



BARGE "CBC 1369"

INNAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>										
1 CENTER	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
2 CENTER	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8
3 CENTER	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-3/4	- 00-3/4	00-7/8	- 00-7/8	01-1/8	- 01-1/8	01-3/8	- 01-3/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 161'-09"

November 6, 2013

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

<http://www.pmacorp.net>



BARGE "CBC 1369"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	39	0	8,093	0	18,883	0	29,523	0	40,193	0	50,956	0	61,718	0	72,458	0	83,199	0	93,965
1/4	58	1/4	8,317	1/4	19,108	1/4	29,742	1/4	40,417	1/4	51,180	1/4	61,943	1/4	72,681	1/4	83,424	1/4	94,189
1/2	77	1/2	8,542	1/2	19,333	1/2	29,960	1/2	40,642	1/2	51,404	1/2	62,167	1/2	72,904	1/2	83,648	1/2	94,414
3/4	96	3/4	8,767	3/4	19,558	3/4	30,179	3/4	40,866	3/4	51,628	3/4	62,391	3/4	73,126	3/4	83,872	3/4	94,638
1	114	1	8,992	1	19,782	1	30,397	1	41,090	1	51,853	1	62,615	1	73,349	1	84,096	1	94,862
1/4	170	1/4	9,217	1/4	20,007	1/4	30,615	1/4	41,314	1/4	52,077	1/4	62,840	1/4	73,572	1/4	84,321	1/4	95,087
1/2	227	1/2	9,441	1/2	20,232	1/2	30,834	1/2	41,538	1/2	52,301	1/2	63,064	1/2	73,795	1/2	84,545	1/2	95,311
3/4	283	3/4	9,666	3/4	20,457	3/4	31,052	3/4	41,763	3/4	52,525	3/4	63,288	3/4	74,018	3/4	84,769	3/4	95,535
2	339	2	9,891	2	20,682	2	31,271	2	41,987	2	52,750	2	63,512	2	74,241	2	84,994	2	95,760
1/4	433	1/4	10,116	1/4	20,906	1/4	31,489	1/4	42,211	1/4	52,974	1/4	63,736	1/4	74,464	1/4	85,218	1/4	95,984
1/2	526	1/2	10,341	1/2	21,131	1/2	31,707	1/2	42,435	1/2	53,198	1/2	63,961	1/2	74,687	1/2	85,442	1/2	96,208
3/4	620	3/4	10,565	3/4	21,356	3/4	31,926	3/4	42,660	3/4	53,422	3/4	64,185	3/4	74,909	3/4	85,666	3/4	96,432
3	714	3	10,790	3	21,581	3	32,144	3	42,884	3	53,646	3	64,409	3	75,132	3	85,891	3	96,657
1/4	845	1/4	11,015	1/4	21,806	1/4	32,363	1/4	43,108	1/4	53,871	1/4	64,633	1/4	75,355	1/4	86,115	1/4	96,881
1/2	976	1/2	11,240	1/2	22,030	1/2	32,581	1/2	43,332	1/2	54,095	1/2	64,858	1/2	75,578	1/2	86,339	1/2	97,105
3/4	1,107	3/4	11,465	3/4	22,255	3/4	32,800	3/4	43,556	3/4	54,319	3/4	65,082	3/4	75,801	3/4	86,564	3/4	97,330
4	1,238	4	11,689	4	22,480	4	33,018	4	43,781	4	54,543	4	65,306	4	76,024	4	86,788	4	97,554
1/4	1,407	1/4	11,914	1/4	22,705	1/4	33,242	1/4	44,005	1/4	54,768	1/4	65,530	1/4	76,247	1/4	87,012	1/4	97,778
1/2	1,575	1/2	12,139	1/2	22,930	1/2	33,466	1/2	44,229	1/2	54,992	1/2	65,754	1/2	76,471	1/2	87,236	1/2	98,002
3/4	1,744	3/4	12,364	3/4	23,154	3/4	33,691	3/4	44,453	3/4	55,216	3/4	65,979	3/4	76,695	3/4	87,461	3/4	98,227
5	1,912	5	12,589	5	23,379	5	33,915	5	44,678	5	55,440	5	66,203	5	76,918	5	87,685	5	98,451
1/4	2,118	1/4	12,813	1/4	23,604	1/4	34,139	1/4	44,902	1/4	55,664	1/4	66,427	1/4	77,142	1/4	87,909	1/4	98,675
1/2	2,323	1/2	13,038	1/2	23,829	1/2	34,363	1/2	45,126	1/2	55,889	1/2	66,651	1/2	77,367	1/2	88,134	1/2	98,900
3/4	2,529	3/4	13,263	3/4	24,054	3/4	34,588	3/4	45,350	3/4	56,113	3/4	66,876	3/4	77,591	3/4	88,358	3/4	99,124
6	2,734	6	13,488	6	24,278	6	34,812	6	45,574	6	56,337	6	67,100	6	77,815	6	88,582	6	99,348
1/4	2,955	1/4	13,713	1/4	24,497	1/4	35,036	1/4	45,799	1/4	56,561	1/4	67,323	1/4	78,040	1/4	88,807	1/4	99,572
1/2	3,175	1/2	13,938	1/2	24,716	1/2	35,260	1/2	46,023	1/2	56,786	1/2	67,547	1/2	78,264	1/2	89,031	1/2	99,797
3/4	3,395	3/4	14,162	3/4	24,935	3/4	35,484	3/4	46,247	3/4	57,010	3/4	67,771	3/4	78,488	3/4	89,255	3/4	100,021
7	3,616	7	14,387	7	25,154	7	35,709	7	46,471	7	57,234	7	67,994	7	78,713	7	89,479	7	100,245
1/4	3,838	1/4	14,612	1/4	25,372	1/4	35,933	1/4	46,696	1/4	57,458	1/4	68,218	1/4	78,937	1/4	89,704	1/4	100,470
1/2	4,060	1/2	14,837	1/2	25,591	1/2	36,157	1/2	46,920	1/2	57,682	1/2	68,442	1/2	79,161	1/2	89,928	1/2	100,694
3/4	4,282	3/4	15,062	3/4	25,810	3/4	36,381	3/4	47,144	3/4	57,907	3/4	68,665	3/4	79,386	3/4	90,152	3/4	100,918
8	4,505	8	15,286	8	26,029	8	36,606	8	47,368	8	58,131	8	68,889	8	79,610	8	90,377	8	101,143
1/4	4,728	1/4	15,511	1/4	26,247	1/4	36,830	1/4	47,592	1/4	58,355	1/4	69,112	1/4	79,834	1/4	90,601	1/4	101,367
1/2	4,952	1/2	15,736	1/2	26,466	1/2	37,054	1/2	47,817	1/2	58,579	1/2	69,336	1/2	80,059	1/2	90,825	1/2	101,591
3/4	5,175	3/4	15,961	3/4	26,684	3/4	37,278	3/4	48,041	3/4	58,804	3/4	69,560	3/4	80,283	3/4	91,049	3/4	101,815
9	5,398	9	16,186	9	26,902	9	37,502	9	48,265	9	59,028	9	69,783	9	80,507	9	91,274	9	102,040
1/4	5,623	1/4	16,410	1/4	27,121	1/4	37,727	1/4	48,489	1/4	59,252	1/4	70,006	1/4	80,732	1/4	91,498	1/4	102,264
1/2	5,847	1/2	16,635	1/2	27,339	1/2	37,951	1/2	48,714	1/2	59,476	1/2	70,229	1/2	80,956	1/2	91,722	1/2	102,488
3/4	6,071	3/4	16,860	3/4	27,558	3/4	38,175	3/4	48,938	3/4	59,700	3/4	70,452	3/4	81,180	3/4	91,947	3/4	102,713
10	6,295	10	17,085	10	27,776	10	38,399	10	49,162	10	59,925	10	70,675	10	81,405	10	92,171	10	102,937
1/4	6,520	1/4	17,310	1/4	27,995	1/4	38,624	1/4	49,386	1/4	60,149	1/4	70,898	1/4	81,629	1/4	92,395	1/4	103,161
1/2	6,744	1/2	17,534	1/2	28,213	1/2	38,848	1/2	49,610	1/2	60,373	1/2	71,121	1/2	81,853	1/2	92,619	1/2	103,385
3/4	6,969	3/4	17,759	3/4	28,431	3/4	39,072	3/4	49,835	3/4	60,597	3/4	71,343	3/4	82,078	3/4	92,844	3/4	103,610
11	7,193	11	17,984	11	28,650	11	39,296	11	50,059	11	60,822	11	71,566	11	82,302	11	93,068	11	103,834
1/4	7,418	1/4	18,209	1/4	28,868	1/4	39,520	1/4	50,283	1/4	61,046	1/4	71,789	1/4	82,526	1/4	93,292	1/4	104,058
1/2	7,643	1/2	18,434	1/2	29,087	1/2	39,745	1/2	50,507	1/2	61,270	1/2	72,012	1/2	82,751	1/2	93,517	1/2	104,283
3/4	7,868	3/4	18,658	3/4	29,305	3/4	39,969	3/4	50,732	3/4	61,494	3/4	72,235	3/4	82,975	3/4	93,741	3/4	104,507

