



BARGE "CBC 1393"

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 CENTER	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-7/8	00-7/8	- 01-1/8	01-1/8	- 01-3/8	01-3/8
2 CENTER	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
3 CENTER	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-3/4	- 00-3/4	01-1/8	- 01-1/8	01-3/8	- 01-3/8	01-5/8	- 01-5/8

(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 1 CENTER IS 00-1/2"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED INNAGE IS 4'-00 1/2"

LENGTH BETWEEN DRAFT MARKS: 161'-09"

June 12, 2017

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

<http://www.pmacorp.net>



BARGE "CBC 1393"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 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	39	0	8,099	0	18,898	0	29,546	0	40,224	0	50,995	0	61,766	0	72,514	0	83,264	0	94,038
1/4	58	1/4	8,324	1/4	19,123	1/4	29,765	1/4	40,449	1/4	51,220	1/4	61,991	1/4	72,737	1/4	83,488	1/4	94,262
1/2	77	1/2	8,549	1/2	19,348	1/2	29,983	1/2	40,673	1/2	51,444	1/2	62,215	1/2	72,960	1/2	83,712	1/2	94,487
3/4	96	3/4	8,774	3/4	19,573	3/4	30,202	3/4	40,897	3/4	51,668	3/4	62,439	3/4	73,183	3/4	83,937	3/4	94,711
1	114	1	8,999	1	19,798	1	30,421	1	41,122	1	51,893	1	62,664	1	73,406	1	84,161	1	94,936
1/4	171	1/4	9,224	1/4	20,023	1/4	30,639	1/4	41,346	1/4	52,117	1/4	62,888	1/4	73,629	1/4	84,386	1/4	95,160
1/2	227	1/2	9,449	1/2	20,248	1/2	30,858	1/2	41,571	1/2	52,342	1/2	63,113	1/2	73,852	1/2	84,610	1/2	95,385
3/4	283	3/4	9,674	3/4	20,473	3/4	31,076	3/4	41,795	3/4	52,566	3/4	63,337	3/4	74,075	3/4	84,835	3/4	95,609
2	339	2	9,899	2	20,698	2	31,295	2	42,019	2	52,790	2	63,561	2	74,298	2	85,059	2	95,834
1/4	433	1/4	10,124	1/4	20,923	1/4	31,513	1/4	42,244	1/4	53,015	1/4	63,786	1/4	74,521	1/4	85,284	1/4	96,058
1/2	527	1/2	10,349	1/2	21,148	1/2	31,732	1/2	42,468	1/2	53,239	1/2	64,010	1/2	74,744	1/2	85,508	1/2	96,283
3/4	621	3/4	10,574	3/4	21,373	3/4	31,951	3/4	42,693	3/4	53,464	3/4	64,235	3/4	74,967	3/4	85,733	3/4	96,507
3	714	3	10,799	3	21,598	3	32,169	3	42,917	3	53,688	3	64,459	3	75,190	3	85,957	3	96,731
1/4	845	1/4	11,024	1/4	21,823	1/4	32,388	1/4	43,141	1/4	53,912	1/4	64,683	1/4	75,414	1/4	86,182	1/4	96,956
1/2	977	1/2	11,249	1/2	22,047	1/2	32,606	1/2	43,366	1/2	54,137	1/2	64,908	1/2	75,637	1/2	86,406	1/2	97,180
3/4	1,108	3/4	11,474	3/4	22,272	3/4	32,825	3/4	43,590	3/4	54,361	3/4	65,132	3/4	75,860	3/4	86,631	3/4	97,405
4	1,239	4	11,699	4	22,497	4	33,043	4	43,814	4	54,585	4	65,356	4	76,083	4	86,855	4	97,629
1/4	1,408	1/4	11,923	1/4	22,722	1/4	33,268	1/4	44,039	1/4	54,810	1/4	65,581	1/4	76,306	1/4	87,079	1/4	97,854
1/2	1,576	1/2	12,148	1/2	22,947	1/2	33,492	1/2	44,263	1/2	55,034	1/2	65,805	1/2	76,530	1/2	87,304	1/2	98,078
3/4	1,745	3/4	12,373	3/4	23,172	3/4	33,717	3/4	44,488	3/4	55,259	3/4	66,030	3/4	76,754	3/4	87,528	3/4	98,303
5	1,914	5	12,598	5	23,397	5	33,941	5	44,712	5	55,483	5	66,254	5	76,978	5	87,753	5	98,527
1/4	2,119	1/4	12,823	1/4	23,622	1/4	34,165	1/4	44,936	1/4	55,707	1/4	66,478	1/4	77,202	1/4	87,977	1/4	98,752
1/2	2,325	1/2	13,048	1/2	23,847	1/2	34,390	1/2	45,161	1/2	55,932	1/2	66,703	1/2	77,427	1/2	88,202	1/2	98,976
3/4	2,531	3/4	13,273	3/4	24,072	3/4	34,614	3/4	45,385	3/4	56,156	3/4	66,927	3/4	77,651	3/4	88,426	3/4	99,201
6	2,736	6	13,498	6	24,297	6	34,839	6	45,610	6	56,381	6	67,152	6	77,876	6	88,651	6	99,425
1/4	2,957	1/4	13,723	1/4	24,516	1/4	35,063	1/4	45,834	1/4	56,605	1/4	67,375	1/4	78,100	1/4	88,875	1/4	99,650
1/2	3,177	1/2	13,948	1/2	24,735	1/2	35,287	1/2	46,058	1/2	56,829	1/2	67,599	1/2	78,325	1/2	89,100	1/2	99,874
3/4	3,398	3/4	14,173	3/4	24,954	3/4	35,512	3/4	46,283	3/4	57,054	3/4	67,823	3/4	78,549	3/4	89,324	3/4	100,098
7	3,618	7	14,398	7	25,173	7	35,736	7	46,507	7	57,278	7	68,047	7	78,774	7	89,549	7	100,323
1/4	3,841	1/4	14,623	1/4	25,392	1/4	35,961	1/4	46,732	1/4	57,503	1/4	68,271	1/4	78,998	1/4	89,773	1/4	100,547
1/2	4,063	1/2	14,848	1/2	25,611	1/2	36,185	1/2	46,956	1/2	57,727	1/2	68,495	1/2	79,223	1/2	89,998	1/2	100,772
3/4	4,286	3/4	15,073	3/4	25,830	3/4	36,409	3/4	47,180	3/4	57,951	3/4	68,718	3/4	79,447	3/4	90,222	3/4	100,996
8	4,508	8	15,298	8	26,049	8	36,634	8	47,405	8	58,176	8	68,942	8	79,672	8	90,446	8	101,221
1/4	4,732	1/4	15,523	1/4	26,268	1/4	36,858	1/4	47,629	1/4	58,400	1/4	69,166	1/4	79,896	1/4	90,671	1/4	101,445
1/2	4,955	1/2	15,748	1/2	26,486	1/2	37,083	1/2	47,854	1/2	58,625	1/2	69,390	1/2	80,121	1/2	90,895	1/2	101,670
3/4	5,179	3/4	15,973	3/4	26,705	3/4	37,307	3/4	48,078	3/4	58,849	3/4	69,614	3/4	80,345	3/4	91,120	3/4	101,894
9	5,403	9	16,198	9	26,923	9	37,531	9	48,302	9	59,073	9	69,837	9	80,570	9	91,344	9	102,119
1/4	5,627	1/4	16,423	1/4	27,142	1/4	37,756	1/4	48,527	1/4	59,298	1/4	70,060	1/4	80,794	1/4	91,569	1/4	102,343
1/2	5,851	1/2	16,648	1/2	27,360	1/2	37,980	1/2	48,751	1/2	59,522	1/2	70,283	1/2	81,019	1/2	91,793	1/2	102,568
3/4	6,076	3/4	16,873	3/4	27,579	3/4	38,205	3/4	48,976	3/4	59,747	3/4	70,506	3/4	81,243	3/4	92,018	3/4	102,792
10	6,300	10	17,098	10	27,798	10	38,429	10	49,200	10	59,971	10	70,730	10	81,468	10	92,242	10	103,016
1/4	6,525	1/4	17,323	1/4	28,016	1/4	38,653	1/4	49,424	1/4	60,195	1/4	70,953	1/4	81,692	1/4	92,467	1/4	103,241
1/2	6,749	1/2	17,548	1/2	28,235	1/2	38,878	1/2	49,649	1/2	60,420	1/2	71,176	1/2	81,917	1/2	92,691	1/2	103,465
3/4	6,974	3/4	17,773	3/4	28,453	3/4	39,102	3/4	49,873	3/4	60,644	3/4	71,399	3/4	82,141	3/4	92,916	3/4	103,690
11	7,199	11	17,998	11	28,672	11	39,327	11	50,098	11	60,869	11	71,622	11	82,366	11	93,140	11	103,914
1/4	7,424	1/4	18,223	1/4	28,891	1/4	39,551	1/4	50,322	1/4	61,093	1/4	71,845	1/4	82,590	1/4	93,364	1/4	104,139
1/2	7,649	1/2	18,448	1/2	29,109	1/2	39,775	1/2	50,546	1/2	61,317	1/2	72,068	1/2	82,815	1/2	93,589	1/2	104,363
3/4	7,874	3/4	18,673	3/4	29,328	3/4	40,000	3/4	50,771	3/4	61,542	3/4	72,291	3/4	83,039	3/4	93,813	3/4	104,588

