



BARGE "CBC 1359"

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	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
3 CENTER	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/4	- 01-1/4	01-1/2	- 01-1/2

(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"

March 7, 2013

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

<http://www.pmacorp.net>



BARGE "CBC 1359"

1 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	8,091	0	18,879	0	29,518	0	40,185	0	50,946	0	61,706	0	72,443	0	83,183	0	93,946
1/4	58	1/4	8,316	1/4	19,104	1/4	29,736	1/4	40,409	1/4	51,170	1/4	61,930	1/4	72,666	1/4	83,407	1/4	94,171
1/2	77	1/2	8,541	1/2	19,329	1/2	29,954	1/2	40,633	1/2	51,394	1/2	62,154	1/2	72,889	1/2	83,631	1/2	94,395
3/4	96	3/4	8,765	3/4	19,554	3/4	30,173	3/4	40,858	3/4	51,618	3/4	62,379	3/4	73,112	3/4	83,855	3/4	94,619
1	114	1	8,990	1	19,778	1	30,391	1	41,082	1	51,842	1	62,603	1	73,335	1	84,080	1	94,843
1/4	170	1/4	9,215	1/4	20,003	1/4	30,609	1/4	41,306	1/4	52,066	1/4	62,827	1/4	73,558	1/4	84,304	1/4	95,068
1/2	227	1/2	9,440	1/2	20,228	1/2	30,828	1/2	41,530	1/2	52,291	1/2	63,051	1/2	73,780	1/2	84,528	1/2	95,292
3/4	283	3/4	9,664	3/4	20,453	3/4	31,046	3/4	41,754	3/4	52,515	3/4	63,275	3/4	74,003	3/4	84,752	3/4	95,516
2	339	2	9,889	2	20,678	2	31,264	2	41,978	2	52,739	2	63,500	2	74,226	2	84,977	2	95,740
1/4	433	1/4	10,114	1/4	20,902	1/4	31,483	1/4	42,203	1/4	52,963	1/4	63,724	1/4	74,449	1/4	85,201	1/4	95,965
1/2	526	1/2	10,339	1/2	21,127	1/2	31,701	1/2	42,427	1/2	53,187	1/2	63,948	1/2	74,672	1/2	85,425	1/2	96,189
3/4	620	3/4	10,563	3/4	21,352	3/4	31,920	3/4	42,651	3/4	53,412	3/4	64,172	3/4	74,895	3/4	85,649	3/4	96,413
3	714	3	10,788	3	21,577	3	32,138	3	42,875	3	53,636	3	64,396	3	75,117	3	85,874	3	96,637
1/4	845	1/4	11,013	1/4	21,801	1/4	32,356	1/4	43,099	1/4	53,860	1/4	64,620	1/4	75,340	1/4	86,098	1/4	96,862
1/2	976	1/2	11,238	1/2	22,026	1/2	32,575	1/2	43,324	1/2	54,084	1/2	64,845	1/2	75,563	1/2	86,322	1/2	97,086
3/4	1,107	3/4	11,462	3/4	22,251	3/4	32,793	3/4	43,548	3/4	54,308	3/4	65,069	3/4	75,786	3/4	86,546	3/4	97,310
4	1,238	4	11,687	4	22,476	4	33,011	4	43,772	4	54,532	4	65,293	4	76,009	4	86,771	4	97,534
1/4	1,406	1/4	11,912	1/4	22,700	1/4	33,236	1/4	43,996	1/4	54,757	1/4	65,517	1/4	76,232	1/4	86,995	1/4	97,759
1/2	1,575	1/2	12,137	1/2	22,925	1/2	33,460	1/2	44,220	1/2	54,981	1/2	65,741	1/2	76,456	1/2	87,219	1/2	97,983
3/4	1,743	3/4	12,361	3/4	23,150	3/4	33,684	3/4	44,444	3/4	55,205	3/4	65,965	3/4	76,679	3/4	87,443	3/4	98,207
5	1,912	5	12,586	5	23,375	5	33,908	5	44,669	5	55,429	5	66,190	5	76,903	5	87,668	5	98,431
1/4	2,117	1/4	12,811	1/4	23,599	1/4	34,132	1/4	44,893	1/4	55,653	1/4	66,414	1/4	77,127	1/4	87,892	1/4	98,656
1/2	2,323	1/2	13,036	1/2	23,824	1/2	34,356	1/2	45,117	1/2	55,877	1/2	66,638	1/2	77,351	1/2	88,116	1/2	98,880
3/4	2,528	3/4	13,260	3/4	24,049	3/4	34,581	3/4	45,341	3/4	56,102	3/4	66,862	3/4	77,576	3/4	88,340	3/4	99,104
6	2,734	6	13,485	6	24,274	6	34,805	6	45,565	6	56,326	6	67,086	6	77,800	6	88,565	6	99,328
1/4	2,954	1/4	13,710	1/4	24,492	1/4	35,029	1/4	45,789	1/4	56,550	1/4	67,310	1/4	78,024	1/4	88,789	1/4	99,553
1/2	3,174	1/2	13,935	1/2	24,711	1/2	35,253	1/2	46,014	1/2	56,774	1/2	67,534	1/2	78,248	1/2	89,013	1/2	99,777
3/4	3,394	3/4	14,159	3/4	24,930	3/4	35,477	3/4	46,238	3/4	56,998	3/4	67,757	3/4	78,473	3/4	89,237	3/4	100,001
7	3,615	7	14,384	7	25,149	7	35,701	7	46,462	7	57,223	7	67,981	7	78,697	7	89,462	7	100,225
1/4	3,837	1/4	14,609	1/4	25,367	1/4	35,926	1/4	46,686	1/4	57,447	1/4	68,204	1/4	78,921	1/4	89,686	1/4	100,450
1/2	4,059	1/2	14,834	1/2	25,586	1/2	36,150	1/2	46,910	1/2	57,671	1/2	68,428	1/2	79,146	1/2	89,910	1/2	100,674
3/4	4,282	3/4	15,059	3/4	25,805	3/4	36,374	3/4	47,135	3/4	57,895	3/4	68,651	3/4	79,370	3/4	90,134	3/4	100,898
8	4,504	8	15,283	8	26,024	8	36,598	8	47,359	8	58,119	8	68,875	8	79,594	8	90,358	8	101,122
1/4	4,727	1/4	15,508	1/4	26,242	1/4	36,822	1/4	47,583	1/4	58,343	1/4	69,099	1/4	79,818	1/4	90,583	1/4	101,347
1/2	4,951	1/2	15,733	1/2	26,460	1/2	37,047	1/2	47,807	1/2	58,568	1/2	69,322	1/2	80,043	1/2	90,807	1/2	101,571
3/4	5,174	3/4	15,958	3/4	26,679	3/4	37,271	3/4	48,031	3/4	58,792	3/4	69,546	3/4	80,267	3/4	91,031	3/4	101,795
9	5,397	9	16,182	9	26,897	9	37,495	9	48,255	9	59,016	9	69,769	9	80,491	9	91,255	9	102,019
1/4	5,621	1/4	16,407	1/4	27,115	1/4	37,719	1/4	48,480	1/4	59,240	1/4	69,992	1/4	80,716	1/4	91,480	1/4	102,244
1/2	5,846	1/2	16,632	1/2	27,334	1/2	37,943	1/2	48,704	1/2	59,464	1/2	70,215	1/2	80,940	1/2	91,704	1/2	102,468
3/4	6,070	3/4	16,857	3/4	27,552	3/4	38,167	3/4	48,928	3/4	59,688	3/4	70,438	3/4	81,164	3/4	91,928	3/4	102,692
10	6,294	10	17,081	10	27,771	10	38,392	10	49,152	10	59,913	10	70,661	10	81,388	10	92,152	10	102,916
1/4	6,518	1/4	17,306	1/4	27,989	1/4	38,616	1/4	49,376	1/4	60,137	1/4	70,884	1/4	81,613	1/4	92,377	1/4	103,141
1/2	6,743	1/2	17,531	1/2	28,207	1/2	38,840	1/2	49,601	1/2	60,361	1/2	71,106	1/2	81,837	1/2	92,601	1/2	103,365
3/4	6,967	3/4	17,756	3/4	28,426	3/4	39,064	3/4	49,825	3/4	60,585	3/4	71,329	3/4	82,061	3/4	92,825	3/4	103,589
11	7,192	11	17,980	11	28,644	11	39,288	11	50,049	11	60,809	11	71,552	11	82,285	11	93,049	11	103,813
1/4	7,417	1/4	18,205	1/4	28,862	1/4	39,513	1/4	50,273	1/4	61,034	1/4	71,775	1/4	82,510	1/4	93,274	1/4	104,038
1/2	7,642	1/2	18,430	1/2	29,081	1/2	39,737	1/2	50,497	1/2	61,258	1/2	71,998	1/2	82,734	1/2	93,498	1/2	104,262
3/4	7,866	3/4	18,655	3/4	29,299	3/4	39,961	3/4	50,721	3/4	61,482	3/4	72,221	3/4	82,958	3/4	93,722	3/4	104,486

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
<http://www.pmacorp.net>



BARGE "CBC 1359"