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 26'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 1369"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	104,731	0	114,834	0	124,295	0	133,714	0	143,117	0		0		0		0		0	
1/4	104,955	1/4	115,031	1/4	124,492	1/4	133,911	1/4	143,312	1/4		1/4		1/4		1/4		1/4	
1/2	105,179	1/2	115,228	1/2	124,688	1/2	134,108	1/2	143,506	1/2		1/2		1/2		1/2		1/2	
3/4	105,403	3/4	115,425	3/4	124,885	3/4	134,304	3/4	143,701	3/4		3/4		3/4		3/4		3/4	
1	105,627	1	115,622	1	125,081	1	134,501	1	143,895	1		1		1		1		1	
1/4	105,851	1/4	115,819	1/4	125,278	1/4	134,697	1/4	144,090	1/4		1/4		1/4		1/4		1/4	
1/2	106,075	1/2	116,016	1/2	125,475	1/2	134,894	1/2	144,284	1/2		1/2		1/2		1/2		1/2	
3/4	106,300	3/4	116,213	3/4	125,671	3/4	135,090	3/4	144,479	3/4		3/4		3/4		3/4		3/4	
2	106,524	2	116,411	2	125,868	2	135,287	2	144,673	2		2		2		2		2	
1/4	106,748	1/4	116,608	1/4	126,064	1/4	135,484	1/4	144,877	1/4		1/4		1/4		1/4		1/4	
1/2	106,972	1/2	116,805	1/2	126,261	1/2	135,680	1/2	145,080	1/2		1/2		1/2		1/2		1/2	
3/4	107,196	3/4	117,002	3/4	126,457	3/4	135,877	3/4	145,284	3/4		3/4		3/4		3/4		3/4	
3	107,420	3	117,199	3	126,654	3	136,073	3	145,487	3		3		3		3		3	
1/4	107,644	1/4	117,396	1/4	126,851	1/4	136,270	1/4	145,653	1/4		1/4		1/4		1/4		1/4	
1/2	107,868	1/2	117,593	1/2	127,047	1/2	136,467	1/2	145,819	1/2		1/2		1/2		1/2		1/2	
3/4	108,092	3/4	117,790	3/4	127,244	3/4	136,663	3/4	145,985	3/4		3/4		3/4		3/4		3/4	
4	108,316	4	117,987	4	127,440	4	136,860	4	146,151	4		4		4		4		4	
1/4	108,540	1/4	118,185	1/4	127,637	1/4	137,056	1/4	146,279	1/4		1/4		1/4		1/4		1/4	
1/2	108,764	1/2	118,382	1/2	127,834	1/2	137,253	1/2	146,408	1/2		1/2		1/2		1/2		1/2	
3/4	108,988	3/4	118,579	3/4	128,030	3/4	137,449	3/4	146,536	3/4		3/4		3/4		3/4		3/4	
5	109,212	5	118,776	5	128,227	5	137,646	5	146,665	5		5		5		5		5	
1/4	109,436	1/4	118,973	1/4	128,423	1/4	137,843	1/4	146,756	1/4		1/4		1/4		1/4		1/4	
1/2	109,660	1/2	119,170	1/2	128,620	1/2	138,039	1/2	146,847	1/2		1/2		1/2		1/2		1/2	
3/4	109,884	3/4	119,367	3/4	128,817	3/4	138,236	3/4	146,938	3/4		3/4		3/4		3/4		3/4	
6	110,108	6	119,564	6	129,013	6	138,432	6	147,029	6		6		6		6		6	
1/4	110,305	1/4	119,761	1/4	129,209	1/4	138,629	1/4	147,082	1/4		1/4		1/4		1/4		1/4	
1/2	110,502	1/2	119,959	1/2	129,405	1/2	138,826	1/2	147,136	1/2		1/2		1/2		1/2		1/2	
3/4	110,699	3/4	120,156	3/4	129,601	3/4	139,022	3/4	147,189	3/4		3/4		3/4		3/4		3/4	
7	110,896	7	120,353	7	129,797	7	139,219	7	147,243	7		7		7		7		7	
1/4	111,093	1/4	120,550	1/4	129,993	1/4	139,415	1/4	147,259	1/4		1/4		1/4		1/4		1/4	
1/2	111,290	1/2	120,747	1/2	130,188	1/2	139,612	1/2	147,275	1/2		1/2		1/2		1/2		1/2	
3/4	111,486	3/4	120,944	3/4	130,384	3/4	139,809	3/4	147,291	3/4		3/4		3/4		3/4		3/4	
8	111,683	8	121,141	8	130,580	8	140,005	8	147,307	8		8		8		8		8	
1/4	111,880	1/4	121,338	1/4	130,776	1/4	140,200	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	112,077	1/2	121,535	1/2	130,972	1/2	140,394	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	112,274	3/4	121,733	3/4	131,168	3/4	140,589	3/4		3/4		3/4		3/4		3/4		3/4	
9	112,471	9	121,930	9	131,364	9	140,783	9		9		9		9		9		9	
1/4	112,668	1/4	122,127	1/4	131,560	1/4	140,978	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	112,865	1/2	122,324	1/2	131,755	1/2	141,172	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	113,062	3/4	122,521	3/4	131,951	3/4	141,367	3/4		3/4		3/4		3/4		3/4		3/4	
10	113,259	10	122,718	10	132,147	10	141,561	10		10		10		10		10		10	
1/4	113,455	1/4	122,915	1/4	132,343	1/4	141,756	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	113,652	1/2	123,112	1/2	132,539	1/2	141,950	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	113,849	3/4	123,309	3/4	132,735	3/4	142,145	3/4		3/4		3/4		3/4		3/4		3/4	
11	114,046	11	123,507	11	132,931	11	142,339	11		11		11		11		11		11	
1/4	114,243	1/4	123,704	1/4	133,127	1/4	142,534	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	114,440	1/2	123,901	1/2	133,323	1/2	142,728	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	114,637	3/4	124,098	3/4	133,518	3/4	142,923	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/06/2013 SW
CALCULATED: 11/06/2013 CL
PRINTED: 11/07/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2013

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



BARGE "CBC 1369"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09"

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	39	0	9,055	0	21,134	0	33,067	0	45,000	0	57,080	0	69,159	0	81,239	0	93,319	0	105,397
1/4	60	1/4	9,306	1/4	21,386	1/4	33,311	1/4	45,251	1/4	57,331	1/4	69,411	1/4	81,491	1/4	93,571	1/4	105,648
1/2	81	1/2	9,558	1/2	21,638	1/2	33,555	1/2	45,503	1/2	57,583	1/2	69,663	1/2	81,743	1/2	93,822	1/2	105,900
3/4	102	3/4	9,810	3/4	21,889	3/4	33,800	3/4	45,755	3/4	57,835	3/4	69,914	3/4	81,994	3/4	94,074	3/4	106,152
1	123	1	10,061	1	22,141	1	34,044	1	46,006	1	58,086	1	70,166	1	82,246	1	94,326	1	106,403
1/4	186	1/4	10,313	1/4	22,392	1/4	34,288	1/4	46,258	1/4	58,338	1/4	70,418	1/4	82,498	1/4	94,577	1/4	106,655
1/2	249	1/2	10,565	1/2	22,644	1/2	34,532	1/2	46,510	1/2	58,590	1/2	70,669	1/2	82,749	1/2	94,829	1/2	106,907
3/4	312	3/4	10,816	3/4	22,896	3/4	34,777	3/4	46,761	3/4	58,841	3/4	70,921	3/4	83,001	3/4	95,080	3/4	107,158
2	375	2	11,068	2	23,147	2	35,021	2	47,013	2	59,093	2	71,173	2	83,253	2	95,332	2	107,410
1/4	480	1/4	11,320	1/4	23,399	1/4	35,265	1/4	47,265	1/4	59,345	1/4	71,424	1/4	83,504	1/4	95,584	1/4	107,661
1/2	584	1/2	11,571	1/2	23,651	1/2	35,509	1/2	47,516	1/2	59,596	1/2	71,676	1/2	83,756	1/2	95,835	1/2	107,913
3/4	689	3/4	11,823	3/4	23,902	3/4	35,753	3/4	47,768	3/4	59,848	3/4	71,928	3/4	84,008	3/4	96,087	3/4	108,165
3	794	3	12,075	3	24,154	3	35,998	3	48,020	3	60,100	3	72,179	3	84,259	3	96,338	3	108,416
1/4	941	1/4	12,326	1/4	24,406	1/4	36,242	1/4	48,271	1/4	60,351	1/4	72,431	1/4	84,511	1/4	96,590	1/4	108,668
1/2	1,088	1/2	12,578	1/2	24,657	1/2	36,486	1/2	48,523	1/2	60,603	1/2	72,683	1/2	84,763	1/2	96,842	1/2	108,919
3/4	1,235	3/4	12,830	3/4	24,909	3/4	36,730	3/4	48,775	3/4	60,854	3/4	72,934	3/4	85,014	3/4	97,093	3/4	109,171
4	1,381	4	13,081	4	25,161	4	36,975	4	49,026	4	61,106	4	73,186	4	85,266	4	97,345	4	109,423
1/4	1,570	1/4	13,333	1/4	25,412	1/4	37,219	1/4	49,278	1/4	61,358	1/4	73,438	1/4	85,517	1/4	97,597	1/4	109,674
1/2	1,759	1/2	13,585	1/2	25,664	1/2	37,464	1/2	49,530	1/2	61,609	1/2	73,689	1/2	85,769	1/2	97,848	1/2	109,926
3/4	1,948	3/4	13,836	3/4	25,916	3/4	37,709	3/4	49,781	3/4	61,861	3/4	73,941	3/4	86,021	3/4	98,100	3/4	110,178
5	2,136	5	14,088	5	26,167	5	37,953	5	50,033	5	62,113	5	74,193	5	86,272	5	98,351	5	110,429
1/4	2,366	1/4	14,340	1/4	26,419	1/4	38,205	1/4	50,285	1/4	62,364	1/4	74,444	1/4	86,524	1/4	98,603	1/4	110,681
1/2	2,596	1/2	14,591	1/2	26,671	1/2	38,456	1/2	50,536	1/2	62,616	1/2	74,696	1/2	86,776	1/2	98,855	1/2	110,932
3/4	2,826	3/4	14,843	3/4	26,922	3/4	38,708	3/4	50,788	3/4	62,868	3/4	74,948	3/4	87,027	3/4	99,106	3/4	111,184
6	3,056	6	15,095	6	27,174	6	38,960	6	51,040	6	63,119	6	75,199	6	87,279	6	99,358	6	111,436
1/4	3,303	1/4	15,346	1/4	27,426	1/4	39,211	1/4	51,291	1/4	63,371	1/4	75,451	1/4	87,531	1/4	99,610	1/4	111,687
1/2	3,550	1/2	15,598	1/2	27,677	1/2	39,463	1/2	51,543	1/2	63,623	1/2	75,703	1/2	87,782	1/2	99,861	1/2	111,939
3/4	3,796	3/4	15,849	3/4	27,929	3/4	39,715	3/4	51,795	3/4	63,874	3/4	75,954	3/4	88,034	3/4	100,113	3/4	112,191
7	4,043	7	16,101	7	28,181	7	39,966	7	52,046	7	64,126	7	76,206	7	88,286	7	100,364	7	112,442
1/4	4,292	1/4	16,353	1/4	28,425	1/4	40,218	1/4	52,298	1/4	64,378	1/4	76,458	1/4	88,537	1/4	100,616	1/4	112,694
1/2	4,541	1/2	16,604	1/2	28,670	1/2	40,470	1/2	52,550	1/2	64,629	1/2	76,709	1/2	88,789	1/2	100,868	1/2	112,945
3/4	4,789	3/4	16,856	3/4	28,914	3/4	40,721	3/4	52,801	3/4	64,881	3/4	76,961	3/4	89,041	3/4	101,119	3/4	113,197
8	5,038	8	17,108	8	29,159	8	40,973	8	53,053	8	65,133	8	77,213	8	89,292	8	101,371	8	113,449
1/4	5,288	1/4	17,359	1/4	29,403	1/4	41,225	1/4	53,305	1/4	65,384	1/4	77,464	1/4	89,544	1/4	101,623	1/4	113,700
1/2	5,539	1/2	17,611	1/2	29,647	1/2	41,476	1/2	53,556	1/2	65,636	1/2	77,716	1/2	89,796	1/2	101,874	1/2	113,952
3/4	5,789	3/4	17,863	3/4	29,892	3/4	41,728	3/4	53,808	3/4	65,888	3/4	77,968	3/4	90,047	3/4	102,126	3/4	114,204
9	6,039	9	18,114	9	30,136	9	41,980	9	54,060	9	66,139	9	78,219	9	90,299	9	102,377	9	114,455
1/4	6,290	1/4	18,366	1/4	30,380	1/4	42,231	1/4	54,311	1/4	66,391	1/4	78,471	1/4	90,551	1/4	102,629	1/4	114,707
1/2	6,541	1/2	18,618	1/2	30,624	1/2	42,483	1/2	54,563	1/2	66,643	1/2	78,723	1/2	90,802	1/2	102,881	1/2	114,958
3/4	6,792	3/4	18,869	3/4	30,869	3/4	42,735	3/4	54,815	3/4	66,894	3/4	78,974	3/4	91,054	3/4	103,132	3/4	115,210
10	7,043	10	19,121	10	31,113	10	42,986	10	55,066	10	67,146	10	79,226	10	91,306	10	103,384	10	115,462
1/4	7,294	1/4	19,373	1/4	31,357	1/4	43,238	1/4	55,318	1/4	67,398	1/4	79,478	1/4	91,557	1/4	103,635	1/4	115,713
1/2	7,545	1/2	19,624	1/2	31,601	1/2	43,490	1/2	55,570	1/2	67,649	1/2	79,729	1/2	91,809	1/2	103,887	1/2	115,965
3/4	7,797	3/4	19,876	3/4	31,846	3/4	43,741	3/4	55,821	3/4	67,901	3/4	79,981	3/4	92,061	3/4	104,139	3/4	116,216
11	8,048	11	20,128	11	32,090	11	43,993	11	56,073	11	68,153	11	80,233	11	92,312	11	104,390	11	116,468
1/4	8,300	1/4	20,379	1/4	32,334	1/4	44,245	1/4	56,325	1/4	68,404	1/4	80,484	1/4	92,564	1/4	104,642	1/4	116,720
1/2	8,552	1/2	20,631	1/2	32,578	1/2	44,496	1/2	56,576	1/2	68,656	1/2	80,736	1/2	92,816	1/2	104,894	1/2	116,971
3/4	8,803	3/4	20,883	3/4	32,823	3/4	44,748	3/4	56,828	3/4	68,908	3/4	80,988	3/4	93,067	3/4	105,145	3/4	117,223