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 29'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "CBC 1393"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 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	104,812	0	114,923	0	124,391	0	133,818	0	143,228	0		0		0		0		0	
1/4	105,036	1/4	115,120	1/4	124,588	1/4	134,015	1/4	143,423	1/4		1/4		1/4		1/4		1/4	
1/2	105,261	1/2	115,317	1/2	124,785	1/2	134,211	1/2	143,617	1/2		1/2		1/2		1/2		1/2	
3/4	105,485	3/4	115,514	3/4	124,981	3/4	134,408	3/4	143,812	3/4		3/4		3/4		3/4		3/4	
1	105,709	1	115,712	1	125,178	1	134,605	1	144,007	1		1		1		1		1	
1/4	105,933	1/4	115,909	1/4	125,375	1/4	134,801	1/4	144,201	1/4		1/4		1/4		1/4		1/4	
1/2	106,158	1/2	116,106	1/2	125,572	1/2	134,998	1/2	144,396	1/2		1/2		1/2		1/2		1/2	
3/4	106,382	3/4	116,303	3/4	125,768	3/4	135,195	3/4	144,591	3/4		3/4		3/4		3/4		3/4	
2	106,606	2	116,501	2	125,965	2	135,392	2	144,785	2		2		2		2		2	
1/4	106,830	1/4	116,698	1/4	126,162	1/4	135,588	1/4	144,989	1/4		1/4		1/4		1/4		1/4	
1/2	107,054	1/2	116,895	1/2	126,359	1/2	135,785	1/2	145,193	1/2		1/2		1/2		1/2		1/2	
3/4	107,279	3/4	117,092	3/4	126,555	3/4	135,982	3/4	145,396	3/4		3/4		3/4		3/4		3/4	
3	107,503	3	117,290	3	126,752	3	136,179	3	145,600	3		3		3		3		3	
1/4	107,727	1/4	117,487	1/4	126,949	1/4	136,375	1/4	145,766	1/4		1/4		1/4		1/4		1/4	
1/2	107,951	1/2	117,684	1/2	127,146	1/2	136,572	1/2	145,932	1/2		1/2		1/2		1/2		1/2	
3/4	108,175	3/4	117,881	3/4	127,342	3/4	136,769	3/4	146,098	3/4		3/4		3/4		3/4		3/4	
4	108,400	4	118,079	4	127,539	4	136,966	4	146,264	4		4		4		4		4	
1/4	108,624	1/4	118,276	1/4	127,736	1/4	137,162	1/4	146,393	1/4		1/4		1/4		1/4		1/4	
1/2	108,848	1/2	118,473	1/2	127,932	1/2	137,359	1/2	146,521	1/2		1/2		1/2		1/2		1/2	
3/4	109,072	3/4	118,671	3/4	128,129	3/4	137,556	3/4	146,650	3/4		3/4		3/4		3/4		3/4	
5	109,297	5	118,868	5	128,326	5	137,753	5	146,778	5		5		5		5		5	
1/4	109,521	1/4	119,065	1/4	128,523	1/4	137,949	1/4	146,869	1/4		1/4		1/4		1/4		1/4	
1/2	109,745	1/2	119,262	1/2	128,719	1/2	138,146	1/2	146,960	1/2		1/2		1/2		1/2		1/2	
3/4	109,969	3/4	119,460	3/4	128,916	3/4	138,343	3/4	147,052	3/4		3/4		3/4		3/4		3/4	
6	110,193	6	119,657	6	129,113	6	138,539	6	147,143	6		6		6		6		6	
1/4	110,390	1/4	119,854	1/4	129,309	1/4	138,736	1/4	147,196	1/4		1/4		1/4		1/4		1/4	
1/2	110,587	1/2	120,051	1/2	129,505	1/2	138,933	1/2	147,250	1/2		1/2		1/2		1/2		1/2	
3/4	110,785	3/4	120,249	3/4	129,701	3/4	139,130	3/4	147,303	3/4		3/4		3/4		3/4		3/4	
7	110,982	7	120,446	7	129,897	7	139,326	7	147,357	7		7		7		7		7	
1/4	111,179	1/4	120,643	1/4	130,093	1/4	139,523	1/4	147,373	1/4		1/4		1/4		1/4		1/4	
1/2	111,376	1/2	120,840	1/2	130,289	1/2	139,720	1/2	147,389	1/2		1/2		1/2		1/2		1/2	
3/4	111,573	3/4	121,038	3/4	130,485	3/4	139,917	3/4	147,405	3/4		3/4		3/4		3/4		3/4	
8	111,770	8	121,235	8	130,681	8	140,113	8	147,421	8		8		8		8		8	
1/4	111,967	1/4	121,432	1/4	130,877	1/4	140,308	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	112,164	1/2	121,629	1/2	131,073	1/2	140,503	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	112,361	3/4	121,827	3/4	131,269	3/4	140,697	3/4		3/4		3/4		3/4		3/4		3/4	
9	112,558	9	122,024	9	131,465	9	140,892	9		9		9		9		9		9	
1/4	112,755	1/4	122,221	1/4	131,661	1/4	141,087	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	112,952	1/2	122,419	1/2	131,857	1/2	141,281	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	113,149	3/4	122,616	3/4	132,053	3/4	141,476	3/4		3/4		3/4		3/4		3/4		3/4	
10	113,346	10	122,813	10	132,249	10	141,671	10		10		10		10		10		10	
1/4	113,543	1/4	123,010	1/4	132,446	1/4	141,865	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	113,740	1/2	123,208	1/2	132,642	1/2	142,060	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	113,937	3/4	123,405	3/4	132,838	3/4	142,255	3/4		3/4		3/4		3/4		3/4		3/4	
11	114,134	11	123,602	11	133,034	11	142,449	11		11		11		11		11		11	
1/4	114,331	1/4	123,799	1/4	133,230	1/4	142,644	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	114,528	1/2	123,997	1/2	133,426	1/2	142,839	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	114,725	3/4	124,194	3/4	133,622	3/4	143,033	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/12/2017 SW
CALCULATED: 06/13/2017 CL
PRINTED: 06/13/2017 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2017

PRECISION MEASUREMENT
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BARGE "CBC 1393"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	39	0	9,068	0	21,164	0	33,113	0	45,063	0	57,160	0	69,257	0	81,354	0	93,451	0	105,546
1/4	60	1/4	9,320	1/4	21,416	1/4	33,358	1/4	45,315	1/4	57,412	1/4	69,509	1/4	81,606	1/4	93,703	1/4	105,798
1/2	81	1/2	9,572	1/2	21,668	1/2	33,603	1/2	45,567	1/2	57,664	1/2	69,761	1/2	81,858	1/2	93,955	1/2	106,050
3/4	102	3/4	9,824	3/4	21,920	3/4	33,847	3/4	45,819	3/4	57,916	3/4	70,013	3/4	82,110	3/4	94,207	3/4	106,302
1	123	1	10,076	1	22,172	1	34,092	1	46,071	1	58,168	1	70,265	1	82,362	1	94,459	1	106,553
1/4	186	1/4	10,328	1/4	22,424	1/4	34,336	1/4	46,323	1/4	58,420	1/4	70,517	1/4	82,614	1/4	94,711	1/4	106,805
1/2	249	1/2	10,580	1/2	22,676	1/2	34,581	1/2	46,575	1/2	58,672	1/2	70,769	1/2	82,866	1/2	94,963	1/2	107,057
3/4	312	3/4	10,832	3/4	22,928	3/4	34,826	3/4	46,827	3/4	58,924	3/4	71,021	3/4	83,118	3/4	95,215	3/4	107,309
2	375	2	11,084	2	23,180	2	35,070	2	47,079	2	59,176	2	71,273	2	83,370	2	95,467	2	107,561
1/4	480	1/4	11,336	1/4	23,432	1/4	35,315	1/4	47,331	1/4	59,428	1/4	71,525	1/4	83,622	1/4	95,719	1/4	107,813
1/2	585	1/2	11,588	1/2	23,684	1/2	35,559	1/2	47,583	1/2	59,680	1/2	71,777	1/2	83,874	1/2	95,971	1/2	108,065
3/4	690	3/4	11,840	3/4	23,936	3/4	35,804	3/4	47,835	3/4	59,932	3/4	72,029	3/4	84,126	3/4	96,223	3/4	108,317
3	795	3	12,092	3	24,188	3	36,049	3	48,087	3	60,184	3	72,281	3	84,378	3	96,474	3	108,569
1/4	942	1/4	12,344	1/4	24,440	1/4	36,293	1/4	48,339	1/4	60,436	1/4	72,533	1/4	84,630	1/4	96,726	1/4	108,821
1/2	1,089	1/2	12,596	1/2	24,692	1/2	36,538	1/2	48,591	1/2	60,688	1/2	72,785	1/2	84,882	1/2	96,978	1/2	109,073
3/4	1,236	3/4	12,848	3/4	24,944	3/4	36,782	3/4	48,844	3/4	60,940	3/4	73,037	3/4	85,134	3/4	97,230	3/4	109,325
4	1,383	4	13,100	4	25,196	4	37,027	4	49,096	4	61,192	4	73,289	4	85,386	4	97,482	4	109,577
1/4	1,572	1/4	13,352	1/4	25,448	1/4	37,272	1/4	49,348	1/4	61,444	1/4	73,541	1/4	85,638	1/4	97,734	1/4	109,829
1/2	1,761	1/2	13,604	1/2	25,700	1/2	37,517	1/2	49,600	1/2	61,696	1/2	73,793	1/2	85,890	1/2	97,986	1/2	110,081
3/4	1,950	3/4	13,856	3/4	25,952	3/4	37,762	3/4	49,852	3/4	61,948	3/4	74,045	3/4	86,142	3/4	98,238	3/4	110,333
5	2,139	5	14,108	5	26,204	5	38,007	5	50,104	5	62,200	5	74,297	5	86,394	5	98,490	5	110,585
1/4	2,370	1/4	14,360	1/4	26,456	1/4	38,259	1/4	50,356	1/4	62,453	1/4	74,549	1/4	86,646	1/4	98,742	1/4	110,837
1/2	2,600	1/2	14,612	1/2	26,708	1/2	38,511	1/2	50,608	1/2	62,705	1/2	74,801	1/2	86,898	1/2	98,994	1/2	111,089
3/4	2,830	3/4	14,864	3/4	26,960	3/4	38,763	3/4	50,860	3/4	62,957	3/4	75,053	3/4	87,150	3/4	99,246	3/4	111,341
6	3,061	6	15,116	6	27,212	6	39,015	6	51,112	6	63,209	6	75,305	6	87,402	6	99,498	6	111,593
1/4	3,308	1/4	15,368	1/4	27,464	1/4	39,267	1/4	51,364	1/4	63,461	1/4	75,557	1/4	87,654	1/4	99,750	1/4	111,845
1/2	3,555	1/2	15,620	1/2	27,716	1/2	39,519	1/2	51,616	1/2	63,713	1/2	75,809	1/2	87,906	1/2	100,002	1/2	112,097
3/4	3,802	3/4	15,872	3/4	27,968	3/4	39,771	3/4	51,868	3/4	63,965	3/4	76,062	3/4	88,158	3/4	100,254	3/4	112,349
7	4,049	7	16,124	7	28,220	7	40,023	7	52,120	7	64,217	7	76,314	7	88,410	7	100,506	7	112,601
1/4	4,298	1/4	16,376	1/4	28,465	1/4	40,275	1/4	52,372	1/4	64,469	1/4	76,566	1/4	88,662	1/4	100,758	1/4	112,853
1/2	4,547	1/2	16,628	1/2	28,710	1/2	40,527	1/2	52,624	1/2	64,721	1/2	76,818	1/2	88,914	1/2	101,010	1/2	113,105
3/4	4,796	3/4	16,880	3/4	28,955	3/4	40,779	3/4	52,876	3/4	64,973	3/4	77,070	3/4	89,166	3/4	101,262	3/4	113,357
8	5,045	8	17,132	8	29,200	8	41,031	8	53,128	8	65,225	8	77,322	8	89,418	8	101,514	8	113,609
1/4	5,296	1/4	17,384	1/4	29,445	1/4	41,283	1/4	53,380	1/4	65,477	1/4	77,574	1/4	89,671	1/4	101,766	1/4	113,861
1/2	5,546	1/2	17,636	1/2	29,689	1/2	41,535	1/2	53,632	1/2	65,729	1/2	77,826	1/2	89,923	1/2	102,018	1/2	114,113
3/4	5,797	3/4	17,888	3/4	29,934	3/4	41,787	3/4	53,884	3/4	65,981	3/4	78,078	3/4	90,175	3/4	102,270	3/4	114,365
9	6,047	9	18,140	9	30,178	9	42,039	9	54,136	9	66,233	9	78,330	9	90,427	9	102,522	9	114,617
1/4	6,299	1/4	18,392	1/4	30,423	1/4	42,291	1/4	54,388	1/4	66,485	1/4	78,582	1/4	90,679	1/4	102,774	1/4	114,869
1/2	6,550	1/2	18,644	1/2	30,668	1/2	42,543	1/2	54,640	1/2	66,737	1/2	78,834	1/2	90,931	1/2	103,026	1/2	115,121
3/4	6,801	3/4	18,896	3/4	30,912	3/4	42,795	3/4	54,892	3/4	66,989	3/4	79,086	3/4	91,183	3/4	103,278	3/4	115,373
10	7,053	10	19,148	10	31,157	10	43,047	10	55,144	10	67,241	10	79,338	10	91,435	10	103,530	10	115,625
1/4	7,304	1/4	19,400	1/4	31,401	1/4	43,299	1/4	55,396	1/4	67,493	1/4	79,590	1/4	91,687	1/4	103,782	1/4	115,877
1/2	7,556	1/2	19,652	1/2	31,646	1/2	43,551	1/2	55,648	1/2	67,745	1/2	79,842	1/2	91,939	1/2	104,034	1/2	116,129
3/4	7,808	3/4	19,904	3/4	31,891	3/4	43,803	3/4	55,900	3/4	67,997	3/4	80,094	3/4	92,191	3/4	104,286	3/4	116,381
11	8,060	11	20,156	11	32,135	11	44,055	11	56,152	11	68,249	11	80,346	11	92,443	11	104,538	11	116,632
1/4	8,312	1/4	20,408	1/4	32,380	1/4	44,307	1/4	56,404	1/4	68,501	1/4	80,598	1/4	92,695	1/4	104,790	1/4	116,884
1/2	8,564	1/2	20,660	1/2	32,624	1/2	44,559	1/2	56,656	1/2	68,753	1/2	80,850	1/2	92,947	1/2	105,042	1/2	117,136
3/4	8,816	3/4	20,912	3/4	32,869	3/4	44,811	3/4	56,908	3/4	69,005	3/4	81,102	3/4	93,199	3/4	105,294	3/4	117,388

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 29'-06" FORWARD OF AFT BULKHEAD.