1 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	104,710	0	114,811	0	124,270	0	133,688	0	143,089	0		0		0		0		0	
1/4	104,934	1/4	115,008	1/4	124,467	1/4	133,884	1/4	143,283	1/4		1/4		1/4		1/4		1/4	
1/2	105,158	1/2	115,205	1/2	124,663	1/2	134,081	1/2	143,478	1/2		1/2		1/2		1/2		1/2	
3/4	105,382	3/4	115,402	3/4	124,860	3/4	134,277	3/4	143,672	3/4		3/4		3/4		3/4		3/4	
1	105,606	1	115,599	1	125,056	1	134,474	1	143,867	1		1		1		1		1	
1/4	105,830	1/4	115,796	1/4	125,253	1/4	134,670	1/4	144,061	1/4		1/4		1/4		1/4		1/4	
1/2	106,054	1/2	115,993	1/2	125,449	1/2	134,867	1/2	144,256	1/2		1/2		1/2		1/2		1/2	
3/4	106,278	3/4	116,190	3/4	125,646	3/4	135,063	3/4	144,450	3/4		3/4		3/4		3/4		3/4	
2	106,502	2	116,387	2	125,843	2	135,260	2	144,645	2		2		2		2		2	
1/4	106,726	1/4	116,584	1/4	126,039	1/4	135,457	1/4	144,848	1/4		1/4		1/4		1/4		1/4	
1/2	106,950	1/2	116,781	1/2	126,236	1/2	135,653	1/2	145,051	1/2		1/2		1/2		1/2		1/2	
3/4	107,174	3/4	116,979	3/4	126,432	3/4	135,850	3/4	145,255	3/4		3/4		3/4		3/4		3/4	
3	107,398	3	117,176	3	126,629	3	136,046	3	145,458	3		3		3		3		3	
1/4	107,622	1/4	117,373	1/4	126,825	1/4	136,243	1/4	145,624	1/4		1/4		1/4		1/4		1/4	
1/2	107,846	1/2	117,570	1/2	127,022	1/2	136,439	1/2	145,790	1/2		1/2		1/2		1/2		1/2	
3/4	108,070	3/4	117,767	3/4	127,218	3/4	136,636	3/4	145,956	3/4		3/4		3/4		3/4		3/4	
4	108,294	4	117,964	4	127,415	4	136,832	4	146,122	4		4		4		4		4	
1/4	108,518	1/4	118,161	1/4	127,612	1/4	137,029	1/4	146,250	1/4		1/4		1/4		1/4		1/4	
1/2	108,742	1/2	118,358	1/2	127,808	1/2	137,225	1/2	146,379	1/2		1/2		1/2		1/2		1/2	
3/4	108,966	3/4	118,555	3/4	128,005	3/4	137,422	3/4	146,507	3/4		3/4		3/4		3/4		3/4	
5	109,190	5	118,752	5	128,201	5	137,619	5	146,636	5		5		5		5		5	
1/4	109,414	1/4	118,949	1/4	128,398	1/4	137,815	1/4	146,727	1/4		1/4		1/4		1/4		1/4	
1/2	109,638	1/2	119,146	1/2	128,594	1/2	138,012	1/2	146,818	1/2		1/2		1/2		1/2		1/2	
3/4	109,862	3/4	119,343	3/4	128,791	3/4	138,208	3/4	146,909	3/4		3/4		3/4		3/4		3/4	
6	110,086	6	119,540	6	128,987	6	138,405	6	147,000	6		6		6		6		6	
1/4	110,283	1/4	119,738	1/4	129,183	1/4	138,601	1/4	147,053	1/4		1/4		1/4		1/4		1/4	
1/2	110,480	1/2	119,935	1/2	129,379	1/2	138,798	1/2	147,107	1/2		1/2		1/2		1/2		1/2	
3/4	110,677	3/4	120,132	3/4	129,575	3/4	138,994	3/4	147,160	3/4		3/4		3/4		3/4		3/4	
7	110,874	7	120,329	7	129,771	7	139,191	7	147,214	7		7		7		7		7	
1/4	111,071	1/4	120,526	1/4	129,967	1/4	139,387	1/4	147,230	1/4		1/4		1/4		1/4		1/4	
1/2	111,267	1/2	120,723	1/2	130,162	1/2	139,584	1/2	147,246	1/2		1/2		1/2		1/2		1/2	
3/4	111,464	3/4	120,920	3/4	130,358	3/4	139,781	3/4	147,262	3/4		3/4		3/4		3/4		3/4	
8	111,661	8	121,117	8	130,554	8	139,977	8	147,278	8		8		8		8		8	
1/4	111,858	1/4	121,314	1/4	130,750	1/4	140,172	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	112,055	1/2	121,511	1/2	130,946	1/2	140,366	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	112,252	3/4	121,708	3/4	131,142	3/4	140,561	3/4		3/4		3/4		3/4		3/4		3/4	
9	112,449	9	121,905	9	131,337	9	140,755	9		9		9		9		9		9	
1/4	112,645	1/4	122,102	1/4	131,533	1/4	140,950	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	112,842	1/2	122,299	1/2	131,729	1/2	141,144	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	113,039	3/4	122,497	3/4	131,925	3/4	141,338	3/4		3/4		3/4		3/4		3/4		3/4	
10	113,236	10	122,694	10	132,121	10	141,533	10		10		10		10		10		10	
1/4	113,433	1/4	122,891	1/4	132,317	1/4	141,727	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	113,630	1/2	123,088	1/2	132,513	1/2	141,922	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	113,826	3/4	123,285	3/4	132,708	3/4	142,116	3/4		3/4		3/4		3/4		3/4		3/4	
11	114,023	11	123,482	11	132,904	11	142,311	11		11		11		11		11		11	
1/4	114,220	1/4	123,679	1/4	133,100	1/4	142,505	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	114,417	1/2	123,876	1/2	133,296	1/2	142,700	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	114,614	3/4	124,073	3/4	133,492	3/4	142,894	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/07/2013 CL SW
CALCULATED: 03/07/2013 CL
PRINTED: 03/07/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 1359"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	39	0	9,050	0	21,122	0	33,048	0	44,974	0	57,048	0	69,121	0	81,194	0	93,267	0	105,338
1/4	60	1/4	9,301	1/4	21,374	1/4	33,292	1/4	45,226	1/4	57,299	1/4	69,372	1/4	81,445	1/4	93,518	1/4	105,589
1/2	81	1/2	9,553	1/2	21,625	1/2	33,537	1/2	45,478	1/2	57,551	1/2	69,624	1/2	81,697	1/2	93,770	1/2	105,841
3/4	102	3/4	9,804	3/4	21,877	3/4	33,781	3/4	45,729	3/4	57,802	3/4	69,875	3/4	81,948	3/4	94,021	3/4	106,092
1	123	1	10,056	1	22,128	1	34,025	1	45,981	1	58,054	1	70,127	1	82,200	1	94,273	1	106,344
1/4	186	1/4	10,307	1/4	22,380	1/4	34,269	1/4	46,232	1/4	58,305	1/4	70,378	1/4	82,451	1/4	94,524	1/4	106,595
1/2	249	1/2	10,559	1/2	22,631	1/2	34,513	1/2	46,484	1/2	58,557	1/2	70,630	1/2	82,703	1/2	94,776	1/2	106,847
3/4	312	3/4	10,810	3/4	22,883	3/4	34,757	3/4	46,735	3/4	58,808	3/4	70,881	3/4	82,954	3/4	95,027	3/4	107,098
2	375	2	11,062	2	23,134	2	35,001	2	46,987	2	59,060	2	71,133	2	83,206	2	95,279	2	107,350
1/4	479	1/4	11,313	1/4	23,386	1/4	35,245	1/4	47,238	1/4	59,311	1/4	71,384	1/4	83,457	1/4	95,530	1/4	107,601
1/2	584	1/2	11,565	1/2	23,638	1/2	35,489	1/2	47,490	1/2	59,563	1/2	71,636	1/2	83,709	1/2	95,782	1/2	107,853
3/4	689	3/4	11,816	3/4	23,889	3/4	35,733	3/4	47,741	3/4	59,814	3/4	71,887	3/4	83,960	3/4	96,033	3/4	108,104
3	794	3	12,068	3	24,141	3	35,978	3	47,993	3	60,066	3	72,139	3	84,212	3	96,284	3	108,355
1/4	940	1/4	12,319	1/4	24,392	1/4	36,222	1/4	48,244	1/4	60,317	1/4	72,390	1/4	84,463	1/4	96,536	1/4	108,607
1/2	1,087	1/2	12,571	1/2	24,644	1/2	36,466	1/2	48,496	1/2	60,569	1/2	72,642	1/2	84,715	1/2	96,787	1/2	108,858
3/4	1,234	3/4	12,822	3/4	24,895	3/4	36,710	3/4	48,747	3/4	60,820	3/4	72,893	3/4	84,967	3/4	97,039	3/4	109,110
4	1,381	4	13,074	4	25,147	4	36,954	4	48,999	4	61,072	4	73,145	4	85,218	4	97,290	4	109,361
1/4	1,569	1/4	13,325	1/4	25,398	1/4	37,198	1/4	49,250	1/4	61,323	1/4	73,396	1/4	85,470	1/4	97,542	1/4	109,613
1/2	1,758	1/2	13,577	1/2	25,650	1/2	37,443	1/2	49,502	1/2	61,575	1/2	73,648	1/2	85,721	1/2	97,793	1/2	109,864
3/4	1,946	3/4	13,829	3/4	25,901	3/4	37,687	3/4	49,753	3/4	61,826	3/4	73,900	3/4	85,973	3/4	98,045	3/4	110,116
5	2,135	5	14,080	5	26,153	5	37,932	5	50,005	5	62,078	5	74,151	5	86,224	5	98,296	5	110,367
1/4	2,365	1/4	14,332	1/4	26,404	1/4	38,183	1/4	50,256	1/4	62,330	1/4	74,403	1/4	86,476	1/4	98,548	1/4	110,619
1/2	2,595	1/2	14,583	1/2	26,656	1/2	38,435	1/2	50,508	1/2	62,581	1/2	74,654	1/2	86,727	1/2	98,799	1/2	110,870
3/4	2,825	3/4	14,835	3/4	26,907	3/4	38,686	3/4	50,759	3/4	62,833	3/4	74,906	3/4	86,979	3/4	99,051	3/4	111,122
6	3,055	6	15,086	6	27,159	6	38,938	6	51,011	6	63,084	6	75,157	6	87,230	6	99,302	6	111,373
1/4	3,301	1/4	15,338	1/4	27,410	1/4	39,189	1/4	51,263	1/4	63,336	1/4	75,409	1/4	87,482	1/4	99,554	1/4	111,625
1/2	3,548	1/2	15,589	1/2	27,662	1/2	39,441	1/2	51,514	1/2	63,587	1/2	75,660	1/2	87,733	1/2	99,805	1/2	111,876
3/4	3,794	3/4	15,841	3/4	27,913	3/4	39,693	3/4	51,766	3/4	63,839	3/4	75,912	3/4	87,985	3/4	100,057	3/4	112,128
7	4,041	7	16,092	7	28,165	7	39,944	7	52,017	7	64,090	7	76,163	7	88,236	7	100,308	7	112,379
1/4	4,289	1/4	16,344	1/4	28,409	1/4	40,196	1/4	52,269	1/4	64,342	1/4	76,415	1/4	88,488	1/4	100,560	1/4	112,631
1/2	4,538	1/2	16,595	1/2	28,654	1/2	40,447	1/2	52,520	1/2	64,593	1/2	76,666	1/2	88,739	1/2	100,811	1/2	112,882
3/4	4,787	3/4	16,847	3/4	28,898	3/4	40,699	3/4	52,772	3/4	64,845	3/4	76,918	3/4	88,991	3/4	101,063	3/4	113,134
8	5,036	8	17,098	8	29,143	8	40,950	8	53,023	8	65,096	8	77,169	8	89,242	8	101,314	8	113,385
1/4	5,285	1/4	17,350	1/4	29,387	1/4	41,202	1/4	53,275	1/4	65,348	1/4	77,421	1/4	89,494	1/4	101,566	1/4	113,637
1/2	5,535	1/2	17,601	1/2	29,631	1/2	41,453	1/2	53,526	1/2	65,599	1/2	77,672	1/2	89,745	1/2	101,817	1/2	113,888
3/4	5,785	3/4	17,853	3/4	29,875	3/4	41,705	3/4	53,778	3/4	65,851	3/4	77,924	3/4	89,997	3/4	102,069	3/4	114,139
9	6,035	9	18,104	9	30,119	9	41,956	9	54,029	9	66,102	9	78,175	9	90,248	9	102,320	9	114,391
1/4	6,286	1/4	18,356	1/4	30,363	1/4	42,208	1/4	54,281	1/4	66,354	1/4	78,427	1/4	90,500	1/4	102,571	1/4	114,642
1/2	6,537	1/2	18,607	1/2	30,607	1/2	42,459	1/2	54,532	1/2	66,605	1/2	78,678	1/2	90,752	1/2	102,823	1/2	114,894
3/4	6,788	3/4	18,859	3/4	30,851	3/4	42,711	3/4	54,784	3/4	66,857	3/4	78,930	3/4	91,003	3/4	103,074	3/4	115,145
10	7,039	10	19,110	10	31,095	10	42,962	10	55,035	10	67,108	10	79,182	10	91,255	10	103,326	10	115,397
1/4	7,290	1/4	19,362	1/4	31,340	1/4	43,214	1/4	55,287	1/4	67,360	1/4	79,433	1/4	91,506	1/4	103,577	1/4	115,648
1/2	7,541	1/2	19,613	1/2	31,584	1/2	43,465	1/2	55,538	1/2	67,611	1/2	79,685	1/2	91,758	1/2	103,829	1/2	115,900
3/4	7,792	3/4	19,865	3/4	31,828	3/4	43,717	3/4	55,790	3/4	67,863	3/4	79,936	3/4	92,009	3/4	104,080	3/4	116,151
11	8,044	11	20,116	11	32,072	11	43,968	11	56,041	11	68,115	11	80,188	11	92,261	11	104,332	11	116,403
1/4	8,295	1/4	20,368	1/4	32,316	1/4	44,220	1/4	56,293	1/4	68,366	1/4	80,439	1/4	92,512	1/4	104,583	1/4	116,654
1/2	8,547	1/2	20,619	1/2	32,560	1/2	44,471	1/2	56,545	1/2	68,618	1/2	80,691	1/2	92,764	1/2	104,835	1/2	116,906
3/4	8,798	3/4	20,871	3/4	32,804	3/4	44,723	3/4	56,796	3/4	68,869	3/4	80,942	3/4	93,015	3/4	105,086	3/4	117,157

