



BARGE "CBC 378"

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	00-3/8	- 00-3/8	00-1/2	- 00-1/2
2 STBD	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2
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"

February 18, 2013

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

<http://www.pmacorp.net>



BARGE "CBC 378"

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 378"

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: 02/18/2013 CL
CALCULATED: 02/19/2013 CL
PRINTED: 02/19/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 378"

1 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	964	0	15,226	0	30,448	0	45,621	0	60,793	0	76,016	0	91,239	0	106,462	0	121,680	0	136,897
1/4	1,149	1/4	15,543	1/4	30,765	1/4	45,936	1/4	61,110	1/4	76,333	1/4	91,556	1/4	106,779	1/4	121,997	1/4	137,214
1/2	1,334	1/2	15,860	1/2	31,083	1/2	46,251	1/2	61,428	1/2	76,650	1/2	91,873	1/2	107,096	1/2	122,314	1/2	137,531
3/4	1,519	3/4	16,178	3/4	31,400	3/4	46,565	3/4	61,745	3/4	76,967	3/4	92,190	3/4	107,413	3/4	122,631	3/4	137,848
1	1,704	1	16,495	1	31,717	1	46,880	1	62,062	1	77,285	1	92,507	1	107,730	1	122,948	1	138,165
1/4	1,942	1/4	16,812	1/4	32,034	1/4	47,195	1/4	62,379	1/4	77,602	1/4	92,825	1/4	108,047	1/4	123,265	1/4	138,482
1/2	2,179	1/2	17,129	1/2	32,351	1/2	47,510	1/2	62,696	1/2	77,919	1/2	93,142	1/2	108,364	1/2	123,582	1/2	138,799
3/4	2,417	3/4	17,446	3/4	32,668	3/4	47,825	3/4	63,013	3/4	78,236	3/4	93,459	3/4	108,682	3/4	123,899	3/4	139,117
2	2,655	2	17,763	2	32,985	2	48,140	2	63,330	2	78,553	2	93,776	2	108,999	2	124,216	2	139,434
1/4	2,946	1/4	18,080	1/4	33,302	1/4	48,455	1/4	63,647	1/4	78,870	1/4	94,093	1/4	109,316	1/4	124,533	1/4	139,751
1/2	3,236	1/2	18,397	1/2	33,620	1/2	48,770	1/2	63,965	1/2	79,187	1/2	94,410	1/2	109,633	1/2	124,850	1/2	140,068
3/4	3,527	3/4	18,715	3/4	33,937	3/4	49,085	3/4	64,282	3/4	79,505	3/4	94,727	3/4	109,950	3/4	125,167	3/4	140,385
3	3,817	3	19,032	3	34,254	3	49,400	3	64,599	3	79,822	3	95,044	3	110,267	3	125,484	3	140,702
1/4	4,133	1/4	19,349	1/4	34,571	1/4	49,715	1/4	64,916	1/4	80,139	1/4	95,362	1/4	110,584	1/4	125,801	1/4	141,019
1/2	4,449	1/2	19,666	1/2	34,888	1/2	50,030	1/2	65,233	1/2	80,456	1/2	95,679	1/2	110,901	1/2	126,119	1/2	141,336
3/4	4,764	3/4	19,983	3/4	35,205	3/4	50,345	3/4	65,550	3/4	80,773	3/4	95,996	3/4	111,218	3/4	126,436	3/4	141,653
4	5,080	4	20,300	4	35,522	4	50,660	4	65,867	4	81,090	4	96,313	4	111,535	4	126,753	4	141,970
1/4	5,397	1/4	20,617	1/4	35,839	1/4	50,975	1/4	66,185	1/4	81,407	1/4	96,630	1/4	111,852	1/4	127,070	1/4	142,287
1/2	5,713	1/2	20,934	1/2	36,157	1/2	51,290	1/2	66,502	1/2	81,725	1/2	96,947	1/2	112,169	1/2	127,387	1/2	142,604
3/4	6,030	3/4	21,252	3/4	36,474	3/4	51,605	3/4	66,819	3/4	82,042	3/4	97,264	3/4	112,486	3/4	127,704	3/4	142,921
5	6,347	5	21,569	5	36,791	5	51,920	5	67,136	5	82,359	5	97,582	5	112,803	5	128,021	5	143,238
1/4	6,664	1/4	21,886	1/4	37,108	1/4	52,235	1/4	67,453	1/4	82,676	1/4	97,899	1/4	113,121	1/4	128,338	1/4	143,555
1/2	6,981	1/2	22,203	1/2	37,425	1/2	52,551	1/2	67,770	1/2	82,993	1/2	98,216	1/2	113,438	1/2	128,655	1/2	143,872
3/4	7,298	3/4	22,520	3/4	37,742	3/4	52,866	3/4	68,087	3/4	83,310	3/4	98,533	3/4	113,755	3/4	128,972	3/4	144,189
6	7,615	6	22,837	6	38,059	6	53,182	6	68,405	6	83,627	6	98,850	6	114,072	6	129,289	6	144,506
1/4	7,932	1/4	23,154	1/4	38,375	1/4	53,499	1/4	68,722	1/4	83,945	1/4	99,167	1/4	114,389	1/4	129,606	1/4	144,823
1/2	8,249	1/2	23,471	1/2	38,690	1/2	53,816	1/2	69,039	1/2	84,262	1/2	99,484	1/2	114,706	1/2	129,923	1/2	145,140
3/4	8,566	3/4	23,789	3/4	39,006	3/4	54,133	3/4	69,356	3/4	84,579	3/4	99,802	3/4	115,023	3/4	130,240	3/4	145,457
7	8,884	7	24,106	7	39,321	7	54,450	7	69,673	7	84,896	7	100,119	7	115,340	7	130,557	7	145,774
1/4	9,201	1/4	24,423	1/4	39,636	1/4	54,768	1/4	69,990	1/4	85,213	1/4	100,436	1/4	115,657	1/4	130,874	1/4	146,091
1/2	9,518	1/2	24,740	1/2	39,951	1/2	55,085	1/2	70,307	1/2	85,530	1/2	100,753	1/2	115,974	1/2	131,191	1/2	146,408
3/4	9,835	3/4	25,057	3/4	40,266	3/4	55,402	3/4	70,625	3/4	85,847	3/4	101,070	3/4	116,291	3/4	131,508	3/4	146,725
8	10,152	8	25,374	8	40,581	8	55,719	8	70,942	8	86,165	8	101,387	8	116,608	8	131,825	8	147,042
1/4	10,469	1/4	25,691	1/4	40,896	1/4	56,036	1/4	71,259	1/4	86,482	1/4	101,704	1/4	116,925	1/4	132,142	1/4	147,359
1/2	10,786	1/2	26,009	1/2	41,211	1/2	56,353	1/2	71,576	1/2	86,799	1/2	102,022	1/2	117,242	1/2	132,459	1/2	147,676
3/4	11,103	3/4	26,326	3/4	41,526	3/4	56,670	3/4	71,893	3/4	87,116	3/4	102,339	3/4	117,559	3/4	132,776	3/4	147,993
9	11,421	9	26,643	9	41,841	9	56,988	9	72,210	9	87,433	9	102,656	9	117,876	9	133,093	9	148,310
1/4	11,738	1/4	26,960	1/4	42,156	1/4	57,305	1/4	72,527	1/4	87,750	1/4	102,973	1/4	118,193	1/4	133,410	1/4	148,627
1/2	12,055	1/2	27,277	1/2	42,471	1/2	57,622	1/2	72,845	1/2	88,067	1/2	103,290	1/2	118,510	1/2	133,727	1/2	148,944
3/4	12,372	3/4	27,594	3/4	42,786	3/4	57,939	3/4	73,162	3/4	88,385	3/4	103,607	3/4	118,827	3/4	134,044	3/4	149,261
10	12,689	10	27,911	10	43,101	10	58,256	10	73,479	10	88,702	10	103,924	10	119,144	10	134,361	10	149,578
1/4	13,006	1/4	28,228	1/4	43,416	1/4	58,573	1/4	73,796	1/4	89,019	1/4	104,242	1/4	119,461	1/4	134,678	1/4	149,895
1/2	13,323	1/2	28,546	1/2	43,731	1/2	58,890	1/2	74,113	1/2	89,336	1/2	104,559	1/2	119,778	1/2	134,995	1/2	150,212
3/4	13,640	3/4	28,863	3/4	44,046	3/4	59,208	3/4	74,430	3/4	89,653	3/4	104,876	3/4	120,095	3/4	135,312	3/4	150,529
11	13,958	11	29,180	11	44,361	11	59,525	11	74,747	11	89,970	11	105,193	11	120,412	11	135,629	11	150,846
1/4	14,275	1/4	29,497	1/4	44,676	1/4	59,842	1/4	75,065	1/4	90,287	1/4	105,510	1/4	120,729	1/4	135,946	1/4	151,163
1/2	14,592	1/2	29,814	1/2	44,991	1/2	60,159	1/2	75,382	1/2	90,605	1/2	105,827	1/2	121,046	1/2	136,263	1/2	151,480
3/4	14,909	3/4	30,131	3/4	45,306	3/4	60,476	3/4	75,699	3/4	90,922	3/4	106,144	3/4	121,363	3/4	136,580	3/4	151,798

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 378"

1 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	152,115	0	167,332	0	182,549	0	197,766	0	212,919	0		0		0		0		0	
1/4	152,432	1/4	167,649	1/4	182,866	1/4	198,083	1/4	213,232	1/4		1/4		1/4		1/4		1/4	
1/2	152,749	1/2	167,966	1/2	183,183	1/2	198,400	1/2	213,544	1/2		1/2		1/2		1/2		1/2	
3/4	153,066	3/4	168,283	3/4	183,500	3/4	198,717	3/4	213,857	3/4		3/4		3/4		3/4		3/4	
1	153,383	1	168,600	1	183,817	1	199,034	1	214,170	1		1		1		1		1	
1/4	153,700	1/4	168,917	1/4	184,134	1/4	199,350	1/4	214,483	1/4		1/4		1/4		1/4		1/4	
1/2	154,017	1/2	169,234	1/2	184,451	1/2	199,666	1/2	214,796	1/2		1/2		1/2		1/2		1/2	
3/4	154,334	3/4	169,551	3/4	184,768	3/4	199,982	3/4	215,109	3/4		3/4		3/4		3/4		3/4	
2	154,651	2	169,868	2	185,085	2	200,297	2	215,422	2		2		2		2		2	
1/4	154,968	1/4	170,185	1/4	185,402	1/4	200,613	1/4	215,735	1/4		1/4		1/4		1/4		1/4	
1/2	155,285	1/2	170,502	1/2	185,719	1/2	200,929	1/2	216,047	1/2		1/2		1/2		1/2		1/2	
3/4	155,602	3/4	170,819	3/4	186,036	3/4	201,245	3/4	216,360	3/4		3/4		3/4		3/4		3/4	
3	155,919	3	171,136	3	186,353	3	201,561	3	216,673	3		3		3		3		3	
1/4	156,236	1/4	171,453	1/4	186,670	1/4	201,876	1/4	216,986	1/4		1/4		1/4		1/4		1/4	
1/2	156,553	1/2	171,770	1/2	186,987	1/2	202,192	1/2	217,298	1/2		1/2		1/2		1/2		1/2	
3/4	156,870	3/4	172,087	3/4	187,304	3/4	202,508	3/4	217,610	3/4		3/4		3/4		3/4		3/4	
4	157,187	4	172,404	4	187,621	4	202,824	4	217,923	4		4		4		4		4	
1/4	157,504	1/4	172,721	1/4	187,938	1/4	203,140	1/4	218,234	1/4		1/4		1/4		1/4		1/4	
1/2	157,821	1/2	173,038	1/2	188,255	1/2	203,455	1/2	218,546	1/2		1/2		1/2		1/2		1/2	
3/4	158,138	3/4	173,355	3/4	188,572	3/4	203,771	3/4	218,857	3/4		3/4		3/4		3/4		3/4	
5	158,455	5	173,672	5	188,889	5	204,087	5	219,168	5		5		5		5		5	
1/4	158,772	1/4	173,989	1/4	189,206	1/4	204,403	1/4	219,455	1/4		1/4		1/4		1/4		1/4	
1/2	159,089	1/2	174,306	1/2	189,523	1/2	204,719	1/2	219,741	1/2		1/2		1/2		1/2		1/2	
3/4	159,406	3/4	174,623	3/4	189,840	3/4	205,034	3/4	220,028	3/4		3/4		3/4		3/4		3/4	
6	159,723	6	174,940	6	190,157	6	205,350	6	220,314	6		6		6		6		6	
1/4	160,040	1/4	175,257	1/4	190,475	1/4	205,666	1/4	220,548	1/4		1/4		1/4		1/4		1/4	
1/2	160,357	1/2	175,574	1/2	190,792	1/2	205,982	1/2	220,781	1/2		1/2		1/2		1/2		1/2	
3/4	160,674	3/4	175,891	3/4	191,109	3/4	206,298	3/4	221,015	3/4		3/4		3/4		3/4		3/4	
7	160,991	7	176,208	7	191,426	7	206,613	7	221,248	7		7		7		7		7	
1/4	161,308	1/4	176,525	1/4	191,743	1/4	206,929	1/4	221,430	1/4		1/4		1/4		1/4		1/4	
1/2	161,625	1/2	176,842	1/2	192,060	1/2	207,245	1/2	221,612	1/2		1/2		1/2		1/2		1/2	
3/4	161,942	3/4	177,159	3/4	192,377	3/4	207,561	3/4	221,794	3/4		3/4		3/4		3/4		3/4	
8	162,259	8	177,476	8	192,694	8	207,877	8	221,976	8		8		8		8		8	
1/4	162,576	1/4	177,794	1/4	193,011	1/4	208,192	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,893	1/2	178,111	1/2	193,328	1/2	208,508	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,210	3/4	178,428	3/4	193,645	3/4	208,824	3/4		3/4		3/4		3/4		3/4		3/4	
9	163,527	9	178,745	9	193,962	9	209,140	9		9		9		9		9		9	
1/4	163,844	1/4	179,062	1/4	194,279	1/4	209,456	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,161	1/2	179,379	1/2	194,596	1/2	209,772	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,478	3/4	179,696	3/4	194,913	3/4	210,088	3/4		3/4		3/4		3/4		3/4		3/4	
10	164,796	10	180,013	10	195,230	10	210,403	10		10		10		10		10		10	
1/4	165,113	1/4	180,330	1/4	195,547	1/4	210,719	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	165,430	1/2	180,647	1/2	195,864	1/2	211,035	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	165,747	3/4	180,964	3/4	196,181	3/4	211,351	3/4		3/4		3/4		3/4		3/4		3/4	
11	166,064	11	181,281	11	196,498	11	211,667	11		11		11		11		11		11	
1/4	166,381	1/4	181,598	1/4	196,815	1/4	211,980	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	166,698	1/2	181,915	1/2	197,132	1/2	212,293	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	167,015	3/4	182,232	3/4	197,449	3/4	212,606	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/18/2013 CL
CALCULATED: 02/19/2013 CL
PRINTED: 02/19/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 378"