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





BARGE "CBC 1393"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	117,640	0	129,735	0	141,830	0	153,858	0	165,848	0		0		0		0		0	
1/4	117,892	1/4	129,987	1/4	142,081	1/4	154,108	1/4	166,096	1/4		1/4		1/4		1/4		1/4	
1/2	118,144	1/2	130,239	1/2	142,331	1/2	154,359	1/2	166,345	1/2		1/2		1/2		1/2		1/2	
3/4	118,396	3/4	130,491	3/4	142,582	3/4	154,609	3/4	166,593	3/4		3/4		3/4		3/4		3/4	
1	118,648	1	130,743	1	142,832	1	154,860	1	166,841	1		1		1		1		1	
1/4	118,900	1/4	130,995	1/4	143,083	1/4	155,110	1/4	167,089	1/4		1/4		1/4		1/4		1/4	
1/2	119,152	1/2	131,247	1/2	143,333	1/2	155,361	1/2	167,338	1/2		1/2		1/2		1/2		1/2	
3/4	119,404	3/4	131,499	3/4	143,584	3/4	155,612	3/4	167,586	3/4		3/4		3/4		3/4		3/4	
2	119,656	2	131,751	2	143,835	2	155,862	2	167,834	2		2		2		2		2	
1/4	119,908	1/4	132,003	1/4	144,085	1/4	156,113	1/4	168,061	1/4		1/4		1/4		1/4		1/4	
1/2	120,160	1/2	132,255	1/2	144,336	1/2	156,363	1/2	168,289	1/2		1/2		1/2		1/2		1/2	
3/4	120,412	3/4	132,507	3/4	144,586	3/4	156,614	3/4	168,516	3/4		3/4		3/4		3/4		3/4	
3	120,664	3	132,759	3	144,837	3	156,864	3	168,743	3		3		3		3		3	
1/4	120,916	1/4	133,011	1/4	145,087	1/4	157,115	1/4	168,928	1/4		1/4		1/4		1/4		1/4	
1/2	121,168	1/2	133,263	1/2	145,338	1/2	157,366	1/2	169,114	1/2		1/2		1/2		1/2		1/2	
3/4	121,420	3/4	133,515	3/4	145,589	3/4	157,616	3/4	169,299	3/4		3/4		3/4		3/4		3/4	
4	121,672	4	133,767	4	145,839	4	157,867	4	169,484	4		4		4		4		4	
1/4	121,924	1/4	134,019	1/4	146,090	1/4	158,117	1/4	169,627	1/4		1/4		1/4		1/4		1/4	
1/2	122,176	1/2	134,271	1/2	146,340	1/2	158,368	1/2	169,771	1/2		1/2		1/2		1/2		1/2	
3/4	122,428	3/4	134,523	3/4	146,591	3/4	158,618	3/4	169,914	3/4		3/4		3/4		3/4		3/4	
5	122,680	5	134,775	5	146,841	5	158,869	5	170,057	5		5		5		5		5	
1/4	122,932	1/4	135,027	1/4	147,092	1/4	159,120	1/4	170,158	1/4		1/4		1/4		1/4		1/4	
1/2	123,184	1/2	135,279	1/2	147,343	1/2	159,370	1/2	170,260	1/2		1/2		1/2		1/2		1/2	
3/4	123,436	3/4	135,531	3/4	147,593	3/4	159,621	3/4	170,361	3/4		3/4		3/4		3/4		3/4	
6	123,688	6	135,783	6	147,844	6	159,871	6	170,462	6		6		6		6		6	
1/4	123,940	1/4	136,035	1/4	148,094	1/4	160,122	1/4	170,521	1/4		1/4		1/4		1/4		1/4	
1/2	124,192	1/2	136,287	1/2	148,345	1/2	160,372	1/2	170,581	1/2		1/2		1/2		1/2		1/2	
3/4	124,444	3/4	136,539	3/4	148,596	3/4	160,623	3/4	170,640	3/4		3/4		3/4		3/4		3/4	
7	124,696	7	136,790	7	148,846	7	160,874	7	170,699	7		7		7		7		7	
1/4	124,948	1/4	137,042	1/4	149,097	1/4	161,124	1/4	170,716	1/4		1/4		1/4		1/4		1/4	
1/2	125,200	1/2	137,294	1/2	149,347	1/2	161,375	1/2	170,734	1/2		1/2		1/2		1/2		1/2	
3/4	125,452	3/4	137,546	3/4	149,598	3/4	161,625	3/4	170,751	3/4		3/4		3/4		3/4		3/4	
8	125,704	8	137,798	8	149,848	8	161,876	8	170,768	8		8		8		8		8	
1/4	125,956	1/4	138,050	1/4	150,099	1/4	162,124	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	126,208	1/2	138,302	1/2	150,350	1/2	162,372	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	126,460	3/4	138,554	3/4	150,600	3/4	162,621	3/4		3/4		3/4		3/4		3/4		3/4	
9	126,711	9	138,806	9	150,851	9	162,869	9		9		9		9		9		9	
1/4	126,963	1/4	139,058	1/4	151,101	1/4	163,117	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	127,215	1/2	139,310	1/2	151,352	1/2	163,365	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	127,467	3/4	139,562	3/4	151,602	3/4	163,614	3/4		3/4		3/4		3/4		3/4		3/4	
10	127,719	10	139,814	10	151,853	10	163,862	10		10		10		10		10		10	
1/4	127,971	1/4	140,066	1/4	152,104	1/4	164,110	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	128,223	1/2	140,318	1/2	152,354	1/2	164,359	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	128,475	3/4	140,570	3/4	152,605	3/4	164,607	3/4		3/4		3/4		3/4		3/4		3/4	
11	128,727	11	140,822	11	152,855	11	164,855	11		11		11		11		11		11	
1/4	128,979	1/4	141,074	1/4	153,106	1/4	165,103	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	129,231	1/2	141,326	1/2	153,356	1/2	165,352	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	129,483	3/4	141,578	3/4	153,607	3/4	165,600	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/12/2017 SW
CALCULATED: 06/13/2017 CL
PRINTED: 06/13/2017 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2017