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'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 1359"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	117,409	0	129,480	0	141,551	0	153,555	0	165,521	0		0		0		0		0	
1/4	117,660	1/4	129,731	1/4	141,801	1/4	153,805	1/4	165,769	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	117,912	1/2	129,983	1/2	142,051	1/2	154,055	1/2	166,017	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	118,163	3/4	130,234	3/4	142,301	3/4	154,305	3/4	166,265	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	118,415	1	130,486	1	142,551	1	154,555	1	166,513	1	1	1	1	1	1	1	1	1	1
1/4	118,666	1/4	130,737	1/4	142,801	1/4	154,805	1/4	166,760	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	118,918	1/2	130,989	1/2	143,051	1/2	155,055	1/2	167,008	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	119,169	3/4	131,240	3/4	143,301	3/4	155,305	3/4	167,256	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	119,421	2	131,492	2	143,551	2	155,555	2	167,504	2	2	2	2	2	2	2	2	2	2
1/4	119,672	1/4	131,743	1/4	143,801	1/4	155,805	1/4	167,730	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	119,924	1/2	131,995	1/2	144,052	1/2	156,055	1/2	167,957	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	120,175	3/4	132,246	3/4	144,302	3/4	156,305	3/4	168,184	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	120,426	3	132,497	3	144,552	3	156,556	3	168,411	3	3	3	3	3	3	3	3	3	3
1/4	120,678	1/4	132,749	1/4	144,802	1/4	156,806	1/4	168,596	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	120,929	1/2	133,000	1/2	145,052	1/2	157,056	1/2	168,781	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	121,181	3/4	133,252	3/4	145,302	3/4	157,306	3/4	168,966	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	121,432	4	133,503	4	145,552	4	157,556	4	169,150	4	4	4	4	4	4	4	4	4	4
1/4	121,684	1/4	133,755	1/4	145,802	1/4	157,806	1/4	169,293	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	121,935	1/2	134,006	1/2	146,052	1/2	158,056	1/2	169,436	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	122,187	3/4	134,258	3/4	146,302	3/4	158,306	3/4	169,579	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	122,438	5	134,509	5	146,552	5	158,556	5	169,722	5	5	5	5	5	5	5	5	5	5
1/4	122,690	1/4	134,761	1/4	146,802	1/4	158,806	1/4	169,823	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	122,941	1/2	135,012	1/2	147,052	1/2	159,056	1/2	169,924	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	123,193	3/4	135,264	3/4	147,303	3/4	159,306	3/4	170,025	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	123,444	6	135,515	6	147,553	6	159,557	6	170,127	6	6	6	6	6	6	6	6	6	6
1/4	123,696	1/4	135,767	1/4	147,803	1/4	159,807	1/4	170,186	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	123,947	1/2	136,018	1/2	148,053	1/2	160,057	1/2	170,245	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	124,199	3/4	136,270	3/4	148,303	3/4	160,307	3/4	170,304	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	124,450	7	136,521	7	148,553	7	160,557	7	170,363	7	7	7	7	7	7	7	7	7	7
1/4	124,702	1/4	136,773	1/4	148,803	1/4	160,807	1/4	170,380	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	124,953	1/2	137,024	1/2	149,053	1/2	161,057	1/2	170,397	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	125,205	3/4	137,276	3/4	149,303	3/4	161,307	3/4	170,415	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	125,456	8	137,527	8	149,553	8	161,557	8	170,432	8	8	8	8	8	8	8	8	8	8
1/4	125,708	1/4	137,779	1/4	149,803	1/4	161,805	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	125,959	1/2	138,030	1/2	150,053	1/2	162,053	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	126,210	3/4	138,281	3/4	150,304	3/4	162,300	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	126,462	9	138,533	9	150,554	9	162,548	9		9	9	9	9	9	9	9	9	9	9
1/4	126,713	1/4	138,784	1/4	150,804	1/4	162,796	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	126,965	1/2	139,036	1/2	151,054	1/2	163,044	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	127,216	3/4	139,287	3/4	151,304	3/4	163,292	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	127,468	10	139,539	10	151,554	10	163,539	10		10	10	10	10	10	10	10	10	10	10
1/4	127,719	1/4	139,790	1/4	151,804	1/4	163,787	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	127,971	1/2	140,042	1/2	152,054	1/2	164,035	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	128,222	3/4	140,293	3/4	152,304	3/4	164,283	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	128,474	11	140,545	11	152,554	11	164,530	11		11	11	11	11	11	11	11	11	11	11
1/4	128,725	1/4	140,796	1/4	152,804	1/4	164,778	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	128,977	1/2	141,048	1/2	153,054	1/2	165,026	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	129,228	3/4	141,299	3/4	153,305	3/4	165,274	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: 03/07/2013 CL SW
CALCULATED: 03/07/2013 CL
PRINTED: 03/07/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2013

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



BARGE "CBC 1359"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	39	0	8,033	0	18,744	0	29,441	0	40,141	0	50,852	0	61,564	0	72,275	0	82,986	0	93,696
1/4	58	1/4	8,257	1/4	18,967	1/4	29,663	1/4	40,364	1/4	51,075	1/4	61,787	1/4	72,498	1/4	83,209	1/4	93,919
1/2	76	1/2	8,480	1/2	19,191	1/2	29,886	1/2	40,587	1/2	51,298	1/2	62,010	1/2	72,721	1/2	83,432	1/2	94,142
3/4	95	3/4	8,703	3/4	19,414	3/4	30,108	3/4	40,810	3/4	51,522	3/4	62,233	3/4	72,944	3/4	83,656	3/4	94,365
1	114	1	8,926	1	19,637	1	30,331	1	41,033	1	51,745	1	62,456	1	73,167	1	83,879	1	94,588
1/4	169	1/4	9,149	1/4	19,860	1/4	30,553	1/4	41,257	1/4	51,968	1/4	62,679	1/4	73,391	1/4	84,102	1/4	94,811
1/2	225	1/2	9,372	1/2	20,083	1/2	30,776	1/2	41,480	1/2	52,191	1/2	62,902	1/2	73,614	1/2	84,325	1/2	95,034
3/4	281	3/4	9,595	3/4	20,306	3/4	30,998	3/4	41,703	3/4	52,414	3/4	63,126	3/4	73,837	3/4	84,548	3/4	95,257
2	337	2	9,819	2	20,529	2	31,220	2	41,926	2	52,637	2	63,349	2	74,060	2	84,771	2	95,481
1/4	430	1/4	10,042	1/4	20,753	1/4	31,443	1/4	42,149	1/4	52,861	1/4	63,572	1/4	74,283	1/4	84,994	1/4	95,704
1/2	523	1/2	10,265	1/2	20,976	1/2	31,665	1/2	42,372	1/2	53,084	1/2	63,795	1/2	74,506	1/2	85,217	1/2	95,927
3/4	616	3/4	10,488	3/4	21,199	3/4	31,888	3/4	42,596	3/4	53,307	3/4	64,018	3/4	74,730	3/4	85,440	3/4	96,150
3	709	3	10,711	3	21,422	3	32,110	3	42,819	3	53,530	3	64,241	3	74,953	3	85,664	3	96,373
1/4	839	1/4	10,934	1/4	21,645	1/4	32,333	1/4	43,042	1/4	53,753	1/4	64,464	1/4	75,176	1/4	85,887	1/4	96,596
1/2	969	1/2	11,157	1/2	21,868	1/2	32,555	1/2	43,265	1/2	53,976	1/2	64,688	1/2	75,399	1/2	86,110	1/2	96,819
3/4	1,099	3/4	11,381	3/4	22,091	3/4	32,778	3/4	43,488	3/4	54,199	3/4	64,911	3/4	75,622	3/4	86,333	3/4	97,042
4	1,229	4	11,604	4	22,315	4	33,000	4	43,711	4	54,423	4	65,134	4	75,845	4	86,556	4	97,266
1/4	1,397	1/4	11,827	1/4	22,538	1/4	33,223	1/4	43,934	1/4	54,646	1/4	65,357	1/4	76,068	1/4	86,779	1/4	97,489
1/2	1,564	1/2	12,050	1/2	22,761	1/2	33,446	1/2	44,158	1/2	54,869	1/2	65,580	1/2	76,292	1/2	87,002	1/2	97,712
3/4	1,731	3/4	12,273	3/4	22,984	3/4	33,669	3/4	44,381	3/4	55,092	3/4	65,803	3/4	76,515	3/4	87,225	3/4	97,935
5	1,899	5	12,496	5	23,207	5	33,893	5	44,604	5	55,315	5	66,027	5	76,738	5	87,448	5	98,158
1/4	2,103	1/4	12,719	1/4	23,430	1/4	34,116	1/4	44,827	1/4	55,538	1/4	66,250	1/4	76,961	1/4	87,672	1/4	98,381
1/2	2,307	1/2	12,943	1/2	23,653	1/2	34,339	1/2	45,050	1/2	55,762	1/2	66,473	1/2	77,184	1/2	87,895	1/2	98,604
3/4	2,511	3/4	13,166	3/4	23,877	3/4	34,562	3/4	45,273	3/4	55,985	3/4	66,696	3/4	77,407	3/4	88,118	3/4	98,827
6	2,715	6	13,389	6	24,100	6	34,785	6	45,497	6	56,208	6	66,919	6	77,631	6	88,341	6	99,050
1/4	2,933	1/4	13,612	1/4	24,323	1/4	35,008	1/4	45,720	1/4	56,431	1/4	67,142	1/4	77,854	1/4	88,564	1/4	99,274
1/2	3,152	1/2	13,835	1/2	24,545	1/2	35,232	1/2	45,943	1/2	56,654	1/2	67,365	1/2	78,077	1/2	88,787	1/2	99,497
3/4	3,371	3/4	14,058	3/4	24,768	3/4	35,455	3/4	46,166	3/4	56,877	3/4	67,589	3/4	78,300	3/4	89,010	3/4	99,720
7	3,589	7	14,281	7	24,991	7	35,678	7	46,389	7	57,100	7	67,812	7	78,523	7	89,233	7	99,943
1/4	3,810	1/4	14,505	1/4	25,214	1/4	35,901	1/4	46,612	1/4	57,324	1/4	68,035	1/4	78,746	1/4	89,456	1/4	100,166
1/2	4,031	1/2	14,728	1/2	25,436	1/2	36,124	1/2	46,835	1/2	57,547	1/2	68,258	1/2	78,969	1/2	89,680	1/2	100,389
3/4	4,251	3/4	14,951	3/4	25,659	3/4	36,347	3/4	47,059	3/4	57,770	3/4	68,481	3/4	79,193	3/4	89,903	3/4	100,612
8	4,472	8	15,174	8	25,882	8	36,570	8	47,282	8	57,993	8	68,704	8	79,416	8	90,126	8	100,835
1/4	4,694	1/4	15,397	1/4	26,104	1/4	36,794	1/4	47,505	1/4	58,216	1/4	68,928	1/4	79,639	1/4	90,349	1/4	101,058
1/2	4,915	1/2	15,620	1/2	26,327	1/2	37,017	1/2	47,728	1/2	58,439	1/2	69,151	1/2	79,862	1/2	90,572	1/2	101,282
3/4	5,137	3/4	15,843	3/4	26,549	3/4	37,240	3/4	47,951	3/4	58,663	3/4	69,374	3/4	80,085	3/4	90,795	3/4	101,505
9	5,359	9	16,067	9	26,772	9	37,463	9	48,174	9	58,886	9	69,597	9	80,308	9	91,018	9	101,728
1/4	5,582	1/4	16,290	1/4	26,994	1/4	37,686	1/4	48,398	1/4	59,109	1/4	69,820	1/4	80,531	1/4	91,241	1/4	101,951
1/2	5,804	1/2	16,513	1/2	27,217	1/2	37,909	1/2	48,621	1/2	59,332	1/2	70,043	1/2	80,755	1/2	91,465	1/2	102,174
3/4	6,027	3/4	16,736	3/4	27,439	3/4	38,132	3/4	48,844	3/4	59,555	3/4	70,266	3/4	80,978	3/4	91,688	3/4	102,397
10	6,249	10	16,959	10	27,662	10	38,356	10	49,067	10	59,778	10	70,490	10	81,201	10	91,911	10	102,620
1/4	6,472	1/4	17,182	1/4	27,884	1/4	38,579	1/4	49,290	1/4	60,001	1/4	70,713	1/4	81,424	1/4	92,134	1/4	102,843
1/2	6,695	1/2	17,405	1/2	28,106	1/2	38,802	1/2	49,513	1/2	60,225	1/2	70,936	1/2	81,647	1/2	92,357	1/2	103,067
3/4	6,918	3/4	17,629	3/4	28,329	3/4	39,025	3/4	49,736	3/4	60,448	3/4	71,159	3/4	81,870	3/4	92,580	3/4	103,290
11	7,141	11	17,852	11	28,551	11	39,248	11	49,960	11	60,671	11	71,382	11	82,094	11	92,803	11	103,513
1/4	7,364	1/4	18,075	1/4	28,774	1/4	39,471	1/4	50,183	1/4	60,894	1/4	71,605	1/4	82,317	1/4	93,026	1/4	103,736
1/2	7,587	1/2	18,298	1/2	28,996	1/2	39,695	1/2	50,406	1/2	61,117	1/2	71,829	1/2	82,540	1/2	93,249	1/2	103,959
3/4	7,810	3/4	18,521	3/4	29,219	3/4	39,918	3/4	50,629	3/4	61,340	3/4	72,052	3/4	82,763	3/4	93,473	3/4	104,182