2 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	961	0	15,186	0	30,368	0	45,540	0	60,712	0	75,895	0	91,077	0	106,260	0	121,438	0	136,615
1/4	1,146	1/4	15,502	1/4	30,684	1/4	45,856	1/4	61,029	1/4	76,211	1/4	91,394	1/4	106,576	1/4	121,755	1/4	136,932
1/2	1,330	1/2	15,819	1/2	31,001	1/2	46,171	1/2	61,345	1/2	76,527	1/2	91,710	1/2	106,893	1/2	122,071	1/2	137,248
3/4	1,515	3/4	16,135	3/4	31,317	3/4	46,487	3/4	61,661	3/4	76,844	3/4	92,026	3/4	107,209	3/4	122,387	3/4	137,564
1	1,699	1	16,451	1	31,633	1	46,803	1	61,977	1	77,160	1	92,343	1	107,525	1	122,703	1	137,880
1/4	1,936	1/4	16,767	1/4	31,949	1/4	47,119	1/4	62,294	1/4	77,476	1/4	92,659	1/4	107,842	1/4	123,019	1/4	138,196
1/2	2,174	1/2	17,084	1/2	32,266	1/2	47,435	1/2	62,610	1/2	77,793	1/2	92,975	1/2	108,158	1/2	123,336	1/2	138,513
3/4	2,411	3/4	17,400	3/4	32,582	3/4	47,750	3/4	62,926	3/4	78,109	3/4	93,292	3/4	108,474	3/4	123,652	3/4	138,829
2	2,648	2	17,716	2	32,898	2	48,066	2	63,243	2	78,425	2	93,608	2	108,790	2	123,968	2	139,145
1/4	2,938	1/4	18,033	1/4	33,215	1/4	48,382	1/4	63,559	1/4	78,742	1/4	93,924	1/4	109,107	1/4	124,284	1/4	139,461
1/2	3,228	1/2	18,349	1/2	33,531	1/2	48,698	1/2	63,875	1/2	79,058	1/2	94,240	1/2	109,423	1/2	124,600	1/2	139,777
3/4	3,518	3/4	18,665	3/4	33,847	3/4	49,014	3/4	64,192	3/4	79,374	3/4	94,557	3/4	109,739	3/4	124,917	3/4	140,094
3	3,807	3	18,981	3	34,163	3	49,329	3	64,508	3	79,690	3	94,873	3	110,056	3	125,233	3	140,410
1/4	4,122	1/4	19,298	1/4	34,480	1/4	49,645	1/4	64,824	1/4	80,007	1/4	95,189	1/4	110,372	1/4	125,549	1/4	140,726
1/2	4,437	1/2	19,614	1/2	34,796	1/2	49,961	1/2	65,140	1/2	80,323	1/2	95,506	1/2	110,688	1/2	125,865	1/2	141,042
3/4	4,752	3/4	19,930	3/4	35,112	3/4	50,277	3/4	65,457	3/4	80,639	3/4	95,822	3/4	111,004	3/4	126,181	3/4	141,358
4	5,067	4	20,247	4	35,429	4	50,593	4	65,773	4	80,956	4	96,138	4	111,320	4	126,497	4	141,674
1/4	5,382	1/4	20,563	1/4	35,745	1/4	50,908	1/4	66,089	1/4	81,272	1/4	96,455	1/4	111,637	1/4	126,814	1/4	141,991
1/2	5,698	1/2	20,879	1/2	36,061	1/2	51,224	1/2	66,406	1/2	81,588	1/2	96,771	1/2	111,953	1/2	127,130	1/2	142,307
3/4	6,014	3/4	21,196	3/4	36,378	3/4	51,540	3/4	66,722	3/4	81,905	3/4	97,087	3/4	112,269	3/4	127,446	3/4	142,623
5	6,330	5	21,512	5	36,694	5	51,856	5	67,038	5	82,221	5	97,404	5	112,585	5	127,762	5	142,939
1/4	6,646	1/4	21,828	1/4	37,010	1/4	52,172	1/4	67,355	1/4	82,537	1/4	97,720	1/4	112,901	1/4	128,078	1/4	143,255
1/2	6,962	1/2	22,144	1/2	37,326	1/2	52,488	1/2	67,671	1/2	82,854	1/2	98,036	1/2	113,218	1/2	128,395	1/2	143,572
3/4	7,279	3/4	22,461	3/4	37,643	3/4	52,805	3/4	67,987	3/4	83,170	3/4	98,352	3/4	113,534	3/4	128,711	3/4	143,888
6	7,595	6	22,777	6	37,959	6	53,121	6	68,304	6	83,486	6	98,669	6	113,850	6	129,027	6	144,204
1/4	7,911	1/4	23,093	1/4	38,275	1/4	53,437	1/4	68,620	1/4	83,802	1/4	98,985	1/4	114,166	1/4	129,343	1/4	144,520
1/2	8,228	1/2	23,410	1/2	38,592	1/2	53,754	1/2	68,936	1/2	84,119	1/2	99,301	1/2	114,482	1/2	129,659	1/2	144,836
3/4	8,544	3/4	23,726	3/4	38,908	3/4	54,070	3/4	69,252	3/4	84,435	3/4	99,618	3/4	114,799	3/4	129,976	3/4	145,153
7	8,860	7	24,042	7	39,224	7	54,386	7	69,569	7	84,751	7	99,934	7	115,115	7	130,292	7	145,469
1/4	9,176	1/4	24,358	1/4	39,540	1/4	54,702	1/4	69,885	1/4	85,068	1/4	100,250	1/4	115,431	1/4	130,608	1/4	145,785
1/2	9,493	1/2	24,675	1/2	39,856	1/2	55,019	1/2	70,201	1/2	85,384	1/2	100,567	1/2	115,747	1/2	130,924	1/2	146,101
3/4	9,809	3/4	24,991	3/4	40,172	3/4	55,335	3/4	70,518	3/4	85,700	3/4	100,883	3/4	116,063	3/4	131,240	3/4	146,417
8	10,125	8	25,307	8	40,487	8	55,651	8	70,834	8	86,017	8	101,199	8	116,379	8	131,556	8	146,733
1/4	10,442	1/4	25,624	1/4	40,803	1/4	55,968	1/4	71,150	1/4	86,333	1/4	101,515	1/4	116,696	1/4	131,873	1/4	147,050
1/2	10,758	1/2	25,940	1/2	41,119	1/2	56,284	1/2	71,467	1/2	86,649	1/2	101,832	1/2	117,012	1/2	132,189	1/2	147,366
3/4	11,074	3/4	26,256	3/4	41,435	3/4	56,600	3/4	71,783	3/4	86,965	3/4	102,148	3/4	117,328	3/4	132,505	3/4	147,682
9	11,390	9	26,572	9	41,750	9	56,917	9	72,099	9	87,282	9	102,464	9	117,644	9	132,821	9	147,998
1/4	11,707	1/4	26,889	1/4	42,066	1/4	57,233	1/4	72,415	1/4	87,598	1/4	102,781	1/4	117,960	1/4	133,137	1/4	148,314
1/2	12,023	1/2	27,205	1/2	42,382	1/2	57,549	1/2	72,732	1/2	87,914	1/2	103,097	1/2	118,277	1/2	133,454	1/2	148,631
3/4	12,339	3/4	27,521	3/4	42,698	3/4	57,865	3/4	73,048	3/4	88,231	3/4	103,413	3/4	118,593	3/4	133,770	3/4	148,947
10	12,656	10	27,838	10	43,014	10	58,182	10	73,364	10	88,547	10	103,730	10	118,909	10	134,086	10	149,263
1/4	12,972	1/4	28,154	1/4	43,329	1/4	58,498	1/4	73,681	1/4	88,863	1/4	104,046	1/4	119,225	1/4	134,402	1/4	149,579
1/2	13,288	1/2	28,470	1/2	43,645	1/2	58,814	1/2	73,997	1/2	89,180	1/2	104,362	1/2	119,541	1/2	134,718	1/2	149,895
3/4	13,605	3/4	28,787	3/4	43,961	3/4	59,131	3/4	74,313	3/4	89,496	3/4	104,679	3/4	119,858	3/4	135,035	3/4	150,212
11	13,921	11	29,103	11	44,277	11	59,447	11	74,630	11	89,812	11	104,995	11	120,174	11	135,351	11	150,528
1/4	14,237	1/4	29,419	1/4	44,593	1/4	59,763	1/4	74,946	1/4	90,129	1/4	105,311	1/4	120,490	1/4	135,667	1/4	150,844
1/2	14,553	1/2	29,735	1/2	44,908	1/2	60,080	1/2	75,262	1/2	90,445	1/2	105,627	1/2	120,806	1/2	135,983	1/2	151,160
3/4	14,870	3/4	30,052	3/4	45,224	3/4	60,396	3/4	75,579	3/4	90,761	3/4	105,944	3/4	121,122	3/4	136,299	3/4	151,476

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 41'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 378"

2 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	151,792	0	166,969	0	182,147	0	197,324	0	212,436	0		0		0		0		0	
1/4	152,109	1/4	167,286	1/4	182,463	1/4	197,640	1/4	212,748	1/4		1/4		1/4		1/4		1/4	
1/2	152,425	1/2	167,602	1/2	182,779	1/2	197,956	1/2	213,060	1/2		1/2		1/2		1/2		1/2	
3/4	152,741	3/4	167,918	3/4	183,095	3/4	198,272	3/4	213,372	3/4		3/4		3/4		3/4		3/4	
1	153,057	1	168,234	1	183,411	1	198,588	1	213,684	1		1		1		1		1	
1/4	153,373	1/4	168,550	1/4	183,727	1/4	198,903	1/4	213,996	1/4		1/4		1/4		1/4		1/4	
1/2	153,690	1/2	168,867	1/2	184,044	1/2	199,218	1/2	214,308	1/2		1/2		1/2		1/2		1/2	
3/4	154,006	3/4	169,183	3/4	184,360	3/4	199,533	3/4	214,620	3/4		3/4		3/4		3/4		3/4	
2	154,322	2	169,499	2	184,676	2	199,848	2	214,932	2		2		2		2		2	
1/4	154,638	1/4	169,815	1/4	184,992	1/4	200,163	1/4	215,244	1/4		1/4		1/4		1/4		1/4	
1/2	154,954	1/2	170,131	1/2	185,308	1/2	200,478	1/2	215,556	1/2		1/2		1/2		1/2		1/2	
3/4	155,271	3/4	170,448	3/4	185,625	3/4	200,793	3/4	215,868	3/4		3/4		3/4		3/4		3/4	
3	155,587	3	170,764	3	185,941	3	201,108	3	216,180	3		3		3		3		3	
1/4	155,903	1/4	171,080	1/4	186,257	1/4	201,423	1/4	216,492	1/4		1/4		1/4		1/4		1/4	
1/2	156,219	1/2	171,396	1/2	186,573	1/2	201,738	1/2	216,804	1/2		1/2		1/2		1/2		1/2	
3/4	156,535	3/4	171,712	3/4	186,889	3/4	202,053	3/4	217,115	3/4		3/4		3/4		3/4		3/4	
4	156,851	4	172,029	4	187,206	4	202,368	4	217,427	4		4		4		4		4	
1/4	157,168	1/4	172,345	1/4	187,522	1/4	202,683	1/4	217,737	1/4		1/4		1/4		1/4		1/4	
1/2	157,484	1/2	172,661	1/2	187,838	1/2	202,998	1/2	218,048	1/2		1/2		1/2		1/2		1/2	
3/4	157,800	3/4	172,977	3/4	188,154	3/4	203,313	3/4	218,359	3/4		3/4		3/4		3/4		3/4	
5	158,116	5	173,293	5	188,470	5	203,628	5	218,669	5		5		5		5		5	
1/4	158,432	1/4	173,609	1/4	188,786	1/4	203,943	1/4	218,955	1/4		1/4		1/4		1/4		1/4	
1/2	158,749	1/2	173,926	1/2	189,103	1/2	204,258	1/2	219,240	1/2		1/2		1/2		1/2		1/2	
3/4	159,065	3/4	174,242	3/4	189,419	3/4	204,573	3/4	219,526	3/4		3/4		3/4		3/4		3/4	
6	159,381	6	174,558	6	189,735	6	204,888	6	219,812	6		6		6		6		6	
1/4	159,697	1/4	174,874	1/4	190,051	1/4	205,203	1/4	220,045	1/4		1/4		1/4		1/4		1/4	
1/2	160,013	1/2	175,190	1/2	190,367	1/2	205,518	1/2	220,278	1/2		1/2		1/2		1/2		1/2	
3/4	160,330	3/4	175,507	3/4	190,684	3/4	205,832	3/4	220,510	3/4		3/4		3/4		3/4		3/4	
7	160,646	7	175,823	7	191,000	7	206,147	7	220,743	7		7		7		7		7	
1/4	160,962	1/4	176,139	1/4	191,316	1/4	206,462	1/4	220,925	1/4		1/4		1/4		1/4		1/4	
1/2	161,278	1/2	176,455	1/2	191,632	1/2	206,777	1/2	221,106	1/2		1/2		1/2		1/2		1/2	
3/4	161,594	3/4	176,771	3/4	191,948	3/4	207,092	3/4	221,288	3/4		3/4		3/4		3/4		3/4	
8	161,910	8	177,088	8	192,265	8	207,407	8	221,469	8		8		8		8		8	
1/4	162,227	1/4	177,404	1/4	192,581	1/4	207,722	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,543	1/2	177,720	1/2	192,897	1/2	208,037	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,859	3/4	178,036	3/4	193,213	3/4	208,352	3/4		3/4		3/4		3/4		3/4		3/4	
9	163,175	9	178,352	9	193,529	9	208,667	9		9		9		9		9		9	
1/4	163,491	1/4	178,668	1/4	193,845	1/4	208,982	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,808	1/2	178,985	1/2	194,162	1/2	209,297	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,124	3/4	179,301	3/4	194,478	3/4	209,612	3/4		3/4		3/4		3/4		3/4		3/4	
10	164,440	10	179,617	10	194,794	10	209,927	10		10		10		10		10		10	
1/4	164,756	1/4	179,933	1/4	195,110	1/4	210,242	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	165,072	1/2	180,249	1/2	195,426	1/2	210,558	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	165,389	3/4	180,566	3/4	195,743	3/4	210,873	3/4		3/4		3/4		3/4		3/4		3/4	
11	165,705	11	180,882	11	196,059	11	211,188	11		11		11		11		11		11	
1/4	166,021	1/4	181,198	1/4	196,375	1/4	211,500	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	166,337	1/2	181,514	1/2	196,691	1/2	211,812	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	166,653	3/4	181,830	3/4	197,007	3/4	212,124	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/18/2013 CL
CALCULATED: 02/19/2013 CL
PRINTED: 02/19/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 378"

