,004	1/2	134,816	1/2	119,628	1/2	104,438	1/2	89,244
3/4		3/4	210,394	3/4	195,251	3/4	180,063	3/4	164,875	3/4	149,687	3/4	134,499	3/4	119,311	3/4	104,121	3/4	88,927
10		10	210,079	10	194,935	10	179,747	10	164,559	10	149,371	10	134,183	10	118,995	10	103,804	10	88,611
1/4		1/4	209,764	1/4	194,618	1/4	179,430	1/4	164,242	1/4	149,054	1/4	133,866	1/4	118,678	1/4	103,488	1/4	88,294
1/2		1/2	209,448	1/2	194,302	1/2	179,114	1/2	163,926	1/2	148,738	1/2	133,550	1/2	118,362	1/2	103,171	1/2	87,978
3/4		3/4	209,133	3/4	193,985	3/4	178,797	3/4	163,609	3/4	148,421	3/4	133,233	3/4	118,046	3/4	102,855	3/4	87,661
11		11	208,818	11	193,669	11	178,481	11	163,293	11	148,105	11	132,917	11	117,729	11	102,538	11	87,345
1/4		1/4	208,503	1/4	193,352	1/4	178,165	1/4	162,977	1/4	147,789	1/4	132,601	1/4	117,413	1/4	102,222	1/4	87,028
1/2		1/2	208,187	1/2	193,036	1/2	177,848	1/2	162,660	1/2	147,472	1/2	132,284	1/2	117,096	1/2	101,905	1/2	86,712
3/4		3/4	207,872	3/4	192,720	3/4	177,532	3/4	162,344	3/4	147,156	3/4	131,968	3/4	116,780	3/4	101,589	3/4	86,395

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 TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 389"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	86,079	0	70,885	0	55,692	0	40,517	0	25,326	0	10,133	0		0		0		0	
1/4	85,762	1/4	70,569	1/4	55,375	1/4	40,201	1/4	25,009	1/4	9,816	1/4		1/4		1/4		1/4	
1/2	85,446	1/2	70,252	1/2	55,058	1/2	39,884	1/2	24,693	1/2	9,500	1/2		1/2		1/2		1/2	
3/4	85,129	3/4	69,935	3/4	54,742	3/4	39,568	3/4	24,376	3/4	9,183	3/4		3/4		3/4		3/4	
1	84,813	1	69,619	1	54,425	1	39,252	1	24,059	1	8,867	1		1		1		1	
1/4	84,496	1/4	69,302	1/4	54,109	1/4	38,936	1/4	23,743	1/4	8,550	1/4		1/4		1/4		1/4	
1/2	84,179	1/2	68,986	1/2	53,792	1/2	38,619	1/2	23,426	1/2	8,233	1/2		1/2		1/2		1/2	
3/4	83,863	3/4	68,669	3/4	53,476	3/4	38,303	3/4	23,110	3/4	7,917	3/4		3/4		3/4		3/4	
2	83,546	2	68,353	2	53,159	2	37,986	2	22,793	2	7,600	2		2		2		2	
1/4	83,230	1/4	68,036	1/4	52,843	1/4	37,670	1/4	22,477	1/4	7,284	1/4		1/4		1/4		1/4	
1/2	82,913	1/2	67,720	1/2	52,526	1/2	37,353	1/2	22,160	1/2	6,968	1/2		1/2		1/2		1/2	
3/4	82,597	3/4	67,403	3/4	52,210	3/4	37,037	3/4	21,844	3/4	6,651	3/4		3/4		3/4		3/4	
3	82,280	3	67,087	3	51,893	3	36,720	3	21,527	3	6,335	3		3		3		3	
1/4	81,964	1/4	66,770	1/4	51,577	1/4	36,404	1/4	21,211	1/4	6,019	1/4		1/4		1/4		1/4	
1/2	81,647	1/2	66,454	1/2	51,261	1/2	36,087	1/2	20,894	1/2	5,702	1/2		1/2		1/2		1/2	
3/4	81,331	3/4	66,137	3/4	50,945	3/4	35,771	3/4	20,578	3/4	5,386	3/4		3/4		3/4		3/4	
4	81,014	4	65,821	4	50,629	4	35,454	4	20,261	4	5,070	4		4		4		4	
1/4	80,698	1/4	65,504	1/4	50,313	1/4	35,138	1/4	19,945	1/4	4,755	1/4		1/4		1/4		1/4	
1/2	80,381	1/2	65,187	1/2	49,997	1/2	34,821	1/2	19,628	1/2	4,440	1/2		1/2		1/2		1/2	
3/4	80,065	3/4	64,871	3/4	49,681	3/4	34,505	3/4	19,312	3/4	4,125	3/4		3/4		3/4		3/4	
5	79,748	5	64,554	5	49,365	5	34,188	5	18,995	5	3,810	5		5		5		5	
1/4	79,431	1/4	64,238	1/4	49,049	1/4	33,872	1/4	18,679	1/4	3,520	1/4		1/4		1/4		1/4	
1/2	79,115	1/2	63,921	1/2	48,733	1/2	33,555	1/2	18,362	1/2	3,230	1/2		1/2		1/2		1/2	
3/4	78,798	3/4	63,605	3/4	48,417	3/4	33,239	3/4	18,046	3/4	2,940	3/4		3/4		3/4		3/4	
6	78,482	6	63,288	6	48,101	6	32,922	6	17,729	6	2,650	6		6		6		6	
1/4	78,165	1/4	62,972	1/4	47,785	1/4	32,606	1/4	17,413	1/4	2,413	1/4		1/4		1/4		1/4	
1/2	77,849	1/2	62,655	1/2	47,469	1/2	32,289	1/2	17,096	1/2	2,175	1/2		1/2		1/2		1/2	
3/4	77,532	3/4	62,339	3/4	47,153	3/4	31,972	3/4	16,780	3/4	1,938	3/4		3/4		3/4		3/4	
7	77,216	7	62,022	7	46,837	7	31,656	7	16,463	7	1,701	7		7		7		7	
1/4	76,899	1/4	61,706	1/4	46,521	1/4	31,339	1/4	16,146	1/4	1,516	1/4		1/4		1/4		1/4	
1/2	76,583	1/2	61,389	1/2	46,205	1/2	31,023	1/2	15,830	1/2	1,331	1/2		1/2		1/2		1/2	
3/4	76,266	3/4	61,073	3/4	45,889	3/4	30,706	3/4	15,513	3/4	1,147	3/4		3/4		3/4		3/4	
8	75,950	8	60,756	8	45,573	8	30,390	8	15,197	8	962	8		8		8		8	
1/4	75,633	1/4	60,439	1/4	45,257	1/4	30,073	1/4	14,880	1/4		1/4		1/4		1/4		1/4	
1/2	75,317	1/2	60,123	1/2	44,941	1/2	29,757	1/2	14,564	1/2		1/2		1/2		1/2		1/2	
3/4	75,000	3/4	59,806	3/4	44,625	3/4	29,440	3/4	14,247	3/4		3/4		3/4		3/4		3/4	
9	74,683	9	59,490	9	44,309	9	29,124	9	13,931	9		9		9		9		9	
1/4	74,367	1/4	59,173	1/4	43,993	1/4	28,807	1/4	13,614	1/4		1/4		1/4		1/4		1/4	