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'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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Pearland, Texas 77588

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BARGE "CBC 1359"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	104,405	0	115,115	0	125,824	0	136,475	0	147,093	0		0		0		0		0	
1/4	104,628	1/4	115,338	1/4	126,046	1/4	136,697	1/4	147,313	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	104,851	1/2	115,561	1/2	126,268	1/2	136,919	1/2	147,533	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	105,075	3/4	115,784	3/4	126,490	3/4	137,141	3/4	147,753	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	105,298	1	116,007	1	126,712	1	137,363	1	147,972	1	1	1	1	1	1	1	1	1	1
1/4	105,521	1/4	116,230	1/4	126,934	1/4	137,584	1/4	148,192	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	105,744	1/2	116,453	1/2	127,156	1/2	137,806	1/2	148,412	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	105,967	3/4	116,677	3/4	127,377	3/4	138,028	3/4	148,632	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	106,190	2	116,900	2	127,599	2	138,250	2	148,852	2	2	2	2	2	2	2	2	2	2
1/4	106,413	1/4	117,123	1/4	127,821	1/4	138,472	1/4	149,053	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	106,636	1/2	117,346	1/2	128,043	1/2	138,694	1/2	149,254	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	106,859	3/4	117,569	3/4	128,265	3/4	138,916	3/4	149,455	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	107,083	3	117,792	3	128,487	3	139,138	3	149,657	3	3	3	3	3	3	3	3	3	3
1/4	107,306	1/4	118,015	1/4	128,709	1/4	139,360	1/4	149,821	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	107,529	1/2	118,238	1/2	128,931	1/2	139,581	1/2	149,985	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	107,752	3/4	118,461	3/4	129,153	3/4	139,803	3/4	150,149	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	107,975	4	118,685	4	129,374	4	140,025	4	150,313	4	4	4	4	4	4	4	4	4	4
1/4	108,198	1/4	118,908	1/4	129,596	1/4	140,247	1/4	150,440	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	108,421	1/2	119,131	1/2	129,818	1/2	140,469	1/2	150,567	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	108,644	3/4	119,354	3/4	130,040	3/4	140,691	3/4	150,693	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	108,867	5	119,577	5	130,262	5	140,913	5	150,820	5	5	5	5	5	5	5	5	5	5
1/4	109,091	1/4	119,800	1/4	130,484	1/4	141,135	1/4	150,910	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	109,314	1/2	120,023	1/2	130,706	1/2	141,357	1/2	151,000	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	109,537	3/4	120,246	3/4	130,928	3/4	141,579	3/4	151,089	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	109,760	6	120,469	6	131,150	6	141,800	6	151,179	6	6	6	6	6	6	6	6	6	6
1/4	109,983	1/4	120,693	1/4	131,372	1/4	142,022	1/4	151,231	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	110,206	1/2	120,916	1/2	131,593	1/2	142,244	1/2	151,284	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	110,429	3/4	121,139	3/4	131,815	3/4	142,466	3/4	151,336	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	110,652	7	121,362	7	132,037	7	142,688	7	151,389	7	7	7	7	7	7	7	7	7	7
1/4	110,876	1/4	121,585	1/4	132,259	1/4	142,910	1/4	151,404	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	111,099	1/2	121,808	1/2	132,481	1/2	143,132	1/2	151,419	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	111,322	3/4	122,031	3/4	132,703	3/4	143,354	3/4	151,435	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	111,545	8	122,254	8	132,925	8	143,576	8	151,450	8	8	8	8	8	8	8	8	8	8
1/4	111,768	1/4	122,477	1/4	133,147	1/4	143,795	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	111,991	1/2	122,701	1/2	133,369	1/2	144,015	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	112,214	3/4	122,924	3/4	133,590	3/4	144,235	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	112,437	9	123,147	9	133,812	9	144,455	9		9	9	9	9	9	9	9	9	9	9
1/4	112,660	1/4	123,370	1/4	134,034	1/4	144,675	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	112,884	1/2	123,593	1/2	134,256	1/2	144,895	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	113,107	3/4	123,816	3/4	134,478	3/4	145,114	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	113,330	10	124,039	10	134,700	10	145,334	10		10	10	10	10	10	10	10	10	10	10
1/4	113,553	1/4	124,262	1/4	134,922	1/4	145,554	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	113,776	1/2	124,486	1/2	135,144	1/2	145,774	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	113,999	3/4	124,709	3/4	135,366	3/4	145,994	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	114,222	11	124,932	11	135,587	11	146,214	11		11	11	11	11	11	11	11	11	11	11
1/4	114,445	1/4	125,155	1/4	135,809	1/4	146,433	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	114,668	1/2	125,378	1/2	136,031	1/2	146,653	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	114,892	3/4	125,601	3/4	136,253	3/4	146,873	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: 03/07/2013 CL SW
CALCULATED: 03/07/2013 CL
PRINTED: 03/07/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2013

PRECISION MEASUREMENT
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BARGE "CBC 1359"

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	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
3 CENTER	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-3/4	00-3/4	- 01-0/8	01-0/8	- 01-1/4	01-1/4	- 01-1/2	01-1/2

(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"