2 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	961	0	15,182	0	30,361	0	45,195	0	60,030	0	75,209	0	90,388	0	105,567	0	120,742	0	135,915
1/4	1,146	1/4	15,499	1/4	30,677	1/4	45,497	1/4	60,347	1/4	75,526	1/4	90,705	1/4	105,884	1/4	121,058	1/4	136,232
1/2	1,330	1/2	15,815	1/2	30,993	1/2	45,799	1/2	60,663	1/2	75,842	1/2	91,021	1/2	106,200	1/2	121,374	1/2	136,548
3/4	1,514	3/4	16,131	3/4	31,309	3/4	46,101	3/4	60,979	3/4	76,158	3/4	91,337	3/4	106,516	3/4	121,690	3/4	136,864
1	1,699	1	16,447	1	31,626	1	46,403	1	61,295	1	76,474	1	91,653	1	106,832	1	122,007	1	137,180
1/4	1,936	1/4	16,763	1/4	31,942	1/4	46,704	1/4	61,612	1/4	76,791	1/4	91,969	1/4	107,148	1/4	122,323	1/4	137,496
1/2	2,173	1/2	17,080	1/2	32,258	1/2	47,006	1/2	61,928	1/2	77,107	1/2	92,286	1/2	107,465	1/2	122,639	1/2	137,812
3/4	2,410	3/4	17,396	3/4	32,574	3/4	47,308	3/4	62,244	3/4	77,423	3/4	92,602	3/4	107,781	3/4	122,955	3/4	138,128
2	2,647	2	17,712	2	32,890	2	47,610	2	62,560	2	77,739	2	92,918	2	108,097	2	123,271	2	138,444
1/4	2,937	1/4	18,028	1/4	33,207	1/4	47,912	1/4	62,876	1/4	78,055	1/4	93,234	1/4	108,413	1/4	123,587	1/4	138,760
1/2	3,227	1/2	18,344	1/2	33,523	1/2	48,213	1/2	63,193	1/2	78,372	1/2	93,551	1/2	108,730	1/2	123,903	1/2	139,077
3/4	3,517	3/4	18,661	3/4	33,839	3/4	48,515	3/4	63,509	3/4	78,688	3/4	93,867	3/4	109,046	3/4	124,219	3/4	139,393
3	3,806	3	18,977	3	34,155	3	48,817	3	63,825	3	79,004	3	94,183	3	109,362	3	124,535	3	139,709
1/4	4,121	1/4	19,293	1/4	34,471	1/4	49,119	1/4	64,141	1/4	79,320	1/4	94,499	1/4	109,678	1/4	124,852	1/4	140,025
1/2	4,436	1/2	19,609	1/2	34,788	1/2	49,421	1/2	64,458	1/2	79,637	1/2	94,816	1/2	109,994	1/2	125,168	1/2	140,341
3/4	4,751	3/4	19,926	3/4	35,104	3/4	49,723	3/4	64,774	3/4	79,953	3/4	95,132	3/4	110,310	3/4	125,484	3/4	140,657
4	5,065	4	20,242	4	35,420	4	50,024	4	65,090	4	80,269	4	95,448	4	110,626	4	125,800	4	140,973
1/4	5,381	1/4	20,558	1/4	35,736	1/4	50,326	1/4	65,406	1/4	80,585	1/4	95,764	1/4	110,943	1/4	126,116	1/4	141,289
1/2	5,697	1/2	20,874	1/2	36,053	1/2	50,628	1/2	65,723	1/2	80,901	1/2	96,080	1/2	111,259	1/2	126,432	1/2	141,605
3/4	6,013	3/4	21,190	3/4	36,369	3/4	50,930	3/4	66,039	3/4	81,218	3/4	96,397	3/4	111,575	3/4	126,748	3/4	141,922
5	6,328	5	21,507	5	36,685	5	51,232	5	66,355	5	81,534	5	96,713	5	111,891	5	127,064	5	142,238
1/4	6,645	1/4	21,823	1/4	37,001	1/4	51,534	1/4	66,671	1/4	81,850	1/4	97,029	1/4	112,207	1/4	127,380	1/4	142,554
1/2	6,961	1/2	22,139	1/2	37,317	1/2	51,836	1/2	66,987	1/2	82,166	1/2	97,345	1/2	112,523	1/2	127,697	1/2	142,870
3/4	7,277	3/4	22,455	3/4	37,634	3/4	52,139	3/4	67,304	3/4	82,483	3/4	97,662	3/4	112,839	3/4	128,013	3/4	143,186
6	7,593	6	22,771	6	37,950	6	52,441	6	67,620	6	82,799	6	97,978	6	113,155	6	128,329	6	143,502
1/4	7,909	1/4	23,088	1/4	38,252	1/4	52,757	1/4	67,936	1/4	83,115	1/4	98,294	1/4	113,471	1/4	128,645	1/4	143,818
1/2	8,226	1/2	23,404	1/2	38,554	1/2	53,073	1/2	68,252	1/2	83,431	1/2	98,610	1/2	113,788	1/2	128,961	1/2	144,134
3/4	8,542	3/4	23,720	3/4	38,857	3/4	53,390	3/4	68,569	3/4	83,748	3/4	98,927	3/4	114,104	3/4	129,277	3/4	144,450
7	8,858	7	24,036	7	39,159	7	53,706	7	68,885	7	84,064	7	99,243	7	114,420	7	129,593	7	144,767
1/4	9,174	1/4	24,353	1/4	39,461	1/4	54,022	1/4	69,201	1/4	84,380	1/4	99,559	1/4	114,736	1/4	129,909	1/4	145,083
1/2	9,490	1/2	24,669	1/2	39,763	1/2	54,338	1/2	69,517	1/2	84,696	1/2	99,875	1/2	115,052	1/2	130,225	1/2	145,399
3/4	9,807	3/4	24,985	3/4	40,065	3/4	54,655	3/4	69,833	3/4	85,012	3/4	100,191	3/4	115,368	3/4	130,542	3/4	145,715
8	10,123	8	25,301	8	40,366	8	54,971	8	70,150	8	85,329	8	100,508	8	115,684	8	130,858	8	146,031
1/4	10,439	1/4	25,617	1/4	40,668	1/4	55,287	1/4	70,466	1/4	85,645	1/4	100,824	1/4	116,000	1/4	131,174	1/4	146,347
1/2	10,755	1/2	25,934	1/2	40,970	1/2	55,603	1/2	70,782	1/2	85,961	1/2	101,140	1/2	116,316	1/2	131,490	1/2	146,663
3/4	11,071	3/4	26,250	3/4	41,272	3/4	55,919	3/4	71,098	3/4	86,277	3/4	101,456	3/4	116,633	3/4	131,806	3/4	146,979
9	11,388	9	26,566	9	41,574	9	56,236	9	71,415	9	86,594	9	101,773	9	116,949	9	132,122	9	147,295
1/4	11,704	1/4	26,882	1/4	41,875	1/4	56,552	1/4	71,731	1/4	86,910	1/4	102,089	1/4	117,265	1/4	132,438	1/4	147,612
1/2	12,020	1/2	27,199	1/2	42,177	1/2	56,868	1/2	72,047	1/2	87,226	1/2	102,405	1/2	117,581	1/2	132,754	1/2	147,928
3/4	12,336	3/4	27,515	3/4	42,479	3/4	57,184	3/4	72,363	3/4	87,542	3/4	102,721	3/4	117,897	3/4	133,070	3/4	148,244
10	12,653	10	27,831	10	42,781	10	57,501	10	72,680	10	87,859	10	103,037	10	118,213	10	133,387	10	148,560
1/4	12,969	1/4	28,147	1/4	43,083	1/4	57,817	1/4	72,996	1/4	88,175	1/4	103,354	1/4	118,529	1/4	133,703	1/4	148,876
1/2	13,285	1/2	28,463	1/2	43,384	1/2	58,133	1/2	73,312	1/2	88,491	1/2	103,670	1/2	118,845	1/2	134,019	1/2	149,192
3/4	13,601	3/4	28,780	3/4	43,686	3/4	58,449	3/4	73,628	3/4	88,807	3/4	103,986	3/4	119,162	3/4	134,335	3/4	149,508
11	13,917	11	29,096	11	43,988	11	58,765	11	73,944	11	89,123	11	104,302	11	119,478	11	134,651	11	149,824
1/4	14,234	1/4	29,412	1/4	44,290	1/4	59,082	1/4	74,261	1/4	89,440	1/4	104,619	1/4	119,794	1/4	134,967	1/4	150,140
1/2	14,550	1/2	29,728	1/2	44,592	1/2	59,398	1/2	74,577	1/2	89,756	1/2	104,935	1/2	120,110	1/2	135,283	1/2	150,457
3/4	14,866	3/4	30,044	3/4	44,894	3/4	59,714	3/4	74,893	3/4	90,072	3/4	105,251	3/4	120,426	3/4	135,599	3/4	150,773

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 41'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 378"

2 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	151,089	0	166,262	0	181,436	0	196,609	0	211,718	0		0		0		0		0	
1/4	151,405	1/4	166,578	1/4	181,752	1/4	196,925	1/4	212,030	1/4		1/4		1/4		1/4		1/4	
1/2	151,721	1/2	166,894	1/2	182,068	1/2	197,241	1/2	212,342	1/2		1/2		1/2		1/2		1/2	
3/4	152,037	3/4	167,210	3/4	182,384	3/4	197,557	3/4	212,654	3/4		3/4		3/4		3/4		3/4	
1	152,353	1	167,527	1	182,700	1	197,873	1	212,966	1		1		1		1		1	
1/4	152,669	1/4	167,843	1/4	183,016	1/4	198,188	1/4	213,278	1/4		1/4		1/4		1/4		1/4	
1/2	152,985	1/2	168,159	1/2	183,332	1/2	198,503	1/2	213,590	1/2		1/2		1/2		1/2		1/2	
3/4	153,302	3/4	168,475	3/4	183,648	3/4	198,818	3/4	213,902	3/4		3/4		3/4		3/4		3/4	
2	153,618	2	168,791	2	183,964	2	199,133	2	214,214	2		2		2		2		2	
1/4	153,934	1/4	169,107	1/4	184,281	1/4	199,448	1/4	214,526	1/4		1/4		1/4		1/4		1/4	
1/2	154,250	1/2	169,423	1/2	184,597	1/2	199,763	1/2	214,837	1/2		1/2		1/2		1/2		1/2	
3/4	154,566	3/4	169,739	3/4	184,913	3/4	200,078	3/4	215,149	3/4		3/4		3/4		3/4		3/4	
3	154,882	3	170,056	3	185,229	3	200,392	3	215,461	3		3		3		3		3	
1/4	155,198	1/4	170,372	1/4	185,545	1/4	200,707	1/4	215,773	1/4		1/4		1/4		1/4		1/4	
1/2	155,514	1/2	170,688	1/2	185,861	1/2	201,022	1/2	216,084	1/2		1/2		1/2		1/2		1/2	
3/4	155,830	3/4	171,004	3/4	186,177	3/4	201,337	3/4	216,396	3/4		3/4		3/4		3/4		3/4	
4	156,147	4	171,320	4	186,493	4	201,652	4	216,708	4		4		4		4		4	
1/4	156,463	1/4	171,636	1/4	186,809	1/4	201,967	1/4	217,018	1/4		1/4		1/4		1/4		1/4	
1/2	156,779	1/2	171,952	1/2	187,126	1/2	202,282	1/2	217,329	1/2		1/2		1/2		1/2		1/2	
3/4	157,095	3/4	172,268	3/4	187,442	3/4	202,597	3/4	217,639	3/4		3/4		3/4		3/4		3/4	
5	157,411	5	172,584	5	187,758	5	202,912	5	217,950	5		5		5		5		5	
1/4	157,727	1/4	172,901	1/4	188,074	1/4	203,226	1/4	218,235	1/4		1/4		1/4		1/4		1/4	
1/2	158,043	1/2	173,217	1/2	188,390	1/2	203,541	1/2	218,521	1/2		1/2		1/2		1/2		1/2	
3/4	158,359	3/4	173,533	3/4	188,706	3/4	203,856	3/4	218,806	3/4		3/4		3/4		3/4		3/4	
6	158,675	6	173,849	6	189,022	6	204,171	6	219,092	6		6		6		6		6	
1/4	158,992	1/4	174,165	1/4	189,338	1/4	204,486	1/4	219,325	1/4		1/4		1/4		1/4		1/4	
1/2	159,308	1/2	174,481	1/2	189,654	1/2	204,801	1/2	219,558	1/2		1/2		1/2		1/2		1/2	
3/4	159,624	3/4	174,797	3/4	189,971	3/4	205,116	3/4	219,790	3/4		3/4		3/4		3/4		3/4	
7	159,940	7	175,113	7	190,287	7	205,431	7	220,023	7		7		7		7		7	
1/4	160,256	1/4	175,429	1/4	190,603	1/4	205,746	1/4	220,205	1/4		1/4		1/4		1/4		1/4	
1/2	160,572	1/2	175,746	1/2	190,919	1/2	206,061	1/2	220,386	1/2		1/2		1/2		1/2		1/2	
3/4	160,888	3/4	176,062	3/4	191,235	3/4	206,375	3/4	220,568	3/4		3/4		3/4		3/4		3/4	
8	161,204	8	176,378	8	191,551	8	206,690	8	220,749	8		8		8		8		8	
1/4	161,520	1/4	176,694	1/4	191,867	1/4	207,005	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,837	1/2	177,010	1/2	192,183	1/2	207,320	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,153	3/4	177,326	3/4	192,499	3/4	207,635	3/4		3/4		3/4		3/4		3/4		3/4	
9	162,469	9	177,642	9	192,816	9	207,950	9		9		9		9		9		9	
1/4	162,785	1/4	177,958	1/4	193,132	1/4	208,265	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,101	1/2	178,274	1/2	193,448	1/2	208,580	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,417	3/4	178,591	3/4	193,764	3/4	208,895	3/4		3/4		3/4		3/4		3/4		3/4	
10	163,733	10	178,907	10	194,080	10	209,210	10		10		10		10		10		10	
1/4	164,049	1/4	179,223	1/4	194,396	1/4	209,525	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,365	1/2	179,539	1/2	194,712	1/2	209,840	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,682	3/4	179,855	3/4	195,028	3/4	210,155	3/4		3/4		3/4		3/4		3/4		3/4	
11	164,998	11	180,171	11	195,344	11	210,470	11		11		11		11		11		11	
1/4	165,314	1/4	180,487	1/4	195,661	1/4	210,782	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	165,630	1/2	180,803	1/2	195,977	1/2	211,094	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	165,946	3/4	181,119	3/4	196,293	3/4	211,406	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/18/2013 CL
CALCULATED: 02/19/2013 CL
PRINTED: 02/19/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 378"