1/2	74,050	1/2	58,857	1/2	43,677	1/2	28,491	1/2	13,298	1/2		1/2		1/2		1/2		1/2	
3/4	73,734	3/4	58,540	3/4	43,361	3/4	28,174	3/4	12,981	3/4		3/4		3/4		3/4		3/4	
10	73,417	10	58,224	10	43,045	10	27,858	10	12,665	10		10		10		10		10	
1/4	73,101	1/4	57,907	1/4	42,729	1/4	27,541	1/4	12,348	1/4		1/4		1/4		1/4		1/4	
1/2	72,784	1/2	57,591	1/2	42,413	1/2	27,225	1/2	12,032	1/2		1/2		1/2		1/2		1/2	
3/4	72,468	3/4	57,274	3/4	42,097	3/4	26,908	3/4	11,715	3/4		3/4		3/4		3/4		3/4	
11	72,151	11	56,958	11	41,781	11	26,592	11	11,399	11		11		11		11		11	
1/4	71,835	1/4	56,641	1/4	41,465	1/4	26,275	1/4	11,082	1/4		1/4		1/4		1/4		1/4	
1/2	71,518	1/2	56,325	1/2	41,149	1/2	25,959	1/2	10,766	1/2		1/2		1/2		1/2		1/2	
3/4	71,202	3/4	56,008	3/4	40,833	3/4	25,642	3/4	10,449	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/17/2013 SW
CALCULATED: 10/18/2013 CL
PRINTED: 10/19/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2013

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



BARGE "CBC 389"

2 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-07 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0	220,700	0	206,500	0	191,350	0	176,168	0	160,985	0	145,803	0	130,620	0	115,438	0	100,252
1/4		1/4	220,519	1/4	206,185	1/4	191,034	1/4	175,852	1/4	160,669	1/4	145,487	1/4	130,304	1/4	115,122	1/4	99,936
1/2		1/2	220,337	1/2	205,870	1/2	190,718	1/2	175,535	1/2	160,353	1/2	145,170	1/2	129,988	1/2	114,805	1/2	99,619
3/4		3/4	220,156	3/4	205,555	3/4	190,401	3/4	175,219	3/4	160,036	3/4	144,854	3/4	129,671	3/4	114,489	3/4	99,303
1		1	219,923	1	205,240	1	190,085	1	174,903	1	159,720	1	144,538	1	129,355	1	114,173	1	98,986
1/4		1/4	219,690	1/4	204,924	1/4	189,769	1/4	174,586	1/4	159,404	1/4	144,221	1/4	129,039	1/4	113,856	1/4	98,670
1/2		1/2	219,457	1/2	204,609	1/2	189,453	1/2	174,270	1/2	159,088	1/2	143,905	1/2	128,723	1/2	113,540	1/2	98,353
3/4		3/4	219,224	3/4	204,294	3/4	189,136	3/4	173,954	3/4	158,771	3/4	143,589	3/4	128,406	3/4	113,224	3/4	98,037
2		2	218,938	2	203,979	2	188,820	2	173,637	2	158,455	2	143,272	2	128,090	2	112,907	2	97,721
1/4		1/4	218,652	1/4	203,664	1/4	188,504	1/4	173,321	1/4	158,139	1/4	142,956	1/4	127,774	1/4	112,591	1/4	97,404
1/2		1/2	218,367	1/2	203,349	1/2	188,187	1/2	173,005	1/2	157,822	1/2	142,640	1/2	127,457	1/2	112,275	1/2	97,088
3/4		3/4	218,081	3/4	203,034	3/4	187,871	3/4	172,689	3/4	157,506	3/4	142,324	3/4	127,141	3/4	111,959	3/4	96,771
3		3	217,770	3	202,719	3	187,555	3	172,372	3	157,190	3	142,007	3	126,825	3	111,642	3	96,455
1/4		1/4	217,460	1/4	202,404	1/4	187,238	1/4	172,056	1/4	156,873	1/4	141,691	1/4	126,508	1/4	111,326	1/4	96,139
1/2		1/2	217,149	1/2	202,089	1/2	186,922	1/2	171,740	1/2	156,557	1/2	141,375	1/2	126,192	1/2	111,010	1/2	95,822
3/4		3/4	216,838	3/4	201,774	3/4	186,606	3/4	171,423	3/4	156,241	3/4	141,058	3/4	125,876	3/4	110,693	3/4	95,506
4		4	216,526	4	201,459	4	186,290	4	171,107	4	155,925	4	140,742	4	125,560	4	110,377	4	95,189
1/4		1/4	216,215	1/4	201,143	1/4	185,973	1/4	170,791	1/4	155,608	1/4	140,426	1/4	125,243	1/4	110,061	1/4	94,873
1/2		1/2	215,903	1/2	200,828	1/2	185,657	1/2	170,474	1/2	155,292	1/2	140,109	1/2	124,927	1/2	109,744	1/2	94,556
3/4		3/4	215,591	3/4	200,513	3/4	185,341	3/4	170,158	3/4	154,976	3/4	139,793	3/4	124,611	3/4	109,428	3/4	94,240
5		5	215,279	5	200,198	5	185,024	5	169,842	5	154,659	5	139,477	5	124,294	5	109,112	5	93,924
1/4		1/4	214,967	1/4	199,883	1/4	184,708	1/4	169,525	1/4	154,343	1/4	139,161	1/4	123,978	1/4	108,795	1/4	93,607
1/2		1/2	214,655	1/2	199,568	1/2	184,392	1/2	169,209	1/2	154,027	1/2	138,844	1/2	123,662	1/2	108,479	1/2	93,291
3/4		3/4	214,343	3/4	199,253	3/4	184,075	3/4	168,893	3/4	153,710	3/4	138,528	3/4	123,345	3/4	108,162	3/4	92,974
6		6	214,031	6	198,938	6	183,759	6	168,577	6	153,394	6	138,212	6	123,029	6	107,846	6	92,658
1/4		1/4	213,718	1/4	198,623	1/4	183,443	1/4	168,260	1/4	153,078	1/4	137,895	1/4	122,713	1/4	107,530	1/4	92,342
1/2		1/2	213,406	1/2	198,308	1/2	183,126	1/2	167,944	1/2	152,761	1/2	137,579	1/2	122,396	1/2	107,213	1/2	92,025
3/4		3/4	213,094	3/4	197,993	3/4	182,810	3/4	167,628	3/4	152,445	3/4	137,263	3/4	122,080	3/4	106,897	3/4	91,709
7		7	212,782	7	197,676	7	182,494	7	167,311	7	152,129	7	136,946	7	121,764	7	106,580	7	91,392