March 7, 2013

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

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 Pearland, Texas 77588

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BARGE "CBC 1359"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 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	147,262	0	139,781	0	130,358	0	120,920	0	111,464	0	100,898	0	90,134	0	79,370
1/4	1/4	1/4	1/4	1/4	147,246	1/4	139,584	1/4	130,163	1/4	120,723	1/4	111,267	1/4	100,674	1/4	89,910	1/4	79,146
1/2	1/2	1/2	1/2	1/2	147,230	1/2	139,388	1/2	129,967	1/2	120,526	1/2	111,071	1/2	100,450	1/2	89,686	1/2	78,921
3/4	3/4	3/4	3/4	3/4	147,214	3/4	139,191	3/4	129,771	3/4	120,329	3/4	110,874	3/4	100,225	3/4	89,462	3/4	78,697
1		1		1	147,160	1	138,994	1	129,575	1	120,132	1	110,677	1	100,001	1	89,237	1	78,473
1/4	1/4	1/4	1/4	1/4	147,107	1/4	138,798	1/4	129,379	1/4	119,935	1/4	110,480	1/4	99,777	1/4	89,013	1/4	78,249
1/2	1/2	1/2	1/2	1/2	147,053	1/2	138,601	1/2	129,183	1/2	119,738	1/2	110,283	1/2	99,553	1/2	88,789	1/2	78,024
3/4	3/4	3/4	3/4	3/4	147,000	3/4	138,405	3/4	128,987	3/4	119,541	3/4	110,086	3/4	99,328	3/4	88,565	3/4	77,800
2		2		2	146,909	2	138,208	2	128,791	2	119,344	2	109,862	2	99,104	2	88,340	2	77,576
1/4	1/4	1/4	1/4	1/4	146,818	1/4	138,012	1/4	128,594	1/4	119,146	1/4	109,638	1/4	98,880	1/4	88,116	1/4	77,351
1/2	1/2	1/2	1/2	1/2	146,727	1/2	137,815	1/2	128,398	1/2	118,949	1/2	109,414	1/2	98,656	1/2	87,892	1/2	77,127
3/4	3/4	3/4	3/4	3/4	146,636	3/4	137,619	3/4	128,201	3/4	118,752	3/4	109,190	3/4	98,431	3/4	87,668	3/4	76,903
3		3		3	146,507	3	137,422	3	128,005	3	118,555	3	108,966	3	98,207	3	87,443	3	76,679
1/4	1/4	1/4	1/4	1/4	146,379	1/4	137,226	1/4	127,808	1/4	118,358	1/4	108,742	1/4	97,983	1/4	87,219	1/4	76,456
1/2	1/2	1/2	1/2	1/2	146,250	1/2	137,029	1/2	127,612	1/2	118,161	1/2	108,518	1/2	97,759	1/2	86,995	1/2	76,232
3/4	3/4	3/4	3/4	3/4	146,122	3/4	136,832	3/4	127,415	3/4	117,964	3/4	108,294	3/4	97,534	3/4	86,771	3/4	76,009
4		4		4	145,956	4	136,636	4	127,219	4	117,767	4	108,070	4	97,310	4	86,546	4	75,786
1/4	1/4	1/4	1/4	1/4	145,790	1/4	136,439	1/4	127,022	1/4	117,570	1/4	107,846	1/4	97,086	1/4	86,322	1/4	75,563
1/2	1/2	1/2	1/2	1/2	145,624	1/2	136,243	1/2	126,825	1/2	117,373	1/2	107,622	1/2	96,862	1/2	86,098	1/2	75,340
3/4	3/4	3/4	3/4	3/4	145,458	3/4	136,046	3/4	126,629	3/4	117,176	3/4	107,398	3/4	96,637	3/4	85,874	3/4	75,117
5		5		5	145,255	5	135,850	5	126,432	5	116,979	5	107,174	5	96,413	5	85,649	5	74,895
1/4	1/4	1/4	1/4	1/4	145,051	1/4	135,653	1/4	126,236	1/4	116,782	1/4	106,950	1/4	96,189	1/4	85,425	1/4	74,672
1/2	1/2	1/2	1/2	1/2	144,848	1/2	135,457	1/2	126,039	1/2	116,585	1/2	106,726	1/2	95,965	1/2	85,201	1/2	74,449
3/4	3/4	3/4	3/4	3/4	144,645	3/4	135,260	3/4	125,843	3/4	116,387	3/4	106,502	3/4	95,741	3/4	84,977	3/4	74,226
6		6		6	144,450	6	135,064	6	125,646	6	116,190	6	106,278	6	95,516	6	84,752	6	74,003
1/4	1/4	1/4	1/4	1/4	144,256	1/4	134,867	1/4	125,450	1/4	115,993	1/4	106,054	1/4	95,292	1/4	84,528	1/4	73,780
1/2	1/2	1/2	1/2	1/2	144,061	1/2	134,670	1/2	125,253	1/2	115,796	1/2	105,830	1/2	95,068	1/2	84,304	1/2	73,558
3/4	3/4	3/4	3/4	3/4	143,867	3/4	134,474	3/4	125,056	3/4	115,599	3/4	105,606	3/4	94,844	3/4	84,080	3/4	73,335
7		7		7	143,672	7	134,277	7	124,860	7	115,402	7	105,382	7	94,619	7	83,855	7	73,112
1/4	1/4	1/4	1/4	1/4	143,478	1/4	134,081	1/4	124,663	1/4	115,205	1/4	105,158	1/4	94,395	1/4	83,631	1/4	72,889
1/2	1/2	1/2	1/2	1/2	143,283	1/2	133,884	1/2	124,467	1/2	115,008	1/2	104,934	1/2	94,171	1/2	83,407	1/2	72,666
3/4	3/4	3/4	3/4	3/4	143,089	3/4	133,688	3/4	124,270	3/4	114,811	3/4	104,710	3/4	93,947	3/4	83,183	3/4	72,443
8		8		8	142,894	8	133,492	8	124,073	8	114,614	8	104,486	8	93,722	8	82,958	8	72,221
1/4	1/4	1/4	1/4	1/4	142,700	1/4	133,296	1/4	123,876	1/4	114,417	1/4	104,262	1/4	93,498	1/4	82,734	1/4	71,998
1/2	1/2	1/2	1/2	1/2	142,505	1/2	133,100	1/2	123,679	1/2	114,220	1/2	104,038	1/2	93,274	1/2	82,510	1/2	71,775
3/4	3/4	3/4	3/4	3/4	142,311	3/4	132,904	3/4	123,482	3/4	114,023	3/4	103,813	3/4	93,050	3/4	82,286	3/4	71,552
9		9		9	142,116	9	132,708	9	123,285	9	113,827	9	103,589	9	92,825	9	82,061	9	71,329
1/4	1/4	1/4	1/4	1/4	141,922	1/4	132,513	1/4	123,088	1/4	113,630	1/4	103,365	1/4	92,601	1/4	81,837	1/4	71,107
1/2	1/2	1/2	1/2	1/2	141,728	1/2	132,317	1/2	122,891	1/2	113,433	1/2	103,141	1/2	92,377	1/2	81,613	1/2	70,884
3/4	3/4	3/4	3/4	3/4	141,533	3/4	132,121	3/4	122,694	3/4	113,236	3/4	102,916	3/4	92,153	3/4	81,388	3/4	70,661
10		10		10	141,339	10	131,925	10	122,497	10	113,039	10	102,692	10	91,928	10	81,164	10	70,438
1/4	1/4	1/4	1/4	1/4	141,144	1/4	131,729	1/4	122,300	1/4	112,842	1/4	102,468	1/4	91,704	1/4	80,940	1/4	70,215
1/2	1/2	1/2	1/2	1/2	140,950	1/2	131,533	1/2	122,103	1/2	112,645	1/2	102,244	1/2	91,480	1/2	80,716	1/2	69,992
3/4	3/4	3/4	3/4	3/4	140,755	3/4	131,338	3/4	121,905	3/4	112,449	3/4	102,019	3/4	91,256	3/4	80,491	3/4	69,770
11		11		11	140,561	11	131,142	11	121,708	11	112,252	11	101,795	11	91,031	11	80,267	11	69,546
1/4	1/4	1/4	1/4	1/4	140,366	1/4	130,946	1/4	121,511	1/4	112,055	1/4	101,571	1/4	90,807	1/4	80,043	1/4	69,322
1/2	1/2	1/2	1/2	1/2	140,172	1/2	130,750	1/2	121,314	1/2	111,858	1/2	101,347	1/2	90,583	1/2	79,819	1/2	69,099
3/4	3/4	3/4	3/4	3/4	147,278	3/4	139,977	3/4	130,554	3/4	121,117	3/4	111,661	3/4	101,122	3/4	79,594	3/4	68,875

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 1359"