3 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	957	0	15,117	0	30,230	0	45,334	0	60,441	0	75,555	0	90,667	0	105,777	0	120,879	0	135,943
1/4	1,141	1/4	15,432	1/4	30,545	1/4	45,649	1/4	60,756	1/4	75,870	1/4	90,982	1/4	106,092	1/4	121,193	1/4	136,256
1/2	1,324	1/2	15,747	1/2	30,860	1/2	45,963	1/2	61,071	1/2	76,184	1/2	91,297	1/2	106,407	1/2	121,507	1/2	136,569
3/4	1,508	3/4	16,062	3/4	31,175	3/4	46,278	3/4	61,386	3/4	76,499	3/4	91,612	3/4	106,721	3/4	121,821	3/4	136,881
1	1,692	1	16,377	1	31,490	1	46,592	1	61,701	1	76,814	1	91,926	1	107,036	1	122,136	1	137,194
1/4	1,928	1/4	16,691	1/4	31,804	1/4	46,907	1/4	62,015	1/4	77,129	1/4	92,241	1/4	107,351	1/4	122,450	1/4	137,507
1/2	2,164	1/2	17,006	1/2	32,119	1/2	47,221	1/2	62,330	1/2	77,444	1/2	92,556	1/2	107,666	1/2	122,764	1/2	137,820
3/4	2,400	3/4	17,321	3/4	32,434	3/4	47,536	3/4	62,645	3/4	77,759	3/4	92,871	3/4	107,981	3/4	123,078	3/4	138,132
2	2,636	2	17,636	2	32,749	2	47,850	2	62,960	2	78,074	2	93,185	2	108,295	2	123,392	2	138,445
1/4	2,925	1/4	17,951	1/4	33,064	1/4	48,165	1/4	63,275	1/4	78,389	1/4	93,500	1/4	108,610	1/4	123,707	1/4	138,758
1/2	3,213	1/2	18,266	1/2	33,379	1/2	48,479	1/2	63,590	1/2	78,703	1/2	93,815	1/2	108,925	1/2	124,021	1/2	139,071
3/4	3,502	3/4	18,581	3/4	33,694	3/4	48,793	3/4	63,905	3/4	79,018	3/4	94,130	3/4	109,240	3/4	124,335	3/4	139,383
3	3,790	3	18,895	3	34,008	3	49,108	3	64,220	3	79,333	3	94,445	3	109,555	3	124,649	3	139,696
1/4	4,104	1/4	19,210	1/4	34,323	1/4	49,422	1/4	64,534	1/4	79,648	1/4	94,759	1/4	109,869	1/4	124,963	1/4	140,010
1/2	4,417	1/2	19,525	1/2	34,638	1/2	49,737	1/2	64,849	1/2	79,963	1/2	95,074	1/2	110,184	1/2	125,278	1/2	140,323
3/4	4,730	3/4	19,840	3/4	34,953	3/4	50,051	3/4	65,164	3/4	80,278	3/4	95,389	3/4	110,499	3/4	125,592	3/4	140,636
4	5,044	4	20,155	4	35,268	4	50,366	4	65,479	4	80,593	4	95,704	4	110,814	4	125,906	4	140,950
1/4	5,358	1/4	20,470	1/4	35,583	1/4	50,681	1/4	65,794	1/4	80,907	1/4	96,019	1/4	111,128	1/4	126,220	1/4	141,263
1/2	5,673	1/2	20,784	1/2	35,897	1/2	50,995	1/2	66,109	1/2	81,222	1/2	96,333	1/2	111,443	1/2	126,534	1/2	141,577
3/4	5,987	3/4	21,099	3/4	36,212	3/4	51,310	3/4	66,424	3/4	81,537	3/4	96,648	3/4	111,758	3/4	126,849	3/4	141,890
5	6,301	5	21,414	5	36,527	5	51,625	5	66,738	5	81,852	5	96,963	5	112,072	5	127,163	5	142,203
1/4	6,616	1/4	21,729	1/4	36,842	1/4	51,940	1/4	67,053	1/4	82,167	1/4	97,278	1/4	112,387	1/4	127,477	1/4	142,517
1/2	6,931	1/2	22,044	1/2	37,157	1/2	52,255	1/2	67,368	1/2	82,482	1/2	97,593	1/2	112,702	1/2	127,791	1/2	142,830
3/4	7,246	3/4	22,359	3/4	37,472	3/4	52,569	3/4	67,683	3/4	82,797	3/4	97,907	3/4	113,017	3/4	128,105	3/4	143,144
6	7,561	6	22,674	6	37,787	6	52,884	6	67,998	6	83,112	6	98,222	6	113,331	6	128,420	6	143,457
1/4	7,875	1/4	22,988	1/4	38,101	1/4	53,199	1/4	68,313	1/4	83,426	1/4	98,537	1/4	113,646	1/4	128,734	1/4	143,771
1/2	8,190	1/2	23,303	1/2	38,416	1/2	53,514	1/2	68,628	1/2	83,741	1/2	98,852	1/2	113,961	1/2	129,048	1/2	144,084
3/4	8,505	3/4	23,618	3/4	38,730	3/4	53,829	3/4	68,943	3/4	84,056	3/4	99,166	3/4	114,276	3/4	129,362	3/4	144,397
7	8,820	7	23,933	7	39,045	7	54,144	7	69,257	7	84,371	7	99,481	7	114,590	7	129,676	7	144,711
1/4	9,135	1/4	24,248	1/4	39,359	1/4	54,459	1/4	69,572	1/4	84,686	1/4	99,796	1/4	114,905	1/4	129,991	1/4	145,024
1/2	9,450	1/2	24,563	1/2	39,674	1/2	54,774	1/2	69,887	1/2	85,001	1/2	100,111	1/2	115,220	1/2	130,305	1/2	145,338
3/4	9,765	3/4	24,878	3/4	39,988	3/4	55,088	3/4	70,202	3/4	85,316	3/4	100,426	3/4	115,535	3/4	130,619	3/4	145,651
8	10,079	8	25,192	8	40,303	8	55,403	8	70,517	8	85,630	8	100,740	8	115,849	8	130,933	8	145,964
1/4	10,394	1/4	25,507	1/4	40,617	1/4	55,718	1/4	70,832	1/4	85,945	1/4	101,055	1/4	116,164	1/4	131,247	1/4	146,278
1/2	10,709	1/2	25,822	1/2	40,932	1/2	56,033	1/2	71,147	1/2	86,260	1/2	101,370	1/2	116,479	1/2	131,562	1/2	146,591
3/4	11,024	3/4	26,137	3/4	41,246	3/4	56,348	3/4	71,461	3/4	86,575	3/4	101,685	3/4	116,794	3/4	131,876	3/4	146,905
9	11,339	9	26,452	9	41,561	9	56,663	9	71,776	9	86,890	9	102,000	9	117,108	9	132,190	9	147,218
1/4	11,654	1/4	26,767	1/4	41,875	1/4	56,978	1/4	72,091	1/4	87,204	1/4	102,314	1/4	117,423	1/4	132,503	1/4	147,387
1/2	11,969	1/2	27,082	1/2	42,190	1/2	57,292	1/2	72,406	1/2	87,519	1/2	102,629	1/2	117,737	1/2	132,815	1/2	147,557
3/4	12,283	3/4	27,396	3/4	42,504	3/4	57,607	3/4	72,721	3/4	87,834	3/4	102,944	3/4	118,051	3/4	133,128	3/4	147,726
10	12,598	10	27,711	10	42,819	10	57,922	10	73,036	10	88,149	10	103,259	10	118,365	10	133,441	10	147,895
1/4	12,913	1/4	28,026	1/4	43,133	1/4	58,237	1/4	73,351	1/4	88,464	1/4	103,574	1/4	118,679	1/4	133,754	1/4	148,065
1/2	13,228	1/2	28,341	1/2	43,448	1/2	58,552	1/2	73,666	1/2	88,778	1/2	103,888	1/2	118,994	1/2	134,067	1/2	148,234
3/4	13,543	3/4	28,656	3/4	43,762	3/4	58,867	3/4	73,980	3/4	89,093	3/4	104,203	3/4	119,308	3/4	134,379	3/4	148,403
11	13,858	11	28,971	11	44,076	11	59,182	11	74,295	11	89,408	11	104,518	11	119,622	11	134,692	11	148,573
1/4	14,173	1/4	29,286	1/4	44,391	1/4	59,497	1/4	74,610	1/4	89,723	1/4	104,833	1/4	119,936	1/4	135,005	1/4	148,742
1/2	14,487	1/2	29,600	1/2	44,705	1/2	59,811	1/2	74,925	1/2	90,038	1/2	105,148	1/2	120,250	1/2	135,318	1/2	148,911
3/4	14,802	3/4	29,915	3/4	45,020	3/4	60,126	3/4	75,240	3/4	90,352	3/4	105,462	3/4	120,565	3/4	135,630	3/4	149,081

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 378"

3 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	149,250	0	157,377	0	165,505	0	173,632	0	181,726	0		0		0		0		0	
1/4	149,419	1/4	157,547	1/4	165,674	1/4	173,801	1/4	181,893	1/4		1/4		1/4		1/4		1/4	
1/2	149,589	1/2	157,716	1/2	165,843	1/2	173,971	1/2	182,060	1/2		1/2		1/2		1/2		1/2	
3/4	149,758	3/4	157,885	3/4	166,013	3/4	174,140	3/4	182,227	3/4		3/4		3/4		3/4		3/4	
1	149,927	1	158,055	1	166,182	1	174,309	1	182,394	1		1		1		1		1	
1/4	150,097	1/4	158,224	1/4	166,351	1/4	174,478	1/4	182,561	1/4		1/4		1/4		1/4		1/4	
1/2	150,266	1/2	158,393	1/2	166,521	1/2	174,647	1/2	182,729	1/2		1/2		1/2		1/2		1/2	
3/4	150,435	3/4	158,563	3/4	166,690	3/4	174,815	3/4	182,896	3/4		3/4		3/4		3/4		3/4	
2	150,605	2	158,732	2	166,859	2	174,984	2	183,063	2		2		2		2		2	
1/4	150,774	1/4	158,901	1/4	167,029	1/4	175,153	1/4	183,230	1/4		1/4		1/4		1/4		1/4	
1/2	150,943	1/2	159,070	1/2	167,198	1/2	175,321	1/2	183,397	1/2		1/2		1/2		1/2		1/2	
3/4	151,112	3/4	159,240	3/4	167,367	3/4	175,490	3/4	183,564	3/4		3/4		3/4		3/4		3/4	
3	151,282	3	159,409	3	167,536	3	175,659	3	183,731	3		3		3		3		3	
1/4	151,451	1/4	159,578	1/4	167,706	1/4	175,828	1/4	183,898	1/4		1/4		1/4		1/4		1/4	
1/2	151,620	1/2	159,748	1/2	167,875	1/2	175,996	1/2	184,064	1/2		1/2		1/2		1/2		1/2	
3/4	151,790	3/4	159,917	3/4	168,044	3/4	176,165	3/4	184,231	3/4		3/4		3/4		3/4		3/4	
4	151,959	4	160,086	4	168,214	4	176,334	4	184,397	4		4		4		4		4	
1/4	152,128	1/4	160,256	1/4	168,383	1/4	176,502	1/4	184,563	1/4		1/4		1/4		1/4		1/4	
1/2	152,298	1/2	160,425	1/2	168,552	1/2	176,671	1/2	184,729	1/2		1/2		1/2		1/2		1/2	
3/4	152,467	3/4	160,594	3/4	168,722	3/4	176,840	3/4	184,894	3/4		3/4		3/4		3/4		3/4	
5	152,636	5	160,764	5	168,891	5	177,009	5	185,060	5		5		5		5		5	
1/4	152,806	1/4	160,933	1/4	169,060	1/4	177,177	1/4	185,201	1/4		1/4		1/4		1/4		1/4	
1/2	152,975	1/2	161,102	1/2	169,230	1/2	177,346	1/2	185,342	1/2		1/2		1/2		1/2		1/2	
3/4	153,144	3/4	161,272	3/4	169,399	3/4	177,515	3/4	185,482	3/4		3/4		3/4		3/4		3/4	
6	153,314	6	161,441	6	169,568	6	177,683	6	185,623	6		6		6		6		6	
1/4	153,483	1/4	161,610	1/4	169,738	1/4	177,852	1/4	185,712	1/4		1/4		1/4		1/4		1/4	
1/2	153,652	1/2	161,780	1/2	169,907	1/2	178,021	1/2	185,800	1/2		1/2		1/2		1/2		1/2	
3/4	153,822	3/4	161,949	3/4	170,076	3/4	178,190	3/4	185,888	3/4		3/4		3/4		3/4		3/4	
7	153,991	7	162,118	7	170,246	7	178,358	7	185,977	7		7		7		7		7	
1/4	154,160	1/4	162,288	1/4	170,415	1/4	178,527	1/4	186,013	1/4		1/4		1/4		1/4		1/4	
1/2	154,330	1/2	162,457	1/2	170,584	1/2	178,696	1/2	186,050	1/2		1/2		1/2		1/2		1/2	
3/4	154,499	3/4	162,626	3/4	170,754	3/4	178,864	3/4	186,086	3/4		3/4		3/4		3/4		3/4	
8	154,668	8	162,796	8	170,923	8	179,033	8	186,123	8		8		8		8		8	
1/4	154,837	1/4	162,965	1/4	171,092	1/4	179,202	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,007	1/2	163,134	1/2	171,261	1/2	179,371	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,176	3/4	163,303	3/4	171,431	3/4	179,539	3/4		3/4		3/4		3/4		3/4		3/4	
9	155,345	9	163,473	9	171,600	9	179,708	9		9		9		9		9		9	
1/4	155,515	1/4	163,642	1/4	171,769	1/4	179,877	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,684	1/2	163,811	1/2	171,939	1/2	180,045	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,853	3/4	163,981	3/4	172,108	3/4	180,214	3/4		3/4		3/4		3/4		3/4		3/4	
10	156,023	10	164,150	10	172,277	10	180,383	10		10		10		10		10		10	
1/4	156,192	1/4	164,319	1/4	172,447	1/4	180,551	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,361	1/2	164,489	1/2	172,616	1/2	180,720	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,531	3/4	164,658	3/4	172,785	3/4	180,889	3/4		3/4		3/4		3/4		3/4		3/4	
11	156,700	11	164,827	11	172,955	11	181,058	11		11		11		11		11		11	
1/4	156,869	1/4	164,997	1/4	173,124	1/4	181,225	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,039	1/2	165,166	1/2	173,293	1/2	181,392	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,208	3/4	165,335	3/4	173,463	3/4	181,559	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/18/2013 CL
CALCULATED: 02/19/2013 CL
PRINTED: 02/19/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 378"

3 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	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.

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BARGE "CBC 378"

3 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	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: 02/18/2013 CL
CALCULATED: 02/19/2013 CL
PRINTED: 02/19/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

PRECISION MEASUREMENT
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BARGE "CBC 378"

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	- 00-3/8	00-3/8	- 00-1/2	00-1/2
2 STBD	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2
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"

February 18, 2013

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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 Pearland, Texas 77588

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BARGE "CBC 378"

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 378"

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: 02/18/2013 CL
CALCULATED: 02/19/2013 CL
PRINTED: 02/19/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

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



BARGE "CBC 378"

1 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	208,508	0	193,328	0	178,111	0	162,893	0	147,676	0	132,459	0	117,242	0	102,022
1/4		1/4		1/4	208,192	1/4	193,011	1/4	177,793	1/4	162,576	1/4	147,359	1/4	132,142	1/4	116,925	1/4	101,704
1/2		1/2		1/2	221,976	1/2	207,877	1/2	192,694	1/2	177,476	1/2	162,259	1/2	147,042	1/2	131,825	1/2	116,608
3/4		3/4		3/4	221,794	3/4	207,561	3/4	192,377	3/4	177,159	3/4	161,942	3/4	146,725	3/4	131,508	3/4	116,291
1		1		1	221,612	1	207,245	1	192,060	1	176,842	1	161,625	1	146,408	1	131,191	1	115,974
1/4		1/4		1/4	221,430	1/4	206,929	1/4	191,743	1/4	176,525	1/4	161,308	1/4	146,091	1/4	130,874	1/4	115,657
1/2		1/2		1/2	221,248	1/2	206,613	1/2	191,426	1/2	176,208	1/2	160,991	1/2	145,774	1/2	130,557	1/2	115,340
3/4		3/4		3/4	221,015	3/4	206,298	3/4	191,109	3/4	175,891	3/4	160,674	3/4	145,457	3/4	130,240	3/4	115,023
2		2		2	220,781	2	205,982	2	190,791	2	175,574	2	160,357	2	145,140	2	129,923	2	114,706
1/4		1/4		1/4	220,548	1/4	205,666	1/4	190,474	1/4	175,257	1/4	160,040	1/4	144,823	1/4	129,606	1/4	114,389
1/2		1/2		1/2	220,314	1/2	205,350	1/2	190,157	1/2	174,940	1/2	159,723	1/2	144,506	1/2	129,289	1/2	114,072
3/4		3/4		3/4	220,028	3/4	205,034	3/4	189,840	3/4	174,623	3/4	159,406	3/4	144,189	3/4	128,972	3/4	113,755
3		3		3	219,741	3	204,719	3	189,523	3	174,306	3	159,089	3	143,872	3	128,655	3	113,437
1/4		1/4		1/4	219,455	1/4	204,403	1/4	189,206	1/4	173,989	1/4	158,772	1/4	143,555	1/4	128,338	1/4	113,120
1/2		1/2		1/2	219,168	1/2	204,087	1/2	188,889	1/2	173,672	1/2	158,455	1/2	143,238	1/2	128,021	1/2	112,803
3/4		3/4		3/4	218,857	3/4	203,771	3/4	188,572	3/4	173,355	3/4	158,138	3/4	142,921	3/4	127,704	3/4	112,486
4		4		4	218,546	4	203,455	4	188,255	4	173,038	4	157,821	4	142,604	4	127,387	4	112,169
1/4		1/4		1/4	218,234	1/4	203,140	1/4	187,938	1/4	172,721	1/4	157,504	1/4	142,287	1/4	127,070	1/4	111,852
1/2		1/2		1/2	217,923	1/2	202,824	1/2	187,621	1/2	172,404	1/2	157,187	1/2	141,970	1/2	126,753	1/2	111,535
3/4		3/4		3/4	217,610	3/4	202,508	3/4	187,304	3/4	172,087	3/4	156,870	3/4	141,653	3/4	126,435	3/4	111,218
5		5		5	217,298	5	202,192	5	186,987	5	171,770	5	156,553	5	141,336	5	126,118	5	110,901
1/4		1/4		1/4	216,986	1/4	201,876	1/4	186,670	1/4	171,453	1/4	156,236	1/4	141,019	1/4	125,801	1/4	110,584
1/2		1/2		1/2	216,673	1/2	201,561	1/2	186,353	1/2	171,136	1/2	155,919	1/2	140,702	1/2	125,484	1/2	110,267
3/4		3/4		3/4	216,360	3/4	201,245	3/4	186,036	3/4	170,819	3/4	155,602	3/4	140,385	3/4	125,167	3/4	109,950
6		6		6	216,047	6	200,929	6	185,719	6	170,502	6	155,285	6	140,068	6	124,850	6	109,633
1/4		1/4		1/4	215,735	1/4	200,613	1/4	185,402	1/4	170,185	1/4	154,968	1/4	139,751	1/4	124,533	1/4	109,316
1/2		1/2		1/2	215,422	1/2	200,297	1/2	185,085	1/2	169,868	1/2	154,651	1/2	139,434	1/2	124,216	1/2	108,999
3/4		3/4		3/4	215,109	3/4	199,982	3/4	184,768	3/4	169,551	3/4	154,334	3/4	139,116	3/4	123,899	3/4	108,682
7		7		7	214,796	7	199,666	7	184,451	7	169,234	7	154,017	7	138,799	7	123,582	7	108,364
1/4		1/4		1/4	214,483	1/4	199,350	1/4	184,134	1/4	168,917	1/4	153,700	1/4	138,482	1/4	123,265	1/4	108,047
1/2		1/2		1/2	214,170	1/2	199,034	1/2	183,817	1/2	168,600	1/2	153,383	1/2	138,165	1/2	122,948	1/2	107,730
3/4		3/4		3/4	213,857	3/4	198,717	3/4	183,500	3/4	168,283	3/4	153,066	3/4	137,848	3/4	122,631	3/4	107,413
8		8		8	213,544	8	198,400	8	183,183	8	167,966	8	152,749	8	137,531	8	122,314	8	107,096
1/4		1/4		1/4	213,231	1/4	198,083	1/4	182,866	1/4	167,649	1/4	152,432	1/4	137,214	1/4	121,997	1/4	106,779
1/2		1/2		1/2	212,919	1/2	197,766	1/2	182,549	1/2	167,332	1/2	152,114	1/2	136,897	1/2	121,680	1/2	106,462
3/4		3/4		3/4	212,606	3/4	197,449	3/4	182,232	3/4	167,015	3/4	151,797	3/4	136,580	3/4	121,363	3/4	106,144
9		9		9	212,293	9	197,132	9	181,915	9	166,698	9	151,480	9	136,263	9	121,046	9	105,827
1/4		1/4		1/4	211,980	1/4	196,815	1/4	181,598	1/4	166,381	1/4	151,163	1/4	135,946	1/4	120,729	1/4	105,510
1/2		1/2		1/2	211,667	1/2	196,498	1/2	181,281	1/2	166,064	1/2	150,846	1/2	135,629	1/2	120,412	1/2	105,193
3/4		3/4		3/4	211,351	3/4	196,181	3/4	180,964	3/4	165,747	3/4	150,529	3/4	135,312	3/4	120,095	3/4	104,876
10		10		10	211,035	10	195,864	10	180,647	10	165,430	10	150,212	10	134,995	10	119,778	10	104,559
1/4		1/4		1/4	210,719	1/4	195,547	1/4	180,330	1/4	165,112	1/4	149,895	1/4	134,678	1/4	119,461	1/4	104,242
1/2		1/2		1/2	210,403	1/2	195,230	1/2	180,013	1/2	164,795	1/2	149,578	1/2	134,361	1/2	119,144	1/2	103,924
3/4		3/4		3/4	210,087	3/4	194,913	3/4	179,696	3/4	164,478	3/4	149,261	3/4	134,044	3/4	118,827	3/4	103,607
11		11		11	209,772	11	194,596	11	179,379	11	164,161	11	148,944	11	133,727	11	118,510	11	103,290
1/4		1/4		1/4	209,456	1/4	194,279	1/4	179,062	1/4	163,844	1/4	148,627	1/4	133,410	1/4	118,193	1/4	102,973
1/2		1/2		1/2	209,140	1/2	193,962	1/2	178,745	1/2	163,527	1/2	148,310	1/2	133,093	1/2	117,876	1/2	102,656
3/4		3/4		3/4	208,824	3/4	193,645	3/4	178,428	3/4	163,210	3/4	147,993	3/4	132,776	3/4	117,559	3/4	102,339