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 30'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 1369"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09"

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	117,475	0	129,552	0	141,630	0	153,641	0	165,614	0		0		0		0		0	
1/4	117,726	1/4	129,804	1/4	141,880	1/4	153,891	1/4	165,862	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	117,978	1/2	130,056	1/2	142,131	1/2	154,141	1/2	166,110	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	118,229	3/4	130,307	3/4	142,381	3/4	154,391	3/4	166,358	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	118,481	1	130,559	1	142,631	1	154,642	1	166,606	1	1	1	1	1	1	1	1	1	1
1/4	118,733	1/4	130,810	1/4	142,881	1/4	154,892	1/4	166,854	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	118,984	1/2	131,062	1/2	143,131	1/2	155,142	1/2	167,102	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	119,236	3/4	131,314	3/4	143,382	3/4	155,392	3/4	167,350	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	119,488	2	131,565	2	143,632	2	155,642	2	167,598	2	2	2	2	2	2	2	2	2	2
1/4	119,739	1/4	131,817	1/4	143,882	1/4	155,893	1/4	167,824	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	119,991	1/2	132,069	1/2	144,132	1/2	156,143	1/2	168,051	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	120,242	3/4	132,320	3/4	144,382	3/4	156,393	3/4	168,278	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	120,494	3	132,572	3	144,633	3	156,643	3	168,505	3	3	3	3	3	3	3	3	3	3
1/4	120,746	1/4	132,823	1/4	144,883	1/4	156,894	1/4	168,690	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	120,997	1/2	133,075	1/2	145,133	1/2	157,144	1/2	168,875	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	121,249	3/4	133,327	3/4	145,383	3/4	157,394	3/4	169,060	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	121,500	4	133,578	4	145,634	4	157,644	4	169,245	4	4	4	4	4	4	4	4	4	4
1/4	121,752	1/4	133,830	1/4	145,884	1/4	157,894	1/4	169,388	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	122,004	1/2	134,081	1/2	146,134	1/2	158,145	1/2	169,531	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	122,255	3/4	134,333	3/4	146,384	3/4	158,395	3/4	169,674	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	122,507	5	134,585	5	146,634	5	158,645	5	169,817	5	5	5	5	5	5	5	5	5	5
1/4	122,759	1/4	134,836	1/4	146,885	1/4	158,895	1/4	169,919	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	123,010	1/2	135,088	1/2	147,135	1/2	159,146	1/2	170,020	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	123,262	3/4	135,340	3/4	147,385	3/4	159,396	3/4	170,121	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	123,513	6	135,591	6	147,635	6	159,646	6	170,222	6	6	6	6	6	6	6	6	6	6
1/4	123,765	1/4	135,843	1/4	147,886	1/4	159,896	1/4	170,281	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	124,017	1/2	136,094	1/2	148,136	1/2	160,146	1/2	170,340	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	124,268	3/4	136,346	3/4	148,386	3/4	160,397	3/4	170,399	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	124,520	7	136,598	7	148,636	7	160,647	7	170,459	7	7	7	7	7	7	7	7	7	7
1/4	124,772	1/4	136,849	1/4	148,886	1/4	160,897	1/4	170,476	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	125,023	1/2	137,101	1/2	149,137	1/2	161,147	1/2	170,493	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	125,275	3/4	137,353	3/4	149,387	3/4	161,398	3/4	170,510	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	125,526	8	137,604	8	149,637	8	161,648	8	170,527	8	8	8	8	8	8	8	8	8	8
1/4	125,778	1/4	137,856	1/4	149,887	1/4	161,896	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	126,030	1/2	138,107	1/2	150,138	1/2	162,144	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	126,281	3/4	138,359	3/4	150,388	3/4	162,391	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	126,533	9	138,611	9	150,638	9	162,639	9		9	9	9	9	9	9	9	9	9	9
1/4	126,784	1/4	138,862	1/4	150,888	1/4	162,887	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	127,036	1/2	139,114	1/2	151,138	1/2	163,135	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	127,288	3/4	139,365	3/4	151,389	3/4	163,383	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	127,539	10	139,617	10	151,639	10	163,631	10		10	10	10	10	10	10	10	10	10	10
1/4	127,791	1/4	139,869	1/4	151,889	1/4	163,879	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	128,043	1/2	140,120	1/2	152,139	1/2	164,127	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	128,294	3/4	140,372	3/4	152,390	3/4	164,375	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	128,546	11	140,624	11	152,640	11	164,623	11		11	11	11	11	11	11	11	11	11	11
1/4	128,797	1/4	140,875	1/4	152,890	1/4	164,871	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	129,049	1/2	141,127	1/2	153,140	1/2	165,118	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	129,301	3/4	141,378	3/4	153,390	3/4	165,366	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/06/2013 SW
CALCULATED: 11/06/2013 CL
PRINTED: 11/07/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 1369"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	39	0	8,038	0	18,755	0	29,458	0	40,164	0	50,882	0	61,599	0	72,317	0	83,035	0	93,750
1/4	58	1/4	8,261	1/4	18,978	1/4	29,681	1/4	40,388	1/4	51,105	1/4	61,823	1/4	72,540	1/4	83,258	1/4	93,974
1/2	77	1/2	8,485	1/2	19,202	1/2	29,903	1/2	40,611	1/2	51,328	1/2	62,046	1/2	72,764	1/2	83,481	1/2	94,197
3/4	95	3/4	8,708	3/4	19,425	3/4	30,126	3/4	40,834	3/4	51,552	3/4	62,269	3/4	72,987	3/4	83,704	3/4	94,420
1	114	1	8,931	1	19,648	1	30,348	1	41,057	1	51,775	1	62,493	1	73,210	1	83,928	1	94,643
1/4	170	1/4	9,154	1/4	19,872	1/4	30,571	1/4	41,281	1/4	51,998	1/4	62,716	1/4	73,433	1/4	84,151	1/4	94,867
1/2	225	1/2	9,378	1/2	20,095	1/2	30,794	1/2	41,504	1/2	52,222	1/2	62,939	1/2	73,657	1/2	84,374	1/2	95,090
3/4	281	3/4	9,601	3/4	20,318	3/4	31,016	3/4	41,727	3/4	52,445	3/4	63,162	3/4	73,880	3/4	84,597	3/4	95,313
2	337	2	9,824	2	20,541	2	31,239	2	41,951	2	52,668	2	63,386	2	74,103	2	84,821	2	95,536
1/4	430	1/4	10,048	1/4	20,765	1/4	31,461	1/4	42,174	1/4	52,891	1/4	63,609	1/4	74,327	1/4	85,044	1/4	95,760
1/2	523	1/2	10,271	1/2	20,988	1/2	31,684	1/2	42,397	1/2	53,115	1/2	63,832	1/2	74,550	1/2	85,267	1/2	95,983
3/4	616	3/4	10,494	3/4	21,211	3/4	31,906	3/4	42,620	3/4	53,338	3/4	64,056	3/4	74,773	3/4	85,490	3/4	96,206
3	709	3	10,717	3	21,434	3	32,129	3	42,844	3	53,561	3	64,279	3	74,996	3	85,713	3	96,429
1/4	839	1/4	10,941	1/4	21,658	1/4	32,352	1/4	43,067	1/4	53,785	1/4	64,502	1/4	75,220	1/4	85,937	1/4	96,652
1/2	970	1/2	11,164	1/2	21,881	1/2	32,574	1/2	43,290	1/2	54,008	1/2	64,725	1/2	75,443	1/2	86,160	1/2	96,876
3/4	1,100	3/4	11,387	3/4	22,104	3/4	32,797	3/4	43,514	3/4	54,231	3/4	64,949	3/4	75,666	3/4	86,383	3/4	97,099
4	1,230	4	11,610	4	22,328	4	33,019	4	43,737	4	54,454	4	65,172	4	75,889	4	86,606	4	97,322
1/4	1,397	1/4	11,834	1/4	22,551	1/4	33,242	1/4	43,960	1/4	54,678	1/4	65,395	1/4	76,113	1/4	86,830	1/4	97,545
1/2	1,565	1/2	12,057	1/2	22,774	1/2	33,466	1/2	44,183	1/2	54,901	1/2	65,618	1/2	76,336	1/2	87,053	1/2	97,769
3/4	1,732	3/4	12,280	3/4	22,997	3/4	33,689	3/4	44,407	3/4	55,124	3/4	65,842	3/4	76,559	3/4	87,276	3/4	97,992
5	1,900	5	12,504	5	23,221	5	33,912	5	44,630	5	55,347	5	66,065	5	76,783	5	87,499	5	98,215
1/4	2,104	1/4	12,727	1/4	23,444	1/4	34,136	1/4	44,853	1/4	55,571	1/4	66,288	1/4	77,006	1/4	87,723	1/4	98,438
1/2	2,308	1/2	12,950	1/2	23,667	1/2	34,359	1/2	45,076	1/2	55,794	1/2	66,512	1/2	77,229	1/2	87,946	1/2	98,662
3/4	2,512	3/4	13,173	3/4	23,890	3/4	34,582	3/4	45,300	3/4	56,017	3/4	66,735	3/4	77,452	3/4	88,169	3/4	98,885
6	2,716	6	13,397	6	24,114	6	34,805	6	45,523	6	56,241	6	66,958	6	77,676	6	88,392	6	99,108
1/4	2,935	1/4	13,620	1/4	24,337	1/4	35,029	1/4	45,746	1/4	56,464	1/4	67,181	1/4	77,899	1/4	88,616	1/4	99,331
1/2	3,154	1/2	13,843	1/2	24,560	1/2	35,252	1/2	45,970	1/2	56,687	1/2	67,405	1/2	78,122	1/2	88,839	1/2	99,555
3/4	3,373	3/4	14,066	3/4	24,783	3/4	35,475	3/4	46,193	3/4	56,910	3/4	67,628	3/4	78,346	3/4	89,062	3/4	99,778
7	3,591	7	14,290	7	25,005	7	35,699	7	46,416	7	57,134	7	67,851	7	78,569	7	89,285	7	100,001
1/4	3,812	1/4	14,513	1/4	25,228	1/4	35,922	1/4	46,639	1/4	57,357	1/4	68,075	1/4	78,792	1/4	89,509	1/4	100,224
1/2	4,033	1/2	14,736	1/2	25,451	1/2	36,145	1/2	46,863	1/2	57,580	1/2	68,298	1/2	79,015	1/2	89,732	1/2	100,448
3/4	4,254	3/4	14,960	3/4	25,674	3/4	36,368	3/4	47,086	3/4	57,804	3/4	68,521	3/4	79,239	3/4	89,955	3/4	100,671
8	4,475	8	15,183	8	25,897	8	36,592	8	47,309	8	58,027	8	68,744	8	79,462	8	90,178	8	100,894
1/4	4,696	1/4	15,406	1/4	26,120	1/4	36,815	1/4	47,533	1/4	58,250	1/4	68,968	1/4	79,685	1/4	90,402	1/4	101,117
1/2	4,918	1/2	15,629	1/2	26,342	1/2	37,038	1/2	47,756	1/2	58,473	1/2	69,191	1/2	79,909	1/2	90,625	1/2	101,341
3/4	5,140	3/4	15,853	3/4	26,565	3/4	37,262	3/4	47,979	3/4	58,697	3/4	69,414	3/4	80,132	3/4	90,848	3/4	101,564
9	5,362	9	16,076	9	26,787	9	37,485	9	48,202	9	58,920	9	69,638	9	80,355	9	91,071	9	101,787
1/4	5,585	1/4	16,299	1/4	27,010	1/4	37,708	1/4	48,426	1/4	59,143	1/4	69,861	1/4	80,578	1/4	91,295	1/4	102,010
1/2	5,807	1/2	16,522	1/2	27,233	1/2	37,931	1/2	48,649	1/2	59,367	1/2	70,084	1/2	80,802	1/2	91,518	1/2	102,234
3/4	6,030	3/4	16,746	3/4	27,455	3/4	38,155	3/4	48,872	3/4	59,590	3/4	70,307	3/4	81,025	3/4	91,741	3/4	102,457
10	6,253	10	16,969	10	27,678	10	38,378	10	49,096	10	59,813	10	70,531	10	81,248	10	91,964	10	102,680
1/4	6,476	1/4	17,192	1/4	27,900	1/4	38,601	1/4	49,319	1/4	60,036	1/4	70,754	1/4	81,472	1/4	92,188	1/4	102,903
1/2	6,699	1/2	17,416	1/2	28,123	1/2	38,825	1/2	49,542	1/2	60,260	1/2	70,977	1/2	81,695	1/2	92,411	1/2	103,127
3/4	6,922	3/4	17,639	3/4	28,345	3/4	39,048	3/4	49,765	3/4	60,483	3/4	71,201	3/4	81,918	3/4	92,634	3/4	103,350
11	7,145	11	17,862	11	28,568	11	39,271	11	49,989	11	60,706	11	71,424	11	82,141	11	92,857	11	103,573
1/4	7,368	1/4	18,085	1/4	28,790	1/4	39,494	1/4	50,212	1/4	60,930	1/4	71,647	1/4	82,365	1/4	93,081	1/4	103,796
1/2	7,592	1/2	18,309	1/2	29,013	1/2	39,718	1/2	50,435	1/2	61,153	1/2	71,870	1/2	82,588	1/2	93,304	1/2	104,020
3/4	7,815	3/4	18,532	3/4	29,236	3/4	39,941	3/4	50,659	3/4	61,376	3/4	72,094	3/4	82,811	3/4	93,527	3/4	104,243