1 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	68,652	0	57,895	0	47,135	0	36,374	0	25,805	0	15,059	0	4,282	0		0		0	
1/4	68,428	1/4	57,671	1/4	46,910	1/4	36,150	1/4	25,586	1/4	14,834	1/4	4,059	1/4	1/4		1/4		1/4
1/2	68,204	1/2	57,447	1/2	46,686	1/2	35,926	1/2	25,368	1/2	14,609	1/2	3,837	1/2	1/2		1/2		1/2
3/4	67,981	3/4	57,223	3/4	46,462	3/4	35,702	3/4	25,149	3/4	14,384	3/4	3,615	3/4	3/4		3/4		3/4
1	67,757	1	56,998	1	46,238	1	35,477	1	24,930	1	14,160	1	3,395	1	1		1		1
1/4	67,534	1/4	56,774	1/4	46,014	1/4	35,253	1/4	24,711	1/4	13,935	1/4	3,174	1/4	1/4		1/4		1/4
1/2	67,310	1/2	56,550	1/2	45,790	1/2	35,029	1/2	24,492	1/2	13,710	1/2	2,954	1/2	1/2		1/2		1/2
3/4	67,086	3/4	56,326	3/4	45,565	3/4	34,805	3/4	24,274	3/4	13,485	3/4	2,734	3/4	3/4		3/4		3/4
2	66,862	2	56,102	2	45,341	2	34,581	2	24,049	2	13,261	2	2,528	2	2		2		2
1/4	66,638	1/4	55,878	1/4	45,117	1/4	34,357	1/4	23,824	1/4	13,036	1/4	2,323	1/4	1/4		1/4		1/4
1/2	66,414	1/2	55,653	1/2	44,893	1/2	34,132	1/2	23,599	1/2	12,811	1/2	2,117	1/2	1/2		1/2		1/2
3/4	66,190	3/4	55,429	3/4	44,669	3/4	33,908	3/4	23,375	3/4	12,586	3/4	1,912	3/4	3/4		3/4		3/4
3	65,966	3	55,205	3	44,445	3	33,684	3	23,150	3	12,362	3	1,744	3	3		3		3
1/4	65,741	1/4	54,981	1/4	44,220	1/4	33,460	1/4	22,925	1/4	12,137	1/4	1,575	1/4	1/4		1/4		1/4
1/2	65,517	1/2	54,757	1/2	43,996	1/2	33,236	1/2	22,700	1/2	11,912	1/2	1,407	1/2	1/2		1/2		1/2
3/4	65,293	3/4	54,533	3/4	43,772	3/4	33,011	3/4	22,476	3/4	11,687	3/4	1,238	3/4	3/4		3/4		3/4
4	65,069	4	54,308	4	43,548	4	32,793	4	22,251	4	11,462	4	1,107	4	4		4		4
1/4	64,845	1/4	54,084	1/4	43,324	1/4	32,575	1/4	22,026	1/4	11,238	1/4	976	1/4	1/4		1/4		1/4
1/2	64,621	1/2	53,860	1/2	43,099	1/2	32,356	1/2	21,801	1/2	11,013	1/2	845	1/2	1/2		1/2		1/2
3/4	64,396	3/4	53,636	3/4	42,875	3/4	32,138	3/4	21,577	3/4	10,788	3/4	714	3/4	3/4		3/4		3/4
5	64,172	5	53,412	5	42,651	5	31,920	5	21,352	5	10,563	5	620	5	5		5		5
1/4	63,948	1/4	53,187	1/4	42,427	1/4	31,701	1/4	21,127	1/4	10,339	1/4	526	1/4	1/4		1/4		1/4
1/2	63,724	1/2	52,963	1/2	42,203	1/2	31,483	1/2	20,902	1/2	10,114	1/2	433	1/2	1/2		1/2		1/2
3/4	63,500	3/4	52,739	3/4	41,979	3/4	31,265	3/4	20,678	3/4	9,889	3/4	339	3/4	3/4		3/4		3/4
6	63,275	6	52,515	6	41,754	6	31,046	6	20,453	6	9,664	6	283	6	6		6		6
1/4	63,051	1/4	52,291	1/4	41,530	1/4	30,828	1/4	20,228	1/4	9,440	1/4	227	1/4	1/4		1/4		1/4
1/2	62,827	1/2	52,067	1/2	41,306	1/2	30,609	1/2	20,003	1/2	9,215	1/2	171	1/2	1/2		1/2		1/2
3/4	62,603	3/4	51,842	3/4	41,082	3/4	30,391	3/4	19,779	3/4	8,990	3/4	114	3/4	3/4		3/4		3/4
7	62,379	7	51,618	7	40,858	7	30,173	7	19,554	7	8,765	7	96	7	7		7		7
1/4	62,155	1/4	51,394	1/4	40,633	1/4	29,954	1/4	19,329	1/4	8,541	1/4	77	1/4	1/4		1/4		1/4
1/2	61,930	1/2	51,170	1/2	40,409	1/2	29,736	1/2	19,104	1/2	8,316	1/2	58	1/2	1/2		1/2		1/2
3/4	61,706	3/4	50,946	3/4	40,185	3/4	29,518	3/4	18,880	3/4	8,091	3/4	39	3/4	3/4		3/4		3/4
8	61,482	8	50,721	8	39,961	8	29,299	8	18,655	8	7,866	8		8	8		8		8
1/4	61,258	1/4	50,497	1/4	39,737	1/4	29,081	1/4	18,430	1/4	7,642	1/4		1/4	1/4		1/4		1/4
1/2	61,034	1/2	50,273	1/2	39,513	1/2	28,863	1/2	18,205	1/2	7,417	1/2		1/2	1/2		1/2		1/2
3/4	60,809	3/4	50,049	3/4	39,288	3/4	28,644	3/4	17,980	3/4	7,192	3/4		3/4	3/4		3/4		3/4
9	60,585	9	49,825	9	39,064	9	28,426	9	17,756	9	6,968	9		9	9		9		9
1/4	60,361	1/4	49,601	1/4	38,840	1/4	28,207	1/4	17,531	1/4	6,743	1/4		1/4	1/4		1/4		1/4
1/2	60,137	1/2	49,376	1/2	38,616	1/2	27,989	1/2	17,306	1/2	6,518	1/2		1/2	1/2		1/2		1/2
3/4	59,913	3/4	49,152	3/4	38,392	3/4	27,771	3/4	17,081	3/4	6,294	3/4		3/4	3/4		3/4		3/4
10	59,689	10	48,928	10	38,168	10	27,552	10	16,857	10	6,070	10		10	10		10		10
1/4	59,464	1/4	48,704	1/4	37,943	1/4	27,334	1/4	16,632	1/4	5,846	1/4		1/4	1/4		1/4		1/4
1/2	59,240	1/2	48,480	1/2	37,719	1/2	27,116	1/2	16,407	1/2	5,622	1/2		1/2	1/2		1/2		1/2
3/4	59,016	3/4	48,256	3/4	37,495	3/4	26,897	3/4	16,182	3/4	5,397	3/4		3/4	3/4		3/4		3/4
11	58,792	11	48,031	11	37,271	11	26,679	11	15,958	11	5,174	11		11	11		11		11
1/4	58,568	1/4	47,807	1/4	37,047	1/4	26,460	1/4	15,733	1/4	4,951	1/4		1/4	1/4		1/4		1/4
1/2	58,344	1/2	47,583	1/2	36,822	1/2	26,242	1/2	15,508	1/2	4,727	1/2		1/2	1/2		1/2		1/2
3/4	58,119	3/4	47,359	3/4	36,598	3/4	26,024	3/4	15,283	3/4	4,504	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/07/2013 CL SW
CALCULATED: 03/07/2013 CL
PRINTED: 03/07/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 1359"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	0	0	0	0	162,053	0	150,054	0	138,030	0	125,959	0	113,888	0	101,817	0	89,746	
1/4	1/4	1/4	1/4	1/4	1/4	161,805	1/4	149,804	1/4	137,779	1/4	125,708	1/4	113,637	1/4	101,566	1/4	89,494	
1/2	1/2	1/2	1/2	170,432	1/2	161,557	1/2	149,553	1/2	137,527	1/2	125,456	1/2	113,385	1/2	101,314	1/2	89,243	
3/4	3/4	3/4	3/4	170,415	3/4	161,307	3/4	149,303	3/4	137,276	3/4	125,205	3/4	113,134	3/4	101,063	3/4	88,991	
1	1	1	1	170,398	1	161,057	1	149,053	1	137,024	1	124,953	1	112,882	1	100,811	1	88,740	
1/4	1/4	1/4	1/4	170,380	1/4	160,807	1/4	148,803	1/4	136,773	1/4	124,702	1/4	112,631	1/4	100,560	1/4	88,488	
1/2	1/2	1/2	1/2	170,363	1/2	160,557	1/2	148,553	1/2	136,521	1/2	124,450	1/2	112,379	1/2	100,308	1/2	88,236	
3/4	3/4	3/4	3/4	170,304	3/4	160,307	3/4	148,303	3/4	136,270	3/4	124,199	3/4	112,128	3/4	100,057	3/4	87,985	
2	2	2	2	170,245	2	160,057	2	148,053	2	136,018	2	123,947	2	111,876	2	99,805	2	87,733	
1/4	1/4	1/4	1/4	170,186	1/4	159,807	1/4	147,803	1/4	135,767	1/4	123,696	1/4	111,625	1/4	99,554	1/4	87,482	
1/2	1/2	1/2	1/2	170,127	1/2	159,557	1/2	147,553	1/2	135,515	1/2	123,444	1/2	111,373	1/2	99,302	1/2	87,230	
3/4	3/4	3/4	3/4	170,026	3/4	159,307	3/4	147,303	3/4	135,264	3/4	123,193	3/4	111,122	3/4	99,051	3/4	86,979	
3	3	3	3	169,925	3	159,057	3	147,053	3	135,012	3	122,941	3	110,870	3	98,799	3	86,727	
1/4	1/4	1/4	1/4	169,824	1/4	158,806	1/4	146,803	1/4	134,761	1/4	122,690	1/4	110,619	1/4	98,548	1/4	86,476	
1/2	1/2	1/2	1/2	169,722	1/2	158,556	1/2	146,552	1/2	134,509	1/2	122,438	1/2	110,367	1/2	98,296	1/2	86,224	
3/4	3/4	3/4	3/4	169,580	3/4	158,306	3/4	146,302	3/4	134,258	3/4	122,187	3/4	110,116	3/4	98,045	3/4	85,973	
4	4	4	4	169,437	4	158,056	4	146,052	4	134,006	4	121,936	4	109,865	4	97,794	4	85,721	
1/4	1/4	1/4	1/4	169,294	1/4	157,806	1/4	145,802	1/4	133,755	1/4	121,684	1/4	109,613	1/4	97,542	1/4	85,470	
1/2	1/2	1/2	1/2	169,151	1/2	157,556	1/2	145,552	1/2	133,504	1/2	121,433	1/2	109,362	1/2	97,291	1/2	85,218	
3/4	3/4	3/4	3/4	168,966	3/4	157,306	3/4	145,302	3/4	133,252	3/4	121,181	3/4	109,110	3/4	97,039	3/4	84,967	
5	5	5	5	168,781	5	157,056	5	145,052	5	133,001	5	120,930	5	108,859	5	96,788	5	84,715	
1/4	1/4	1/4	1/4	168,596	1/4	156,806	1/4	144,802	1/4	132,749	1/4	120,678	1/4	108,607	1/4	96,536	1/4	84,464	
1/2	1/2	1/2	1/2	168,411	1/2	156,556	1/2	144,552	1/2	132,498	1/2	120,427	1/2	108,356	1/2	96,285	1/2	84,212	
3/4	3/4	3/4	3/4	168,184	3/4	156,306	3/4	144,302	3/4	132,246	3/4	120,175	3/4	108,104	3/4	96,033	3/4	83,961	
6	6	6	6	167,957	6	156,056	6	144,052	6	131,995	6	119,924	6	107,853	6	95,782	6	83,709	
1/4	1/4	1/4	1/4	167,731	1/4	155,805	1/4	143,802	1/4	131,743	1/4	119,672	1/4	107,601	1/4	95,530	1/4	83,458	
1/2	1/2	1/2	1/2	167,504	1/2	155,555	1/2	143,552	1/2	131,492	1/2	119,421	1/2	107,350	1/2	95,279	1/2	83,206	
3/4	3/4	3/4	3/4	167,256	3/4	155,305	3/4	143,301	3/4	131,240	3/4	119,169	3/4	107,098	3/4	95,027	3/4	82,954	
7	7	7	7	167,008	7	155,055	7	143,051	7	130,989	7	118,918	7	106,847	7	94,776	7	82,703	
1/4	1/4	1/4	1/4	166,760	1/4	154,805	1/4	142,801	1/4	130,737	1/4	118,666	1/4	106,595	1/4	94,524	1/4	82,451	
1/2	1/2	1/2	1/2	166,513	1/2	154,555	1/2	142,551	1/2	130,486	1/2	118,415	1/2	106,344	1/2	94,273	1/2	82,200	
3/4	3/4	3/4	3/4	166,265	3/4	154,305	3/4	142,301	3/4	130,234	3/4	118,163	3/4	106,092	3/4	94,021	3/4	81,948	
8	8	8	8	166,017	8	154,055	8	142,051	8	129,983	8	117,912	8	105,841	8	93,770	8	81,697	
1/4	1/4	1/4	1/4	165,769	1/4	153,805	1/4	141,801	1/4	129,731	1/4	117,660	1/4	105,589	1/4	93,518	1/4	81,445	
1/2	1/2	1/2	1/2	165,522	1/2	153,555	1/2	141,551	1/2	129,480	1/2	117,409	1/2	105,338	1/2	93,267	1/2	81,194	
3/4	3/4	3/4	3/4	165,274	3/4	153,305	3/4	141,299	3/4	129,228	3/4	117,157	3/4	105,086	3/4	93,015	3/4	80,942	
9	9	9	9	165,026	9	153,055	9	141,048	9	128,977	9	116,906	9	104,835	9	92,764	9	80,691	
1/4	1/4	1/4	1/4	164,778	1/4	152,804	1/4	140,796	1/4	128,725	1/4	116,654	1/4	104,583	1/4	92,512	1/4	80,439	
1/2	1/2	1/2	1/2	164,531	1/2	152,554	1/2	140,545	1/2	128,474	1/2	116,403	1/2	104,332	1/2	92,261	1/2	80,188	
3/4	3/4	3/4	3/4	164,283	3/4	152,304	3/4	140,293	3/4	128,222	3/4	116,151	3/4	104,081	3/4	92,009	3/4	79,936	
10	10	10	10	164,035	10	152,054	10	140,042	10	127,971	10	115,900	10	103,829	10	91,758	10	79,685	
1/4	1/4	1/4	1/4	163,787	1/4	151,804	1/4	139,791	1/4	127,720	1/4	115,649	1/4	103,578	1/4	91,506	1/4	79,433	
1/2	1/2	1/2	1/2	163,539	1/2	151,554	1/2	139,539	1/2	127,468	1/2	115,397	1/2	103,326	1/2	91,255	1/2	79,182	
3/4	3/4	3/4	3/4	163,292	3/4	151,304	3/4	139,288	3/4	127,217	3/4	115,146	3/4	103,075	3/4	91,003	3/4	78,930	
11	11	11	11	163,044	11	151,054	11	139,036	11	126,965	11	114,894	11	102,823	11	90,752	11	78,679	
1/4	1/4	1/4	1/4	162,796	1/4	150,804	1/4	138,785	1/4	126,714	1/4	114,643	1/4	102,572	1/4	90,500	1/4	78,427	
1/2	1/2	1/2	1/2	162,548	1/2	150,554	1/2	138,533	1/2	126,462	1/2	114,391	1/2	102,320	1/2	90,249	1/2	78,176	
3/4	3/4	3/4	3/4	162,301	3/4	150,304	3/4	138,282	3/4	126,211	3/4	114,140	3/4	102,069	3/4	89,997	3/4	77,924	