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 378"

1 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	86,799	0	71,576	0	56,353	0	41,211	0	26,008	0	10,786	0		0		0		0	
1/4	86,482	1/4	71,259	1/4	56,036	1/4	40,896	1/4	25,691	1/4	10,469	1/4		1/4		1/4		1/4	
1/2	86,164	1/2	70,942	1/2	55,719	1/2	40,581	1/2	25,374	1/2	10,152	1/2		1/2		1/2		1/2	
3/4	85,847	3/4	70,625	3/4	55,402	3/4	40,266	3/4	25,057	3/4	9,835	3/4		3/4		3/4		3/4	
1	85,530	1	70,307	1	55,085	1	39,951	1	24,740	1	9,518	1		1		1		1	
1/4	85,213	1/4	69,990	1/4	54,767	1/4	39,636	1/4	24,423	1/4	9,201	1/4		1/4		1/4		1/4	
1/2	84,896	1/2	69,673	1/2	54,450	1/2	39,321	1/2	24,106	1/2	8,884	1/2		1/2		1/2		1/2	
3/4	84,579	3/4	69,356	3/4	54,133	3/4	39,006	3/4	23,789	3/4	8,566	3/4		3/4		3/4		3/4	
2	84,262	2	69,039	2	53,816	2	38,690	2	23,471	2	8,249	2		2		2		2	
1/4	83,945	1/4	68,722	1/4	53,499	1/4	38,375	1/4	23,154	1/4	7,932	1/4		1/4		1/4		1/4	
1/2	83,627	1/2	68,405	1/2	53,182	1/2	38,059	1/2	22,837	1/2	7,615	1/2		1/2		1/2		1/2	
3/4	83,310	3/4	68,087	3/4	52,866	3/4	37,742	3/4	22,520	3/4	7,298	3/4		3/4		3/4		3/4	
3	82,993	3	67,770	3	52,551	3	37,425	3	22,203	3	6,981	3		3		3		3	
1/4	82,676	1/4	67,453	1/4	52,235	1/4	37,108	1/4	21,886	1/4	6,664	1/4		1/4		1/4		1/4	
1/2	82,359	1/2	67,136	1/2	51,920	1/2	36,791	1/2	21,569	1/2	6,347	1/2		1/2		1/2		1/2	
3/4	82,042	3/4	66,819	3/4	51,605	3/4	36,474	3/4	21,252	3/4	6,030	3/4		3/4		3/4		3/4	
4	81,725	4	66,502	4	51,290	4	36,157	4	20,934	4	5,713	4		4		4		4	
1/4	81,407	1/4	66,185	1/4	50,975	1/4	35,839	1/4	20,617	1/4	5,397	1/4		1/4		1/4		1/4	
1/2	81,090	1/2	65,867	1/2	50,660	1/2	35,522	1/2	20,300	1/2	5,080	1/2		1/2		1/2		1/2	
3/4	80,773	3/4	65,550	3/4	50,345	3/4	35,205	3/4	19,983	3/4	4,764	3/4		3/4		3/4		3/4	
5	80,456	5	65,233	5	50,030	5	34,888	5	19,666	5	4,449	5		5		5		5	
1/4	80,139	1/4	64,916	1/4	49,715	1/4	34,571	1/4	19,349	1/4	4,133	1/4		1/4		1/4		1/4	
1/2	79,822	1/2	64,599	1/2	49,400	1/2	34,254	1/2	19,032	1/2	3,817	1/2		1/2		1/2		1/2	
3/4	79,505	3/4	64,282	3/4	49,085	3/4	33,937	3/4	18,715	3/4	3,527	3/4		3/4		3/4		3/4	
6	79,187	6	63,965	6	48,770	6	33,620	6	18,397	6	3,236	6		6		6		6	
1/4	78,870	1/4	63,647	1/4	48,455	1/4	33,302	1/4	18,080	1/4	2,946	1/4		1/4		1/4		1/4	
1/2	78,553	1/2	63,330	1/2	48,140	1/2	32,985	1/2	17,763	1/2	2,655	1/2		1/2		1/2		1/2	
3/4	78,236	3/4	63,013	3/4	47,825	3/4	32,668	3/4	17,446	3/4	2,417	3/4		3/4		3/4		3/4	
7	77,919	7	62,696	7	47,510	7	32,351	7	17,129	7	2,179	7		7		7		7	
1/4	77,602	1/4	62,379	1/4	47,195	1/4	32,034	1/4	16,812	1/4	1,942	1/4		1/4		1/4		1/4	
1/2	77,285	1/2	62,062	1/2	46,880	1/2	31,717	1/2	16,495	1/2	1,704	1/2		1/2		1/2		1/2	
3/4	76,967	3/4	61,745	3/4	46,565	3/4	31,400	3/4	16,177	3/4	1,519	3/4		3/4		3/4		3/4	
8	76,650	8	61,427	8	46,250	8	31,083	8	15,860	8	1,334	8		8		8		8	
1/4	76,333	1/4	61,110	1/4	45,936	1/4	30,765	1/4	15,543	1/4	1,149	1/4		1/4		1/4		1/4	
1/2	76,016	1/2	60,793	1/2	45,621	1/2	30,448	1/2	15,226	1/2	964	1/2		1/2		1/2		1/2	
3/4	75,699	3/4	60,476	3/4	45,306	3/4	30,131	3/4	14,909	3/4		3/4		3/4		3/4		3/4	
9	75,382	9	60,159	9	44,991	9	29,814	9	14,592	9		9		9		9		9	
1/4	75,065	1/4	59,842	1/4	44,676	1/4	29,497	1/4	14,275	1/4		1/4		1/4		1/4		1/4	
1/2	74,747	1/2	59,525	1/2	44,361	1/2	29,180	1/2	13,958	1/2		1/2		1/2		1/2		1/2	
3/4	74,430	3/4	59,207	3/4	44,046	3/4	28,863	3/4	13,640	3/4		3/4		3/4		3/4		3/4	
10	74,113	10	58,890	10	43,731	10	28,545	10	13,323	10		10		10		10		10	
1/4	73,796	1/4	58,573	1/4	43,416	1/4	28,228	1/4	13,006	1/4		1/4		1/4		1/4		1/4	
1/2	73,479	1/2	58,256	1/2	43,101	1/2	27,911	1/2	12,689	1/2		1/2		1/2		1/2		1/2	
3/4	73,162	3/4	57,939	3/4	42,786	3/4	27,594	3/4	12,372	3/4		3/4		3/4		3/4		3/4	
11	72,845	11	57,622	11	42,471	11	27,277	11	12,055	11		11		11		11		11	
1/4	72,527	1/4	57,305	1/4	42,156	1/4	26,960	1/4	11,738	1/4		1/4		1/4		1/4		1/4	
1/2	72,210	1/2	56,987	1/2	41,841	1/2	26,643	1/2	11,421	1/2		1/2		1/2		1/2		1/2	
3/4	71,893	3/4	56,670	3/4	41,526	3/4	26,326	3/4	11,103	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/18/2013 CL
CALCULATED: 02/19/2013 CL
PRINTED: 02/19/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "CBC 378"

2 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	208,037	0	192,897	0	177,720	0	162,543	0	147,366	0	132,189	0	117,012	0	101,832
1/4		1/4		1/4	207,722	1/4	192,581	1/4	177,403	1/4	162,226	1/4	147,049	1/4	131,872	1/4	116,695	1/4	101,515
1/2		1/2	221,469	1/2	207,407	1/2	192,264	1/2	177,087	1/2	161,910	1/2	146,733	1/2	131,556	1/2	116,379	1/2	101,199
3/4		3/4	221,288	3/4	207,092	3/4	191,948	3/4	176,771	3/4	161,594	3/4	146,417	3/4	131,240	3/4	116,063	3/4	100,883
1		1	221,106	1	206,777	1	191,632	1	176,455	1	161,278	1	146,101	1	130,924	1	115,747	1	100,566
1/4		1/4	220,925	1/4	206,462	1/4	191,316	1/4	176,139	1/4	160,962	1/4	145,785	1/4	130,608	1/4	115,431	1/4	100,250
1/2		1/2	220,743	1/2	206,147	1/2	191,000	1/2	175,823	1/2	160,646	1/2	145,469	1/2	130,292	1/2	115,114	1/2	99,934
3/4		3/4	220,510	3/4	205,832	3/4	190,683	3/4	175,506	3/4	160,329	3/4	145,152	3/4	129,975	3/4	114,798	3/4	99,617
2		2	220,277	2	205,517	2	190,367	2	175,190	2	160,013	2	144,836	2	129,659	2	114,482	2	99,301
1/4		1/4	220,044	1/4	205,202	1/4	190,051	1/4	174,874	1/4	159,697	1/4	144,520	1/4	129,343	1/4	114,166	1/4	98,985
1/2		1/2	219,811	1/2	204,887	1/2	189,735	1/2	174,558	1/2	159,381	1/2	144,204	1/2	129,027	1/2	113,850	1/2	98,669
3/4		3/4	219,526	3/4	204,572	3/4	189,419	3/4	174,242	3/4	159,065	3/4	143,888	3/4	128,711	3/4	113,534	3/4	98,352
3		3	219,240	3	204,257	3	189,102	3	173,925	3	158,748	3	143,571	3	128,394	3	113,217	3	98,036
1/4		1/4	218,955	1/4	203,942	1/4	188,786	1/4	173,609	1/4	158,432	1/4	143,255	1/4	128,078	1/4	112,901	1/4	97,720
1/2		1/2	218,669	1/2	203,628	1/2	188,470	1/2	173,293	1/2	158,116	1/2	142,939	1/2	127,762	1/2	112,585	1/2	97,403
3/4		3/4	218,358	3/4	203,313	3/4	188,154	3/4	172,977	3/4	157,800	3/4	142,623	3/4	127,446	3/4	112,269	3/4	97,087
4		4	218,048	4	202,998	4	187,838	4	172,661	4	157,484	4	142,307	4	127,130	4	111,953	4	96,771
1/4		1/4	217,737	1/4	202,683	1/4	187,522	1/4	172,344	1/4	157,167	1/4	141,990	1/4	126,813	1/4	111,636	1/4	96,454
1/2		1/2	217,427	1/2	202,368	1/2	187,205	1/2	172,028	1/2	156,851	1/2	141,674	1/2	126,497	1/2	111,320	1/2	96,138
3/4		3/4	217,115	3/4	202,053	3/4	186,889	3/4	171,712	3/4	156,535	3/4	141,358	3/4	126,181	3/4	111,004	3/4	95,822
5		5	216,803	5	201,738	5	186,573	5	171,396	5	156,219	5	141,042	5	125,865	5	110,688	5	95,505
1/4		1/4	216,492	1/4	201,423	1/4	186,257	1/4	171,080	1/4	155,903	1/4	140,726	1/4	125,549	1/4	110,372	1/4	95,189
1/2		1/2	216,180	1/2	201,108	1/2	185,941	1/2	170,764	1/2	155,587	1/2	140,410	1/2	125,233	1/2	110,055	1/2	94,873
3/4		3/4	215,868	3/4	200,793	3/4	185,624	3/4	170,447	3/4	155,270	3/4	140,093	3/4	124,916	3/4	109,739	3/4	94,557
6		6	215,556	6	200,478	6	185,308	6	170,131	6	154,954	6	139,777	6	124,600	6	109,423	6	94,240
1/4		1/4	215,244	1/4	200,163	1/4	184,992	1/4	169,815	1/4	154,638	1/4	139,461	1/4	124,284	1/4	109,107	1/4	93,924
1/2		1/2	214,932	1/2	199,848	1/2	184,676	1/2	169,499	1/2	154,322	1/2	139,145	1/2	123,968	1/2	108,790	1/2	93,608
3/4		3/4	214,620	3/4	199,533	3/4	184,360	3/4	169,183	3/4	154,006	3/4	138,829	3/4	123,652	3/4	108,474	3/4	93,291
7		7	214,308	7	199,218	7	184,043	7	168,866	7	153,689	7	138,512	7	123,335	7	108,158	7	92,975
1/4		1/4	213,996	1/4	198,903	1/4	183,727	1/4	168,550	1/4	153,373	1/4	138,196	1/4	123,019	1/4	107,841	1/4	92,659
1/2		1/2	213,684	1/2	198,588	1/2	183,411	1/2	168,234	1/2	153,057	1/2	137,880	1/2	122,703	1/2	107,525	1/2	92,342
3/4		3/4	213,372	3/4	198,272	3/4	183,095	3/4	167,918	3/4	152,741	3/4	137,564	3/4	122,387	3/4	107,209	3/4	92,026
8		8	213,060	8	197,956	8	182,779	8	167,602	8	152,425	8	137,248	8	122,071	8	106,892	8	91,710
1/4		1/4	212,748	1/4	197,640	1/4	182,462	1/4	167,285	1/4	152,108	1/4	136,931	1/4	121,754	1/4	106,576	1/4	91,394
1/2		1/2	212,436	1/2	197,323	1/2	182,146	1/2	166,969	1/2	151,792	1/2	136,615	1/2	121,438	1/2	106,260	1/2	91,077
3/4		3/4	212,124	3/4	197,007	3/4	181,830	3/4	166,653	3/4	151,476	3/4	136,299	3/4	121,122	3/4	105,944	3/4	90,761
9		9	211,812	9	196,691	9	181,514	9	166,337	9	151,160	9	135,983	9	120,806	9	105,627	9	90,445
1/4		1/4	211,500	1/4	196,375	1/4	181,198	1/4	166,021	1/4	150,844	1/4	135,667	1/4	120,490	1/4	105,311	1/4	90,128
1/2		1/2	211,187	1/2	196,059	1/2	180,882	1/2	165,705	1/2	150,528	1/2	135,351	1/2	120,174	1/2	104,995	1/2	89,812
3/4		3/4	210,872	3/4	195,742	3/4	180,565	3/4	165,388	3/4	150,211	3/4	135,034	3/4	119,857	3/4	104,678	3/4	89,496
10		10	210,557	10	195,426	10	180,249	10	165,072	10	149,895	10	134,718	10	119,541	10	104,362	10	89,179
1/4		1/4	210,242	1/4	195,110	1/4	179,933	1/4	164,756	1/4	149,579	1/4	134,402	1/4	119,225	1/4	104,046	1/4	88,863
1/2		1/2	209,927	1/2	194,794	1/2	179,617	1/2	164,440	1/2	149,263	1/2	134,086	1/2	118,909	1/2	103,729	1/2	88,547
3/4		3/4	209,612	3/4	194,478	3/4	179,301	3/4	164,124	3/4	148,947	3/4	133,770	3/4	118,593	3/4	103,413	3/4	88,230
11		11	209,297	11	194,161	11	178,984	11	163,807	11	148,630	11	133,453	11	118,276	11	103,097	11	87,914
1/4		1/4	208,982	1/4	193,845	1/4	178,668	1/4	163,491	1/4	148,314	1/4	133,137	1/4	117,960	1/4	102,780	1/4	87,598
1/2		1/2	208,667	1/2	193,529	1/2	178,352	1/2	163,175	1/2	147,998	1/2	132,821	1/2	117,644	1/2	102,464	1/2	87,282
3/4		3/4	208,352	3/4	193,213	3/4	178,036	3/4	162,859	3/4	147,682	3/4	132,505	3/4	117,328	3/4	102,148	3/4	86,965