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 23'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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Pearland, Texas 77588

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BARGE "CBC 1369"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	104,466	0	115,182	0	125,898	0	136,555	0	147,179	0		0		0		0		0	
1/4	104,689	1/4	115,405	1/4	126,120	1/4	136,777	1/4	147,399	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	104,913	1/2	115,628	1/2	126,342	1/2	136,999	1/2	147,619	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	105,136	3/4	115,852	3/4	126,564	3/4	137,221	3/4	147,839	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	105,359	1	116,075	1	126,786	1	137,443	1	148,059	1	1	1	1	1	1	1	1	1	1
1/4	105,582	1/4	116,298	1/4	127,008	1/4	137,665	1/4	148,279	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	105,806	1/2	116,521	1/2	127,230	1/2	137,887	1/2	148,499	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	106,029	3/4	116,745	3/4	127,452	3/4	138,109	3/4	148,719	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	106,252	2	116,968	2	127,674	2	138,331	2	148,938	2	2	2	2	2	2	2	2	2	2
1/4	106,475	1/4	117,191	1/4	127,896	1/4	138,553	1/4	149,140	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	106,699	1/2	117,414	1/2	128,118	1/2	138,775	1/2	149,341	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	106,922	3/4	117,638	3/4	128,340	3/4	138,997	3/4	149,543	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	107,145	3	117,861	3	128,562	3	139,219	3	149,744	3	3	3	3	3	3	3	3	3	3
1/4	107,368	1/4	118,084	1/4	128,784	1/4	139,441	1/4	149,908	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	107,591	1/2	118,307	1/2	129,006	1/2	139,663	1/2	150,072	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	107,815	3/4	118,530	3/4	129,228	3/4	139,885	3/4	150,236	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	108,038	4	118,754	4	129,450	4	140,107	4	150,401	4	4	4	4	4	4	4	4	4	4
1/4	108,261	1/4	118,977	1/4	129,672	1/4	140,329	1/4	150,527	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	108,484	1/2	119,200	1/2	129,894	1/2	140,551	1/2	150,654	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	108,708	3/4	119,423	3/4	130,116	3/4	140,773	3/4	150,781	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	108,931	5	119,647	5	130,338	5	140,995	5	150,908	5	5	5	5	5	5	5	5	5	5
1/4	109,154	1/4	119,870	1/4	130,560	1/4	141,217	1/4	150,998	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	109,377	1/2	120,093	1/2	130,782	1/2	141,439	1/2	151,088	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	109,601	3/4	120,316	3/4	131,004	3/4	141,661	3/4	151,177	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	109,824	6	120,540	6	131,226	6	141,883	6	151,267	6	6	6	6	6	6	6	6	6	6
1/4	110,047	1/4	120,763	1/4	131,448	1/4	142,105	1/4	151,320	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	110,270	1/2	120,986	1/2	131,670	1/2	142,327	1/2	151,372	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	110,494	3/4	121,209	3/4	131,892	3/4	142,549	3/4	151,425	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	110,717	7	121,433	7	132,114	7	142,771	7	151,477	7	7	7	7	7	7	7	7	7	7
1/4	110,940	1/4	121,656	1/4	132,336	1/4	142,993	1/4	151,492	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	111,163	1/2	121,879	1/2	132,558	1/2	143,215	1/2	151,508	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	111,387	3/4	122,102	3/4	132,780	3/4	143,437	3/4	151,523	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	111,610	8	122,326	8	133,002	8	143,659	8	151,538	8	8	8	8	8	8	8	8	8	8
1/4	111,833	1/4	122,549	1/4	133,224	1/4	143,879	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	112,056	1/2	122,772	1/2	133,446	1/2	144,099	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	112,280	3/4	122,995	3/4	133,668	3/4	144,319	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	112,503	9	123,219	9	133,890	9	144,539	9		9	9	9	9	9	9	9	9	9	9
1/4	112,726	1/4	123,442	1/4	134,112	1/4	144,759	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	112,949	1/2	123,665	1/2	134,334	1/2	144,979	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	113,173	3/4	123,888	3/4	134,556	3/4	145,199	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	113,396	10	124,112	10	134,778	10	145,419	10		10	10	10	10	10	10	10	10	10	10
1/4	113,619	1/4	124,335	1/4	135,000	1/4	145,639	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	113,842	1/2	124,558	1/2	135,222	1/2	145,859	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	114,066	3/4	124,781	3/4	135,444	3/4	146,079	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	114,289	11	125,005	11	135,666	11	146,299	11		11	11	11	11	11	11	11	11	11	11
1/4	114,512	1/4	125,228	1/4	135,888	1/4	146,519	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	114,735	1/2	125,451	1/2	136,111	1/2	146,739	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	114,959	3/4	125,674	3/4	136,333	3/4	146,959	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/06/2013 SW
CALCULATED: 11/06/2013 CL
PRINTED: 11/07/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2013

PRECISION MEASUREMENT
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BARGE "CBC 1369"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>										
1 CENTER	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8
2 CENTER	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
3 CENTER	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-3/4	00-3/4	- 00-7/8	00-7/8	- 01-1/8	01-1/8	- 01-3/8	01-3/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 161'-09"