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 1393"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	39	0	8,051	0	18,785	0	29,504	0	40,227	0	50,962	0	61,696	0	72,431	0	83,165	0	93,898
1/4	58	1/4	8,274	1/4	19,008	1/4	29,727	1/4	40,451	1/4	51,185	1/4	61,920	1/4	72,654	1/4	83,389	1/4	94,121
1/2	77	1/2	8,498	1/2	19,232	1/2	29,950	1/2	40,675	1/2	51,409	1/2	62,143	1/2	72,878	1/2	83,612	1/2	94,345
3/4	95	3/4	8,722	3/4	19,456	3/4	30,173	3/4	40,898	3/4	51,633	3/4	62,367	3/4	73,101	3/4	83,836	3/4	94,568
1	114	1	8,945	1	19,679	1	30,396	1	41,122	1	51,856	1	62,591	1	73,325	1	84,059	1	94,792
1/4	170	1/4	9,169	1/4	19,903	1/4	30,619	1/4	41,346	1/4	52,080	1/4	62,814	1/4	73,549	1/4	84,283	1/4	95,016
1/2	226	1/2	9,392	1/2	20,126	1/2	30,842	1/2	41,569	1/2	52,304	1/2	63,038	1/2	73,772	1/2	84,507	1/2	95,239
3/4	282	3/4	9,616	3/4	20,350	3/4	31,065	3/4	41,793	3/4	52,527	3/4	63,262	3/4	73,996	3/4	84,730	3/4	95,463
2	337	2	9,840	2	20,574	2	31,288	2	42,016	2	52,751	2	63,485	2	74,220	2	84,954	2	95,686
1/4	431	1/4	10,063	1/4	20,797	1/4	31,511	1/4	42,240	1/4	52,974	1/4	63,709	1/4	74,443	1/4	85,177	1/4	95,910
1/2	524	1/2	10,287	1/2	21,021	1/2	31,734	1/2	42,464	1/2	53,198	1/2	63,932	1/2	74,667	1/2	85,401	1/2	96,134
3/4	617	3/4	10,511	3/4	21,245	3/4	31,957	3/4	42,687	3/4	53,422	3/4	64,156	3/4	74,891	3/4	85,625	3/4	96,357
3	710	3	10,734	3	21,468	3	32,179	3	42,911	3	53,645	3	64,380	3	75,114	3	85,848	3	96,581
1/4	841	1/4	10,958	1/4	21,692	1/4	32,402	1/4	43,135	1/4	53,869	1/4	64,603	1/4	75,338	1/4	86,072	1/4	96,804
1/2	971	1/2	11,181	1/2	21,915	1/2	32,625	1/2	43,358	1/2	54,093	1/2	64,827	1/2	75,561	1/2	86,295	1/2	97,028
3/4	1,101	3/4	11,405	3/4	22,139	3/4	32,848	3/4	43,582	3/4	54,316	3/4	65,051	3/4	75,785	3/4	86,519	3/4	97,251
4	1,232	4	11,629	4	22,363	4	33,071	4	43,805	4	54,540	4	65,274	4	76,009	4	86,742	4	97,475
1/4	1,400	1/4	11,852	1/4	22,586	1/4	33,295	1/4	44,029	1/4	54,764	1/4	65,498	1/4	76,232	1/4	86,966	1/4	97,699
1/2	1,567	1/2	12,076	1/2	22,810	1/2	33,518	1/2	44,253	1/2	54,987	1/2	65,722	1/2	76,456	1/2	87,190	1/2	97,922
3/4	1,735	3/4	12,300	3/4	23,034	3/4	33,742	3/4	44,476	3/4	55,211	3/4	65,945	3/4	76,680	3/4	87,413	3/4	98,146
5	1,903	5	12,523	5	23,257	5	33,966	5	44,700	5	55,434	5	66,169	5	76,903	5	87,637	5	98,369
1/4	2,107	1/4	12,747	1/4	23,481	1/4	34,189	1/4	44,924	1/4	55,658	1/4	66,392	1/4	77,127	1/4	87,860	1/4	98,593
1/2	2,312	1/2	12,970	1/2	23,704	1/2	34,413	1/2	45,147	1/2	55,882	1/2	66,616	1/2	77,350	1/2	88,084	1/2	98,817
3/4	2,516	3/4	13,194	3/4	23,928	3/4	34,637	3/4	45,371	3/4	56,105	3/4	66,840	3/4	77,574	3/4	88,308	3/4	99,040
6	2,720	6	13,418	6	24,152	6	34,860	6	45,595	6	56,329	6	67,063	6	77,798	6	88,531	6	99,264
1/4	2,940	1/4	13,641	1/4	24,375	1/4	35,084	1/4	45,818	1/4	56,553	1/4	67,287	1/4	78,021	1/4	88,755	1/4	99,487
1/2	3,159	1/2	13,865	1/2	24,598	1/2	35,307	1/2	46,042	1/2	56,776	1/2	67,511	1/2	78,245	1/2	88,978	1/2	99,711
3/4	3,378	3/4	14,089	3/4	24,821	3/4	35,531	3/4	46,265	3/4	57,000	3/4	67,734	3/4	78,469	3/4	89,202	3/4	99,935
7	3,597	7	14,312	7	25,045	7	35,755	7	46,489	7	57,223	7	67,958	7	78,692	7	89,426	7	100,158
1/4	3,818	1/4	14,536	1/4	25,268	1/4	35,978	1/4	46,713	1/4	57,447	1/4	68,182	1/4	78,916	1/4	89,649	1/4	100,382
1/2	4,039	1/2	14,759	1/2	25,491	1/2	36,202	1/2	46,936	1/2	57,671	1/2	68,405	1/2	79,140	1/2	89,873	1/2	100,605
3/4	4,260	3/4	14,983	3/4	25,715	3/4	36,426	3/4	47,160	3/4	57,894	3/4	68,629	3/4	79,363	3/4	90,096	3/4	100,829
8	4,482	8	15,207	8	25,938	8	36,649	8	47,384	8	58,118	8	68,852	8	79,587	8	90,320	8	101,053
1/4	4,704	1/4	15,430	1/4	26,161	1/4	36,873	1/4	47,607	1/4	58,342	1/4	69,076	1/4	79,810	1/4	90,544	1/4	101,276
1/2	4,926	1/2	15,654	1/2	26,384	1/2	37,096	1/2	47,831	1/2	58,565	1/2	69,300	1/2	80,034	1/2	90,767	1/2	101,500
3/4	5,148	3/4	15,878	3/4	26,607	3/4	37,320	3/4	48,055	3/4	58,789	3/4	69,523	3/4	80,258	3/4	90,991	3/4	101,723
9	5,371	9	16,101	9	26,829	9	37,544	9	48,278	9	59,013	9	69,747	9	80,481	9	91,214	9	101,947
1/4	5,594	1/4	16,325	1/4	27,052	1/4	37,767	1/4	48,502	1/4	59,236	1/4	69,971	1/4	80,705	1/4	91,438	1/4	102,171
1/2	5,817	1/2	16,548	1/2	27,275	1/2	37,991	1/2	48,725	1/2	59,460	1/2	70,194	1/2	80,929	1/2	91,662	1/2	102,394
3/4	6,040	3/4	16,772	3/4	27,498	3/4	38,215	3/4	48,949	3/4	59,683	3/4	70,418	3/4	81,152	3/4	91,885	3/4	102,618
10	6,263	10	16,996	10	27,721	10	38,438	10	49,173	10	59,907	10	70,641	10	81,376	10	92,109	10	102,841
1/4	6,486	1/4	17,219	1/4	27,944	1/4	38,662	1/4	49,396	1/4	60,131	1/4	70,865	1/4	81,600	1/4	92,332	1/4	103,065
1/2	6,709	1/2	17,443	1/2	28,167	1/2	38,886	1/2	49,620	1/2	60,354	1/2	71,089	1/2	81,823	1/2	92,556	1/2	103,289
3/4	6,933	3/4	17,667	3/4	28,390	3/4	39,109	3/4	49,844	3/4	60,578	3/4	71,312	3/4	82,047	3/4	92,780	3/4	103,512
11	7,156	11	17,890	11	28,613	11	39,333	11	50,067	11	60,802	11	71,536	11	82,270	11	93,003	11	103,736
1/4	7,380	1/4	18,114	1/4	28,836	1/4	39,556	1/4	50,291	1/4	61,025	1/4	71,760	1/4	82,494	1/4	93,227	1/4	103,959
1/2	7,603	1/2	18,337	1/2	29,059	1/2	39,780	1/2	50,514	1/2	61,249	1/2	71,983	1/2	82,718	1/2	93,450	1/2	104,183
3/4	7,827	3/4	18,561	3/4	29,282	3/4	40,004	3/4	50,738	3/4	61,473	3/4	72,207	3/4	82,941	3/4	93,674	3/4	104,407

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'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "CBC 1393"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	104,630	0	115,363	0	126,095	0	136,769	0	147,410	0		0		0		0		0	
1/4	104,854	1/4	115,586	1/4	126,318	1/4	136,991	1/4	147,630	1/4		1/4		1/4		1/4		1/4	
1/2	105,077	1/2	115,810	1/2	126,540	1/2	137,214	1/2	147,851	1/2		1/2		1/2		1/2		1/2	
3/4	105,301	3/4	116,034	3/4	126,762	3/4	137,436	3/4	148,071	3/4		3/4		3/4		3/4		3/4	
1	105,525	1	116,257	1	126,985	1	137,659	1	148,291	1		1		1		1		1	
1/4	105,748	1/4	116,481	1/4	127,207	1/4	137,881	1/4	148,511	1/4		1/4		1/4		1/4		1/4	
1/2	105,972	1/2	116,704	1/2	127,430	1/2	138,103	1/2	148,732	1/2		1/2		1/2		1/2		1/2	
3/4	106,195	3/4	116,928	3/4	127,652	3/4	138,326	3/4	148,952	3/4		3/4		3/4		3/4		3/4	
2	106,419	2	117,151	2	127,874	2	138,548	2	149,172	2		2		2		2		2	
1/4	106,643	1/4	117,375	1/4	128,097	1/4	138,770	1/4	149,374	1/4		1/4		1/4		1/4		1/4	
1/2	106,866	1/2	117,599	1/2	128,319	1/2	138,993	1/2	149,576	1/2		1/2		1/2		1/2		1/2	
3/4	107,090	3/4	117,822	3/4	128,541	3/4	139,215	3/4	149,777	3/4		3/4		3/4		3/4		3/4	
3	107,313	3	118,046	3	128,764	3	139,437	3	149,979	3		3		3		3		3	
1/4	107,537	1/4	118,269	1/4	128,986	1/4	139,660	1/4	150,144	1/4		1/4		1/4		1/4		1/4	
1/2	107,760	1/2	118,493	1/2	129,208	1/2	139,882	1/2	150,308	1/2		1/2		1/2		1/2		1/2	
3/4	107,984	3/4	118,717	3/4	129,431	3/4	140,105	3/4	150,472	3/4		3/4		3/4		3/4		3/4	
4	108,208	4	118,940	4	129,653	4	140,327	4	150,637	4		4		4		4		4	
1/4	108,431	1/4	119,164	1/4	129,876	1/4	140,549	1/4	150,764	1/4		1/4		1/4		1/4		1/4	
1/2	108,655	1/2	119,387	1/2	130,098	1/2	140,772	1/2	150,891	1/2		1/2		1/2		1/2		1/2	
3/4	108,878	3/4	119,611	3/4	130,320	3/4	140,994	3/4	151,018	3/4		3/4		3/4		3/4		3/4	
5	109,102	5	119,835	5	130,543	5	141,216	5	151,145	5		5		5		5		5	
1/4	109,326	1/4	120,058	1/4	130,765	1/4	141,439	1/4	151,235	1/4		1/4		1/4		1/4		1/4	
1/2	109,549	1/2	120,282	1/2	130,987	1/2	141,661	1/2	151,325	1/2		1/2		1/2		1/2		1/2	
3/4	109,773	3/4	120,505	3/4	131,210	3/4	141,884	3/4	151,415	3/4		3/4		3/4		3/4		3/4	
6	109,996	6	120,729	6	131,432	6	142,106	6	151,505	6		6		6		6		6	
1/4	110,220	1/4	120,953	1/4	131,655	1/4	142,328	1/4	151,557	1/4		1/4		1/4		1/4		1/4	
1/2	110,444	1/2	121,176	1/2	131,877	1/2	142,551	1/2	151,610	1/2		1/2		1/2		1/2		1/2	
3/4	110,667	3/4	121,400	3/4	132,099	3/4	142,773	3/4	151,663	3/4		3/4		3/4		3/4		3/4	
7	110,891	7	121,623	7	132,322	7	142,995	7	151,715	7		7		7		7		7	
1/4	111,114	1/4	121,847	1/4	132,544	1/4	143,218	1/4	151,730	1/4		1/4		1/4		1/4		1/4	
1/2	111,338	1/2	122,071	1/2	132,766	1/2	143,440	1/2	151,746	1/2		1/2		1/2		1/2		1/2	
3/4	111,562	3/4	122,294	3/4	132,989	3/4	143,663	3/4	151,761	3/4		3/4		3/4		3/4		3/4	
8	111,785	8	122,518	8	133,211	8	143,885	8	151,776	8		8		8		8		8	
1/4	112,009	1/4	122,741	1/4	133,434	1/4	144,105	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	112,232	1/2	122,965	1/2	133,656	1/2	144,326	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	112,456	3/4	123,189	3/4	133,878	3/4	144,546	3/4		3/4		3/4		3/4		3/4		3/4	
9	112,680	9	123,412	9	134,101	9	144,766	9		9		9		9		9		9	
1/4	112,903	1/4	123,636	1/4	134,323	1/4	144,986	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	113,127	1/2	123,859	1/2	134,545	1/2	145,207	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	113,350	3/4	124,083	3/4	134,768	3/4	145,427	3/4		3/4		3/4		3/4		3/4		3/4	
10	113,574	10	124,307	10	134,990	10	145,647	10		10		10		10		10		10	
1/4	113,798	1/4	124,530	1/4	135,212	1/4	145,868	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	114,021	1/2	124,754	1/2	135,435	1/2	146,088	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	114,245	3/4	124,977	3/4	135,657	3/4	146,308	3/4		3/4		3/4		3/4		3/4		3/4	
11	114,468	11	125,201	11	135,880	11	146,529	11		11		11		11		11		11	
1/4	114,692	1/4	125,425	1/4	136,102	1/4	146,749	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	114,916	1/2	125,648	1/2	136,324	1/2	146,969	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	115,139	3/4	125,872	3/4	136,547	3/4	147,190	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/12/2017 SW
CALCULATED: 06/13/2017 CL
PRINTED: 06/13/2017 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2017

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 1393"

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 CENTER	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-1/8	- 01-1/8	01-3/8	- 01-3/8
2 CENTER	- 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
3 CENTER	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-3/4	00-3/4	- 01-1/8	01-1/8	- 01-3/8	01-3/8	- 01-5/8	01-5/8

(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 1 CENTER IS - 00-1/2"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED ULLAGE IS 3'-11 1/2"

LENGTH BETWEEN DRAFT MARKS: 161'-09"