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'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 1359"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	77,673	0	65,599	0	53,526	0	41,453	0	29,631	0	17,601	0	5,536	0		0		0	
1/4	77,421	1/4	65,348	1/4	53,275	1/4	41,202	1/4	29,387	1/4	17,350	1/4	5,286	1/4	1/4	1/4	1/4	1/4	1/4
1/2	77,169	1/2	65,096	1/2	53,023	1/2	40,950	1/2	29,143	1/2	17,098	1/2	5,036	1/2	1/2	1/2	1/2	1/2	1/2
3/4	76,918	3/4	64,845	3/4	52,772	3/4	40,699	3/4	28,898	3/4	16,847	3/4	4,787	3/4	3/4	3/4	3/4	3/4	3/4
1	76,666	1	64,593	1	52,520	1	40,447	1	28,654	1	16,595	1	4,538	1	1	1	1	1	1
1/4	76,415	1/4	64,342	1/4	52,269	1/4	40,196	1/4	28,409	1/4	16,344	1/4	4,290	1/4	1/4	1/4	1/4	1/4	1/4
1/2	76,163	1/2	64,090	1/2	52,017	1/2	39,944	1/2	28,165	1/2	16,092	1/2	4,041	1/2	1/2	1/2	1/2	1/2	1/2
3/4	75,912	3/4	63,839	3/4	51,766	3/4	39,693	3/4	27,913	3/4	15,841	3/4	3,794	3/4	3/4	3/4	3/4	3/4	3/4
2	75,660	2	63,587	2	51,514	2	39,441	2	27,662	2	15,589	2	3,548	2	2	2	2	2	2
1/4	75,409	1/4	63,336	1/4	51,263	1/4	39,190	1/4	27,410	1/4	15,338	1/4	3,301	1/4	1/4	1/4	1/4	1/4	1/4
1/2	75,157	1/2	63,084	1/2	51,011	1/2	38,938	1/2	27,159	1/2	15,086	1/2	3,055	1/2	1/2	1/2	1/2	1/2	1/2
3/4	74,906	3/4	62,833	3/4	50,760	3/4	38,687	3/4	26,907	3/4	14,835	3/4	2,825	3/4	3/4	3/4	3/4	3/4	3/4
3	74,654	3	62,581	3	50,508	3	38,435	3	26,656	3	14,583	3	2,595	3	3	3	3	3	3
1/4	74,403	1/4	62,330	1/4	50,257	1/4	38,184	1/4	26,404	1/4	14,332	1/4	2,365	1/4	1/4	1/4	1/4	1/4	1/4
1/2	74,151	1/2	62,078	1/2	50,005	1/2	37,932	1/2	26,153	1/2	14,080	1/2	2,135	1/2	1/2	1/2	1/2	1/2	1/2
3/4	73,900	3/4	61,827	3/4	49,754	3/4	37,688	3/4	25,901	3/4	13,829	3/4	1,947	3/4	3/4	3/4	3/4	3/4	3/4
4	73,648	4	61,575	4	49,502	4	37,443	4	25,650	4	13,577	4	1,758	4	4	4	4	4	4
1/4	73,397	1/4	61,324	1/4	49,251	1/4	37,199	1/4	25,398	1/4	13,326	1/4	1,569	1/4	1/4	1/4	1/4	1/4	1/4
1/2	73,145	1/2	61,072	1/2	48,999	1/2	36,954	1/2	25,147	1/2	13,074	1/2	1,381	1/2	1/2	1/2	1/2	1/2	1/2
3/4	72,894	3/4	60,821	3/4	48,747	3/4	36,710	3/4	24,895	3/4	12,823	3/4	1,234	3/4	3/4	3/4	3/4	3/4	3/4
5	72,642	5	60,569	5	48,496	5	36,466	5	24,644	5	12,571	5	1,087	5	5	5	5	5	5
1/4	72,391	1/4	60,317	1/4	48,244	1/4	36,222	1/4	24,392	1/4	12,320	1/4	941	1/4	1/4	1/4	1/4	1/4	1/4
1/2	72,139	1/2	60,066	1/2	47,993	1/2	35,978	1/2	24,141	1/2	12,068	1/2	794	1/2	1/2	1/2	1/2	1/2	1/2
3/4	71,888	3/4	59,814	3/4	47,741	3/4	35,734	3/4	23,889	3/4	11,817	3/4	689	3/4	3/4	3/4	3/4	3/4	3/4
6	71,636	6	59,563	6	47,490	6	35,490	6	23,638	6	11,565	6	584	6	6	6	6	6	6
1/4	71,384	1/4	59,311	1/4	47,238	1/4	35,245	1/4	23,386	1/4	11,314	1/4	480	1/4	1/4	1/4	1/4	1/4	1/4
1/2	71,133	1/2	59,060	1/2	46,987	1/2	35,001	1/2	23,135	1/2	11,062	1/2	375	1/2	1/2	1/2	1/2	1/2	1/2
3/4	70,881	3/4	58,808	3/4	46,735	3/4	34,757	3/4	22,883	3/4	10,811	3/4	312	3/4	3/4	3/4	3/4	3/4	3/4
7	70,630	7	58,557	7	46,484	7	34,513	7	22,632	7	10,559	7	249	7	7	7	7	7	7
1/4	70,378	1/4	58,305	1/4	46,232	1/4	34,269	1/4	22,380	1/4	10,307	1/4	186	1/4	1/4	1/4	1/4	1/4	1/4
1/2	70,127	1/2	58,054	1/2	45,981	1/2	34,025	1/2	22,129	1/2	10,056	1/2	123	1/2	1/2	1/2	1/2	1/2	1/2
3/4	69,875	3/4	57,802	3/4	45,729	3/4	33,781	3/4	21,877	3/4	9,804	3/4	102	3/4	3/4	3/4	3/4	3/4	3/4
8	69,624	8	57,551	8	45,478	8	33,537	8	21,626	8	9,553	8	81	8	8	8	8	8	8
1/4	69,372	1/4	57,299	1/4	45,226	1/4	33,293	1/4	21,374	1/4	9,301	1/4	60	1/4	1/4	1/4	1/4	1/4	1/4
1/2	69,121	1/2	57,048	1/2	44,975	1/2	33,048	1/2	21,123	1/2	9,050	1/2	39	1/2	1/2	1/2	1/2	1/2	1/2
3/4	68,869	3/4	56,796	3/4	44,723	3/4	32,804	3/4	20,871	3/4	8,798	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	68,618	9	56,545	9	44,472	9	32,560	9	20,620	9	8,547	9		9	9	9	9	9	9
1/4	68,366	1/4	56,293	1/4	44,220	1/4	32,316	1/4	20,368	1/4	8,295	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	68,115	1/2	56,042	1/2	43,969	1/2	32,072	1/2	20,116	1/2	8,044	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	67,863	3/4	55,790	3/4	43,717	3/4	31,828	3/4	19,865	3/4	7,793	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	67,612	10	55,539	10	43,466	10	31,584	10	19,613	10	7,541	10		10	10	10	10	10	10
1/4	67,360	1/4	55,287	1/4	43,214	1/4	31,340	1/4	19,362	1/4	7,290	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	67,109	1/2	55,036	1/2	42,962	1/2	31,096	1/2	19,110	1/2	7,039	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	66,857	3/4	54,784	3/4	42,711	3/4	30,851	3/4	18,859	3/4	6,788	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	66,606	11	54,532	11	42,459	11	30,607	11	18,607	11	6,537	11		11	11	11	11	11	11
1/4	66,354	1/4	54,281	1/4	42,208	1/4	30,363	1/4	18,356	1/4	6,286	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	66,103	1/2	54,029	1/2	41,956	1/2	30,119	1/2	18,104	1/2	6,036	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	65,851	3/4	53,778	3/4	41,705	3/4	29,875	3/4	17,853	3/4	5,786	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/07/2013 CL SW
CALCULATED: 03/07/2013 CL
PRINTED: 03/07/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2013

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



BARGE "CBC 1359"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 1/2"

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	144,015	0	133,368	0	122,701	0	111,991	0	101,282	0	90,572	0	79,862		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	143,795	1/4	133,147	1/4	122,477	1/4	111,768	1/4	101,058	1/4	90,349	1/4	79,639		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	151,450	1/2	143,575	1/2	132,925	1/2	111,545	1/2	100,835	1/2	90,126	1/2	79,416		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	151,435	3/4	143,354	3/4	132,703	3/4	111,322	3/4	100,612	3/4	89,903	3/4	79,193		
1		1		1		1	151,419	1	143,132	1	132,481	1	121,808	1	111,099	1	100,389	1	89,680	1	78,969
1/4	1/4	1/4	1/4	1/4	1/4	1/4	151,404	1/4	142,910	1/4	132,259	1/4	121,585	1/4	110,875	1/4	100,166	1/4	89,456	1/4	78,746
1/2	1/2	1/2	1/2	1/2	1/2	1/2	151,389	1/2	142,688	1/2	132,037	1/2	121,362	1/2	110,652	1/2	99,943	1/2	89,233	1/2	78,523
3/4	3/4	3/4	3/4	3/4	3/4	3/4	151,336	3/4	142,466	3/4	131,815	3/4	121,139	3/4	110,429	3/4	99,720	3/4	89,010	3/4	78,300
2		2		2		2	151,284	2	142,244	2	131,593	2	120,916	2	110,206	2	99,497	2	88,787	2	78,077
1/4	1/4	1/4	1/4	1/4	1/4	1/4	151,231	1/4	142,022	1/4	131,371	1/4	120,693	1/4	109,983	1/4	99,273	1/4	88,564	1/4	77,854
1/2	1/2	1/2	1/2	1/2	1/2	1/2	151,179	1/2	141,800	1/2	131,150	1/2	120,469	1/2	109,760	1/2	99,050	1/2	88,341	1/2	77,630
3/4	3/4	3/4	3/4	3/4	3/4	3/4	151,089	3/4	141,578	3/4	130,928	3/4	120,246	3/4	109,537	3/4	98,827	3/4	88,118	3/4	77,407
3		3		3		3	151,000	3	141,357	3	130,706	3	120,023	3	109,314	3	98,604	3	87,895	3	77,184
1/4	1/4	1/4	1/4	1/4	1/4	1/4	150,910	1/4	141,135	1/4	130,484	1/4	119,800	1/4	109,091	1/4	98,381	1/4	87,672	1/4	76,961
1/2	1/2	1/2	1/2	1/2	1/2	1/2	150,820	1/2	140,913	1/2	130,262	1/2	119,577	1/2	108,867	1/2	98,158	1/2	87,448	1/2	76,738
3/4	3/4	3/4	3/4	3/4	3/4	3/4	150,693	3/4	140,691	3/4	130,040	3/4	119,354	3/4	108,644	3/4	97,935	3/4	87,225	3/4	76,515
4		4		4		4	150,567	4	140,469	4	129,818	4	119,131	4	108,421	4	97,712	4	87,002	4	76,292
1/4	1/4	1/4	1/4	1/4	1/4	1/4	150,440	1/4	140,247	1/4	129,596	1/4	118,908	1/4	108,198	1/4	97,489	1/4	86,779	1/4	76,068
1/2	1/2	1/2	1/2	1/2	1/2	1/2	150,313	1/2	140,025	1/2	129,374	1/2	118,684	1/2	107,975	1/2	97,265	1/2	86,556	1/2	75,845
3/4	3/4	3/4	3/4	3/4	3/4	3/4	150,149	3/4	139,803	3/4	129,153	3/4	118,461	3/4	107,752	3/4	97,042	3/4	86,333	3/4	75,622
5		5		5		5	149,985	5	139,581	5	128,931	5	118,238	5	107,529	5	96,819	5	86,110	5	75,399
1/4	1/4	1/4	1/4	1/4	1/4	1/4	149,821	1/4	139,360	1/4	128,709	1/4	118,015	1/4	107,306	1/4	96,596	1/4	85,887	1/4	75,176
1/2	1/2	1/2	1/2	1/2	1/2	1/2	149,657	1/2	139,138	1/2	128,487	1/2	117,792	1/2	107,083	1/2	96,373	1/2	85,663	1/2	74,953
3/4	3/4	3/4	3/4	3/4	3/4	3/4	149,455	3/4	138,916	3/4	128,265	3/4	117,569	3/4	106,859	3/4	96,150	3/4	85,440	3/4	74,729
6		6		6		6	149,254	6	138,694	6	128,043	6	117,346	6	106,636	6	95,927	6	85,217	6	74,506
1/4	1/4	1/4	1/4	1/4	1/4	1/4	149,053	1/4	138,472	1/4	127,821	1/4	117,123	1/4	106,413	1/4	95,704	1/4	84,994	1/4	74,283
1/2	1/2	1/2	1/2	1/2	1/2	1/2	148,852	1/2	138,250	1/2	127,599	1/2	116,900	1/2	106,190	1/2	95,481	1/2	84,771	1/2	74,060
3/4	3/4	3/4	3/4	3/4	3/4	3/4	148,632	3/4	138,028	3/4	127,377	3/4	116,676	3/4	105,967	3/4	95,257	3/4	84,548	3/4	73,837
7		7		7		7	148,412	7	137,806	7	127,156	7	116,453	7	105,744	7	95,034	7	84,325	7	73,614
1/4	1/4	1/4	1/4	1/4	1/4	1/4	148,192	1/4	137,584	1/4	126,934	1/4	116,230	1/4	105,521	1/4	94,811	1/4	84,102	1/4	73,391
1/2	1/2	1/2	1/2	1/2	1/2	1/2	147,972	1/2	137,363	1/2	126,712	1/2	116,007	1/2	105,298	1/2	94,588	1/2	83,879	1/2	73,167
3/4	3/4	3/4	3/4	3/4	3/4	3/4	147,752	3/4	137,141	3/4	126,490	3/4	115,784	3/4	105,074	3/4	94,365	3/4	83,655	3/4	72,944
8		8		8		8	147,533	8	136,919	8	126,268	8	115,561	8	104,851	8	94,142	8	83,432	8	72,721
1/4	1/4	1/4	1/4	1/4	1/4	1/4	147,313	1/4	136,697	1/4	126,046	1/4	115,338	1/4	104,628	1/4	93,919	1/4	83,209	1/4	72,498
1/2	1/2	1/2	1/2	1/2	1/2	1/2	147,093	1/2	136,475	1/2	125,824	1/2	115,115	1/2	104,405	1/2	93,696	1/2	82,986	1/2	72,275
3/4	3/4	3/4	3/4	3/4	3/4	3/4	146,873	3/4	136,253	3/4	125,601	3/4	114,892	3/4	104,182	3/4	93,473	3/4	82,763	3/4	72,052
9		9		9		9	146,653	9	136,031	9	125,378	9	114,668	9	103,959	9	93,249	9	82,540	9	71,828
1/4	1/4	1/4	1/4	1/4	1/4	1/4	146,433	1/4	135,809	1/4	125,155	1/4	114,445	1/4	103,736	1/4	93,026	1/4	82,317	1/4	71,605
1/2	1/2	1/2	1/2	1/2	1/2	1/2	146,214	1/2	135,587	1/2	124,932	1/2	114,222	1/2	103,513	1/2	92,803	1/2	82,093	1/2	71,382
3/4	3/4	3/4	3/4	3/4	3/4	3/4	145,994	3/4	135,365	3/4	124,709	3/4	113,999	3/4	103,290	3/4	92,580	3/4	81,870	3/4	71,159
10		10		10		10	145,774	10	135,144	10	124,485	10	113,776	10	103,066	10	92,357	10	81,647	10	70,936
1/4	1/4	1/4	1/4	1/4	1/4	1/4	145,554	1/4	134,922	1/4	124,262	1/4	113,553	1/4	102,843	1/4	92,134	1/4	81,424	1/4	70,713
1/2	1/2	1/2	1/2	1/2	1/2	1/2	145,334	1/2	134,700	1/2	124,039	1/2	113,330	1/2	102,620	1/2	91,911	1/2	81,201	1/2	70,490
3/4	3/4	3/4	3/4	3/4	3/4	3/4	145,114	3/4	134,478	3/4	123,816	3/4	113,107	3/4	102,397	3/4	91,688	3/4	80,978	3/4	70,266
11		11		11		11	144,895	11	134,256	11	123,593	11	112,884	11	102,174	11	91,464	11	80,755	11	70,043
1/4	1/4	1/4	1/4	1/4	1/4	1/4	144,675	1/4	134,034	1/4	123,370	1/4	112,660	1/4	101,951	1/4	91,241	1/4	80,531	1/4	69,820
1/2	1/2	1/2	1/2	1/2	1/2	1/2	144,455	1/2	133,812	1/2	123,147	1/2	112,437	1/2	101,728	1/2	91,018	1/2	80,308	1/2	69,597
3/4	3/4	3/4	3/4	3/4	3/4	3/4	144,235	3/4	133,590	3/4	122,924	3/4	112,214	3/4	101,505	3/4	90,795	3/4	80,085	3/4	69,374