November 6, 2013

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

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 Pearland, Texas 77588

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BARGE "CBC 1369"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0		0	140,588	0	131,168	0	121,732	0	112,274	0	101,815	0	91,049	0	80,283		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	140,394	1/4	130,972	1/4	121,535	1/4	112,077	1/4	101,591	1/4	90,825	1/4	80,058		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	140,199	1/2	130,776	1/2	121,338	1/2	111,880	1/2	101,367	1/2	90,601	1/2	79,834		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	147,307	3/4	140,005	3/4	130,580	3/4	121,141	3/4	111,683	3/4	101,142	3/4	90,376	3/4	79,610
1		1		1		1	147,291	1	139,808	1	130,384	1	120,944	1	111,486	1	100,918	1	90,152	1	79,385
1/4	1/4	1/4	1/4	1/4	1/4	1/4	147,275	1/4	139,612	1/4	130,188	1/4	120,747	1/4	111,289	1/4	100,694	1/4	89,928	1/4	79,161
1/2	1/2	1/2	1/2	1/2	1/2	1/2	147,259	1/2	139,415	1/2	129,992	1/2	120,550	1/2	111,092	1/2	100,469	1/2	89,703	1/2	78,937
3/4	3/4	3/4	3/4	3/4	3/4	3/4	147,243	3/4	139,218	3/4	129,796	3/4	120,352	3/4	110,895	3/4	100,245	3/4	89,479	3/4	78,712
2		2		2		2	147,189	2	139,022	2	129,600	2	120,155	2	110,699	2	100,021	2	89,255	2	78,488
1/4	1/4	1/4	1/4	1/4	1/4	1/4	147,136	1/4	138,825	1/4	129,405	1/4	119,958	1/4	110,502	1/4	99,796	1/4	89,030	1/4	78,264
1/2	1/2	1/2	1/2	1/2	1/2	1/2	147,082	1/2	138,629	1/2	129,209	1/2	119,761	1/2	110,305	1/2	99,572	1/2	88,806	1/2	78,039
3/4	3/4	3/4	3/4	3/4	3/4	3/4	147,029	3/4	138,432	3/4	129,013	3/4	119,564	3/4	110,108	3/4	99,348	3/4	88,582	3/4	77,815
3		3		3		3	146,938	3	138,235	3	128,816	3	119,367	3	109,884	3	99,124	3	88,358	3	77,591
1/4	1/4	1/4	1/4	1/4	1/4	1/4	146,847	1/4	138,039	1/4	128,620	1/4	119,170	1/4	109,660	1/4	98,899	1/4	88,133	1/4	77,366
1/2	1/2	1/2	1/2	1/2	1/2	1/2	146,756	1/2	137,842	1/2	128,423	1/2	118,973	1/2	109,436	1/2	98,675	1/2	87,909	1/2	77,142
3/4	3/4	3/4	3/4	3/4	3/4	3/4	146,665	3/4	137,646	3/4	128,226	3/4	118,776	3/4	109,212	3/4	98,451	3/4	87,685	3/4	76,918
4		4		4		4	146,536	4	137,449	4	128,030	4	118,578	4	108,988	4	98,226	4	87,460	4	76,694
1/4	1/4	1/4	1/4	1/4	1/4	1/4	146,408	1/4	137,253	1/4	127,833	1/4	118,381	1/4	108,764	1/4	98,002	1/4	87,236	1/4	76,471
1/2	1/2	1/2	1/2	1/2	1/2	1/2	146,279	1/2	137,056	1/2	127,637	1/2	118,184	1/2	108,540	1/2	97,778	1/2	87,012	1/2	76,247
3/4	3/4	3/4	3/4	3/4	3/4	3/4	146,151	3/4	136,859	3/4	127,440	3/4	117,987	3/4	108,316	3/4	97,554	3/4	86,788	3/4	76,024
5		5		5		5	145,985	5	136,663	5	127,244	5	117,790	5	108,092	5	97,329	5	86,563	5	75,801
1/4	1/4	1/4	1/4	1/4	1/4	1/4	145,819	1/4	136,466	1/4	127,047	1/4	117,593	1/4	107,867	1/4	97,105	1/4	86,339	1/4	75,578
1/2	1/2	1/2	1/2	1/2	1/2	1/2	145,653	1/2	136,270	1/2	126,850	1/2	117,396	1/2	107,643	1/2	96,881	1/2	86,115	1/2	75,355
3/4	3/4	3/4	3/4	3/4	3/4	3/4	145,487	3/4	136,073	3/4	126,654	3/4	117,199	3/4	107,419	3/4	96,656	3/4	85,890	3/4	75,132
6		6		6		6	145,283	6	135,876	6	126,457	6	117,002	6	107,195	6	96,432	6	85,666	6	74,909
1/4	1/4	1/4	1/4	1/4	1/4	1/4	145,080	1/4	135,680	1/4	126,261	1/4	116,804	1/4	106,971	1/4	96,208	1/4	85,442	1/4	74,686
1/2	1/2	1/2	1/2	1/2	1/2	1/2	144,877	1/2	135,483	1/2	126,064	1/2	116,607	1/2	106,747	1/2	95,984	1/2	85,218	1/2	74,463
3/4	3/4	3/4	3/4	3/4	3/4	3/4	144,673	3/4	135,287	3/4	125,867	3/4	116,410	3/4	106,523	3/4	95,759	3/4	84,993	3/4	74,241
7		7		7		7	144,479	7	135,090	7	125,671	7	116,213	7	106,299	7	95,535	7	84,769	7	74,018
1/4	1/4	1/4	1/4	1/4	1/4	1/4	144,284	1/4	134,894	1/4	125,474	1/4	116,016	1/4	106,075	1/4	95,311	1/4	84,545	1/4	73,795
1/2	1/2	1/2	1/2	1/2	1/2	1/2	144,090	1/2	134,697	1/2	125,278	1/2	115,819	1/2	105,851	1/2	95,086	1/2	84,320	1/2	73,572
3/4	3/4	3/4	3/4	3/4	3/4	3/4	143,895	3/4	134,500	3/4	125,081	3/4	115,622	3/4	105,627	3/4	94,862	3/4	84,096	3/4	73,349
8		8		8		8	143,701	8	134,304	8	124,884	8	115,425	8	105,403	8	94,638	8	83,872	8	73,126
1/4	1/4	1/4	1/4	1/4	1/4	1/4	143,506	1/4	134,107	1/4	124,688	1/4	115,228	1/4	105,179	1/4	94,413	1/4	83,647	1/4	72,903
1/2	1/2	1/2	1/2	1/2	1/2	1/2	143,312	1/2	133,911	1/2	124,491	1/2	115,030	1/2	104,955	1/2	94,189	1/2	83,423	1/2	72,680
3/4	3/4	3/4	3/4	3/4	3/4	3/4	143,117	3/4	133,714	3/4	124,295	3/4	114,833	3/4	104,731	3/4	93,965	3/4	83,199	3/4	72,458
9		9		9		9	142,922	9	133,518	9	124,098	9	114,636	9	104,507	9	93,741	9	82,975	9	72,235
1/4	1/4	1/4	1/4	1/4	1/4	1/4	142,728	1/4	133,322	1/4	123,900	1/4	114,440	1/4	104,282	1/4	93,516	1/4	82,750	1/4	72,012
1/2	1/2	1/2	1/2	1/2	1/2	1/2	142,533	1/2	133,126	1/2	123,703	1/2	114,243	1/2	104,058	1/2	93,292	1/2	82,526	1/2	71,789
3/4	3/4	3/4	3/4	3/4	3/4	3/4	142,339	3/4	132,930	3/4	123,506	3/4	114,046	3/4	103,834	3/4	93,068	3/4	82,302	3/4	71,566
10		10		10		10	142,144	10	132,735	10	123,309	10	113,849	10	103,609	10	92,843	10	82,077	10	71,343
1/4	1/4	1/4	1/4	1/4	1/4	1/4	141,950	1/4	132,539	1/4	123,112	1/4	113,652	1/4	103,385	1/4	92,619	1/4	81,853	1/4	71,120
1/2	1/2	1/2	1/2	1/2	1/2	1/2	141,755	1/2	132,343	1/2	122,915	1/2	113,455	1/2	103,161	1/2	92,395	1/2	81,629	1/2	70,897
3/4	3/4	3/4	3/4	3/4	3/4	3/4	141,561	3/4	132,147	3/4	122,718	3/4	113,258	3/4	102,937	3/4	92,171	3/4	81,404	3/4	70,675
11		11		11		11	141,366	11	131,951	11	122,521	11	113,061	11	102,712	11	91,946	11	81,180	11	70,452
1/4	1/4	1/4	1/4	1/4	1/4	1/4	141,172	1/4	131,755	1/4	122,324	1/4	112,864	1/4	102,488	1/4	91,722	1/4	80,956	1/4	70,229
1/2	1/2	1/2	1/2	1/2	1/2	1/2	140,977	1/2	131,559	1/2	122,126	1/2	112,668	1/2	102,264	1/2	91,498	1/2	80,731	1/2	70,006
3/4	3/4	3/4	3/4	3/4	3/4	3/4	140,783	3/4	131,363	3/4	121,929	3/4	112,471	3/4	102,039	3/4	91,273	3/4	80,507	3/4	69,783