June 12, 2017

**PRECISION MEASUREMENT
 & ANALYSIS, INC.**
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 Pearland, Texas 77588

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BARGE "CBC 1393"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 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	147,389	0	139,720	0	130,289	0	120,840	0	111,375	0	100,772	0	89,997	0	79,222
1/4		1/4		1/4	147,373	1/4	139,523	1/4	130,093	1/4	120,643	1/4	111,178	1/4	100,547	1/4	89,773	1/4	78,998
1/2		1/2		1/2	147,357	1/2	139,326	1/2	129,897	1/2	120,446	1/2	110,981	1/2	100,323	1/2	89,548	1/2	78,773
3/4		3/4		3/4	147,303	3/4	139,129	3/4	129,701	3/4	120,248	3/4	110,784	3/4	100,098	3/4	89,324	3/4	78,549
1		1		1	147,249	1	138,933	1	129,505	1	120,051	1	110,587	1	99,874	1	89,099	1	78,324
1/4		1/4		1/4	147,196	1/4	138,736	1/4	129,309	1/4	119,854	1/4	110,390	1/4	99,649	1/4	88,875	1/4	78,100
1/2		1/2		1/2	147,142	1/2	138,539	1/2	129,113	1/2	119,657	1/2	110,193	1/2	99,425	1/2	88,650	1/2	77,875
3/4		3/4		3/4	147,051	3/4	138,342	3/4	128,916	3/4	119,459	3/4	109,969	3/4	99,200	3/4	88,426	3/4	77,651
2		2		2	146,960	2	138,146	2	128,719	2	119,262	2	109,745	2	98,976	2	88,202	2	77,426
1/4		1/4		1/4	146,869	1/4	137,949	1/4	128,522	1/4	119,065	1/4	109,520	1/4	98,751	1/4	87,977	1/4	77,202
1/2		1/2		1/2	146,778	1/2	137,752	1/2	128,326	1/2	118,868	1/2	109,296	1/2	98,527	1/2	87,753	1/2	76,977
3/4		3/4		3/4	146,649	3/4	137,556	3/4	128,129	3/4	118,670	3/4	109,072	3/4	98,302	3/4	87,528	3/4	76,754
3		3		3	146,521	3	137,359	3	127,932	3	118,473	3	108,848	3	98,078	3	87,304	3	76,530
1/4		1/4		1/4	146,392	1/4	137,162	1/4	127,735	1/4	118,276	1/4	108,624	1/4	97,854	1/4	87,079	1/4	76,306
1/2		1/2		1/2	146,264	1/2	136,965	1/2	127,539	1/2	118,078	1/2	108,399	1/2	97,629	1/2	86,855	1/2	76,082
3/4		3/4		3/4	146,098	3/4	136,769	3/4	127,342	3/4	117,881	3/4	108,175	3/4	97,405	3/4	86,630	3/4	75,859
4		4		4	145,932	4	136,572	4	127,145	4	117,684	4	107,951	4	97,180	4	86,406	4	75,636
1/4		1/4		1/4	145,765	1/4	136,375	1/4	126,949	1/4	117,487	1/4	107,727	1/4	96,956	1/4	86,181	1/4	75,413
1/2		1/2		1/2	145,599	1/2	136,178	1/2	126,752	1/2	117,289	1/2	107,503	1/2	96,731	1/2	85,957	1/2	75,190
3/4		3/4		3/4	145,396	3/4	135,982	3/4	126,555	3/4	117,092	3/4	107,278	3/4	96,507	3/4	85,732	3/4	74,967
5		5		5	145,192	5	135,785	5	126,358	5	116,895	5	107,054	5	96,282	5	85,508	5	74,744
1/4		1/4		1/4	144,989	1/4	135,588	1/4	126,162	1/4	116,698	1/4	106,830	1/4	96,058	1/4	85,283	1/4	74,521
1/2		1/2		1/2	144,785	1/2	135,391	1/2	125,965	1/2	116,500	1/2	106,606	1/2	95,833	1/2	85,059	1/2	74,298
3/4		3/4		3/4	144,590	3/4	135,195	3/4	125,768	3/4	116,303	3/4	106,381	3/4	95,609	3/4	84,835	3/4	74,075
6		6		6	144,396	6	134,998	6	125,571	6	116,106	6	106,157	6	95,384	6	84,610	6	73,852
1/4		1/4		1/4	144,201	1/4	134,801	1/4	125,375	1/4	115,909	1/4	105,933	1/4	95,160	1/4	84,386	1/4	73,629
1/2		1/2		1/2	144,006	1/2	134,604	1/2	125,178	1/2	115,711	1/2	105,709	1/2	94,935	1/2	84,161	1/2	73,406
3/4		3/4		3/4	143,812	3/4	134,408	3/4	124,981	3/4	115,514	3/4	105,485	3/4	94,711	3/4	83,937	3/4	73,183
7		7		7	143,617	7	134,211	7	124,784	7	115,317	7	105,260	7	94,487	7	83,712	7	72,960
1/4		1/4		1/4	143,422	1/4	134,014	1/4	124,588	1/4	115,120	1/4	105,036	1/4	94,262	1/4	83,488	1/4	72,737
1/2		1/2		1/2	143,228	1/2	133,817	1/2	124,391	1/2	114,922	1/2	104,812	1/2	94,038	1/2	83,263	1/2	72,514
3/4		3/4		3/4	143,033	3/4	133,621	3/4	124,194	3/4	114,725	3/4	104,587	3/4	93,813	3/4	83,039	3/4	72,291
8		8		8	142,838	8	133,425	8	123,996	8	114,528	8	104,363	8	93,589	8	82,814	8	72,068
1/4		1/4		1/4	142,644	1/4	133,229	1/4	123,799	1/4	114,331	1/4	104,139	1/4	93,364	1/4	82,590	1/4	71,845
1/2		1/2		1/2	142,449	1/2	133,033	1/2	123,602	1/2	114,134	1/2	103,914	1/2	93,140	1/2	82,365	1/2	71,621
3/4		3/4		3/4	142,254	3/4	132,837	3/4	123,405	3/4	113,937	3/4	103,690	3/4	92,915	3/4	82,141	3/4	71,398
9		9		9	142,060	9	132,641	9	123,207	9	113,740	9	103,465	9	92,691	9	81,916	9	71,175
1/4		1/4		1/4	141,865	1/4	132,445	1/4	123,010	1/4	113,543	1/4	103,241	1/4	92,466	1/4	81,692	1/4	70,952
1/2		1/2		1/2	141,670	1/2	132,249	1/2	122,813	1/2	113,346	1/2	103,016	1/2	92,242	1/2	81,467	1/2	70,729
3/4		3/4		3/4	141,476	3/4	132,053	3/4	122,616	3/4	113,149	3/4	102,792	3/4	92,017	3/4	81,243	3/4	70,506
10		10		10	141,281	10	131,857	10	122,418	10	112,952	10	102,567	10	91,793	10	81,018	10	70,283
1/4		1/4		1/4	141,086	1/4	131,661	1/4	122,221	1/4	112,755	1/4	102,343	1/4	91,569	1/4	80,794	1/4	70,060
1/2		1/2		1/2	140,892	1/2	131,465	1/2	122,024	1/2	112,558	1/2	102,118	1/2	91,344	1/2	80,569	1/2	69,837
3/4		3/4		3/4	140,697	3/4	131,269	3/4	121,826	3/4	112,361	3/4	101,894	3/4	91,120	3/4	80,345	3/4	69,613
11		11		11	140,502	11	131,073	11	121,629	11	112,164	11	101,669	11	90,895	11	80,120	11	69,389
1/4		1/4		1/4	140,308	1/4	130,877	1/4	121,432	1/4	111,967	1/4	101,445	1/4	90,671	1/4	79,896	1/4	69,166
1/2		1/2		1/2	147,421	1/2	140,113	1/2	130,681	1/2	121,235	1/2	111,770	1/2	90,446	1/2	79,671	1/2	68,942
3/4		3/4		3/4	147,405	3/4	139,916	3/4	130,485	3/4	121,037	3/4	111,572	3/4	90,222	3/4	79,447	3/4	68,718

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 29'-09" FORWARD OF AFT BULKHEAD.

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



BARGE "CBC 1393"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 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	68,494	0	57,727	0	46,956	0	36,185	0	25,611	0	14,848	0	4,063	0		0		0	
1/4	68,270	1/4	57,502	1/4	46,731	1/4	35,960	1/4	25,392	1/4	14,623	1/4	3,840	1/4		1/4		1/4	
1/2	68,047	1/2	57,278	1/2	46,507	1/2	35,736	1/2	25,173	1/2	14,398	1/2	3,618	1/2		1/2		1/2	
3/4	67,823	3/4	57,054	3/4	46,283	3/4	35,512	3/4	24,954	3/4	14,173	3/4	3,398	3/4		3/4		3/4	
1	67,599	1	56,829	1	46,058	1	35,287	1	24,735	1	13,948	1	3,177	1		1		1	
1/4	67,375	1/4	56,605	1/4	45,834	1/4	35,063	1/4	24,516	1/4	13,723	1/4	2,957	1/4		1/4		1/4	
1/2	67,151	1/2	56,380	1/2	45,609	1/2	34,838	1/2	24,297	1/2	13,498	1/2	2,736	1/2		1/2		1/2	
3/4	66,927	3/4	56,156	3/4	45,385	3/4	34,614	3/4	24,072	3/4	13,273	3/4	2,530	3/4		3/4		3/4	
2	66,703	2	55,932	2	45,161	2	34,390	2	23,847	2	13,048	2	2,325	2		2		2	
1/4	66,478	1/4	55,707	1/4	44,936	1/4	34,165	1/4	23,622	1/4	12,823	1/4	2,119	1/4		1/4		1/4	
1/2	66,254	1/2	55,483	1/2	44,712	1/2	33,941	1/2	23,397	1/2	12,598	1/2	1,914	1/2		1/2		1/2	
3/4	66,029	3/4	55,258	3/4	44,487	3/4	33,716	3/4	23,172	3/4	12,373	3/4	1,745	3/4		3/4		3/4	
3	65,805	3	55,034	3	44,263	3	33,492	3	22,947	3	12,148	3	1,576	3		3		3	
1/4	65,581	1/4	54,810	1/4	44,039	1/4	33,268	1/4	22,722	1/4	11,923	1/4	1,408	1/4		1/4		1/4	
1/2	65,356	1/2	54,585	1/2	43,814	1/2	33,043	1/2	22,497	1/2	11,698	1/2	1,239	1/2		1/2		1/2	
3/4	65,132	3/4	54,361	3/4	43,590	3/4	32,825	3/4	22,272	3/4	11,473	3/4	1,108	3/4		3/4		3/4	
4	64,907	4	54,136	4	43,365	4	32,606	4	22,047	4	11,248	4	976	4		4		4	
1/4	64,683	1/4	53,912	1/4	43,141	1/4	32,387	1/4	21,822	1/4	11,023	1/4	845	1/4		1/4		1/4	
1/2	64,459	1/2	53,688	1/2	42,917	1/2	32,169	1/2	21,597	1/2	10,798	1/2	714	1/2		1/2		1/2	
3/4	64,234	3/4	53,463	3/4	42,692	3/4	31,950	3/4	21,372	3/4	10,573	3/4	620	3/4		3/4		3/4	
5	64,010	5	53,239	5	42,468	5	31,732	5	21,147	5	10,348	5	527	5		5		5	
1/4	63,785	1/4	53,014	1/4	42,243	1/4	31,513	1/4	20,922	1/4	10,123	1/4	433	1/4		1/4		1/4	
1/2	63,561	1/2	52,790	1/2	42,019	1/2	31,295	1/2	20,697	1/2	9,898	1/2	339	1/2		1/2		1/2	
3/4	63,337	3/4	52,566	3/4	41,795	3/4	31,076	3/4	20,472	3/4	9,673	3/4	283	3/4		3/4		3/4	
6	63,112	6	52,341	6	41,570	6	30,857	6	20,247	6	9,448	6	227	6		6		6	
1/4	62,888	1/4	52,117	1/4	41,346	1/4	30,639	1/4	20,022	1/4	9,223	1/4	170	1/4		1/4		1/4	
1/2	62,663	1/2	51,892	1/2	41,121	1/2	30,420	1/2	19,797	1/2	8,999	1/2	114	1/2		1/2		1/2	
3/4	62,439	3/4	51,668	3/4	40,897	3/4	30,202	3/4	19,572	3/4	8,774	3/4	95	3/4		3/4		3/4	
7	62,215	7	51,444	7	40,673	7	29,983	7	19,347	7	8,549	7	77	7		7		7	
1/4	61,990	1/4	51,219	1/4	40,448	1/4	29,765	1/4	19,123	1/4	8,324	1/4	58	1/4		1/4		1/4	
1/2	61,766	1/2	50,995	1/2	40,224	1/2	29,546	1/2	18,898	1/2	8,099	1/2	39	1/2		1/2		1/2	
3/4	61,541	3/4	50,770	3/4	39,999	3/4	29,327	3/4	18,673	3/4	7,874	3/4		3/4		3/4		3/4	
8	61,317	8	50,546	8	39,775	8	29,109	8	18,448	8	7,649	8		8		8		8	
1/4	61,093	1/4	50,322	1/4	39,551	1/4	28,890	1/4	18,223	1/4	7,424	1/4		1/4		1/4		1/4	
1/2	60,868	1/2	50,097	1/2	39,326	1/2	28,672	1/2	17,998	1/2	7,199	1/2		1/2		1/2		1/2	
3/4	60,644	3/4	49,873	3/4	39,102	3/4	28,453	3/4	17,773	3/4	6,974	3/4		3/4		3/4		3/4	
9	60,420	9	49,649	9	38,878	9	28,235	9	17,548	9	6,749	9		9		9		9	
1/4	60,195	1/4	49,424	1/4	38,653	1/4	28,016	1/4	17,323	1/4	6,524	1/4		1/4		1/4		1/4	
1/2	59,971	1/2	49,200	1/2	38,429	1/2	27,797	1/2	17,098	1/2	6,300	1/2		1/2		1/2		1/2	
3/4	59,746	3/4	48,975	3/4	38,204	3/4	27,579	3/4	16,873	3/4	6,075	3/4		3/4		3/4		3/4	
10	59,522	10	48,751	10	37,980	10	27,360	10	16,648	10	5,851	10		10		10		10	
1/4	59,298	1/4	48,527	1/4	37,756	1/4	27,142	1/4	16,423	1/4	5,627	1/4		1/4		1/4		1/4	
1/2	59,073	1/2	48,302	1/2	37,531	1/2	26,923	1/2	16,198	1/2	5,402	1/2		1/2		1/2		1/2	
3/4	58,849	3/4	48,078	3/4	37,307	3/4	26,704	3/4	15,973	3/4	5,179	3/4		3/4		3/4		3/4	
11	58,624	11	47,853	11	37,082	11	26,486	11	15,748	11	4,955	11		11		11		11	
1/4	58,400	1/4	47,629	1/4	36,858	1/4	26,267	1/4	15,523	1/4	4,731	1/4		1/4		1/4		1/4	
1/2	58,176	1/2	47,405	1/2	36,634	1/2	26,049	1/2	15,298	1/2	4,508	1/2		1/2		1/2		1/2	
3/4	57,951	3/4	47,180	3/4	36,409	3/4	25,830	3/4	15,073	3/4	4,285	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/12/2017 SW
CALCULATED: 06/13/2017 CL
PRINTED: 06/13/2017 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2017