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 41'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 378"

2 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	86,649	0	71,466	0	56,284	0	41,119	0	25,940	0	10,758	0		0		0		0	
1/4	86,333	1/4	71,150	1/4	55,967	1/4	40,803	1/4	25,623	1/4	10,441	1/4		1/4		1/4		1/4	
1/2	86,016	1/2	70,834	1/2	55,651	1/2	40,487	1/2	25,307	1/2	10,125	1/2		1/2		1/2		1/2	
3/4	85,700	3/4	70,517	3/4	55,335	3/4	40,171	3/4	24,991	3/4	9,809	3/4		3/4		3/4		3/4	
1	85,384	1	70,201	1	55,019	1	39,856	1	24,675	1	9,493	1		1		1		1	
1/4	85,067	1/4	69,885	1/4	54,702	1/4	39,540	1/4	24,358	1/4	9,176	1/4		1/4		1/4		1/4	
1/2	84,751	1/2	69,569	1/2	54,386	1/2	39,224	1/2	24,042	1/2	8,860	1/2		1/2		1/2		1/2	
3/4	84,435	3/4	69,252	3/4	54,070	3/4	38,908	3/4	23,726	3/4	8,544	3/4		3/4		3/4		3/4	
2	84,119	2	68,936	2	53,753	2	38,591	2	23,409	2	8,227	2		2		2		2	
1/4	83,802	1/4	68,620	1/4	53,437	1/4	38,275	1/4	23,093	1/4	7,911	1/4		1/4		1/4		1/4	
1/2	83,486	1/2	68,303	1/2	53,121	1/2	37,959	1/2	22,777	1/2	7,595	1/2		1/2		1/2		1/2	
3/4	83,170	3/4	67,987	3/4	52,804	3/4	37,642	3/4	22,460	3/4	7,279	3/4		3/4		3/4		3/4	
3	82,853	3	67,671	3	52,488	3	37,326	3	22,144	3	6,962	3		3		3		3	
1/4	82,537	1/4	67,354	1/4	52,172	1/4	37,010	1/4	21,828	1/4	6,646	1/4		1/4		1/4		1/4	
1/2	82,221	1/2	67,038	1/2	51,855	1/2	36,694	1/2	21,512	1/2	6,330	1/2		1/2		1/2		1/2	
3/4	81,904	3/4	66,722	3/4	51,540	3/4	36,377	3/4	21,195	3/4	6,014	3/4		3/4		3/4		3/4	
4	81,588	4	66,405	4	51,224	4	36,061	4	20,879	4	5,698	4		4		4		4	
1/4	81,272	1/4	66,089	1/4	50,908	1/4	35,745	1/4	20,563	1/4	5,382	1/4		1/4		1/4		1/4	
1/2	80,955	1/2	65,773	1/2	50,592	1/2	35,428	1/2	20,246	1/2	5,066	1/2		1/2		1/2		1/2	
3/4	80,639	3/4	65,457	3/4	50,277	3/4	35,112	3/4	19,930	3/4	4,752	3/4		3/4		3/4		3/4	
5	80,323	5	65,140	5	49,961	5	34,796	5	19,614	5	4,437	5		5		5		5	
1/4	80,007	1/4	64,824	1/4	49,645	1/4	34,480	1/4	19,298	1/4	4,122	1/4		1/4		1/4		1/4	
1/2	79,690	1/2	64,508	1/2	49,329	1/2	34,163	1/2	18,981	1/2	3,807	1/2		1/2		1/2		1/2	
3/4	79,374	3/4	64,191	3/4	49,013	3/4	33,847	3/4	18,665	3/4	3,517	3/4		3/4		3/4		3/4	
6	79,058	6	63,875	6	48,698	6	33,531	6	18,349	6	3,228	6		6		6		6	
1/4	78,741	1/4	63,559	1/4	48,382	1/4	33,214	1/4	18,032	1/4	2,938	1/4		1/4		1/4		1/4	
1/2	78,425	1/2	63,242	1/2	48,066	1/2	32,898	1/2	17,716	1/2	2,648	1/2		1/2		1/2		1/2	
3/4	78,109	3/4	62,926	3/4	47,750	3/4	32,582	3/4	17,400	3/4	2,411	3/4		3/4		3/4		3/4	
7	77,792	7	62,610	7	47,434	7	32,266	7	17,084	7	2,173	7		7		7		7	
1/4	77,476	1/4	62,294	1/4	47,119	1/4	31,949	1/4	16,767	1/4	1,936	1/4		1/4		1/4		1/4	
1/2	77,160	1/2	61,977	1/2	46,803	1/2	31,633	1/2	16,451	1/2	1,699	1/2		1/2		1/2		1/2	
3/4	76,844	3/4	61,661	3/4	46,487	3/4	31,317	3/4	16,135	3/4	1,515	3/4		3/4		3/4		3/4	
8	76,527	8	61,345	8	46,171	8	31,000	8	15,818	8	1,330	8		8		8		8	
1/4	76,211	1/4	61,028	1/4	45,855	1/4	30,684	1/4	15,502	1/4	1,146	1/4		1/4		1/4		1/4	
1/2	75,895	1/2	60,712	1/2	45,540	1/2	30,368	1/2	15,186	1/2	961	1/2		1/2		1/2		1/2	
3/4	75,578	3/4	60,396	3/4	45,224	3/4	30,051	3/4	14,869	3/4		3/4		3/4		3/4		3/4	
9	75,262	9	60,079	9	44,908	9	29,735	9	14,553	9		9		9		9		9	
1/4	74,946	1/4	59,763	1/4	44,592	1/4	29,419	1/4	14,237	1/4		1/4		1/4		1/4		1/4	
1/2	74,629	1/2	59,447	1/2	44,277	1/2	29,103	1/2	13,921	1/2		1/2		1/2		1/2		1/2	
3/4	74,313	3/4	59,130	3/4	43,961	3/4	28,786	3/4	13,604	3/4		3/4		3/4		3/4		3/4	
10	73,997	10	58,814	10	43,645	10	28,470	10	13,288	10		10		10		10		10	
1/4	73,680	1/4	58,498	1/4	43,329	1/4	28,154	1/4	12,972	1/4		1/4		1/4		1/4		1/4	
1/2	73,364	1/2	58,182	1/2	43,013	1/2	27,837	1/2	12,655	1/2		1/2		1/2		1/2		1/2	
3/4	73,048	3/4	57,865	3/4	42,698	3/4	27,521	3/4	12,339	3/4		3/4		3/4		3/4		3/4	
11	72,732	11	57,549	11	42,382	11	27,205	11	12,023	11		11		11		11		11	
1/4	72,415	1/4	57,233	1/4	42,066	1/4	26,889	1/4	11,707	1/4		1/4		1/4		1/4		1/4	
1/2	72,099	1/2	56,916	1/2	41,750	1/2	26,572	1/2	11,390	1/2		1/2		1/2		1/2		1/2	
3/4	71,783	3/4	56,600	3/4	41,434	3/4	26,256	3/4	11,074	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/18/2013 CL
CALCULATED: 02/19/2013 CL
PRINTED: 02/19/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

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



BARGE "CBC 378"

2 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	207,005	0	191,867	0	176,694	0	161,521	0	146,347	0	131,174	0	116,000	0	100,824
1/4		1/4	220,749	1/4	206,690	1/4	191,551	1/4	176,378	1/4	161,204	1/4	146,031	1/4	130,858	1/4	115,684	1/4	100,508
1/2		1/2	220,568	1/2	206,375	1/2	191,235	1/2	176,062	1/2	160,888	1/2	145,715	1/2	130,542	1/2	115,368	1/2	100,191
3/4		3/4	220,386	3/4	206,061	3/4	190,919	3/4	175,746	3/4	160,572	3/4	145,399	3/4	130,225	3/4	115,052	3/4	99,875
1		1	220,205	1	205,746	1	190,603	1	175,429	1	160,256	1	145,083	1	129,909	1	114,736	1	99,559
1/4		1/4	220,023	1/4	205,431	1/4	190,287	1/4	175,113	1/4	159,940	1/4	144,767	1/4	129,593	1/4	114,420	1/4	99,243
1/2		1/2	219,790	1/2	205,116	1/2	189,971	1/2	174,797	1/2	159,624	1/2	144,451	1/2	129,277	1/2	114,104	1/2	98,927
3/4		3/4	219,558	3/4	204,801	3/4	189,655	3/4	174,481	3/4	159,308	3/4	144,134	3/4	128,961	3/4	113,788	3/4	98,610
2		2	219,325	2	204,486	2	189,338	2	174,165	2	158,992	2	143,818	2	128,645	2	113,472	2	98,294
1/4		1/4	219,092	1/4	204,171	1/4	189,022	1/4	173,849	1/4	158,676	1/4	143,502	1/4	128,329	1/4	113,155	1/4	97,978
1/2		1/2	218,806	1/2	203,856	1/2	188,706	1/2	173,533	1/2	158,359	1/2	143,186	1/2	128,013	1/2	112,839	1/2	97,662
3/4		3/4	218,521	3/4	203,541	3/4	188,390	3/4	173,217	3/4	158,043	3/4	142,870	3/4	127,697	3/4	112,523	3/4	97,345
3		3	218,235	3	203,227	3	188,074	3	172,901	3	157,727	3	142,554	3	127,380	3	112,207	3	97,029
1/4		1/4	217,950	1/4	202,912	1/4	187,758	1/4	172,584	1/4	157,411	1/4	142,238	1/4	127,064	1/4	111,891	1/4	96,713
1/2		1/2	217,639	1/2	202,597	1/2	187,442	1/2	172,268	1/2	157,095	1/2	141,922	1/2	126,748	1/2	111,575	1/2	96,397
3/4		3/4	217,329	3/4	202,282	3/4	187,126	3/4	171,952	3/4	156,779	3/4	141,606	3/4	126,432	3/4	111,259	3/4	96,081
4		4	217,018	4	201,967	4	186,809	4	171,636	4	156,463	4	141,289	4	126,116	4	110,943	4	95,764
1/4		1/4	216,708	1/4	201,652	1/4	186,493	1/4	171,320	1/4	156,147	1/4	140,973	1/4	125,800	1/4	110,627	1/4	95,448
1/2		1/2	216,396	1/2	201,337	1/2	186,177	1/2	171,004	1/2	155,831	1/2	140,657	1/2	125,484	1/2	110,310	1/2	95,132
3/4		3/4	216,085	3/4	201,022	3/4	185,861	3/4	170,688	3/4	155,514	3/4	140,341	3/4	125,168	3/4	109,994	3/4	94,816
5		5	215,773	5	200,707	5	185,545	5	170,372	5	155,198	5	140,025	5	124,852	5	109,678	5	94,499
1/4		1/4	215,461	1/4	200,393	1/4	185,229	1/4	170,056	1/4	154,882	1/4	139,709	1/4	124,535	1/4	109,362	1/4	94,183
1/2		1/2	215,149	1/2	200,078	1/2	184,913	1/2	169,739	1/2	154,566	1/2	139,393	1/2	124,219	1/2	109,046	1/2	93,867
3/4		3/4	214,838	3/4	199,763	3/4	184,597	3/4	169,423	3/4	154,250	3/4	139,077	3/4	123,903	3/4	108,730	3/4	93,551
6		6	214,526	6	199,448	6	184,281	6	169,107	6	153,934	6	138,761	6	123,587	6	108,413	6	93,234
1/4		1/4	214,214	1/4	199,133	1/4	183,964	1/4	168,791	1/4	153,618	1/4	138,444	1/4	123,271	1/4	108,097	1/4	92,918
1/2		1/2	213,902	1/2	198,818	1/2	183,648	1/2	168,475	1/2	153,302	1/2	138,128	1/2	122,955	1/2	107,781	1/2	92,602
3/4		3/4	213,590	3/4	198,503	3/4	183,332	3/4	168,159	3/4	152,986	3/4	137,812	3/4	122,639	3/4	107,465	3/4	92,286
7		7	213,278	7	198,188	7	183,016	7	167,843	7	152,669	7	137,496	7	122,323	7	107,149	7	91,970
1/4		1/4	212,966	1/4	197,873	1/4	182,700	1/4	167,527	1/4	152,353	1/4	137,180	1/4	122,007	1/4	106,832	1/4	91,653
1/2		1/2	212,654	1/2	197,557	1/2	182,384	1/2	167,211	1/2	152,037	1/2	136,864	1/2	121,690	1/2	106,516	1/2	91,337
3/4		3/4	212,342	3/4	197,241	3/4	182,068	3/4	166,894	3/4	151,721	3/4	136,548	3/4	121,374	3/4	106,200	3/4	91,021
8		8	212,030	8	196,925	8	181,752	8	166,578	8	151,405	8	136,232	8	121,058	8	105,884	8	90,705
1/4		1/4	211,718	1/4	196,609	1/4	181,436	1/4	166,262	1/4	151,089	1/4	135,915	1/4	120,742	1/4	105,567	1/4	90,388
1/2		1/2	211,406	1/2	196,293	1/2	181,119	1/2	165,946	1/2	150,773	1/2	135,599	1/2	120,426	1/2	105,251	1/2	90,072
3/4		3/4	211,094	3/4	195,977	3/4	180,803	3/4	165,630	3/4	150,457	3/4	135,283	3/4	120,110	3/4	104,935	3/4	89,756
9		9	210,782	9	195,661	9	180,487	9	165,314	9	150,141	9	134,967	9	119,794	9	104,619	9	89,440
1/4		1/4	210,470	1/4	195,345	1/4	180,171	1/4	164,998	1/4	149,824	1/4	134,651	1/4	119,478	1/4	104,302	1/4	89,123
1/2		1/2	210,155	1/2	195,028	1/2	179,855	1/2	164,682	1/2	149,508	1/2	134,335	1/2	119,162	1/2	103,986	1/2	88,807
3/4		3/4	209,840	3/4	194,712	3/4	179,539	3/4	164,366	3/4	149,192	3/4	134,019	3/4	118,845	3/4	103,670	3/4	88,491
10		10	209,525	10	194,396	10	179,223	10	164,049	10	148,876	10	133,703	10	118,529	10	103,354	10	88,175
1/4		1/4	209,210	1/4	194,080	1/4	178,907	1/4	163,733	1/4	148,560	1/4	133,387	1/4	118,213	1/4	103,038	1/4	87,859
1/2		1/2	208,895	1/2	193,764	1/2	178,591	1/2	163,417	1/2	148,244	1/2	133,070	1/2	117,897	1/2	102,721	1/2	87,542
3/4		3/4	208,580	3/4	193,448	3/4	178,274	3/4	163,101	3/4	147,928	3/4	132,754	3/4	117,581	3/4	102,405	3/4	87,226
11		11	208,265	11	193,132	11	177,958	11	162,785	11	147,612	11	132,438	11	117,265	11	102,089	11	86,910
1/4		1/4	207,950	1/4	192,816	1/4	177,642	1/4	162,469	1/4	147,296	1/4	132,122	1/4	116,949	1/4	101,773	1/4	86,594
1/2		1/2	207,635	1/2	192,500	1/2	177,326	1/2	162,153	1/2	146,979	1/2	131,806	1/2	116,633	1/2	101,456	1/2	86,277
3/4		3/4	207,320	3/4	192,183	3/4	177,010	3/4	161,837	3/4	146,663	3/4	131,490	3/4	116,317	3/4	101,140	3/4	85,961