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 26'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 1369"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	69,559	0	58,803	0	48,041	0	37,278	0	26,684	0	15,960	0	5,175	0		0		0	
1/4	69,336	1/4	58,579	1/4	47,816	1/4	37,054	1/4	26,465	1/4	15,736	1/4	4,951	1/4	1/4	1/4	1/4	1/4	1/4
1/2	69,112	1/2	58,355	1/2	47,592	1/2	36,829	1/2	26,247	1/2	15,511	1/2	4,728	1/2	1/2	1/2	1/2	1/2	1/2
3/4	68,889	3/4	58,131	3/4	47,368	3/4	36,605	3/4	26,029	3/4	15,286	3/4	4,504	3/4	3/4	3/4	3/4	3/4	3/4
1	68,665	1	57,906	1	47,144	1	36,381	1	25,810	1	15,061	1	4,282	1	1	1	1	1	1
1/4	68,441	1/4	57,682	1/4	46,919	1/4	36,157	1/4	25,591	1/4	14,836	1/4	4,060	1/4	1/4	1/4	1/4	1/4	1/4
1/2	68,218	1/2	57,458	1/2	46,695	1/2	35,933	1/2	25,372	1/2	14,612	1/2	3,837	1/2	1/2	1/2	1/2	1/2	1/2
3/4	67,994	3/4	57,234	3/4	46,471	3/4	35,708	3/4	25,153	3/4	14,387	3/4	3,615	3/4	3/4	3/4	3/4	3/4	3/4
2	67,770	2	57,009	2	46,247	2	35,484	2	24,935	2	14,162	2	3,395	2	2	2	2	2	2
1/4	67,547	1/4	56,785	1/4	46,023	1/4	35,260	1/4	24,716	1/4	13,937	1/4	3,175	1/4	1/4	1/4	1/4	1/4	1/4
1/2	67,323	1/2	56,561	1/2	45,798	1/2	35,036	1/2	24,497	1/2	13,712	1/2	2,954	1/2	1/2	1/2	1/2	1/2	1/2
3/4	67,099	3/4	56,337	3/4	45,574	3/4	34,811	3/4	24,278	3/4	13,488	3/4	2,734	3/4	3/4	3/4	3/4	3/4	3/4
3	66,875	3	56,113	3	45,350	3	34,587	3	24,053	3	13,263	3	2,528	3	3	3	3	3	3
1/4	66,651	1/4	55,888	1/4	45,126	1/4	34,363	1/4	23,829	1/4	13,038	1/4	2,323	1/4	1/4	1/4	1/4	1/4	1/4
1/2	66,427	1/2	55,664	1/2	44,901	1/2	34,139	1/2	23,604	1/2	12,813	1/2	2,117	1/2	1/2	1/2	1/2	1/2	1/2
3/4	66,203	3/4	55,440	3/4	44,677	3/4	33,915	3/4	23,379	3/4	12,588	3/4	1,912	3/4	3/4	3/4	3/4	3/4	3/4
4	65,978	4	55,216	4	44,453	4	33,690	4	23,154	4	12,364	4	1,743	4	4	4	4	4	4
1/4	65,754	1/4	54,991	1/4	44,229	1/4	33,466	1/4	22,929	1/4	12,139	1/4	1,575	1/4	1/4	1/4	1/4	1/4	1/4
1/2	65,530	1/2	54,767	1/2	44,005	1/2	33,242	1/2	22,705	1/2	11,914	1/2	1,406	1/2	1/2	1/2	1/2	1/2	1/2
3/4	65,306	3/4	54,543	3/4	43,780	3/4	33,018	3/4	22,480	3/4	11,689	3/4	1,238	3/4	3/4	3/4	3/4	3/4	3/4
5	65,081	5	54,319	5	43,556	5	32,799	5	22,255	5	11,464	5	1,107	5	5	5	5	5	5
1/4	64,857	1/4	54,095	1/4	43,332	1/4	32,581	1/4	22,030	1/4	11,240	1/4	976	1/4	1/4	1/4	1/4	1/4	1/4
1/2	64,633	1/2	53,870	1/2	43,108	1/2	32,362	1/2	21,805	1/2	11,015	1/2	844	1/2	1/2	1/2	1/2	1/2	1/2
3/4	64,409	3/4	53,646	3/4	42,883	3/4	32,144	3/4	21,581	3/4	10,790	3/4	713	3/4	3/4	3/4	3/4	3/4	3/4
6	64,185	6	53,422	6	42,659	6	31,926	6	21,356	6	10,565	6	620	6	6	6	6	6	6
1/4	63,960	1/4	53,198	1/4	42,435	1/4	31,707	1/4	21,131	1/4	10,340	1/4	526	1/4	1/4	1/4	1/4	1/4	1/4
1/2	63,736	1/2	52,973	1/2	42,211	1/2	31,489	1/2	20,906	1/2	10,116	1/2	432	1/2	1/2	1/2	1/2	1/2	1/2
3/4	63,512	3/4	52,749	3/4	41,987	3/4	31,270	3/4	20,681	3/4	9,891	3/4	339	3/4	3/4	3/4	3/4	3/4	3/4
7	63,288	7	52,525	7	41,762	7	31,052	7	20,457	7	9,666	7	283	7	7	7	7	7	7
1/4	63,063	1/4	52,301	1/4	41,538	1/4	30,834	1/4	20,232	1/4	9,441	1/4	226	1/4	1/4	1/4	1/4	1/4	1/4
1/2	62,839	1/2	52,077	1/2	41,314	1/2	30,615	1/2	20,007	1/2	9,216	1/2	170	1/2	1/2	1/2	1/2	1/2	1/2
3/4	62,615	3/4	51,852	3/4	41,090	3/4	30,397	3/4	19,782	3/4	8,991	3/4	114	3/4	3/4	3/4	3/4	3/4	3/4
8	62,391	8	51,628	8	40,865	8	30,178	8	19,557	8	8,767	8	95	8	8	8	8	8	8
1/4	62,167	1/4	51,404	1/4	40,641	1/4	29,960	1/4	19,332	1/4	8,542	1/4	76	1/4	1/4	1/4	1/4	1/4	1/4
1/2	61,942	1/2	51,180	1/2	40,417	1/2	29,741	1/2	19,108	1/2	8,317	1/2	58	1/2	1/2	1/2	1/2	1/2	1/2
3/4	61,718	3/4	50,955	3/4	40,193	3/4	29,523	3/4	18,883	3/4	8,092	3/4	39	3/4	3/4	3/4	3/4	3/4	3/4
9	61,494	9	50,731	9	39,969	9	29,305	9	18,658	9	7,867	9		9	9	9	9	9	9
1/4	61,270	1/4	50,507	1/4	39,744	1/4	29,086	1/4	18,433	1/4	7,643	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	61,045	1/2	50,283	1/2	39,520	1/2	28,868	1/2	18,208	1/2	7,418	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	60,821	3/4	50,059	3/4	39,296	3/4	28,649	3/4	17,984	3/4	7,193	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	60,597	10	49,834	10	39,072	10	28,431	10	17,759	10	6,969	10		10	10	10	10	10	10
1/4	60,373	1/4	49,610	1/4	38,847	1/4	28,213	1/4	17,534	1/4	6,744	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	60,149	1/2	49,386	1/2	38,623	1/2	27,994	1/2	17,309	1/2	6,519	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	59,924	3/4	49,162	3/4	38,399	3/4	27,776	3/4	17,084	3/4	6,295	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	59,700	11	48,937	11	38,175	11	27,557	11	16,860	11	6,071	11		11	11	11	11	11	11
1/4	59,476	1/4	48,713	1/4	37,951	1/4	27,339	1/4	16,635	1/4	5,846	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	59,252	1/2	48,489	1/2	37,726	1/2	27,121	1/2	16,410	1/2	5,622	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	59,027	3/4	48,265	3/4	37,502	3/4	26,902	3/4	16,185	3/4	5,398	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/06/2013 SW
CALCULATED: 11/06/2013 CL
PRINTED: 11/07/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
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BARGE "CBC 1369"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	162,639	0	150,638	0	138,610	0	126,532	0	114,455	0	102,377	0	90,299
1/4	1/4	1/4	1/4	1/4	1/4	1/4	162,391	1/4	150,387	1/4	138,359	1/4	126,281	1/4	114,203	1/4	102,125	1/4	90,047
1/2	1/2	1/2	1/2	1/2	1/2	1/2	162,143	1/2	150,137	1/2	138,107	1/2	126,029	1/2	113,951	1/2	101,874	1/2	89,795
3/4	3/4	3/4	3/4	3/4	3/4	3/4	161,895	3/4	149,887	3/4	137,855	3/4	125,778	3/4	113,700	3/4	101,622	3/4	89,544
1		1		1	170,527	1	161,647	1	149,637	1	137,604	1	125,526	1	113,448	1	101,370	1	89,292
1/4	1/4	1/4	1/4	1/4	170,510	1/4	161,397	1/4	149,387	1/4	137,352	1/4	125,274	1/4	113,197	1/4	101,119	1/4	89,040
1/2	1/2	1/2	1/2	1/2	170,493	1/2	161,147	1/2	149,136	1/2	137,101	1/2	125,023	1/2	112,945	1/2	100,867	1/2	88,789
3/4	3/4	3/4	3/4	3/4	170,475	3/4	160,897	3/4	148,886	3/4	136,849	3/4	124,771	3/4	112,693	3/4	100,616	3/4	88,537
2		2		2	170,458	2	160,646	2	148,636	2	136,597	2	124,520	2	112,442	2	100,364	2	88,285
1/4	1/4	1/4	1/4	1/4	170,399	1/4	160,396	1/4	148,386	1/4	136,346	1/4	124,268	1/4	112,190	1/4	100,112	1/4	88,034
1/2	1/2	1/2	1/2	1/2	170,340	1/2	160,146	1/2	148,135	1/2	136,094	1/2	124,016	1/2	111,939	1/2	99,861	1/2	87,782
3/4	3/4	3/4	3/4	3/4	170,281	3/4	159,896	3/4	147,885	3/4	135,842	3/4	123,765	3/4	111,687	3/4	99,609	3/4	87,530
3		3		3	170,221	3	159,646	3	147,635	3	135,591	3	123,513	3	111,435	3	99,358	3	87,279
1/4	1/4	1/4	1/4	1/4	170,120	1/4	159,395	1/4	147,385	1/4	135,339	1/4	123,261	1/4	111,184	1/4	99,106	1/4	87,027
1/2	1/2	1/2	1/2	1/2	170,019	1/2	159,145	1/2	147,135	1/2	135,088	1/2	123,010	1/2	110,932	1/2	98,854	1/2	86,775
3/4	3/4	3/4	3/4	3/4	169,918	3/4	158,895	3/4	146,884	3/4	134,836	3/4	122,758	3/4	110,680	3/4	98,603	3/4	86,524
4		4		4	169,817	4	158,645	4	146,634	4	134,584	4	122,507	4	110,429	4	98,351	4	86,272
1/4	1/4	1/4	1/4	1/4	169,674	1/4	158,394	1/4	146,384	1/4	134,333	1/4	122,255	1/4	110,177	1/4	98,099	1/4	86,020
1/2	1/2	1/2	1/2	1/2	169,531	1/2	158,144	1/2	146,134	1/2	134,081	1/2	122,003	1/2	109,926	1/2	97,848	1/2	85,769
3/4	3/4	3/4	3/4	3/4	169,388	3/4	157,894	3/4	145,883	3/4	133,829	3/4	121,752	3/4	109,674	3/4	97,596	3/4	85,517
5		5		5	169,245	5	157,644	5	145,633	5	133,578	5	121,500	5	109,422	5	97,345	5	85,265
1/4	1/4	1/4	1/4	1/4	169,060	1/4	157,394	1/4	145,383	1/4	133,326	1/4	121,248	1/4	109,171	1/4	97,093	1/4	85,014
1/2	1/2	1/2	1/2	1/2	168,875	1/2	157,143	1/2	145,133	1/2	133,075	1/2	120,997	1/2	108,919	1/2	96,841	1/2	84,762
3/4	3/4	3/4	3/4	3/4	168,690	3/4	156,893	3/4	144,883	3/4	132,823	3/4	120,745	3/4	108,667	3/4	96,590	3/4	84,510
6		6		6	168,505	6	156,643	6	144,632	6	132,571	6	120,494	6	108,416	6	96,338	6	84,259
1/4	1/4	1/4	1/4	1/4	168,278	1/4	156,393	1/4	144,382	1/4	132,320	1/4	120,242	1/4	108,164	1/4	96,086	1/4	84,007
1/2	1/2	1/2	1/2	1/2	168,051	1/2	156,142	1/2	144,132	1/2	132,068	1/2	119,990	1/2	107,913	1/2	95,835	1/2	83,755
3/4	3/4	3/4	3/4	3/4	167,824	3/4	155,892	3/4	143,882	3/4	131,816	3/4	119,739	3/4	107,661	3/4	95,583	3/4	83,504
7		7		7	167,597	7	155,642	7	143,631	7	131,565	7	119,487	7	107,409	7	95,332	7	83,252
1/4	1/4	1/4	1/4	1/4	167,349	1/4	155,392	1/4	143,381	1/4	131,313	1/4	119,235	1/4	107,158	1/4	95,080	1/4	83,000
1/2	1/2	1/2	1/2	1/2	167,101	1/2	155,142	1/2	143,131	1/2	131,062	1/2	118,984	1/2	106,906	1/2	94,828	1/2	82,749
3/4	3/4	3/4	3/4	3/4	166,853	3/4	154,891	3/4	142,881	3/4	130,810	3/4	118,732	3/4	106,655	3/4	94,577	3/4	82,497
8		8		8	166,606	8	154,641	8	142,631	8	130,558	8	118,481	8	106,403	8	94,325	8	82,245
1/4	1/4	1/4	1/4	1/4	166,358	1/4	154,391	1/4	142,380	1/4	130,307	1/4	118,229	1/4	106,151	1/4	94,074	1/4	81,994
1/2	1/2	1/2	1/2	1/2	166,110	1/2	154,141	1/2	142,130	1/2	130,055	1/2	117,977	1/2	105,900	1/2	93,822	1/2	81,742
3/4	3/4	3/4	3/4	3/4	165,862	3/4	153,890	3/4	141,880	3/4	129,804	3/4	117,726	3/4	105,648	3/4	93,570	3/4	81,490
9		9		9	165,614	9	153,640	9	141,630	9	129,552	9	117,474	9	105,396	9	93,319	9	81,239
1/4	1/4	1/4	1/4	1/4	165,366	1/4	153,390	1/4	141,378	1/4	129,300	1/4	117,223	1/4	105,145	1/4	93,067	1/4	80,987
1/2	1/2	1/2	1/2	1/2	165,118	1/2	153,140	1/2	141,126	1/2	129,049	1/2	116,971	1/2	104,893	1/2	92,815	1/2	80,735
3/4	3/4	3/4	3/4	3/4	164,870	3/4	152,890	3/4	140,875	3/4	128,797	3/4	116,719	3/4	104,642	3/4	92,564	3/4	80,484
10		10		10	164,622	10	152,639	10	140,623	10	128,545	10	116,468	10	104,390	10	92,312	10	80,232
1/4	1/4	1/4	1/4	1/4	164,374	1/4	152,389	1/4	140,372	1/4	128,294	1/4	116,216	1/4	104,138	1/4	92,060	1/4	79,981
1/2	1/2	1/2	1/2	1/2	164,126	1/2	152,139	1/2	140,120	1/2	128,042	1/2	115,964	1/2	103,887	1/2	91,809	1/2	79,729
3/4	3/4	3/4	3/4	3/4	163,879	3/4	151,889	3/4	139,868	3/4	127,791	3/4	115,713	3/4	103,635	3/4	91,557	3/4	79,477
11		11		11	163,631	11	151,639	11	139,617	11	127,539	11	115,461	11	103,383	11	91,305	11	79,226
1/4	1/4	1/4	1/4	1/4	163,383	1/4	151,388	1/4	139,365	1/4	127,287	1/4	115,210	1/4	103,132	1/4	91,054	1/4	78,974
1/2	1/2	1/2	1/2	1/2	163,135	1/2	151,138	1/2	139,113	1/2	127,036	1/2	114,958	1/2	102,880	1/2	90,802	1/2	78,722
3/4	3/4	3/4	3/4	3/4	162,887	3/4	150,888	3/4	138,862	3/4	126,784	3/4	114,706	3/4	102,629	3/4	90,550	3/4	78,471

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 30'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 1369"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09"