1/4		1/4	212,470	1/4	197,360	1/4	182,178	1/4	166,995	1/4	151,813	1/4	136,630	1/4	121,448	1/4	106,264	1/4	91,076
1/2		1/2	212,158	1/2	197,044	1/2	181,861	1/2	166,679	1/2	151,496	1/2	136,314	1/2	121,131	1/2	105,948	1/2	90,759
3/4		3/4	211,845	3/4	196,727	3/4	181,545	3/4	166,362	3/4	151,180	3/4	135,997	3/4	120,815	3/4	105,631	3/4	90,443
8		8	211,533	8	196,411	8	181,229	8	166,046	8	150,864	8	135,681	8	120,499	8	105,315	8	90,127
1/4		1/4	211,221	1/4	196,095	1/4	180,912	1/4	165,730	1/4	150,547	1/4	135,365	1/4	120,182	1/4	104,998	1/4	89,810
1/2		1/2	210,909	1/2	195,779	1/2	180,596	1/2	165,414	1/2	150,231	1/2	135,049	1/2	119,866	1/2	104,682	1/2	89,494
3/4		3/4	210,597	3/4	195,462	3/4	180,280	3/4	165,097	3/4	149,915	3/4	134,732	3/4	119,550	3/4	104,365	3/4	89,177
9		9	210,281	9	195,146	9	179,963	9	164,781	9	149,598	9	134,416	9	119,233	9	104,049	9	88,861
1/4		1/4	209,966	1/4	194,830	1/4	179,647	1/4	164,465	1/4	149,282	1/4	134,100	1/4	118,917	1/4	103,733	1/4	88,544
1/2		1/2	209,651	1/2	194,513	1/2	179,331	1/2	164,148	1/2	148,966	1/2	133,783	1/2	118,601	1/2	103,416	1/2	88,228
3/4		3/4	209,336	3/4	194,197	3/4	179,015	3/4	163,832	3/4	148,650	3/4	133,467	3/4	118,285	3/4	103,100	3/4	87,912
10		10	209,021	10	193,881	10	178,698	10	163,516	10	148,333	10	133,151	10	117,968	10	102,783	10	87,595
1/4		1/4	208,706	1/4	193,564	1/4	178,382	1/4	163,199	1/4	148,017	1/4	132,834	1/4	117,652	1/4	102,467	1/4	87,279
1/2		1/2	208,390	1/2	193,248	1/2	178,066	1/2	162,883	1/2	147,701	1/2	132,518	1/2	117,336	1/2	102,150	1/2	86,962
3/4		3/4	208,075	3/4	192,932	3/4	177,749	3/4	162,567	3/4	147,384	3/4	132,202	3/4	117,019	3/4	101,834	3/4	86,646
11		11	207,760	11	192,616	11	177,433	11	162,251	11	147,068	11	131,886	11	116,703	11	101,518	11	86,330
1/4		1/4	207,445	1/4	192,299	1/4	177,117	1/4	161,934	1/4	146,752	1/4	131,569	1/4	116,387	1/4	101,201	1/4	86,013
1/2		1/2	207,130	1/2	191,983	1/2	176,800	1/2	161,618	1/2	146,435	1/2	131,253	1/2	116,070	1/2	100,885	1/2	85,697
3/4		3/4	220,882	3/4	206,815	3/4	191,667	3/4	176,484	3/4	161,302	3/4	146,119	3/4	130,937	3/4	115,754	3/4	85,380

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 TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "CBC 389"

2 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-07 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	85,064	0	69,876	0	54,688	0	40,089	0	25,000	0	9,813	0		0		0		0	
1/4	84,747	1/4	69,559	1/4	54,371	1/4	39,787	1/4	24,684	1/4	9,496	1/4		1/4		1/4		1/4	
1/2	84,431	1/2	69,243	1/2	54,055	1/2	39,485	1/2	24,368	1/2	9,180	1/2		1/2		1/2		1/2	
3/4	84,115	3/4	68,927	3/4	53,738	3/4	39,183	3/4	24,051	3/4	8,864	3/4		3/4		3/4		3/4	
1	83,798	1	68,610	1	53,422	1	38,880	1	23,735	1	8,547	1		1		1		1	
1/4	83,482	1/4	68,294	1/4	53,106	1/4	38,578	1/4	23,418	1/4	8,231	1/4		1/4		1/4		1/4	
1/2	83,165	1/2	67,977	1/2	52,789	1/2	38,275	1/2	23,102	1/2	7,914	1/2		1/2		1/2		1/2	
3/4	82,849	3/4	67,661	3/4	52,473	3/4	37,973	3/4	22,785	3/4	7,598	3/4		3/4		3/4		3/4	
2	82,533	2	67,344	2	52,170	2	37,657	2	22,469	2	7,282	2		2		2		2	
1/4	82,216	1/4	67,028	1/4	51,868	1/4	37,340	1/4	22,153	1/4	6,965	1/4		1/4		1/4		1/4	
1/2	81,900	1/2	66,712	1/2	51,565	1/2	37,024	1/2	21,836	1/2	6,649	1/2		1/2		1/2		1/2	
3/4	81,583	3/4	66,395	3/4	51,263	3/4	36,707	3/4	21,520	3/4	6,333	3/4		3/4		3/4		3/4	
3	81,267	3	66,079	3	50,961	3	36,391	3	21,203	3	6,017	3		3		3		3	
1/4	80,950	1/4	65,762	1/4	50,659	1/4	36,075	1/4	20,887	1/4	5,701	1/4		1/4		1/4		1/4	
1/2	80,634	1/2	65,446	1/2	50,357	1/2	35,758	1/2	20,571	1/2	5,385	1/2		1/2		1/2		1/2	
3/4	80,318	3/4	65,130	3/4	50,055	3/4	35,442	3/4	20,254	3/4	5,069	3/4		3/4		3/4		3/4	
4	80,001	4	64,813	4	49,753	4	35,125	4	19,938	4	4,754	4		4		4		4	
1/4	79,685	1/4	64,497	1/4	49,451	1/4	34,809	1/4	19,621	1/4	4,439	1/4		1/4		1/4		1/4	
1/2	79,368	1/2	64,180	1/2	49,149	1/2	34,493	1/2	19,305	1/2	4,124	1/2		1/2		1/2		1/2	
3/4	79,052	3/4	63,864	3/4	48,847	3/4	34,176	3/4	18,989	3/4	3,809	3/4		3/4		3/4		3/4	
5	78,736	5	63,547	5	48,545	5	33,860	5	18,672	5	3,519	5		5		5		5	
1/4	78,419	1/4	63,231	1/4	48,243	1/4	33,543	1/4	18,356	1/4	3,229	1/4		1/4		1/4		1/4	
1/2	78,103	1/2	62,915	1/2	47,941	1/2	33,227	1/2	18,039	1/2	2,939	1/2		1/2		1/2		1/2	