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 1393"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	170,751	0	161,625	0	149,598	0	137,546	0	125,451	0	113,357	0	101,262	0	89,166
1/4		1/4		1/4	170,734	1/4	161,375	1/4	149,347	1/4	137,294	1/4	125,200	1/4	113,105	1/4	101,010	1/4	88,914
1/2		1/2		1/2	170,716	1/2	161,124	1/2	149,097	1/2	137,042	1/2	124,948	1/2	112,853	1/2	100,758	1/2	88,662
3/4		3/4		3/4	170,699	3/4	160,874	3/4	148,846	3/4	136,790	3/4	124,696	3/4	112,601	3/4	100,506	3/4	88,410
1		1		1	170,640	1	160,623	1	148,595	1	136,538	1	124,444	1	112,349	1	100,254	1	88,158
1/4		1/4		1/4	170,581	1/4	160,372	1/4	148,345	1/4	136,286	1/4	124,192	1/4	112,097	1/4	100,002	1/4	87,906
1/2		1/2		1/2	170,521	1/2	160,122	1/2	148,094	1/2	136,034	1/2	123,940	1/2	111,845	1/2	99,750	1/2	87,654
3/4		3/4		3/4	170,462	3/4	159,871	3/4	147,844	3/4	135,782	3/4	123,688	3/4	111,593	3/4	99,498	3/4	87,402
2		2		2	170,361	2	159,621	2	147,593	2	135,530	2	123,436	2	111,341	2	99,246	2	87,150
1/4		1/4		1/4	170,260	1/4	159,370	1/4	147,343	1/4	135,279	1/4	123,184	1/4	111,089	1/4	98,994	1/4	86,898
1/2		1/2		1/2	170,158	1/2	159,119	1/2	147,092	1/2	135,027	1/2	122,932	1/2	110,837	1/2	98,742	1/2	86,646
3/4		3/4		3/4	170,057	3/4	158,869	3/4	146,841	3/4	134,775	3/4	122,680	3/4	110,585	3/4	98,490	3/4	86,394
3		3		3	169,914	3	158,618	3	146,591	3	134,523	3	122,428	3	110,333	3	98,238	3	86,142
1/4		1/4		1/4	169,771	1/4	158,368	1/4	146,340	1/4	134,271	1/4	122,176	1/4	110,081	1/4	97,986	1/4	85,890
1/2		1/2		1/2	169,627	1/2	158,117	1/2	146,090	1/2	134,019	1/2	121,924	1/2	109,829	1/2	97,734	1/2	85,638
3/4		3/4		3/4	169,484	3/4	157,867	3/4	145,839	3/4	133,767	3/4	121,672	3/4	109,577	3/4	97,482	3/4	85,386
4		4		4	169,299	4	157,616	4	145,588	4	133,515	4	121,420	4	109,325	4	97,230	4	85,134
1/4		1/4		1/4	169,114	1/4	157,365	1/4	145,338	1/4	133,263	1/4	121,168	1/4	109,073	1/4	96,978	1/4	84,882
1/2		1/2		1/2	168,928	1/2	157,115	1/2	145,087	1/2	133,011	1/2	120,916	1/2	108,821	1/2	96,726	1/2	84,630
3/4		3/4		3/4	168,743	3/4	156,864	3/4	144,837	3/4	132,759	3/4	120,664	3/4	108,569	3/4	96,474	3/4	84,378
5		5		5	168,516	5	156,614	5	144,586	5	132,507	5	120,412	5	108,317	5	96,222	5	84,126
1/4		1/4		1/4	168,289	1/4	156,363	1/4	144,336	1/4	132,255	1/4	120,160	1/4	108,065	1/4	95,970	1/4	83,874
1/2		1/2		1/2	168,061	1/2	156,113	1/2	144,085	1/2	132,003	1/2	119,908	1/2	107,813	1/2	95,718	1/2	83,622
3/4		3/4		3/4	167,834	3/4	155,862	3/4	143,834	3/4	131,751	3/4	119,656	3/4	107,561	3/4	95,466	3/4	83,370
6		6		6	167,586	6	155,611	6	143,584	6	131,499	6	119,404	6	107,309	6	95,214	6	83,118
1/4		1/4		1/4	167,338	1/4	155,361	1/4	143,333	1/4	131,247	1/4	119,152	1/4	107,057	1/4	94,963	1/4	82,866
1/2		1/2		1/2	167,089	1/2	155,110	1/2	143,083	1/2	130,995	1/2	118,900	1/2	106,805	1/2	94,711	1/2	82,614
3/4		3/4		3/4	166,841	3/4	154,860	3/4	142,832	3/4	130,743	3/4	118,648	3/4	106,553	3/4	94,459	3/4	82,362
7		7		7	166,593	7	154,609	7	142,582	7	130,491	7	118,396	7	106,301	7	94,207	7	82,110
1/4		1/4		1/4	166,344	1/4	154,359	1/4	142,331	1/4	130,239	1/4	118,144	1/4	106,049	1/4	93,955	1/4	81,858
1/2		1/2		1/2	166,096	1/2	154,108	1/2	142,080	1/2	129,987	1/2	117,892	1/2	105,797	1/2	93,703	1/2	81,606
3/4		3/4		3/4	165,848	3/4	153,857	3/4	141,830	3/4	129,735	3/4	117,640	3/4	105,545	3/4	93,451	3/4	81,354
8		8		8	165,600	8	153,607	8	141,578	8	129,483	8	117,388	8	105,293	8	93,199	8	81,102
1/4		1/4		1/4	165,351	1/4	153,356	1/4	141,326	1/4	129,231	1/4	117,136	1/4	105,042	1/4	92,947	1/4	80,850
1/2		1/2		1/2	165,103	1/2	153,106	1/2	141,074	1/2	128,979	1/2	116,884	1/2	104,790	1/2	92,695	1/2	80,598
3/4		3/4		3/4	164,855	3/4	152,855	3/4	140,822	3/4	128,727	3/4	116,632	3/4	104,538	3/4	92,443	3/4	80,346
9		9		9	164,607	9	152,605	9	140,570	9	128,475	9	116,380	9	104,286	9	92,191	9	80,094
1/4		1/4		1/4	164,358	1/4	152,354	1/4	140,318	1/4	128,223	1/4	116,128	1/4	104,034	1/4	91,939	1/4	79,842
1/2		1/2		1/2	164,110	1/2	152,103	1/2	140,066	1/2	127,971	1/2	115,876	1/2	103,782	1/2	91,687	1/2	79,590
3/4		3/4		3/4	163,862	3/4	151,853	3/4	139,814	3/4	127,719	3/4	115,624	3/4	103,530	3/4	91,435	3/4	79,338
10		10		10	163,614	10	151,602	10	139,562	10	127,467	10	115,372	10	103,278	10	91,182	10	79,086
1/4		1/4		1/4	163,365	1/4	151,352	1/4	139,310	1/4	127,215	1/4	115,121	1/4	103,026	1/4	90,930	1/4	78,834
1/2		1/2		1/2	163,117	1/2	151,101	1/2	139,058	1/2	126,963	1/2	114,869	1/2	102,774	1/2	90,678	1/2	78,582
3/4		3/4		3/4	162,869	3/4	150,851	3/4	138,806	3/4	126,711	3/4	114,617	3/4	102,522	3/4	90,426	3/4	78,330
11		11		11	162,621	11	150,600	11	138,554	11	126,459	11	114,365	11	102,270	11	90,174	11	78,078
1/4		1/4		1/4	162,372	1/4	150,349	1/4	138,302	1/4	126,207	1/4	114,113	1/4	102,018	1/4	89,922	1/4	77,826
1/2		1/2		1/2	162,124	1/2	150,099	1/2	138,050	1/2	125,955	1/2	113,861	1/2	101,766	1/2	89,670	1/2	77,573
3/4		3/4		3/4	161,876	3/4	149,848	3/4	137,798	3/4	125,703	3/4	113,609	3/4	101,514	3/4	89,418	3/4	77,321