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'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 1359"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	69,151	0	58,439	0	47,728	0	37,017	0	26,327	0	15,620	0	4,915	0		0		0	
1/4	68,927	1/4	58,216	1/4	47,505	1/4	36,794	1/4	26,104	1/4	15,397	1/4	4,694	1/4	1/4		1/4		1/4
1/2	68,704	1/2	57,993	1/2	47,282	1/2	36,570	1/2	25,882	1/2	15,174	1/2	4,472	1/2	1/2		1/2		1/2
3/4	68,481	3/4	57,770	3/4	47,059	3/4	36,347	3/4	25,659	3/4	14,951	3/4	4,251	3/4	3/4		3/4		3/4
1	68,258	1	57,547	1	46,835	1	36,124	1	25,436	1	14,728	1	4,031	1	1		1		1
1/4	68,035	1/4	57,324	1/4	46,612	1/4	35,901	1/4	25,214	1/4	14,504	1/4	3,810	1/4	1/4		1/4		1/4
1/2	67,812	1/2	57,100	1/2	46,389	1/2	35,678	1/2	24,991	1/2	14,281	1/2	3,589	1/2	1/2		1/2		1/2
3/4	67,589	3/4	56,877	3/4	46,166	3/4	35,455	3/4	24,768	3/4	14,058	3/4	3,371	3/4	3/4		3/4		3/4
2	67,365	2	56,654	2	45,943	2	35,231	2	24,545	2	13,835	2	3,152	2	2		2		2
1/4	67,142	1/4	56,431	1/4	45,720	1/4	35,008	1/4	24,322	1/4	13,612	1/4	2,933	1/4	1/4		1/4		1/4
1/2	66,919	1/2	56,208	1/2	45,496	1/2	34,785	1/2	24,100	1/2	13,389	1/2	2,714	1/2	1/2		1/2		1/2
3/4	66,696	3/4	55,985	3/4	45,273	3/4	34,562	3/4	23,877	3/4	13,166	3/4	2,511	3/4	3/4		3/4		3/4
3	66,473	3	55,761	3	45,050	3	34,339	3	23,653	3	12,942	3	2,307	3	3		3		3
1/4	66,250	1/4	55,538	1/4	44,827	1/4	34,116	1/4	23,430	1/4	12,719	1/4	2,103	1/4	1/4		1/4		1/4
1/2	66,027	1/2	55,315	1/2	44,604	1/2	33,893	1/2	23,207	1/2	12,496	1/2	1,899	1/2	1/2		1/2		1/2
3/4	65,803	3/4	55,092	3/4	44,381	3/4	33,669	3/4	22,984	3/4	12,273	3/4	1,731	3/4	3/4		3/4		3/4
4	65,580	4	54,869	4	44,158	4	33,446	4	22,761	4	12,050	4	1,564	4	4		4		4
1/4	65,357	1/4	54,646	1/4	43,934	1/4	33,223	1/4	22,538	1/4	11,827	1/4	1,397	1/4	1/4		1/4		1/4
1/2	65,134	1/2	54,423	1/2	43,711	1/2	33,000	1/2	22,315	1/2	11,604	1/2	1,229	1/2	1/2		1/2		1/2
3/4	64,911	3/4	54,199	3/4	43,488	3/4	32,777	3/4	22,091	3/4	11,380	3/4	1,099	3/4	3/4		3/4		3/4
5	64,688	5	53,976	5	43,265	5	32,555	5	21,868	5	11,157	5	969	5	5		5		5
1/4	64,464	1/4	53,753	1/4	43,042	1/4	32,333	1/4	21,645	1/4	10,934	1/4	839	1/4	1/4		1/4		1/4
1/2	64,241	1/2	53,530	1/2	42,819	1/2	32,110	1/2	21,422	1/2	10,711	1/2	709	1/2	1/2		1/2		1/2
3/4	64,018	3/4	53,307	3/4	42,595	3/4	31,888	3/4	21,199	3/4	10,488	3/4	616	3/4	3/4		3/4		3/4
6	63,795	6	53,084	6	42,372	6	31,665	6	20,976	6	10,265	6	523	6	6		6		6
1/4	63,572	1/4	52,861	1/4	42,149	1/4	31,443	1/4	20,753	1/4	10,042	1/4	430	1/4	1/4		1/4		1/4
1/2	63,349	1/2	52,637	1/2	41,926	1/2	31,220	1/2	20,529	1/2	9,818	1/2	337	1/2	1/2		1/2		1/2
3/4	63,126	3/4	52,414	3/4	41,703	3/4	30,998	3/4	20,306	3/4	9,595	3/4	281	3/4	3/4		3/4		3/4
7	62,902	7	52,191	7	41,480	7	30,776	7	20,083	7	9,372	7	225	7	7		7		7
1/4	62,679	1/4	51,968	1/4	41,257	1/4	30,553	1/4	19,860	1/4	9,149	1/4	169	1/4	1/4		1/4		1/4
1/2	62,456	1/2	51,745	1/2	41,033	1/2	30,331	1/2	19,637	1/2	8,926	1/2	114	1/2	1/2		1/2		1/2
3/4	62,233	3/4	51,522	3/4	40,810	3/4	30,108	3/4	19,414	3/4	8,703	3/4	95	3/4	3/4		3/4		3/4
8	62,010	8	51,298	8	40,587	8	29,886	8	19,191	8	8,480	8	76	8	8		8		8
1/4	61,787	1/4	51,075	1/4	40,364	1/4	29,663	1/4	18,967	1/4	8,256	1/4	58	1/4	1/4		1/4		1/4
1/2	61,563	1/2	50,852	1/2	40,141	1/2	29,441	1/2	18,744	1/2	8,033	1/2	39	1/2	1/2		1/2		1/2
3/4	61,340	3/4	50,629	3/4	39,918	3/4	29,219	3/4	18,521	3/4	7,810	3/4		3/4	3/4		3/4		3/4
9	61,117	9	50,406	9	39,695	9	28,996	9	18,298	9	7,587	9		9	9		9		9
1/4	60,894	1/4	50,183	1/4	39,471	1/4	28,774	1/4	18,075	1/4	7,364	1/4		1/4	1/4		1/4		1/4
1/2	60,671	1/2	49,960	1/2	39,248	1/2	28,551	1/2	17,852	1/2	7,141	1/2		1/2	1/2		1/2		1/2
3/4	60,448	3/4	49,736	3/4	39,025	3/4	28,329	3/4	17,629	3/4	6,918	3/4		3/4	3/4		3/4		3/4
10	60,225	10	49,513	10	38,802	10	28,106	10	17,405	10	6,695	10		10	10		10		10
1/4	60,001	1/4	49,290	1/4	38,579	1/4	27,884	1/4	17,182	1/4	6,472	1/4		1/4	1/4		1/4		1/4
1/2	59,778	1/2	49,067	1/2	38,356	1/2	27,661	1/2	16,959	1/2	6,249	1/2		1/2	1/2		1/2		1/2
3/4	59,555	3/4	48,844	3/4	38,132	3/4	27,439	3/4	16,736	3/4	6,027	3/4		3/4	3/4		3/4		3/4
11	59,332	11	48,621	11	37,909	11	27,217	11	16,513	11	5,804	11		11	11		11		11
1/4	59,109	1/4	48,397	1/4	37,686	1/4	26,994	1/4	16,290	1/4	5,582	1/4		1/4	1/4		1/4		1/4
1/2	58,886	1/2	48,174	1/2	37,463	1/2	26,772	1/2	16,067	1/2	5,359	1/2		1/2	1/2		1/2		1/2
3/4	58,662	3/4	47,951	3/4	37,240	3/4	26,549	3/4	15,843	3/4	5,137	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2013

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