3/4	77,786	3/4	62,598	3/4	47,639	3/4	32,910	3/4	17,723	3/4	2,649	3/4		3/4		3/4		3/4	
6	77,470	6	62,282	6	47,337	6	32,594	6	17,407	6	2,412	6		6		6		6	
1/4	77,153	1/4	61,965	1/4	47,035	1/4	32,278	1/4	17,090	1/4	2,175	1/4		1/4		1/4		1/4	
1/2	76,837	1/2	61,649	1/2	46,733	1/2	31,961	1/2	16,774	1/2	1,937	1/2		1/2		1/2		1/2	
3/4	76,521	3/4	61,332	3/4	46,431	3/4	31,645	3/4	16,457	3/4	1,700	3/4		3/4		3/4		3/4	
7	76,204	7	61,016	7	46,129	7	31,328	7	16,141	7	1,516	7		7		7		7	
1/4	75,888	1/4	60,700	1/4	45,827	1/4	31,012	1/4	15,825	1/4	1,331	1/4		1/4		1/4		1/4	
1/2	75,571	1/2	60,383	1/2	45,525	1/2	30,696	1/2	15,508	1/2	1,147	1/2		1/2		1/2		1/2	
3/4	75,255	3/4	60,067	3/4	45,223	3/4	30,379	3/4	15,192	3/4	962	3/4		3/4		3/4		3/4	
8	74,938	8	59,750	8	44,921	8	30,063	8	14,875	8		8		8		8		8	
1/4	74,622	1/4	59,434	1/4	44,619	1/4	29,746	1/4	14,559	1/4		1/4		1/4		1/4		1/4	
1/2	74,306	1/2	59,118	1/2	44,317	1/2	29,430	1/2	14,243	1/2		1/2		1/2		1/2		1/2	
3/4	73,989	3/4	58,801	3/4	44,015	3/4	29,114	3/4	13,926	3/4		3/4		3/4		3/4		3/4	
9	73,673	9	58,485	9	43,713	9	28,797	9	13,610	9		9		9		9		9	
1/4	73,356	1/4	58,168	1/4	43,411	1/4	28,481	1/4	13,293	1/4		1/4		1/4		1/4		1/4	
1/2	73,040	1/2	57,852	1/2	43,109	1/2	28,164	1/2	12,977	1/2		1/2		1/2		1/2		1/2	
3/4	72,724	3/4	57,535	3/4	42,807	3/4	27,848	3/4	12,660	3/4		3/4		3/4		3/4		3/4	
10	72,407	10	57,219	10	42,505	10	27,532	10	12,344	10		10		10		10		10	
1/4	72,091	1/4	56,903	1/4	42,203	1/4	27,215	1/4	12,028	1/4		1/4		1/4		1/4		1/4	
1/2	71,774	1/2	56,586	1/2	41,901	1/2	26,899	1/2	11,711	1/2		1/2		1/2		1/2		1/2	
3/4	71,458	3/4	56,270	3/4	41,599	3/4	26,582	3/4	11,395	3/4		3/4		3/4		3/4		3/4	
11	71,141	11	55,953	11	41,297	11	26,266	11	11,078	11		11		11		11		11	
1/4	70,825	1/4	55,637	1/4	40,995	1/4	25,950	1/4	10,762	1/4		1/4		1/4		1/4		1/4	
1/2	70,509	1/2	55,321	1/2	40,693	1/2	25,633	1/2	10,446	1/2		1/2		1/2		1/2		1/2	
3/4	70,192	3/4	55,004	3/4	40,391	3/4	25,317	3/4	10,129	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/17/2013 SW
CALCULATED: 10/18/2013 CL
PRINTED: 10/19/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2013

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



BARGE "CBC 389"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	179,223	0	171,113	0	162,984	0	154,856	0	146,295	0	131,263	0	116,178	0	101,067
1/4		1/4	186,145	1/4	179,054	1/4	170,943	1/4	162,815	1/4	154,687	1/4	145,982	1/4	130,949	1/4	115,863	1/4	100,752
1/2		1/2	186,108	1/2	178,886	1/2	170,774	1/2	162,646	1/2	154,517	1/2	145,668	1/2	130,634	1/2	115,548	1/2	100,437
3/4		3/4	186,072	3/4	178,717	3/4	170,604	3/4	162,476	3/4	154,348	3/4	145,355	3/4	130,320	3/4	115,233	3/4	100,123
1		1	186,035	1	178,548	1	170,435	1	162,307	1	154,179	1	145,041	1	130,006	1	114,919	1	99,808
1/4		1/4	185,999	1/4	178,379	1/4	170,266	1/4	162,137	1/4	154,009	1/4	144,728	1/4	129,692	1/4	114,604	1/4	99,493
1/2		1/2	185,910	1/2	178,211	1/2	170,096	1/2	161,968	1/2	153,840	1/2	144,414	1/2	129,377	1/2	114,289	1/2	99,178
3/4		3/4	185,822	3/4	178,042	3/4	169,927	3/4	161,799	3/4	153,670	3/4	144,101	3/4	129,063	3/4	113,974	3/4	98,863
2		2	185,734	2	177,873	2	169,758	2	161,629	2	153,501	2	143,788	2	128,749	2	113,660	2	98,548
1/4		1/4	185,645	1/4	177,705	1/4	169,588	1/4	161,460	1/4	153,332	1/4	143,474	1/4	128,435	1/4	113,345	1/4	98,234
1/2		1/2	185,504	1/2	177,536	1/2	169,419	1/2	161,291	1/2	153,162	1/2	143,161	1/2	128,121	1/2	113,030	1/2	97,919
3/4		3/4	185,364	3/4	177,367	3/4	169,250	3/4	161,121	3/4	152,993	3/4	142,847	3/4	127,806	3/4	112,715	3/4	97,604
3		3	185,223	3	177,198	3	169,080	3	160,952	3	152,824	3	142,534	3	127,492	3	112,400	3	97,289
1/4		1/4	185,082	1/4	177,030	1/4	168,911	1/4	160,783	1/4	152,654	1/4	142,220	1/4	127,178	1/4	112,086	1/4	96,974
1/2		1/2	184,916	1/2	176,861	1/2	168,742	1/2	160,613	1/2	152,485	1/2	141,907	1/2	126,864	1/2	111,771	1/2	96,660
3/4		3/4	184,751	3/4	176,692	3/4	168,572	3/4	160,444	3/4	152,316	3/4	141,593	3/4	126,549	3/4	111,456	3/4	96,345
4		4	184,585	4	176,523	4	168,403	4	160,275	4	152,146	4	141,280	4	126,235	4	111,141	4	96,030
1/4		1/4	184,419	1/4	176,355	1/4	168,234	1/4	160,105	1/4	151,977	1/4	140,967	1/4	125,921	1/4	110,827	1/4	95,715
1/2		1/2	184,253	1/2	176,186	1/2	168,064	1/2	159,936	1/2	151,808	1/2	140,653	1/2	125,607	1/2	110,512	1/2	95,400