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	78,219	0	66,139	0	54,059	0	41,979	0	30,136	0	18,114	0	6,038	0		0		0	
1/4	77,967	1/4	65,887	1/4	53,808	1/4	41,728	1/4	29,891	1/4	17,862	1/4	5,788	1/4	1/4	1/4	1/4	1/4	1/4
1/2	77,716	1/2	65,636	1/2	53,556	1/2	41,476	1/2	29,647	1/2	17,611	1/2	5,538	1/2	1/2	1/2	1/2	1/2	1/2
3/4	77,464	3/4	65,384	3/4	53,304	3/4	41,224	3/4	29,403	3/4	17,359	3/4	5,288	3/4	3/4	3/4	3/4	3/4	3/4
1	77,212	1	65,132	1	53,053	1	40,973	1	29,159	1	17,107	1	5,038	1	1	1	1	1	1
1/4	76,961	1/4	64,881	1/4	52,801	1/4	40,721	1/4	28,914	1/4	16,856	1/4	4,789	1/4	1/4	1/4	1/4	1/4	1/4
1/2	76,709	1/2	64,629	1/2	52,549	1/2	40,469	1/2	28,669	1/2	16,604	1/2	4,540	1/2	1/2	1/2	1/2	1/2	1/2
3/4	76,457	3/4	64,377	3/4	52,298	3/4	40,218	3/4	28,425	3/4	16,352	3/4	4,291	3/4	3/4	3/4	3/4	3/4	3/4
2	76,206	2	64,126	2	52,046	2	39,966	2	28,180	2	16,101	2	4,043	2	2	2	2	2	2
1/4	75,954	1/4	63,874	1/4	51,794	1/4	39,714	1/4	27,928	1/4	15,849	1/4	3,796	1/4	1/4	1/4	1/4	1/4	1/4
1/2	75,702	1/2	63,622	1/2	51,543	1/2	39,463	1/2	27,677	1/2	15,597	1/2	3,549	1/2	1/2	1/2	1/2	1/2	1/2
3/4	75,451	3/4	63,371	3/4	51,291	3/4	39,211	3/4	27,425	3/4	15,346	3/4	3,303	3/4	3/4	3/4	3/4	3/4	3/4
3	75,199	3	63,119	3	51,039	3	38,959	3	27,174	3	15,094	3	3,056	3	3	3	3	3	3
1/4	74,947	1/4	62,867	1/4	50,788	1/4	38,708	1/4	26,922	1/4	14,842	1/4	2,826	1/4	1/4	1/4	1/4	1/4	1/4
1/2	74,696	1/2	62,616	1/2	50,536	1/2	38,456	1/2	26,670	1/2	14,591	1/2	2,596	1/2	1/2	1/2	1/2	1/2	1/2
3/4	74,444	3/4	62,364	3/4	50,284	3/4	38,204	3/4	26,419	3/4	14,339	3/4	2,366	3/4	3/4	3/4	3/4	3/4	3/4
4	74,192	4	62,112	4	50,033	4	37,953	4	26,167	4	14,088	4	2,136	4	4	4	4	4	4
1/4	73,941	1/4	61,861	1/4	49,781	1/4	37,708	1/4	25,915	1/4	13,836	1/4	1,947	1/4	1/4	1/4	1/4	1/4	1/4
1/2	73,689	1/2	61,609	1/2	49,529	1/2	37,464	1/2	25,664	1/2	13,584	1/2	1,758	1/2	1/2	1/2	1/2	1/2	1/2
3/4	73,437	3/4	61,357	3/4	49,278	3/4	37,219	3/4	25,412	3/4	13,333	3/4	1,570	3/4	3/4	3/4	3/4	3/4	3/4
5	73,186	5	61,106	5	49,026	5	36,974	5	25,160	5	13,081	5	1,381	5	5	5	5	5	5
1/4	72,934	1/4	60,854	1/4	48,774	1/4	36,730	1/4	24,909	1/4	12,829	1/4	1,234	1/4	1/4	1/4	1/4	1/4	1/4
1/2	72,682	1/2	60,602	1/2	48,523	1/2	36,486	1/2	24,657	1/2	12,578	1/2	1,087	1/2	1/2	1/2	1/2	1/2	1/2
3/4	72,431	3/4	60,351	3/4	48,271	3/4	36,242	3/4	24,405	3/4	12,326	3/4	941	3/4	3/4	3/4	3/4	3/4	3/4
6	72,179	6	60,099	6	48,019	6	35,997	6	24,154	6	12,074	6	794	6	6	6	6	6	6
1/4	71,927	1/4	59,847	1/4	47,768	1/4	35,753	1/4	23,902	1/4	11,823	1/4	689	1/4	1/4	1/4	1/4	1/4	1/4
1/2	71,676	1/2	59,596	1/2	47,516	1/2	35,509	1/2	23,650	1/2	11,571	1/2	584	1/2	1/2	1/2	1/2	1/2	1/2
3/4	71,424	3/4	59,344	3/4	47,264	3/4	35,265	3/4	23,399	3/4	11,319	3/4	479	3/4	3/4	3/4	3/4	3/4	3/4
7	71,172	7	59,092	7	47,013	7	35,020	7	23,147	7	11,068	7	374	7	7	7	7	7	7
1/4	70,921	1/4	58,841	1/4	46,761	1/4	34,776	1/4	22,895	1/4	10,816	1/4	311	1/4	1/4	1/4	1/4	1/4	1/4
1/2	70,669	1/2	58,589	1/2	46,509	1/2	34,532	1/2	22,644	1/2	10,564	1/2	249	1/2	1/2	1/2	1/2	1/2	1/2
3/4	70,417	3/4	58,337	3/4	46,258	3/4	34,288	3/4	22,392	3/4	10,313	3/4	186	3/4	3/4	3/4	3/4	3/4	3/4
8	70,166	8	58,086	8	46,006	8	34,043	8	22,140	8	10,061	8	123	8	8	8	8	8	8
1/4	69,914	1/4	57,834	1/4	45,754	1/4	33,799	1/4	21,889	1/4	9,809	1/4	102	1/4	1/4	1/4	1/4	1/4	1/4
1/2	69,662	1/2	57,582	1/2	45,503	1/2	33,555	1/2	21,637	1/2	9,558	1/2	81	1/2	1/2	1/2	1/2	1/2	1/2
3/4	69,411	3/4	57,331	3/4	45,251	3/4	33,311	3/4	21,385	3/4	9,306	3/4	60	3/4	3/4	3/4	3/4	3/4	3/4
9	69,159	9	57,079	9	44,999	9	33,066	9	21,134	9	9,054	9	39	9	9	9	9	9	9
1/4	68,907	1/4	56,827	1/4	44,748	1/4	32,822	1/4	20,882	1/4	8,803	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	68,656	1/2	56,576	1/2	44,496	1/2	32,578	1/2	20,631	1/2	8,551	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	68,404	3/4	56,324	3/4	44,244	3/4	32,334	3/4	20,379	3/4	8,300	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	68,152	10	56,072	10	43,993	10	32,089	10	20,127	10	8,048	10		10	10	10	10	10	10
1/4	67,901	1/4	55,821	1/4	43,741	1/4	31,845	1/4	19,876	1/4	7,796	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	67,649	1/2	55,569	1/2	43,489	1/2	31,601	1/2	19,624	1/2	7,545	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	67,397	3/4	55,318	3/4	43,238	3/4	31,357	3/4	19,372	3/4	7,294	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	67,146	11	55,066	11	42,986	11	31,112	11	19,121	11	7,042	11		11	11	11	11	11	11
1/4	66,894	1/4	54,814	1/4	42,734	1/4	30,868	1/4	18,869	1/4	6,791	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	66,642	1/2	54,563	1/2	42,483	1/2	30,624	1/2	18,617	1/2	6,540	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	66,391	3/4	54,311	3/4	42,231	3/4	30,380	3/4	18,366	3/4	6,289	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/06/2013 SW
CALCULATED: 11/06/2013 CL
PRINTED: 11/07/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2013

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



BARGE "CBC 1369"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0		0	144,319	0	133,668	0	122,995	0	112,279	0	101,564	0	90,848	0	80,132		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	144,099	1/4	133,446	1/4	122,772	1/4	112,056	1/4	101,340	1/4	90,625	1/4	79,908		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	143,879	1/2	133,224	1/2	122,549	1/2	111,833	1/2	101,117	1/2	90,401	1/2	79,685		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	151,538	3/4	143,659	3/4	133,002	3/4	122,325	3/4	111,610	3/4	100,894	3/4	90,178	3/4	79,462
1		1		1		1	151,523	1	143,437	1	132,780	1	122,102	1	111,386	1	100,671	1	89,955	1	79,238
1/4	1/4	1/4	1/4	1/4	1/4	1/4	151,507	1/4	143,215	1/4	132,558	1/4	121,879	1/4	111,163	1/4	100,447	1/4	89,732	1/4	79,015
1/2	1/2	1/2	1/2	1/2	1/2	1/2	151,492	1/2	142,993	1/2	132,336	1/2	121,656	1/2	110,940	1/2	100,224	1/2	89,508	1/2	78,792
3/4	3/4	3/4	3/4	3/4	3/4	3/4	151,477	3/4	142,771	3/4	132,114	3/4	121,432	3/4	110,717	3/4	100,001	3/4	89,285	3/4	78,569
2		2		2		2	151,424	2	142,549	2	131,892	2	121,209	2	110,493	2	99,778	2	89,062	2	78,345
1/4	1/4	1/4	1/4	1/4	1/4	1/4	151,372	1/4	142,327	1/4	131,670	1/4	120,986	1/4	110,270	1/4	99,554	1/4	88,839	1/4	78,122
1/2	1/2	1/2	1/2	1/2	1/2	1/2	151,319	1/2	142,105	1/2	131,448	1/2	120,763	1/2	110,047	1/2	99,331	1/2	88,615	1/2	77,899
3/4	3/4	3/4	3/4	3/4	3/4	3/4	151,267	3/4	141,883	3/4	131,226	3/4	120,539	3/4	109,824	3/4	99,108	3/4	88,392	3/4	77,675
3		3		3		3	151,177	3	141,661	3	131,004	3	120,316	3	109,600	3	98,885	3	88,169	3	77,452
1/4	1/4	1/4	1/4	1/4	1/4	1/4	151,087	1/4	141,439	1/4	130,782	1/4	120,093	1/4	109,377	1/4	98,661	1/4	87,946	1/4	77,229
1/2	1/2	1/2	1/2	1/2	1/2	1/2	150,998	1/2	141,217	1/2	130,560	1/2	119,870	1/2	109,154	1/2	98,438	1/2	87,722	1/2	77,006
3/4	3/4	3/4	3/4	3/4	3/4	3/4	150,908	3/4	140,995	3/4	130,338	3/4	119,646	3/4	108,931	3/4	98,215	3/4	87,499	3/4	76,782
4		4		4		4	150,781	4	140,773	4	130,116	4	119,423	4	108,707	4	97,992	4	87,276	4	76,559
1/4	1/4	1/4	1/4	1/4	1/4	1/4	150,654	1/4	140,551	1/4	129,894	1/4	119,200	1/4	108,484	1/4	97,768	1/4	87,053	1/4	76,336
1/2	1/2	1/2	1/2	1/2	1/2	1/2	150,527	1/2	140,329	1/2	129,672	1/2	118,977	1/2	108,261	1/2	97,545	1/2	86,829	1/2	76,112
3/4	3/4	3/4	3/4	3/4	3/4	3/4	150,400	3/4	140,107	3/4	129,450	3/4	118,753	3/4	108,038	3/4	97,322	3/4	86,606	3/4	75,889
5		5		5		5	150,236	5	139,885	5	129,228	5	118,530	5	107,814	5	97,099	5	86,383	5	75,666
1/4	1/4	1/4	1/4	1/4	1/4	1/4	150,072	1/4	139,663	1/4	129,006	1/4	118,307	1/4	107,591	1/4	96,875	1/4	86,160	1/4	75,443
1/2	1/2	1/2	1/2	1/2	1/2	1/2	149,908	1/2	139,440	1/2	128,784	1/2	118,084	1/2	107,368	1/2	96,652	1/2	85,936	1/2	75,219
3/4	3/4	3/4	3/4	3/4	3/4	3/4	149,744	3/4	139,218	3/4	128,561	3/4	117,860	3/4	107,145	3/4	96,429	3/4	85,713	3/4	74,996
6		6		6		6	149,542	6	138,996	6	128,339	6	117,637	6	106,921	6	96,206	6	85,490	6	74,773
1/4	1/4	1/4	1/4	1/4	1/4	1/4	149,341	1/4	138,774	1/4	128,117	1/4	117,414	1/4	106,698	1/4	95,982	1/4	85,267	1/4	74,549
1/2	1/2	1/2	1/2	1/2	1/2	1/2	149,140	1/2	138,552	1/2	127,895	1/2	117,191	1/2	106,475	1/2	95,759	1/2	85,043	1/2	74,326
3/4	3/4	3/4	3/4	3/4	3/4	3/4	148,938	3/4	138,330	3/4	127,673	3/4	116,967	3/4	106,252	3/4	95,536	3/4	84,820	3/4	74,103
7		7		7		7	148,718	7	138,108	7	127,451	7	116,744	7	106,028	7	95,313	7	84,597	7	73,880
1/4	1/4	1/4	1/4	1/4	1/4	1/4	148,498	1/4	137,886	1/4	127,229	1/4	116,521	1/4	105,805	1/4	95,089	1/4	84,374	1/4	73,656
1/2	1/2	1/2	1/2	1/2	1/2	1/2	148,278	1/2	137,664	1/2	127,007	1/2	116,298	1/2	105,582	1/2	94,866	1/2	84,150	1/2	73,433
3/4	3/4	3/4	3/4	3/4	3/4	3/4	148,058	3/4	137,442	3/4	126,785	3/4	116,074	3/4	105,359	3/4	94,643	3/4	83,927	3/4	73,210
8		8		8		8	147,838	8	137,220	8	126,563	8	115,851	8	105,135	8	94,420	8	83,704	8	72,986
1/4	1/4	1/4	1/4	1/4	1/4	1/4	147,618	1/4	136,998	1/4	126,341	1/4	115,628	1/4	104,912	1/4	94,196	1/4	83,481	1/4	72,763
1/2	1/2	1/2	1/2	1/2	1/2	1/2	147,398	1/2	136,776	1/2	126,119	1/2	115,405	1/2	104,689	1/2	93,973	1/2	83,257	1/2	72,540
3/4	3/4	3/4	3/4	3/4	3/4	3/4	147,178	3/4	136,554	3/4	125,897	3/4	115,181	3/4	104,466	3/4	93,750	3/4	83,034	3/4	72,317
9		9		9		9	146,958	9	136,332	9	125,674	9	114,958	9	104,242	9	93,527	9	82,811	9	72,093
1/4	1/4	1/4	1/4	1/4	1/4	1/4	146,738	1/4	136,110	1/4	125,451	1/4	114,735	1/4	104,019	1/4	93,303	1/4	82,588	1/4	71,870
1/2	1/2	1/2	1/2	1/2	1/2	1/2	146,518	1/2	135,888	1/2	125,227	1/2	114,512	1/2	103,796	1/2	93,080	1/2	82,364	1/2	71,647
3/4	3/4	3/4	3/4	3/4	3/4	3/4	146,299	3/4	135,666	3/4	125,004	3/4	114,288	3/4	103,573	3/4	92,857	3/4	82,141	3/4	71,424
10		10		10		10	146,079	10	135,444	10	124,781	10	114,065	10	103,349	10	92,634	10	81,918	10	71,200
1/4	1/4	1/4	1/4	1/4	1/4	1/4	145,859	1/4	135,222	1/4	124,558	1/4	113,842	1/4	103,126	1/4	92,410	1/4	81,695	1/4	70,977
1/2	1/2	1/2	1/2	1/2	1/2	1/2	145,639	1/2	135,000	1/2	124,335	1/2	113,619	1/2	102,903	1/2	92,187	1/2	81,471	1/2	70,754
3/4	3/4	3/4	3/4	3/4	3/4	3/4	145,419	3/4	134,778	3/4	124,111	3/4	113,396	3/4	102,680	3/4	91,964	3/4	81,248	3/4	70,530
11		11		11		11	145,199	11	134,556	11	123,888	11	113,172	11	102,457	11	91,741	11	81,025	11	70,307
1/4	1/4	1/4	1/4	1/4	1/4	1/4	144,979	1/4	134,334	1/4	123,665	1/4	112,949	1/4	102,233	1/4	91,518	1/4	80,801	1/4	70,084
1/2	1/2	1/2	1/2	1/2	1/2	1/2	144,759	1/2	134,112	1/2	123,442	1/2	112,726	1/2	102,010	1/2	91,294	1/2	80,578	1/2	69,861
3/4	3/4	3/4	3/4	3/4	3/4	3/4	144,539	3/4	133,890	3/4	123,218	3/4	112,503	3/4	101,787	3/4	91,071	3/4	80,355	3/4	69,637