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 29'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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 Pearland, Texas 77588
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BARGE "CBC 1393"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	77,069	0	64,973	0	52,876	0	40,779	0	28,955	0	16,880	0	4,796	0		0		0	
1/4	76,817	1/4	64,721	1/4	52,624	1/4	40,527	1/4	28,710	1/4	16,628	1/4	4,547	1/4		1/4		1/4	
1/2	76,565	1/2	64,469	1/2	52,372	1/2	40,275	1/2	28,465	1/2	16,376	1/2	4,298	1/2		1/2		1/2	
3/4	76,313	3/4	64,217	3/4	52,120	3/4	40,023	3/4	28,220	3/4	16,124	3/4	4,049	3/4		3/4		3/4	
1	76,061	1	63,964	1	51,868	1	39,771	1	27,968	1	15,872	1	3,802	1		1		1	
1/4	75,809	1/4	63,712	1/4	51,616	1/4	39,519	1/4	27,716	1/4	15,620	1/4	3,555	1/4		1/4		1/4	
1/2	75,557	1/2	63,460	1/2	51,364	1/2	39,267	1/2	27,464	1/2	15,368	1/2	3,308	1/2		1/2		1/2	
3/4	75,305	3/4	63,208	3/4	51,112	3/4	39,015	3/4	27,212	3/4	15,116	3/4	3,061	3/4		3/4		3/4	
2	75,053	2	62,956	2	50,860	2	38,763	2	26,960	2	14,864	2	2,830	2		2		2	
1/4	74,801	1/4	62,704	1/4	50,608	1/4	38,511	1/4	26,708	1/4	14,612	1/4	2,600	1/4		1/4		1/4	
1/2	74,549	1/2	62,452	1/2	50,355	1/2	38,259	1/2	26,456	1/2	14,360	1/2	2,370	1/2		1/2		1/2	
3/4	74,297	3/4	62,200	3/4	50,103	3/4	38,007	3/4	26,204	3/4	14,108	3/4	2,139	3/4		3/4		3/4	
3	74,045	3	61,948	3	49,851	3	37,762	3	25,952	3	13,856	3	1,950	3		3		3	
1/4	73,793	1/4	61,696	1/4	49,599	1/4	37,517	1/4	25,700	1/4	13,604	1/4	1,761	1/4		1/4		1/4	
1/2	73,541	1/2	61,444	1/2	49,347	1/2	37,272	1/2	25,448	1/2	13,352	1/2	1,572	1/2		1/2		1/2	
3/4	73,289	3/4	61,192	3/4	49,095	3/4	37,027	3/4	25,196	3/4	13,100	3/4	1,383	3/4		3/4		3/4	
4	73,037	4	60,940	4	48,843	4	36,782	4	24,944	4	12,848	4	1,236	4		4		4	
1/4	72,785	1/4	60,688	1/4	48,591	1/4	36,538	1/4	24,692	1/4	12,596	1/4	1,089	1/4		1/4		1/4	
1/2	72,533	1/2	60,436	1/2	48,339	1/2	36,293	1/2	24,440	1/2	12,344	1/2	942	1/2		1/2		1/2	
3/4	72,281	3/4	60,184	3/4	48,087	3/4	36,048	3/4	24,188	3/4	12,092	3/4	795	3/4		3/4		3/4	
5	72,029	5	59,932	5	47,835	5	35,804	5	23,936	5	11,840	5	690	5		5		5	
1/4	71,777	1/4	59,680	1/4	47,583	1/4	35,559	1/4	23,684	1/4	11,588	1/4	585	1/4		1/4		1/4	
1/2	71,525	1/2	59,428	1/2	47,331	1/2	35,315	1/2	23,432	1/2	11,336	1/2	480	1/2		1/2		1/2	
3/4	71,273	3/4	59,176	3/4	47,079	3/4	35,070	3/4	23,180	3/4	11,084	3/4	375	3/4		3/4		3/4	
6	71,021	6	58,924	6	46,827	6	34,825	6	22,928	6	10,832	6	312	6		6		6	
1/4	70,769	1/4	58,672	1/4	46,575	1/4	34,581	1/4	22,676	1/4	10,580	1/4	249	1/4		1/4		1/4	
1/2	70,517	1/2	58,420	1/2	46,323	1/2	34,336	1/2	22,424	1/2	10,328	1/2	186	1/2		1/2		1/2	
3/4	70,265	3/4	58,168	3/4	46,071	3/4	34,092	3/4	22,172	3/4	10,076	3/4	123	3/4		3/4		3/4	
7	70,013	7	57,916	7	45,819	7	33,847	7	21,920	7	9,824	7	102	7		7		7	
1/4	69,761	1/4	57,664	1/4	45,567	1/4	33,603	1/4	21,668	1/4	9,572	1/4	81	1/4		1/4		1/4	
1/2	69,509	1/2	57,412	1/2	45,315	1/2	33,358	1/2	21,416	1/2	9,319	1/2	60	1/2		1/2		1/2	
3/4	69,257	3/4	57,160	3/4	45,063	3/4	33,113	3/4	21,164	3/4	9,067	3/4	39	3/4		3/4		3/4	
8	69,005	8	56,908	8	44,811	8	32,869	8	20,912	8	8,815	8		8		8		8	
1/4	68,753	1/4	56,656	1/4	44,559	1/4	32,624	1/4	20,660	1/4	8,564	1/4		1/4		1/4		1/4	
1/2	68,501	1/2	56,404	1/2	44,307	1/2	32,380	1/2	20,408	1/2	8,312	1/2		1/2		1/2		1/2	
3/4	68,249	3/4	56,152	3/4	44,055	3/4	32,135	3/4	20,156	3/4	8,060	3/4		3/4		3/4		3/4	
9	67,997	9	55,900	9	43,803	9	31,890	9	19,904	9	7,808	9		9		9		9	
1/4	67,745	1/4	55,648	1/4	43,551	1/4	31,646	1/4	19,652	1/4	7,556	1/4		1/4		1/4		1/4	
1/2	67,493	1/2	55,396	1/2	43,299	1/2	31,401	1/2	19,400	1/2	7,304	1/2		1/2		1/2		1/2	
3/4	67,241	3/4	55,144	3/4	43,047	3/4	31,157	3/4	19,148	3/4	7,052	3/4		3/4		3/4		3/4	
10	66,989	10	54,892	10	42,795	10	30,912	10	18,896	10	6,801	10		10		10		10	
1/4	66,737	1/4	54,640	1/4	42,543	1/4	30,667	1/4	18,644	1/4	6,550	1/4		1/4		1/4		1/4	
1/2	66,485	1/2	54,388	1/2	42,291	1/2	30,423	1/2	18,392	1/2	6,299	1/2		1/2		1/2		1/2	
3/4	66,233	3/4	54,136	3/4	42,039	3/4	30,178	3/4	18,140	3/4	6,047	3/4		3/4		3/4		3/4	
11	65,981	11	53,884	11	41,787	11	29,934	11	17,888	11	5,797	11		11		11		11	
1/4	65,729	1/4	53,632	1/4	41,535	1/4	29,689	1/4	17,636	1/4	5,546	1/4		1/4		1/4		1/4	
1/2	65,477	1/2	53,380	1/2	41,283	1/2	29,445	1/2	17,384	1/2	5,296	1/2		1/2		1/2		1/2	
3/4	65,225	3/4	53,128	3/4	41,031	3/4	29,200	3/4	17,132	3/4	5,045	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/12/2017 SW
CALCULATED: 06/13/2017 CL
PRINTED: 06/13/2017 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2017

PRECISION MEASUREMENT
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BARGE "CBC 1393"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	151,776	0	143,885	0	133,211	0	122,517	0	111,785	0	101,052	0	90,320	0	79,586
1/4		1/4		1/4	151,761	1/4	143,662	1/4	132,988	1/4	122,294	1/4	111,561	1/4	100,829	1/4	90,096	1/4	79,363
1/2		1/2		1/2	151,745	1/2	143,440	1/2	132,766	1/2	122,070	1/2	111,338	1/2	100,605	1/2	89,872	1/2	79,139
3/4		3/4		3/4	151,730	3/4	143,217	3/4	132,544	3/4	121,847	3/4	111,114	3/4	100,381	3/4	89,649	3/4	78,916
1		1		1	151,715	1	142,995	1	132,321	1	121,623	1	110,890	1	100,158	1	89,425	1	78,692
1/4		1/4		1/4	151,662	1/4	142,773	1/4	132,099	1/4	121,399	1/4	110,667	1/4	99,934	1/4	89,202	1/4	78,468
1/2		1/2		1/2	151,610	1/2	142,550	1/2	131,877	1/2	121,176	1/2	110,443	1/2	99,711	1/2	88,978	1/2	78,245
3/4		3/4		3/4	151,557	3/4	142,328	3/4	131,654	3/4	120,952	3/4	110,220	3/4	99,487	3/4	88,754	3/4	78,021
2		2		2	151,504	2	142,106	2	131,432	2	120,729	2	109,996	2	99,263	2	88,531	2	77,797
1/4		1/4		1/4	151,415	1/4	141,883	1/4	131,209	1/4	120,505	1/4	109,772	1/4	99,040	1/4	88,307	1/4	77,574
1/2		1/2		1/2	151,325	1/2	141,661	1/2	130,987	1/2	120,281	1/2	109,549	1/2	98,816	1/2	88,084	1/2	77,350
3/4		3/4		3/4	151,235	3/4	141,438	3/4	130,765	3/4	120,058	3/4	109,325	3/4	98,593	3/4	87,860	3/4	77,126
3		3		3	151,145	3	141,216	3	130,542	3	119,834	3	109,102	3	98,369	3	87,637	3	76,903
1/4		1/4		1/4	151,018	1/4	140,994	1/4	130,320	1/4	119,611	1/4	108,878	1/4	98,146	1/4	87,413	1/4	76,679
1/2		1/2		1/2	150,891	1/2	140,771	1/2	130,098	1/2	119,387	1/2	108,654	1/2	97,922	1/2	87,189	1/2	76,456
3/4		3/4		3/4	150,764	3/4	140,549	3/4	129,875	3/4	119,163	3/4	108,431	3/4	97,698	3/4	86,966	3/4	76,232
4		4		4	150,636	4	140,327	4	129,653	4	118,940	4	108,207	4	97,475	4	86,742	4	76,008
1/4		1/4		1/4	150,472	1/4	140,104	1/4	129,430	1/4	118,716	1/4	107,984	1/4	97,251	1/4	86,519	1/4	75,785
1/2		1/2		1/2	150,308	1/2	139,882	1/2	129,208	1/2	118,493	1/2	107,760	1/2	97,028	1/2	86,295	1/2	75,561
3/4		3/4		3/4	150,143	3/4	139,659	3/4	128,986	3/4	118,269	3/4	107,537	3/4	96,804	3/4	86,071	3/4	75,337
5		5		5	149,979	5	139,437	5	128,763	5	118,046	5	107,313	5	96,580	5	85,848	5	75,114
1/4		1/4		1/4	149,777	1/4	139,215	1/4	128,541	1/4	117,822	1/4	107,089	1/4	96,357	1/4	85,624	1/4	74,890
1/2		1/2		1/2	149,575	1/2	138,992	1/2	128,319	1/2	117,598	1/2	106,866	1/2	96,133	1/2	85,401	1/2	74,667
3/4		3/4		3/4	149,374	3/4	138,770	3/4	128,096	3/4	117,375	3/4	106,642	3/4	95,910	3/4	85,177	3/4	74,443
6		6		6	149,172	6	138,548	6	127,874	6	117,151	6	106,419	6	95,686	6	84,953	6	74,219
1/4		1/4		1/4	148,952	1/4	138,325	1/4	127,652	1/4	116,928	1/4	106,195	1/4	95,462	1/4	84,730	1/4	73,996
1/2		1/2		1/2	148,731	1/2	138,103	1/2	127,429	1/2	116,704	1/2	105,971	1/2	95,239	1/2	84,506	1/2	73,772
3/4		3/4		3/4	148,511	3/4	137,881	3/4	127,207	3/4	116,480	3/4	105,748	3/4	95,015	3/4	84,283	3/4	73,548
7		7		7	148,291	7	137,658	7	126,984	7	116,257	7	105,524	7	94,792	7	84,059	7	73,325
1/4		1/4		1/4	148,070	1/4	137,436	1/4	126,762	1/4	116,033	1/4	105,301	1/4	94,568	1/4	83,835	1/4	73,101
1/2		1/2		1/2	147,850	1/2	137,213	1/2	126,540	1/2	115,810	1/2	105,077	1/2	94,344	1/2	83,612	1/2	72,877
3/4		3/4		3/4	147,630	3/4	136,991	3/4	126,317	3/4	115,586	3/4	104,853	3/4	94,121	3/4	83,388	3/4	72,654
8		8		8	147,410	8	136,769	8	126,095	8	115,362	8	104,630	8	93,897	8	83,165	8	72,430
1/4		1/4		1/4	147,189	1/4	136,546	1/4	125,871	1/4	115,139	1/4	104,406	1/4	93,674	1/4	82,941	1/4	72,207
1/2		1/2		1/2	146,969	1/2	136,324	1/2	125,648	1/2	114,915	1/2	104,183	1/2	93,450	1/2	82,717	1/2	71,983
3/4		3/4		3/4	146,749	3/4	136,102	3/4	125,424	3/4	114,692	3/4	103,959	3/4	93,226	3/4	82,494	3/4	71,759
9		9		9	146,528	9	135,879	9	125,201	9	114,468	9	103,735	9	93,003	9	82,270	9	71,536
1/4		1/4		1/4	146,308	1/4	135,657	1/4	124,977	1/4	114,244	1/4	103,512	1/4	92,779	1/4	82,046	1/4	71,312
1/2		1/2		1/2	146,088	1/2	135,434	1/2	124,753	1/2	114,021	1/2	103,288	1/2	92,556	1/2	81,823	1/2	71,088
3/4		3/4		3/4	145,867	3/4	135,212	3/4	124,530	3/4	113,797	3/4	103,065	3/4	92,332	3/4	81,599	3/4	70,865
10		10		10	145,647	10	134,990	10	124,306	10	113,574	10	102,841	10	92,108	10	81,376	10	70,641
1/4		1/4		1/4	145,427	1/4	134,767	1/4	124,083	1/4	113,350	1/4	102,617	1/4	91,885	1/4	81,152	1/4	70,417
1/2		1/2		1/2	145,206	1/2	134,545	1/2	123,859	1/2	113,126	1/2	102,394	1/2	91,661	1/2	80,928	1/2	70,194
3/4		3/4		3/4	144,986	3/4	134,323	3/4	123,635	3/4	112,903	3/4	102,170	3/4	91,438	3/4	80,705	3/4	69,970
11		11		11	144,766	11	134,100	11	123,412	11	112,679	11	101,947	11	91,214	11	80,481	11	69,747
1/4		1/4		1/4	144,545	1/4	133,878	1/4	123,188	1/4	112,456	1/4	101,723	1/4	90,990	1/4	80,257	1/4	69,523
1/2		1/2		1/2	144,325	1/2	133,656	1/2	122,965	1/2	112,232	1/2	101,499	1/2	90,767	1/2	80,034	1/2	69,299
3/4		3/4		3/4	144,105	3/4	133,433	3/4	122,741	3/4	112,008	3/4	101,276	3/4	90,543	3/4	79,810	3/4	69,076