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 41'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 378"

2 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	85,645	0	70,466	0	55,287	0	40,668	0	25,617	0	10,439	0		0		0		0	
1/4	85,329	1/4	70,150	1/4	54,971	1/4	40,366	1/4	25,301	1/4	10,123	1/4		1/4		1/4		1/4	
1/2	85,013	1/2	69,834	1/2	54,655	1/2	40,065	1/2	24,985	1/2	9,807	1/2		1/2		1/2		1/2	
3/4	84,696	3/4	69,517	3/4	54,338	3/4	39,763	3/4	24,669	3/4	9,490	3/4		3/4		3/4		3/4	
1	84,380	1	69,201	1	54,022	1	39,461	1	24,353	1	9,174	1		1		1		1	
1/4	84,064	1/4	68,885	1/4	53,706	1/4	39,159	1/4	24,036	1/4	8,858	1/4		1/4		1/4		1/4	
1/2	83,748	1/2	68,569	1/2	53,390	1/2	38,857	1/2	23,720	1/2	8,542	1/2		1/2		1/2		1/2	
3/4	83,431	3/4	68,252	3/4	53,073	3/4	38,555	3/4	23,404	3/4	8,226	3/4		3/4		3/4		3/4	
2	83,115	2	67,936	2	52,757	2	38,252	2	23,088	2	7,909	2		2		2		2	
1/4	82,799	1/4	67,620	1/4	52,441	1/4	37,950	1/4	22,772	1/4	7,593	1/4		1/4		1/4		1/4	
1/2	82,483	1/2	67,304	1/2	52,139	1/2	37,634	1/2	22,455	1/2	7,277	1/2		1/2		1/2		1/2	
3/4	82,166	3/4	66,987	3/4	51,836	3/4	37,317	3/4	22,139	3/4	6,961	3/4		3/4		3/4		3/4	
3	81,850	3	66,671	3	51,534	3	37,001	3	21,823	3	6,645	3		3		3		3	
1/4	81,534	1/4	66,355	1/4	51,232	1/4	36,685	1/4	21,507	1/4	6,329	1/4		1/4		1/4		1/4	
1/2	81,218	1/2	66,039	1/2	50,930	1/2	36,369	1/2	21,190	1/2	6,013	1/2		1/2		1/2		1/2	
3/4	80,902	3/4	65,723	3/4	50,628	3/4	36,053	3/4	20,874	3/4	5,697	3/4		3/4		3/4		3/4	
4	80,585	4	65,406	4	50,326	4	35,736	4	20,558	4	5,381	4		4		4		4	
1/4	80,269	1/4	65,090	1/4	50,024	1/4	35,420	1/4	20,242	1/4	5,065	1/4		1/4		1/4		1/4	
1/2	79,953	1/2	64,774	1/2	49,723	1/2	35,104	1/2	19,926	1/2	4,751	1/2		1/2		1/2		1/2	
3/4	79,637	3/4	64,458	3/4	49,421	3/4	34,788	3/4	19,609	3/4	4,436	3/4		3/4		3/4		3/4	
5	79,320	5	64,141	5	49,119	5	34,472	5	19,293	5	4,121	5		5		5		5	
1/4	79,004	1/4	63,825	1/4	48,817	1/4	34,155	1/4	18,977	1/4	3,807	1/4		1/4		1/4		1/4	
1/2	78,688	1/2	63,509	1/2	48,515	1/2	33,839	1/2	18,661	1/2	3,517	1/2		1/2		1/2		1/2	
3/4	78,372	3/4	63,193	3/4	48,214	3/4	33,523	3/4	18,345	3/4	3,227	3/4		3/4		3/4		3/4	
6	78,055	6	62,877	6	47,912	6	33,207	6	18,028	6	2,937	6		6		6		6	
1/4	77,739	1/4	62,560	1/4	47,610	1/4	32,890	1/4	17,712	1/4	2,647	1/4		1/4		1/4		1/4	
1/2	77,423	1/2	62,244	1/2	47,308	1/2	32,574	1/2	17,396	1/2	2,410	1/2		1/2		1/2		1/2	
3/4	77,107	3/4	61,928	3/4	47,006	3/4	32,258	3/4	17,080	3/4	2,173	3/4		3/4		3/4		3/4	
7	76,791	7	61,612	7	46,704	7	31,942	7	16,763	7	1,936	7		7		7		7	
1/4	76,474	1/4	61,295	1/4	46,403	1/4	31,626	1/4	16,447	1/4	1,699	1/4		1/4		1/4		1/4	
1/2	76,158	1/2	60,979	1/2	46,101	1/2	31,309	1/2	16,131	1/2	1,514	1/2		1/2		1/2		1/2	
3/4	75,842	3/4	60,663	3/4	45,799	3/4	30,993	3/4	15,815	3/4	1,330	3/4		3/4		3/4		3/4	
8	75,526	8	60,347	8	45,497	8	30,677	8	15,499	8	1,146	8		8		8		8	
1/4	75,209	1/4	60,030	1/4	45,195	1/4	30,361	1/4	15,182	1/4	961	1/4		1/4		1/4		1/4	
1/2	74,893	1/2	59,714	1/2	44,894	1/2	30,045	1/2	14,866	1/2		1/2		1/2		1/2		1/2	
3/4	74,577	3/4	59,398	3/4	44,592	3/4	29,728	3/4	14,550	3/4		3/4		3/4		3/4		3/4	
9	74,261	9	59,082	9	44,290	9	29,412	9	14,234	9		9		9		9		9	
1/4	73,945	1/4	58,766	1/4	43,988	1/4	29,096	1/4	13,918	1/4		1/4		1/4		1/4		1/4	
1/2	73,628	1/2	58,449	1/2	43,686	1/2	28,780	1/2	13,601	1/2		1/2		1/2		1/2		1/2	
3/4	73,312	3/4	58,133	3/4	43,385	3/4	28,463	3/4	13,285	3/4		3/4		3/4		3/4		3/4	
10	72,996	10	57,817	10	43,083	10	28,147	10	12,969	10		10		10		10		10	
1/4	72,680	1/4	57,501	1/4	42,781	1/4	27,831	1/4	12,653	1/4		1/4		1/4		1/4		1/4	
1/2	72,363	1/2	57,184	1/2	42,479	1/2	27,515	1/2	12,336	1/2		1/2		1/2		1/2		1/2	
3/4	72,047	3/4	56,868	3/4	42,177	3/4	27,199	3/4	12,020	3/4		3/4		3/4		3/4		3/4	
11	71,731	11	56,552	11	41,875	11	26,882	11	11,704	11		11		11		11		11	
1/4	71,415	1/4	56,236	1/4	41,574	1/4	26,566	1/4	11,388	1/4		1/4		1/4		1/4		1/4	
1/2	71,098	1/2	55,920	1/2	41,272	1/2	26,250	1/2	11,072	1/2		1/2		1/2		1/2		1/2	
3/4	70,782	3/4	55,603	3/4	40,970	3/4	25,934	3/4	10,755	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/18/2013 CL
CALCULATED: 02/19/2013 CL
PRINTED: 02/19/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

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



BARGE "CBC 378"

3 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	179,371	0	171,262	0	163,134	0	155,007	0	146,591	0	131,562	0	116,479	0	101,370
1/4		1/4		1/4	179,202	1/4	171,092	1/4	162,965	1/4	154,838	1/4	146,278	1/4	131,248	1/4	116,164	1/4	101,055
1/2		1/2	186,123	1/2	179,033	1/2	170,923	1/2	162,796	1/2	154,668	1/2	145,965	1/2	130,933	1/2	115,849	1/2	100,741
3/4		3/4	186,086	3/4	178,865	3/4	170,754	3/4	162,626	3/4	154,499	3/4	145,651	3/4	130,619	3/4	115,535	3/4	100,426
1		1	186,050	1	178,696	1	170,584	1	162,457	1	154,330	1	145,338	1	130,305	1	115,220	1	100,111
1/4		1/4	186,013	1/4	178,527	1/4	170,415	1/4	162,288	1/4	154,160	1/4	145,024	1/4	129,991	1/4	114,905	1/4	99,796
1/2		1/2	185,977	1/2	178,358	1/2	170,246	1/2	162,118	1/2	153,991	1/2	144,711	1/2	129,677	1/2	114,590	1/2	99,481
3/4		3/4	185,889	3/4	178,190	3/4	170,076	3/4	161,949	3/4	153,822	3/4	144,398	3/4	129,362	3/4	114,276	3/4	99,167
2		2	185,800	2	178,021	2	169,907	2	161,780	2	153,652	2	144,084	2	129,048	2	113,961	2	98,852
1/4		1/4	185,712	1/4	177,852	1/4	169,738	1/4	161,610	1/4	153,483	1/4	143,771	1/4	128,734	1/4	113,646	1/4	98,537
1/2		1/2	185,623	1/2	177,684	1/2	169,568	1/2	161,441	1/2	153,314	1/2	143,457	1/2	128,420	1/2	113,332	1/2	98,222
3/4		3/4	185,482	3/4	177,515	3/4	169,399	3/4	161,272	3/4	153,144	3/4	143,144	3/4	128,106	3/4	113,017	3/4	97,907
3		3	185,342	3	177,346	3	169,230	3	161,102	3	152,975	3	142,830	3	127,791	3	112,702	3	97,593
1/4		1/4	185,201	1/4	177,177	1/4	169,060	1/4	160,933	1/4	152,806	1/4	142,517	1/4	127,477	1/4	112,387	1/4	97,278
1/2		1/2	185,060	1/2	177,009	1/2	168,891	1/2	160,764	1/2	152,636	1/2	142,204	1/2	127,163	1/2	112,073	1/2	96,963
3/4		3/4	184,894	3/4	176,840	3/4	168,722	3/4	160,595	3/4	152,467	3/4	141,890	3/4	126,849	3/4	111,758	3/4	96,648
4		4	184,729	4	176,671	4	168,553	4	160,425	4	152,298	4	141,577	4	126,535	4	111,443	4	96,334
1/4		1/4	184,563	1/4	176,503	1/4	168,383	1/4	160,256	1/4	152,129	1/4	141,263	1/4	126,220	1/4	111,128	1/4	96,019
1/2		1/2	184,398	1/2	176,334	1/2	168,214	1/2	160,087	1/2	151,959	1/2	140,950	1/2	125,906	1/2	110,814	1/2	95,704
3/4		3/4	184,231	3/4	176,165	3/4	168,045	3/4	159,917	3/4	151,790	3/4	140,637	3/4	125,592	3/4	110,499	3/4	95,389
5		5	184,064	5	175,996	5	167,875	5	159,748	5	151,621	5	140,323	5	125,278	5	110,184	5	95,074
1/4		1/4	183,898	1/4	175,828	1/4	167,706	1/4	159,579	1/4	151,451	1/4	140,010	1/4	124,964	1/4	109,869	1/4	94,760
1/2		1/2	183,731	1/2	175,659	1/2	167,537	1/2	159,409	1/2	151,282	1/2	139,696	1/2	124,649	1/2	109,555	1/2	94,445
3/4		3/4	183,564	3/4	175,490	3/4	167,367	3/4	159,240	3/4	151,113	3/4	139,384	3/4	124,335	3/4	109,240	3/4	94,130
6		6	183,397	6	175,322	6	167,198	6	159,071	6	150,943	6	139,071	6	124,021	6	108,925	6	93,815
1/4		1/4	183,230	1/4	175,153	1/4	167,029	1/4	158,901	1/4	150,774	1/4	138,758	1/4	123,707	1/4	108,610	1/4	93,500
1/2		1/2	183,063	1/2	174,984	1/2	166,859	1/2	158,732	1/2	150,605	1/2	138,445	1/2	123,393	1/2	108,296	1/2	93,186
3/4		3/4	182,896	3/4	174,816	3/4	166,690	3/4	158,563	3/4	150,435	3/4	138,133	3/4	123,078	3/4	107,981	3/4	92,871
7		7	182,729	7	174,647	7	166,521	7	158,393	7	150,266	7	137,820	7	122,764	7	107,666	7	92,556
1/4		1/4	182,562	1/4	174,478	1/4	166,351	1/4	158,224	1/4	150,097	1/4	137,507	1/4	122,450	1/4	107,351	1/4	92,241
1/2		1/2	182,394	1/2	174,309	1/2	166,182	1/2	158,055	1/2	149,927	1/2	137,194	1/2	122,136	1/2	107,036	1/2	91,926
3/4		3/4	182,227	3/4	174,140	3/4	166,013	3/4	157,885	3/4	149,758	3/4	136,881	3/4	121,822	3/4	106,722	3/4	91,612
8		8	182,060	8	173,971	8	165,843	8	157,716	8	149,589	8	136,569	8	121,507	8	106,407	8	91,297
1/4		1/4	181,893	1/4	173,801	1/4	165,674	1/4	157,547	1/4	149,419	1/4	136,256	1/4	121,193	1/4	106,092	1/4	90,982
1/2		1/2	181,726	1/2	173,632	1/2	165,505	1/2	157,377	1/2	149,250	1/2	135,943	1/2	120,879	1/2	105,777	1/2	90,667
3/4		3/4	181,559	3/4	173,463	3/4	165,335	3/4	157,208	3/4	149,081	3/4	135,630	3/4	120,565	3/4	105,462	3/4	90,352
9		9	181,392	9	173,293	9	165,166	9	157,039	9	148,911	9	135,318	9	120,251	9	105,148	9	90,038
1/4		1/4	181,225	1/4	173,124	1/4	164,997	1/4	156,869	1/4	148,742	1/4	135,005	1/4	119,936	1/4	104,833	1/4	89,723
1/2		1/2	181,058	1/2	172,955	1/2	164,827	1/2	156,700	1/2	148,573	1/2	134,692	1/2	119,622	1/2	104,518	1/2	89,408
3/4		3/4	180,889	3/4	172,786	3/4	164,658	3/4	156,531	3/4	148,403	3/4	134,379	3/4	119,308	3/4	104,203	3/4	89,093
10		10	180,720	10	172,616	10	164,489	10	156,362	10	148,234	10	134,067	10	118,994	10	103,889	10	88,779
1/4		1/4	180,552	1/4	172,447	1/4	164,320	1/4	156,192	1/4	148,065	1/4	133,754	1/4	118,680	1/4	103,574	1/4	88,464
1/2		1/2	180,383	1/2	172,278	1/2	164,150	1/2	156,023	1/2	147,896	1/2	133,441	1/2	118,365	1/2	103,259	1/2	88,149
3/4		3/4	180,214	3/4	172,108	3/4	163,981	3/4	155,854	3/4	147,726	3/4	133,128	3/4	118,051	3/4	102,944	3/4	87,834
11		11	180,045	11	171,939	11	163,812	11	155,684	11	147,557	11	132,816	11	117,737	11	102,629	11	87,519
1/4		1/4	179,877	1/4	171,770	1/4	163,642	1/4	155,515	1/4	147,388	1/4	132,503	1/4	117,423	1/4	102,315	1/4	87,205
1/2		1/2	179,708	1/2	171,600	1/2	163,473	1/2	155,346	1/2	147,218	1/2	132,190	1/2	117,109	1/2	102,000	1/2	86,890
3/4		3/4	179,539	3/4	171,431	3/4	163,304	3/4	155,176	3/4	146,905	3/4	131,876	3/4	116,794	3/4	101,685	3/4	86,575