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 23'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 1369"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	69,414	0	58,696	0	47,979	0	37,261	0	26,564	0	15,852	0	5,140	0		0		0	
1/4	69,191	1/4	58,473	1/4	47,756	1/4	37,038	1/4	26,342	1/4	15,629	1/4	4,918	1/4	1/4	1/4	1/4	1/4	1/4
1/2	68,967	1/2	58,250	1/2	47,532	1/2	36,815	1/2	26,119	1/2	15,406	1/2	4,696	1/2	1/2	1/2	1/2	1/2	1/2
3/4	68,744	3/4	58,027	3/4	47,309	3/4	36,591	3/4	25,897	3/4	15,182	3/4	4,474	3/4	3/4	3/4	3/4	3/4	3/4
1	68,521	1	57,803	1	47,086	1	36,368	1	25,674	1	14,959	1	4,253	1	1	1	1	1	1
1/4	68,298	1/4	57,580	1/4	46,862	1/4	36,145	1/4	25,451	1/4	14,736	1/4	4,033	1/4	1/4	1/4	1/4	1/4	1/4
1/2	68,074	1/2	57,357	1/2	46,639	1/2	35,922	1/2	25,228	1/2	14,513	1/2	3,812	1/2	1/2	1/2	1/2	1/2	1/2
3/4	67,851	3/4	57,133	3/4	46,416	3/4	35,698	3/4	25,005	3/4	14,289	3/4	3,591	3/4	3/4	3/4	3/4	3/4	3/4
2	67,628	2	56,910	2	46,193	2	35,475	2	24,782	2	14,066	2	3,372	2	2	2	2	2	2
1/4	67,404	1/4	56,687	1/4	45,969	1/4	35,252	1/4	24,559	1/4	13,843	1/4	3,153	1/4	1/4	1/4	1/4	1/4	1/4
1/2	67,181	1/2	56,464	1/2	45,746	1/2	35,028	1/2	24,336	1/2	13,620	1/2	2,935	1/2	1/2	1/2	1/2	1/2	1/2
3/4	66,958	3/4	56,240	3/4	45,523	3/4	34,805	3/4	24,113	3/4	13,396	3/4	2,716	3/4	3/4	3/4	3/4	3/4	3/4
3	66,735	3	56,017	3	45,299	3	34,582	3	23,890	3	13,173	3	2,512	3	3	3	3	3	3
1/4	66,511	1/4	55,794	1/4	45,076	1/4	34,359	1/4	23,667	1/4	12,950	1/4	2,308	1/4	1/4	1/4	1/4	1/4	1/4
1/2	66,288	1/2	55,570	1/2	44,853	1/2	34,135	1/2	23,444	1/2	12,726	1/2	2,104	1/2	1/2	1/2	1/2	1/2	1/2
3/4	66,065	3/4	55,347	3/4	44,630	3/4	33,912	3/4	23,220	3/4	12,503	3/4	1,899	3/4	3/4	3/4	3/4	3/4	3/4
4	65,841	4	55,124	4	44,406	4	33,689	4	22,997	4	12,280	4	1,732	4	4	4	4	4	4
1/4	65,618	1/4	54,901	1/4	44,183	1/4	33,465	1/4	22,774	1/4	12,057	1/4	1,565	1/4	1/4	1/4	1/4	1/4	1/4
1/2	65,395	1/2	54,677	1/2	43,960	1/2	33,242	1/2	22,551	1/2	11,833	1/2	1,397	1/2	1/2	1/2	1/2	1/2	1/2
3/4	65,172	3/4	54,454	3/4	43,736	3/4	33,019	3/4	22,327	3/4	11,610	3/4	1,230	3/4	3/4	3/4	3/4	3/4	3/4
5	64,948	5	54,231	5	43,513	5	32,796	5	22,104	5	11,387	5	1,099	5	5	5	5	5	5
1/4	64,725	1/4	54,007	1/4	43,290	1/4	32,574	1/4	21,881	1/4	11,164	1/4	969	1/4	1/4	1/4	1/4	1/4	1/4
1/2	64,502	1/2	53,784	1/2	43,067	1/2	32,351	1/2	21,657	1/2	10,940	1/2	839	1/2	1/2	1/2	1/2	1/2	1/2
3/4	64,278	3/4	53,561	3/4	42,843	3/4	32,129	3/4	21,434	3/4	10,717	3/4	709	3/4	3/4	3/4	3/4	3/4	3/4
6	64,055	6	53,338	6	42,620	6	31,906	6	21,211	6	10,494	6	616	6	6	6	6	6	6
1/4	63,832	1/4	53,114	1/4	42,397	1/4	31,683	1/4	20,988	1/4	10,270	1/4	523	1/4	1/4	1/4	1/4	1/4	1/4
1/2	63,609	1/2	52,891	1/2	42,173	1/2	31,461	1/2	20,764	1/2	10,047	1/2	430	1/2	1/2	1/2	1/2	1/2	1/2
3/4	63,385	3/4	52,668	3/4	41,950	3/4	31,238	3/4	20,541	3/4	9,824	3/4	337	3/4	3/4	3/4	3/4	3/4	3/4
7	63,162	7	52,444	7	41,727	7	31,016	7	20,318	7	9,601	7	281	7	7	7	7	7	7
1/4	62,939	1/4	52,221	1/4	41,504	1/4	30,793	1/4	20,095	1/4	9,377	1/4	225	1/4	1/4	1/4	1/4	1/4	1/4
1/2	62,715	1/2	51,998	1/2	41,280	1/2	30,571	1/2	19,871	1/2	9,154	1/2	169	1/2	1/2	1/2	1/2	1/2	1/2
3/4	62,492	3/4	51,775	3/4	41,057	3/4	30,348	3/4	19,648	3/4	8,931	3/4	113	3/4	3/4	3/4	3/4	3/4	3/4
8	62,269	8	51,551	8	40,834	8	30,126	8	19,425	8	8,708	8	95	8	8	8	8	8	8
1/4	62,046	1/4	51,328	1/4	40,610	1/4	29,903	1/4	19,201	1/4	8,484	1/4	76	1/4	1/4	1/4	1/4	1/4	1/4
1/2	61,822	1/2	51,105	1/2	40,387	1/2	29,680	1/2	18,978	1/2	8,261	1/2	58	1/2	1/2	1/2	1/2	1/2	1/2
3/4	61,599	3/4	50,882	3/4	40,164	3/4	29,458	3/4	18,755	3/4	8,038	3/4	39	3/4	3/4	3/4	3/4	3/4	3/4
9	61,376	9	50,658	9	39,941	9	29,235	9	18,532	9	7,814	9		9	9	9	9	9	9
1/4	61,153	1/4	50,435	1/4	39,717	1/4	29,013	1/4	18,308	1/4	7,591	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	60,929	1/2	50,212	1/2	39,494	1/2	28,790	1/2	18,085	1/2	7,368	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	60,706	3/4	49,988	3/4	39,271	3/4	28,568	3/4	17,862	3/4	7,145	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	60,483	10	49,765	10	39,048	10	28,345	10	17,639	10	6,922	10		10	10	10	10	10	10
1/4	60,259	1/4	49,542	1/4	38,824	1/4	28,122	1/4	17,415	1/4	6,699	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	60,036	1/2	49,319	1/2	38,601	1/2	27,900	1/2	17,192	1/2	6,475	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	59,813	3/4	49,095	3/4	38,378	3/4	27,677	3/4	16,969	3/4	6,252	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	59,590	11	48,872	11	38,154	11	27,455	11	16,745	11	6,030	11		11	11	11	11	11	11
1/4	59,366	1/4	48,649	1/4	37,931	1/4	27,232	1/4	16,522	1/4	5,807	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	59,143	1/2	48,425	1/2	37,708	1/2	27,010	1/2	16,299	1/2	5,584	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	58,920	3/4	48,202	3/4	37,485	3/4	26,787	3/4	16,076	3/4	5,362	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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CALCULATED: 11/06/2013 CL
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CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2013

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