3/4		3/4	184,086	3/4	176,017	3/4	167,895	3/4	159,767	3/4	151,638	3/4	140,340	3/4	125,292	3/4	110,197	3/4	95,085
5		5	183,919	5	175,849	5	167,726	5	159,597	5	151,469	5	140,026	5	124,978	5	109,882	5	94,771
1/4		1/4	183,753	1/4	175,680	1/4	167,556	1/4	159,428	1/4	151,300	1/4	139,713	1/4	124,664	1/4	109,568	1/4	94,456
1/2		1/2	183,586	1/2	175,511	1/2	167,387	1/2	159,259	1/2	151,130	1/2	139,400	1/2	124,350	1/2	109,253	1/2	94,141
3/4		3/4	183,419	3/4	175,342	3/4	167,218	3/4	159,089	3/4	150,961	3/4	139,087	3/4	124,035	3/4	108,938	3/4	93,826
6		6	183,252	6	175,174	6	167,048	6	158,920	6	150,792	6	138,774	6	123,721	6	108,623	6	93,511
1/4		1/4	183,084	1/4	175,005	1/4	166,879	1/4	158,751	1/4	150,622	1/4	138,462	1/4	123,407	1/4	108,308	1/4	93,196
1/2		1/2	182,917	1/2	174,836	1/2	166,710	1/2	158,581	1/2	150,453	1/2	138,149	1/2	123,093	1/2	107,993	1/2	92,882
3/4		3/4	182,750	3/4	174,667	3/4	166,540	3/4	158,412	3/4	150,284	3/4	137,836	3/4	122,779	3/4	107,679	3/4	92,567
7		7	182,583	7	174,499	7	166,371	7	158,243	7	150,114	7	137,523	7	122,464	7	107,364	7	92,252
1/4		1/4	182,416	1/4	174,330	1/4	166,202	1/4	158,073	1/4	149,945	1/4	137,210	1/4	122,150	1/4	107,049	1/4	91,937
1/2		1/2	182,249	1/2	174,161	1/2	166,032	1/2	157,904	1/2	149,776	1/2	136,898	1/2	121,836	1/2	106,734	1/2	91,622
3/4		3/4	182,082	3/4	173,991	3/4	165,863	3/4	157,735	3/4	149,606	3/4	136,585	3/4	121,522	3/4	106,419	3/4	91,307
8		8	181,915	8	173,822	8	165,694	8	157,565	8	149,437	8	136,272	8	121,207	8	106,104	8	90,993
1/4		1/4	181,748	1/4	173,653	1/4	165,524	1/4	157,396	1/4	149,268	1/4	135,959	1/4	120,893	1/4	105,790	1/4	90,678
1/2		1/2	181,580	1/2	173,483	1/2	165,355	1/2	157,227	1/2	149,098	1/2	135,646	1/2	120,579	1/2	105,475	1/2	90,363
3/4		3/4	181,413	3/4	173,314	3/4	165,186	3/4	157,057	3/4	148,929	3/4	135,334	3/4	120,265	3/4	105,160	3/4	90,048
9		9	181,246	9	173,145	9	165,016	9	156,888	9	148,760	9	135,021	9	119,950	9	104,845	9	89,733
1/4		1/4	181,079	1/4	172,975	1/4	164,847	1/4	156,719	1/4	148,590	1/4	134,708	1/4	119,636	1/4	104,530	1/4	89,418
1/2		1/2	180,910	1/2	172,806	1/2	164,678	1/2	156,549	1/2	148,421	1/2	134,395	1/2	119,322	1/2	104,215	1/2	89,104
3/4		3/4	180,742	3/4	172,637	3/4	164,508	3/4	156,380	3/4	148,252	3/4	134,082	3/4	119,008	3/4	103,901	3/4	88,789
10		10	180,573	10	172,467	10	164,339	10	156,211	10	148,082	10	133,770	10	118,693	10	103,586	10	88,474
1/4		1/4	180,404	1/4	172,298	1/4	164,170	1/4	156,041	1/4	147,913	1/4	133,457	1/4	118,379	1/4	103,271	1/4	88,159
1/2		1/2	180,235	1/2	172,129	1/2	164,000	1/2	155,872	1/2	147,744	1/2	133,144	1/2	118,065	1/2	102,956	1/2	87,844
3/4		3/4	180,067	3/4	171,959	3/4	163,831	3/4	155,703	3/4	147,574	3/4	132,831	3/4	117,751	3/4	102,641	3/4	87,529
11		11	179,898	11	171,790	11	163,662	11	155,533	11	147,405	11	132,518	11	117,437	11	102,326	11	87,215
1/4		1/4	179,729	1/4	171,621	1/4	163,492	1/4	155,364	1/4	147,236	1/4	132,206	1/4	117,122	1/4	102,012	1/4	86,900
1/2		1/2	179,561	1/2	171,451	1/2	163,323	1/2	155,195	1/2	146,922	1/2	131,891	1/2	116,807	1/2	101,697	1/2	86,585
3/4		3/4	179,392	3/4	171,282	3/4	163,154	3/4	155,025	3/4	146,609	3/4	131,577	3/4	116,493	3/4	101,382	3/4	86,270

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 TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 55'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 389"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	85,955	0	70,840	0	55,725	0	40,622	0	25,510	0	10,395	0		0		0		0	
1/4	85,640	1/4	70,525	1/4	55,410	1/4	40,307	1/4	25,195	1/4	10,080	1/4		1/4		1/4		1/4	
1/2	85,326	1/2	70,210	1/2	55,095	1/2	39,993	1/2	24,880	1/2	9,765	1/2		1/2		1/2		1/2	
3/4	85,011	3/4	69,895	3/4	54,780	3/4	39,678	3/4	24,565	3/4	9,451	3/4		3/4		3/4		3/4	
1	84,696	1	69,580	1	54,465	1	39,364	1	24,250	1	9,136	1		1		1		1	
1/4	84,381	1/4	69,265	1/4	54,150	1/4	39,049	1/4	23,936	1/4	8,821	1/4		1/4		1/4		1/4	
1/2	84,066	1/2	68,951	1/2	53,835	1/2	38,735	1/2	23,621	1/2	8,506	1/2		1/2		1/2		1/2	
3/4	83,751	3/4	68,636	3/4	53,520	3/4	38,420	3/4	23,306	3/4	8,191	3/4		3/4		3/4		3/4	
2	83,436	2	68,321	2	53,205	2	38,105	2	22,991	2	7,876	2		2		2		2	
1/4	83,121	1/4	68,006	1/4	52,890	1/4	37,791	1/4	22,676	1/4	7,561	1/4		1/4		1/4		1/4	
1/2	82,806	1/2	67,691	1/2	52,575	1/2	37,476	1/2	22,361	1/2	7,246	1/2		1/2		1/2		1/2	