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'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "CBC 1393"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	68,852	0	58,118	0	47,383	0	36,649	0	25,937	0	15,206	0	4,481	0		0		0	
1/4	68,628	1/4	57,894	1/4	47,160	1/4	36,425	1/4	25,714	1/4	14,983	1/4	4,260	1/4	1/4	1/4	1/4	1/4	1/4
1/2	68,405	1/2	57,670	1/2	46,936	1/2	36,202	1/2	25,491	1/2	14,759	1/2	4,039	1/2	1/2	1/2	1/2	1/2	1/2
3/4	68,181	3/4	57,447	3/4	46,712	3/4	35,978	3/4	25,268	3/4	14,535	3/4	3,818	3/4	3/4	3/4	3/4	3/4	3/4
1	67,958	1	57,223	1	46,489	1	35,754	1	25,044	1	14,312	1	3,597	1	1	1	1	1	1
1/4	67,734	1/4	56,999	1/4	46,265	1/4	35,531	1/4	24,821	1/4	14,088	1/4	3,378	1/4	1/4	1/4	1/4	1/4	1/4
1/2	67,510	1/2	56,776	1/2	46,041	1/2	35,307	1/2	24,598	1/2	13,865	1/2	3,158	1/2	1/2	1/2	1/2	1/2	1/2
3/4	67,287	3/4	56,552	3/4	45,818	3/4	35,083	3/4	24,375	3/4	13,641	3/4	2,939	3/4	3/4	3/4	3/4	3/4	3/4
2	67,063	2	56,329	2	45,594	2	34,860	2	24,151	2	13,417	2	2,720	2	2	2	2	2	2
1/4	66,839	1/4	56,105	1/4	45,371	1/4	34,636	1/4	23,928	1/4	13,194	1/4	2,516	1/4	1/4	1/4	1/4	1/4	1/4
1/2	66,616	1/2	55,881	1/2	45,147	1/2	34,413	1/2	23,704	1/2	12,970	1/2	2,311	1/2	1/2	1/2	1/2	1/2	1/2
3/4	66,392	3/4	55,658	3/4	44,923	3/4	34,189	3/4	23,480	3/4	12,746	3/4	2,107	3/4	3/4	3/4	3/4	3/4	3/4
3	66,168	3	55,434	3	44,700	3	33,965	3	23,257	3	12,523	3	1,902	3	3	3	3	3	3
1/4	65,945	1/4	55,210	1/4	44,476	1/4	33,742	1/4	23,033	1/4	12,299	1/4	1,735	1/4	1/4	1/4	1/4	1/4	1/4
1/2	65,721	1/2	54,987	1/2	44,252	1/2	33,518	1/2	22,810	1/2	12,076	1/2	1,567	1/2	1/2	1/2	1/2	1/2	1/2
3/4	65,498	3/4	54,763	3/4	44,029	3/4	33,294	3/4	22,586	3/4	11,852	3/4	1,399	3/4	3/4	3/4	3/4	3/4	3/4
4	65,274	4	54,540	4	43,805	4	33,071	4	22,362	4	11,628	4	1,232	4	4	4	4	4	4
1/4	65,050	1/4	54,316	1/4	43,581	1/4	32,848	1/4	22,139	1/4	11,405	1/4	1,101	1/4	1/4	1/4	1/4	1/4	1/4
1/2	64,827	1/2	54,092	1/2	43,358	1/2	32,625	1/2	21,915	1/2	11,181	1/2	971	1/2	1/2	1/2	1/2	1/2	1/2
3/4	64,603	3/4	53,869	3/4	43,134	3/4	32,402	3/4	21,691	3/4	10,957	3/4	840	3/4	3/4	3/4	3/4	3/4	3/4
5	64,379	5	53,645	5	42,911	5	32,179	5	21,468	5	10,734	5	710	5	5	5	5	5	5
1/4	64,156	1/4	53,421	1/4	42,687	1/4	31,956	1/4	21,244	1/4	10,510	1/4	617	1/4	1/4	1/4	1/4	1/4	1/4
1/2	63,932	1/2	53,198	1/2	42,463	1/2	31,733	1/2	21,021	1/2	10,287	1/2	523	1/2	1/2	1/2	1/2	1/2	1/2
3/4	63,708	3/4	52,974	3/4	42,240	3/4	31,510	3/4	20,797	3/4	10,063	3/4	430	3/4	3/4	3/4	3/4	3/4	3/4
6	63,485	6	52,750	6	42,016	6	31,287	6	20,573	6	9,839	6	337	6	6	6	6	6	6
1/4	63,261	1/4	52,527	1/4	41,792	1/4	31,064	1/4	20,350	1/4	9,616	1/4	281	1/4	1/4	1/4	1/4	1/4	1/4
1/2	63,038	1/2	52,303	1/2	41,569	1/2	30,842	1/2	20,126	1/2	9,392	1/2	225	1/2	1/2	1/2	1/2	1/2	1/2
3/4	62,814	3/4	52,080	3/4	41,345	3/4	30,619	3/4	19,902	3/4	9,168	3/4	169	3/4	3/4	3/4	3/4	3/4	3/4
7	62,590	7	51,856	7	41,122	7	30,396	7	19,679	7	8,945	7	114	7	7	7	7	7	7
1/4	62,367	1/4	51,632	1/4	40,898	1/4	30,173	1/4	19,455	1/4	8,721	1/4	95	1/4	1/4	1/4	1/4	1/4	1/4
1/2	62,143	1/2	51,409	1/2	40,674	1/2	29,950	1/2	19,232	1/2	8,498	1/2	76	1/2	1/2	1/2	1/2	1/2	1/2
3/4	61,919	3/4	51,185	3/4	40,451	3/4	29,727	3/4	19,008	3/4	8,274	3/4	58	3/4	3/4	3/4	3/4	3/4	3/4
8	61,696	8	50,961	8	40,227	8	29,504	8	18,784	8	8,050	8	39	8	8	8	8	8	8
1/4	61,472	1/4	50,738	1/4	40,003	1/4	29,281	1/4	18,561	1/4	7,827	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	61,249	1/2	50,514	1/2	39,780	1/2	29,058	1/2	18,337	1/2	7,603	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	61,025	3/4	50,290	3/4	39,556	3/4	28,835	3/4	18,113	3/4	7,380	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	60,801	9	50,067	9	39,332	9	28,612	9	17,890	9	7,156	9		9	9	9	9	9	9
1/4	60,578	1/4	49,843	1/4	39,109	1/4	28,390	1/4	17,666	1/4	6,932	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	60,354	1/2	49,620	1/2	38,885	1/2	28,167	1/2	17,443	1/2	6,709	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	60,130	3/4	49,396	3/4	38,662	3/4	27,944	3/4	17,219	3/4	6,486	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	59,907	10	49,172	10	38,438	10	27,721	10	16,995	10	6,262	10		10	10	10	10	10	10
1/4	59,683	1/4	48,949	1/4	38,214	1/4	27,498	1/4	16,772	1/4	6,039	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	59,459	1/2	48,725	1/2	37,991	1/2	27,275	1/2	16,548	1/2	5,816	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	59,236	3/4	48,501	3/4	37,767	3/4	27,052	3/4	16,324	3/4	5,593	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	59,012	11	48,278	11	37,543	11	26,829	11	16,101	11	5,370	11		11	11	11	11	11	11
1/4	58,789	1/4	48,054	1/4	37,320	1/4	26,606	1/4	15,877	1/4	5,148	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	58,565	1/2	47,831	1/2	37,096	1/2	26,383	1/2	15,654	1/2	4,926	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	58,341	3/4	47,607	3/4	36,872	3/4	26,160	3/4	15,430	3/4	4,703	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: 06/13/2017 CL
PRINTED: 06/13/2017 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2017

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