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 378"

3 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	86,260	0	71,147	0	56,033	0	40,932	0	25,822	0	10,709	0		0		0		0	
1/4	85,945	1/4	70,832	1/4	55,718	1/4	40,617	1/4	25,507	1/4	10,394	1/4		1/4		1/4		1/4	
1/2	85,631	1/2	70,517	1/2	55,403	1/2	40,303	1/2	25,193	1/2	10,080	1/2		1/2		1/2		1/2	
3/4	85,316	3/4	70,202	3/4	55,089	3/4	39,989	3/4	24,878	3/4	9,765	3/4		3/4		3/4		3/4	
1	85,001	1	69,887	1	54,774	1	39,674	1	24,563	1	9,450	1		1		1		1	
1/4	84,686	1/4	69,572	1/4	54,459	1/4	39,360	1/4	24,248	1/4	9,135	1/4		1/4		1/4		1/4	
1/2	84,371	1/2	69,258	1/2	54,144	1/2	39,045	1/2	23,933	1/2	8,820	1/2		1/2		1/2		1/2	
3/4	84,056	3/4	68,943	3/4	53,829	3/4	38,731	3/4	23,618	3/4	8,505	3/4		3/4		3/4		3/4	
2	83,741	2	68,628	2	53,514	2	38,416	2	23,303	2	8,190	2		2		2		2	
1/4	83,427	1/4	68,313	1/4	53,199	1/4	38,101	1/4	22,989	1/4	7,876	1/4		1/4		1/4		1/4	
1/2	83,112	1/2	67,998	1/2	52,884	1/2	37,787	1/2	22,674	1/2	7,561	1/2		1/2		1/2		1/2	
3/4	82,797	3/4	67,683	3/4	52,570	3/4	37,472	3/4	22,359	3/4	7,246	3/4		3/4		3/4		3/4	
3	82,482	3	67,368	3	52,255	3	37,157	3	22,044	3	6,931	3		3		3		3	
1/4	82,167	1/4	67,053	1/4	51,940	1/4	36,842	1/4	21,729	1/4	6,616	1/4		1/4		1/4		1/4	
1/2	81,852	1/2	66,739	1/2	51,625	1/2	36,527	1/2	21,414	1/2	6,302	1/2		1/2		1/2		1/2	
3/4	81,537	3/4	66,424	3/4	51,310	3/4	36,212	3/4	21,099	3/4	5,987	3/4		3/4		3/4		3/4	
4	81,222	4	66,109	4	50,995	4	35,898	4	20,785	4	5,673	4		4		4		4	
1/4	80,908	1/4	65,794	1/4	50,681	1/4	35,583	1/4	20,470	1/4	5,358	1/4		1/4		1/4		1/4	
1/2	80,593	1/2	65,479	1/2	50,366	1/2	35,268	1/2	20,155	1/2	5,044	1/2		1/2		1/2		1/2	
3/4	80,278	3/4	65,164	3/4	50,052	3/4	34,953	3/4	19,840	3/4	4,730	3/4		3/4		3/4		3/4	
5	79,963	5	64,849	5	49,737	5	34,638	5	19,525	5	4,417	5		5		5		5	
1/4	79,648	1/4	64,535	1/4	49,423	1/4	34,323	1/4	19,210	1/4	4,104	1/4		1/4		1/4		1/4	
1/2	79,333	1/2	64,220	1/2	49,108	1/2	34,009	1/2	18,896	1/2	3,790	1/2		1/2		1/2		1/2	
3/4	79,018	3/4	63,905	3/4	48,794	3/4	33,694	3/4	18,581	3/4	3,502	3/4		3/4		3/4		3/4	
6	78,704	6	63,590	6	48,479	6	33,379	6	18,266	6	3,213	6		6		6		6	
1/4	78,389	1/4	63,275	1/4	48,165	1/4	33,064	1/4	17,951	1/4	2,925	1/4		1/4		1/4		1/4	
1/2	78,074	1/2	62,960	1/2	47,850	1/2	32,749	1/2	17,636	1/2	2,636	1/2		1/2		1/2		1/2	
3/4	77,759	3/4	62,645	3/4	47,536	3/4	32,434	3/4	17,321	3/4	2,400	3/4		3/4		3/4		3/4	
7	77,444	7	62,330	7	47,221	7	32,119	7	17,006	7	2,164	7		7		7		7	
1/4	77,129	1/4	62,016	1/4	46,907	1/4	31,805	1/4	16,692	1/4	1,928	1/4		1/4		1/4		1/4	
1/2	76,814	1/2	61,701	1/2	46,592	1/2	31,490	1/2	16,377	1/2	1,692	1/2		1/2		1/2		1/2	
3/4	76,499	3/4	61,386	3/4	46,278	3/4	31,175	3/4	16,062	3/4	1,508	3/4		3/4		3/4		3/4	
8	76,185	8	61,071	8	45,963	8	30,860	8	15,747	8	1,325	8		8		8		8	
1/4	75,870	1/4	60,756	1/4	45,649	1/4	30,545	1/4	15,432	1/4	1,141	1/4		1/4		1/4		1/4	
1/2	75,555	1/2	60,441	1/2	45,334	1/2	30,230	1/2	15,117	1/2	957	1/2		1/2		1/2		1/2	
3/4	75,240	3/4	60,126	3/4	45,020	3/4	29,915	3/4	14,802	3/4		3/4		3/4		3/4		3/4	
9	74,925	9	59,812	9	44,706	9	29,601	9	14,488	9		9		9		9		9	
1/4	74,610	1/4	59,497	1/4	44,391	1/4	29,286	1/4	14,173	1/4		1/4		1/4		1/4		1/4	
1/2	74,295	1/2	59,182	1/2	44,077	1/2	28,971	1/2	13,858	1/2		1/2		1/2		1/2		1/2	
3/4	73,981	3/4	58,867	3/4	43,762	3/4	28,656	3/4	13,543	3/4		3/4		3/4		3/4		3/4	
10	73,666	10	58,552	10	43,448	10	28,341	10	13,228	10		10		10		10		10	
1/4	73,351	1/4	58,237	1/4	43,133	1/4	28,026	1/4	12,913	1/4		1/4		1/4		1/4		1/4	
1/2	73,036	1/2	57,922	1/2	42,819	1/2	27,711	1/2	12,598	1/2		1/2		1/2		1/2		1/2	
3/4	72,721	3/4	57,607	3/4	42,504	3/4	27,397	3/4	12,284	3/4		3/4		3/4		3/4		3/4	
11	72,406	11	57,293	11	42,190	11	27,082	11	11,969	11		11		11		11		11	
1/4	72,091	1/4	56,978	1/4	41,875	1/4	26,767	1/4	11,654	1/4		1/4		1/4		1/4		1/4	
1/2	71,776	1/2	56,663	1/2	41,561	1/2	26,452	1/2	11,339	1/2		1/2		1/2		1/2		1/2	
3/4	71,462	3/4	56,348	3/4	41,246	3/4	26,137	3/4	11,024	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "CBC 378"

3 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	178,102	0	170,019	0	161,918	0	153,816	0	145,283	0	130,277	0	115,226	0	100,142
1/4		1/4	184,997	1/4	177,934	1/4	169,850	1/4	161,749	1/4	153,648	1/4	144,970	1/4	129,963	1/4	114,912	1/4	99,827
1/2		1/2	184,961	1/2	177,766	1/2	169,681	1/2	161,580	1/2	153,479	1/2	144,657	1/2	129,650	1/2	114,597	1/2	99,513
3/4		3/4	184,925	3/4	177,597	3/4	169,512	3/4	161,411	3/4	153,310	3/4	144,344	3/4	129,336	3/4	114,283	3/4	99,199
1		1	184,889	1	177,429	1	169,343	1	161,242	1	153,141	1	144,031	1	129,022	1	113,969	1	98,885
1/4		1/4	184,853	1/4	177,261	1/4	169,175	1/4	161,074	1/4	152,973	1/4	143,718	1/4	128,709	1/4	113,655	1/4	98,570
1/2		1/2	184,765	1/2	177,093	1/2	169,006	1/2	160,905	1/2	152,804	1/2	143,406	1/2	128,395	1/2	113,341	1/2	98,256
3/4		3/4	184,678	3/4	176,925	3/4	168,837	3/4	160,736	3/4	152,635	3/4	143,093	3/4	128,082	3/4	113,026	3/4	97,942
2		2	184,590	2	176,757	2	168,668	2	160,567	2	152,466	2	142,780	2	127,769	2	112,712	2	97,628
1/4		1/4	184,502	1/4	176,588	1/4	168,500	1/4	160,399	1/4	152,297	1/4	142,467	1/4	127,455	1/4	112,398	1/4	97,313
1/2		1/2	184,362	1/2	176,420	1/2	168,331	1/2	160,230	1/2	152,129	1/2	142,154	1/2	127,142	1/2	112,084	1/2	96,999
3/4		3/4	184,221	3/4	176,252	3/4	168,162	3/4	160,061	3/4	151,960	3/4	141,841	3/4	126,828	3/4	111,769	3/4	96,685
3		3	184,081	3	176,084	3	167,993	3	159,892	3	151,791	3	141,528	3	126,515	3	111,455	3	96,370
1/4		1/4	183,941	1/4	175,916	1/4	167,825	1/4	159,723	1/4	151,622	1/4	141,215	1/4	126,202	1/4	111,141	1/4	96,056
1/2		1/2	183,776	1/2	175,748	1/2	167,656	1/2	159,555	1/2	151,454	1/2	140,902	1/2	125,888	1/2	110,827	1/2	95,742
3/4		3/4	183,611	3/4	175,579	3/4	167,487	3/4	159,386	3/4	151,285	3/4	140,589	3/4	125,575	3/4	110,513	3/4	95,428
4		4	183,446	4	175,411	4	167,318	4	159,217	4	151,116	4	140,277	4	125,262	4	110,198	4	95,113
1/4		1/4	183,281	1/4	175,243	1/4	167,149	1/4	159,048	1/4	150,947	1/4	139,964	1/4	124,948	1/4	109,884	1/4	94,799
1/2		1/2	183,115	1/2	175,075	1/2	166,981	1/2	158,880	1/2	150,779	1/2	139,651	1/2	124,635	1/2	109,570	1/2	94,485
3/4		3/4	182,948	3/4	174,907	3/4	166,812	3/4	158,711	3/4	150,610	3/4	139,338	3/4	124,321	3/4	109,256	3/4	94,170
5		5	182,782	5	174,739	5	166,643	5	158,542	5	150,441	5	139,025	5	124,008	5	108,941	5	93,856
1/4		1/4	182,616	1/4	174,571	1/4	166,474	1/4	158,373	1/4	150,272	1/4	138,712	1/4	123,695	1/4	108,627	1/4	93,542
1/2		1/2	182,450	1/2	174,402	1/2	166,306	1/2	158,205	1/2	150,103	1/2	138,400	1/2	123,381	1/2	108,313	1/2	93,228
3/4		3/4	182,283	3/4	174,234	3/4	166,137	3/4	158,036	3/4	149,935	3/4	138,088	3/4	123,068	3/4	107,999	3/4	92,913
6		6	182,117	6	174,066	6	165,968	6	157,867	6	149,766	6	137,775	6	122,755	6	107,684	6	92,599
1/4		1/4	181,950	1/4	173,898	1/4	165,799	1/4	157,698	1/4	149,597	1/4	137,463	1/4	122,441	1/4	107,370	1/4	92,285
1/2		1/2	181,784	1/2	173,730	1/2	165,630	1/2	157,529	1/2	149,428	1/2	137,151	1/2	122,128	1/2	107,056	1/2	91,970
3/4		3/4	181,617	3/4	173,562	3/4	165,462	3/4	157,361	3/4	149,260	3/4	136,839	3/4	121,815	3/4	106,742	3/4	91,656
7		7	181,451	7	173,393	7	165,293	7	157,192	7	149,091	7	136,526	7	121,501	7	106,427	7	91,342
1/4		1/4	181,284	1/4	173,225	1/4	165,124	1/4	157,023	1/4	148,922	1/4	136,214	1/4	121,188	1/4	106,113	1/4	91,028
1/2		1/2	181,117	1/2	173,056	1/2	164,955	1/2	156,854	1/2	148,753	1/2	135,902	1/2	120,874	1/2	105,799	1/2	90,713
3/4		3/4	180,951	3/4	172,888	3/4	164,787	3/4	156,686	3/4	148,585	3/4	135,590	3/4	120,560	3/4	105,484	3/4	90,399
8		8	180,784	8	172,719	8	164,618	8	156,517	8	148,416	8	135,277	8	120,247	8	105,170	8	90,085
1/4		1/4	180,618	1/4	172,550	1/4	164,449	1/4	156,348	1/4	148,247	1/4	134,965	1/4	119,933	1/4	104,856	1/4	89,771
1/2		1/2	180,451	1/2	172,381	1/2	164,280	1/2	156,179	1/2	148,078	1/2	134,653	1/2	119,619	1/2	104,542	1/2	89,456
3/4		3/4	180,285	3/4	172,213	3/4	164,112	3/4	156,010	3/4	147,909	3/4	134,341	3/4	119,306	3/4	104,227	3/4	89,142
9		9	180,118	9	172,044	9	163,943	9	155,842	9	147,741	9	134,028	9	118,992	9	103,913	9	88,828
1/4		1/4	179,952	1/4	171,875	1/4	163,774	1/4	155,673	1/4	147,572	1/4	133,716	1/4	118,678	1/4	103,599	1/4	88,513
1/2		1/2	179,784	1/2	171,706	1/2	163,605	1/2	155,504	1/2	147,403	1/2	133,404	1/2	118,365	1/2	103,285	1/2	88,199
3/4		3/4	179,615	3/4	171,538	3/4	163,436	3/4	155,335	3/4	147,234	3/4	133,092	3/4	118,051	3/4	102,970	3/4	87,885
10		10	179,447	10	171,369	10	163,268	10	155,167	10	147,066	10	132,779	10	117,737	10	102,656	10	87,571
1/4		1/4	179,279	1/4	171,200	1/4	163,099	1/4	154,998	1/4	146,897	1/4	132,467	1/4	117,424	1/4	102,342	1/4	87,256
1/2		1/2	179,111	1/2	171,031	1/2	162,930	1/2	154,829	1/2	146,728	1/2	132,155	1/2	117,110	1/2	102,027	1/2	86,942
3/4		3/4	178,943	3/4	170,862	3/4	162,761	3/4	154,660	3/4	146,559	3/4	131,843	3/4	116,796	3/4	101,713	3/4	86,628
11		11	178,775	11	170,694	11	162,593	11	154,492	11	146,390	11	131,530	11	116,483	11	101,399	11	86,313
1/4		1/4	178,606	1/4	170,525	1/4	162,424	1/4	154,323	1/4	146,222	1/4	131,218	1/4	116,169	1/4	101,085	1/4	85,999
1/2		1/2	178,438	1/2	170,356	1/2	162,255	1/2	154,154	1/2	145,909	1/2	130,904	1/2	115,855	1/2	100,770	1/2	85,685
3/4		3/4	178,270	3/4	170,187	3/4	162,086	3/4	153,985	3/4	145,596	3/4	130,591	3/4	115,540	3/4	100,456	3/4	85,371

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
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BARGE "CBC 378"

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/18/2013 CL
CALCULATED: 02/19/2013 CL
PRINTED: 02/19/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

PRECISION MEASUREMENT
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