3/4	82,491	3/4	67,376	3/4	52,261	3/4	37,161	3/4	22,046	3/4	6,931	3/4		3/4		3/4		3/4	
3	82,177	3	67,061	3	51,946	3	36,846	3	21,731	3	6,617	3		3		3		3	
1/4	81,862	1/4	66,746	1/4	51,631	1/4	36,531	1/4	21,416	1/4	6,302	1/4		1/4		1/4		1/4	
1/2	81,547	1/2	66,431	1/2	51,316	1/2	36,216	1/2	21,102	1/2	5,987	1/2		1/2		1/2		1/2	
3/4	81,232	3/4	66,116	3/4	51,001	3/4	35,901	3/4	20,787	3/4	5,673	3/4		3/4		3/4		3/4	
4	80,917	4	65,801	4	50,686	4	35,587	4	20,472	4	5,358	4		4		4		4	
1/4	80,602	1/4	65,487	1/4	50,372	1/4	35,272	1/4	20,157	1/4	5,044	1/4		1/4		1/4		1/4	
1/2	80,287	1/2	65,172	1/2	50,057	1/2	34,957	1/2	19,842	1/2	4,731	1/2		1/2		1/2		1/2	
3/4	79,972	3/4	64,857	3/4	49,743	3/4	34,642	3/4	19,527	3/4	4,417	3/4		3/4		3/4		3/4	
5	79,657	5	64,542	5	49,428	5	34,327	5	19,212	5	4,104	5		5		5		5	
1/4	79,342	1/4	64,227	1/4	49,114	1/4	34,012	1/4	18,897	1/4	3,790	1/4		1/4		1/4		1/4	
1/2	79,027	1/2	63,912	1/2	48,799	1/2	33,697	1/2	18,582	1/2	3,502	1/2		1/2		1/2		1/2	
3/4	78,713	3/4	63,597	3/4	48,485	3/4	33,382	3/4	18,268	3/4	3,213	3/4		3/4		3/4		3/4	
6	78,398	6	63,282	6	48,170	6	33,067	6	17,953	6	2,925	6		6		6		6	
1/4	78,083	1/4	62,967	1/4	47,856	1/4	32,753	1/4	17,638	1/4	2,636	1/4		1/4		1/4		1/4	
1/2	77,768	1/2	62,652	1/2	47,541	1/2	32,438	1/2	17,323	1/2	2,400	1/2		1/2		1/2		1/2	
3/4	77,453	3/4	62,338	3/4	47,227	3/4	32,123	3/4	17,008	3/4	2,164	3/4		3/4		3/4		3/4	
7	77,138	7	62,023	7	46,912	7	31,808	7	16,693	7	1,928	7		7		7		7	
1/4	76,823	1/4	61,708	1/4	46,598	1/4	31,493	1/4	16,378	1/4	1,692	1/4		1/4		1/4		1/4	
1/2	76,508	1/2	61,393	1/2	46,283	1/2	31,178	1/2	16,063	1/2	1,508	1/2		1/2		1/2		1/2	
3/4	76,193	3/4	61,078	3/4	45,968	3/4	30,863	3/4	15,748	3/4	1,324	3/4		3/4		3/4		3/4	
8	75,878	8	60,763	8	45,654	8	30,548	8	15,433	8	1,141	8		8		8		8	
1/4	75,564	1/4	60,448	1/4	45,339	1/4	30,233	1/4	15,119	1/4	957	1/4		1/4		1/4		1/4	
1/2	75,249	1/2	60,133	1/2	45,025	1/2	29,919	1/2	14,804	1/2		1/2		1/2		1/2		1/2	
3/4	74,934	3/4	59,818	3/4	44,710	3/4	29,604	3/4	14,489	3/4		3/4		3/4		3/4		3/4	
9	74,619	9	59,503	9	44,396	9	29,289	9	14,174	9		9		9		9		9	
1/4	74,304	1/4	59,188	1/4	44,081	1/4	28,974	1/4	13,859	1/4		1/4		1/4		1/4		1/4	
1/2	73,989	1/2	58,874	1/2	43,767	1/2	28,659	1/2	13,544	1/2		1/2		1/2		1/2		1/2	
3/4	73,674	3/4	58,559	3/4	43,452	3/4	28,344	3/4	13,229	3/4		3/4		3/4		3/4		3/4	
10	73,359	10	58,244	10	43,138	10	28,029	10	12,914	10		10		10		10		10	
1/4	73,044	1/4	57,929	1/4	42,823	1/4	27,714	1/4	12,599	1/4		1/4		1/4		1/4		1/4	
1/2	72,729	1/2	57,614	1/2	42,509	1/2	27,399	1/2	12,285	1/2		1/2		1/2		1/2		1/2	
3/4	72,414	3/4	57,299	3/4	42,194	3/4	27,085	3/4	11,970	3/4		3/4		3/4		3/4		3/4	
11	72,100	11	56,984	11	41,880	11	26,770	11	11,655	11		11		11		11		11	
1/4	71,785	1/4	56,669	1/4	41,565	1/4	26,455	1/4	11,340	1/4		1/4		1/4		1/4		1/4	
1/2	71,470	1/2	56,354	1/2	41,251	1/2	26,140	1/2	11,025	1/2		1/2		1/2		1/2		1/2	
3/4	71,155	3/4	56,039	3/4	40,936	3/4	25,825	3/4	10,710	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/17/2013 SW
CALCULATED: 10/18/2013 CL
PRINTED: 10/19/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2013

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



BARGE "CBC 389"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	178,270	0	170,187	0	162,086	0	153,985	0	145,596	0	130,591	0	115,540	0	100,456
1/4		1/4		1/4	178,102	1/4	170,019	1/4	161,918	1/4	153,816	1/4	145,283	1/4	130,277	1/4	115,226	1/4	100,142
1/2		1/2	184,997	1/2	177,934	1/2	169,850	1/2	161,749	1/2	153,648	1/2	144,970	1/2	129,963	1/2	114,912	1/2	99,827
3/4		3/4	184,961	3/4	177,766	3/4	169,681	3/4	161,580	3/4	153,479	3/4	144,657	3/4	129,650	3/4	114,597	3/4	99,513
1		1	184,925	1	177,597	1	169,512	1	161,411	1	153,310	1	144,344	1	129,336	1	114,283	1	99,199
1/4		1/4	184,889	1/4	177,429	1/4	169,343	1/4	161,242	1/4	153,141	1/4	144,031	1/4	129,022	1/4	113,969	1/4	98,885
1/2		1/2	184,853	1/2	177,261	1/2	169,175	1/2	161,074	1/2	152,973	1/2	143,718	1/2	128,709	1/2	113,655	1/2	98,570
3/4		3/4	184,765	3/4	177,093	3/4	169,006	3/4	160,905	3/4	152,804	3/4	143,406	3/4	128,395	3/4	113,341	3/4	98,256
2		2	184,678	2	176,925	2	168,837	2	160,736	2	152,635	2	143,093	2	128,082	2	113,026	2	97,942
1/4		1/4	184,590	1/4	176,757	1/4	168,668	1/4	160,567	1/4	152,466	1/4	142,780	1/4	127,769	1/4	112,712	1/4	97,628
1/2		1/2	184,502	1/2	176,588	1/2	168,500	1/2	160,399	1/2	152,297	1/2	142,467	1/2	127,455	1/2	112,398	1/2	97,313
3/4		3/4	184,362	3/4	176,420	3/4	168,331	3/4	160,230	3/4	152,129	3/4	142,154	3/4	127,142	3/4	112,084	3/4	96,999
3		3	184,221	3	176,252	3	168,162	3	160,061	3	151,960	3	141,841	3	126,828	3	111,769	3	96,685
1/4		1/4	184,081	1/4	176,084	1/4	167,993	1/4	159,892	1/4	151,791	1/4	141,528	1/4	126,515	1/4	111,455	1/4	96,370
1/2		1/2	183,941	1/2	175,916	1/2	167,825	1/2	159,723	1/2	151,622	1/2	141,215	1/2	126,202	1/2	111,141	1/2	96,056
3/4		3/4	183,776	3/4	175,748	3/4	167,656	3/4	159,555	3/4	151,454	3/4	140,902	3/4	125,888	3/4	110,827	3/4	95,742
4		4	183,611	4	175,579	4	167,487	4	159,386	4	151,285	4	140,589	4	125,575	4	110,513	4	95,428
1/4		1/4	183,446	1/4	175,411	1/4	167,318	1/4	159,217	1/4	151,116	1/4	140,277	1/4	125,262	1/4	110,198	1/4	95,113
1/2		1/2	183,281	1/2	175,243	1/2	167,149	1/2	159,048	1/2	150,947	1/2	139,964	1/2	124,948	1/2	109,884	1/2	94,799
3/4		3/4	183,115	3/4	175,075	3/4	166,981	3/4	158,880	3/4	150,779	3/4	139,651	3/4	124,635	3/4	109,570	3/4	94,485
5		5	182,948	5	174,907	5	166,812	5	158,711	5	150,610	5	139,338	5	124,321	5	109,256	5	94,170
1/4		1/4	182,782	1/4	174,739	1/4	166,643	1/4	158,542	1/4	150,441	1/4	139,025	1/4	124,008	1/4	108,941	1/4	93,856
1/2		1/2	182,616	1/2	174,571	1/2	166,474	1/2	158,373	1/2	150,272	1/2	138,712	1/2	123,695	1/2	108,627	1/2	93,542
3/4		3/4	182,450	3/4	174,402	3/4	166,306	3/4	158,205	3/4	150,103	3/4	138,400	3/4	123,381	3/4	108,313	3/4	93,228
6		6	182,283	6	174,234	6	166,137	6	158,036	6	149,935	6	138,088	6	123,068	6	107,999	6	92,913
1/4		1/4	182,117	1/4	174,066	1/4	165,968	1/4	157,867	1/4	149,766	1/4	137,775	1/4	122,755	1/4	107,684	1/4	92,599
1/2		1/2	181,950	1/2	173,898	1/2	165,799	1/2	157,698	1/2	149,597	1/2	137,463	1/2	122,441	1/2	107,370	1/2	92,285
3/4		3/4	181,784	3/4	173,730	3/4	165,630	3/4	157,529	3/4	149,428	3/4	137,151	3/4	122,128	3/4	107,056	3/4	91,970
7		7	181,617	7	173,562	7	165,462	7	157,361	7	149,260	7	136,839	7	121,815	7	106,742	7	91,656
1/4		1/4	181,451	1/4	173,393	1/4	165,293	1/4	157,192	1/4	149,091	1/4	136,526	1/4	121,501	1/4	106,427	1/4	91,342
1/2		1/2	181,284	1/2	173,225	1/2	165,124	1/2	157,023	1/2	148,922	1/2	136,214	1/2	121,188	1/2	106,113	1/2	91,028
3/4		3/4	181,117	3/4	173,056	3/4	164,955	3/4	156,854	3/4	148,753	3/4	135,902	3/4	120,874	3/4	105,799	3/4	90,713
8		8	180,951	8	172,888	8	164,787	8	156,686	8	148,585	8	135,590	8	120,560	8	105,484	8	90,399
1/4		1/4	180,784	1/4	172,719	1/4	164,618	1/4	156,517	1/4	148,416	1/4	135,277	1/4	120,247	1/4	105,170	1/4	90,085
1/2		1/2	180,618	1/2	172,550	1/2	164,449	1/2	156,348	1/2	148,247	1/2	134,965	1/2	119,933	1/2	104,856	1/2	89,771
3/4		3/4	180,451	3/4	172,381	3/4	164,280	3/4	156,179	3/4	148,078	3/4	134,653	3/4	119,619	3/4	104,542	3/4	89,456
9		9	180,285	9	172,213	9	164,112	9	156,010	9	147,909	9	134,341	9	119,306	9	104,227	9	89,142
1/4		1/4	180,118	1/4	172,044	1/4	163,943	1/4	155,842	1/4	147,741	1/4	134,028	1/4	118,992	1/4	103,913	1/4	88,828
1/2		1/2	179,952	1/2	171,875	1/2	163,774	1/2	155,673	1/2	147,572	1/2	133,716	1/2	118,678	1/2	103,599	1/2	88,513
3/4		3/4	179,784	3/4	171,706	3/4	163,605	3/4	155,504	3/4	147,403	3/4	133,404	3/4	118,365	3/4	103,285	3/4	88,199
10		10	179,615	10	171,538	10	163,436	10	155,335	10	147,234	10	133,092	10	118,051	10	102,970	10	87,885
1/4		1/4	179,447	1/4	171,369	1/4	163,268	1/4	155,167	1/4	147,066	1/4	132,779	1/4	117,737	1/4	102,656	1/4	87,571
1/2		1/2	179,279	1/2	171,200	1/2	163,099	1/2	154,998	1/2	146,897	1/2	132,467	1/2	117,424	1/2	102,342	1/2	87,256
3/4		3/4	179,111	3/4	171,031	3/4	162,930	3/4	154,829	3/4	146,728	3/4	132,155	3/4	117,110	3/4	102,027	3/4	86,942
11		11	178,943	11	170,862	11	162,761	11	154,660	11	146,559	11	131,843	11	116,796	11	101,713	11	86,628
1/4		1/4	178,775	1/4	170,694	1/4	162,593	1/4	154,492	1/4	146,390	1/4	131,530	1/4	116,483	1/4	101,399	1/4	86,313
1/2		1/2	178,606	1/2	170,525	1/2	162,424	1/2	154,323	1/2	146,222	1/2	131,218	1/2	116,169	1/2	101,085	1/2	85,999
3/4		3/4	178,438	3/4	170,356	3/4	162,255	3/4	154,154	3/4	145,909	3/4	130,904	3/4	115,855	3/4	100,770	3/4	85,685

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 TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 55'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 389"

3 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	85,371	0	70,282	0	55,250	0	40,589	0	25,789	0	10,696	0		0		0		0	
1/4	85,056	1/4	69,967	1/4	54,938	1/4	40,288	1/4	25,475	1/4	10,382	1/4		1/4		1/4		1/4	
1/2	84,742	1/2	69,653	1/2	54,626	1/2	39,988	1/2	25,160	1/2	10,067	1/2		1/2		1/2		1/2	
3/4	84,428	3/4	69,339	3/4	54,315	3/4	39,688	3/4	24,846	3/4	9,753	3/4		3/4		3/4		3/4	
1	84,113	1	69,024	1	54,003	1	39,388	1	24,532	1	9,438	1		1		1		1	
1/4	83,799	1/4	68,710	1/4	53,691	1/4	39,087	1/4	24,217	1/4	9,124	1/4		1/4		1/4		1/4	
1/2	83,485	1/2	68,396	1/2	53,379	1/2	38,787	1/2	23,903	1/2	8,809	1/2		1/2		1/2		1/2	
3/4	83,170	3/4	68,081	3/4	53,067	3/4	38,487	3/4	23,588	3/4	8,495	3/4		3/4		3/4		3/4	
2	82,856	2	67,767	2	52,756	2	38,186	2	23,274	2	8,181	2		2		2		2	
1/4	82,542	1/4	67,453	1/4	52,444	1/4	37,886	1/4	22,959	1/4	7,866	1/4		1/4		1/4		1/4	
1/2	82,227	1/2	67,138	1/2	52,132	1/2	37,586	1/2	22,645	1/2	7,552	1/2		1/2		1/2		1/2	
3/4	81,913	3/4	66,824	3/4	51,821	3/4	37,284	3/4	22,330	3/4	7,237	3/4		3/4		3/4		3/4	
3	81,599	3	66,509	3	51,510	3	36,983	3	22,016	3	6,923	3		3		3		3	
1/4	81,284	1/4	66,195	1/4	51,199	1/4	36,681	1/4	21,702	1/4	6,609	1/4		1/4		1/4		1/4	
1/2	80,970	1/2	65,881	1/2	50,888	1/2	36,380	1/2	21,387	1/2	6,294	1/2		1/2		1/2		1/2	
3/4	80,655	3/4	65,566	3/4	50,577	3/4	36,079	3/4	21,073	3/4	5,980	3/4		3/4		3/4		3/4	
4	80,341	4	65,252	4	50,266	4	35,777	4	20,758	4	5,666	4		4		4		4	
1/4	80,027	1/4	64,938	1/4	49,955	1/4	35,476	1/4	20,444	1/4	5,351	1/4		1/4		1/4		1/4	
1/2	79,712	1/2	64,623	1/2	49,644	1/2	35,175	1/2	20,129	1/2	5,037	1/2		1/2		1/2		1/2	
3/4	79,398	3/4	64,309	3/4	49,332	3/4	34,872	3/4	19,815	3/4	4,724	3/4		3/4		3/4		3/4	
5	79,084	5	63,995	5	49,020	5	34,570	5	19,500	5	4,411	5		5		5		5	
1/4	78,769	1/4	63,680	1/4	48,708	1/4	34,267	1/4	19,186	1/4	4,098	1/4		1/4		1/4		1/4	
1/2	78,455	1/2	63,366	1/2	48,395	1/2	33,965	1/2	18,872	1/2	3,785	1/2		1/2		1/2		1/2	
3/4	78,141	3/4	63,052	3/4	48,095	3/4	33,650	3/4	18,557	3/4	3,498	3/4		3/4		3/4		3/4	
6	77,826	6	62,737	6	47,795	6	33,336	6	18,243	6	3,210	6		6		6		6	
1/4	77,512	1/4	62,423	1/4	47,495	1/4	33,021	1/4	17,928	1/4	2,922	1/4		1/4		1/4		1/4	
1/2	77,198	1/2	62,109	1/2	47,194	1/2	32,707	1/2	17,614	1/2	2,635	1/2		1/2		1/2		1/2	
3/4	76,883	3/4	61,797	3/4	46,894	3/4	32,393	3/4	17,299	3/4	2,399	3/4		3/4		3/4		3/4	
7	76,569	7	61,485	7	46,594	7	32,078	7	16,985	7	2,163	7		7		7		7	
1/4	76,254	1/4	61,173	1/4	46,294	1/4	31,764	1/4	16,670	1/4	1,927	1/4		1/4		1/4		1/4	
1/2	75,940	1/2	60,861	1/2	45,993	1/2	31,449	1/2	16,356	1/2	1,692	1/2		1/2		1/2		1/2	
3/4	75,626	3/4	60,550	3/4	45,693	3/4	31,135	3/4	16,042	3/4	1,508	3/4		3/4		3/4		3/4	
8	75,311	8	60,238	8	45,393	8	30,820	8	15,727	8	1,324	8		8		8		8	
1/4	74,997	1/4	59,926	1/4	45,093	1/4	30,506	1/4	15,413	1/4	1,141	1/4		1/4		1/4		1/4	
1/2	74,683	1/2	59,614	1/2	44,792	1/2	30,191	1/2	15,098	1/2	957	1/2		1/2		1/2		1/2	
3/4	74,368	3/4	59,303	3/4	44,492	3/4	29,877	3/4	14,784	3/4		3/4		3/4		3/4		3/4	
9	74,054	9	58,991	9	44,192	9	29,563	9	14,469	9		9		9		9		9	
1/4	73,740	1/4	58,679	1/4	43,891	1/4	29,248	1/4	14,155	1/4		1/4		1/4		1/4		1/4	
1/2	73,425	1/2	58,367	1/2	43,591	1/2	28,934	1/2	13,841	1/2		1/2		1/2		1/2		1/2	
3/4	73,111	3/4	58,056	3/4	43,291	3/4	28,619	3/4	13,526	3/4		3/4		3/4		3/4		3/4	
10	72,797	10	57,744	10	42,991	10	28,305	10	13,212	10		10		10		10		10	
1/4	72,482	1/4	57,432	1/4	42,690	1/4	27,990	1/4	12,897	1/4		1/4		1/4		1/4		1/4	
1/2	72,168	1/2	57,120	1/2	42,390	1/2	27,676	1/2	12,583	1/2		1/2		1/2		1/2		1/2	
3/4	71,854	3/4	56,809	3/4	42,090	3/4	27,361	3/4	12,268	3/4		3/4		3/4		3/4		3/4	
11	71,539	11	56,497	11	41,790	11	27,047	11	11,954	11		11		11		11		11	
1/4	71,225	1/4	56,185	1/4	41,489	1/4	26,733	1/4	11,639	1/4		1/4		1/4		1/4		1/4	
1/2	70,910	1/2	55,873	1/2	41,189	1/2	26,418	1/2	11,325	1/2		1/2		1/2		1/2		1/2	
3/4	70,596	3/4	55,562	3/4	40,889	3/4	26,104	3/4	11,011	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/17/2013 SW
CALCULATED: 10/18/2013 CL
PRINTED: 10/19/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2013

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