

SAYBOLT INC.  
 400 Jackson Drive  
 Kenilworth, NJ 07033  
 (908) -245-3100

BARGE CBC 111

ULLAGE TRIM CORRECTIONS

DOWN	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	BY BOW	BY STERN	BY BOW	BY STERN	BY BOW	BY STERN	BY BOW	BY STERN	BY BOW	BY STERN	BY BOW	BY STERN
TANK 1	-0 1/8"	+0 1/8"	-0 1/4"	+0 1/4"	-0 3/8"	+0 3/8"	-0 1/2"	+0 1/2"	-0 5/8"	+0 5/8"	-0 3/4"	+0 3/4"
TANK 2	NO CORRECTION											
TANK 3	-0 1/8"	+0 1/8"	-0 1/8"	+0 1/8"	-0 1/4"	+0 1/4"	-0 3/8"	+0 3/8"	-0 1/2"	+0 1/2"	-0 1/2"	+0 1/2"

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

LENGTH BETWEEN DRAFT MARKS 164.00'

FWD DRAFT = 6'-0"  
 AFT DRAFT = 9'-0"  
 DIFF. = 3'-0" (DOWN BY STERN)

THE CORRECTION FOR 3'-0" TRIM DOWN BY STERN FOR TANK 1 IS +0 3/8".  
 FOR A MEASURED ULLAGE GAUGE OF 4'-0" ON TANK 1, THE TRIM CORRECTED ULLAGE IS 4'-0 3/8".

September 21, 1999  
 SAYBOLT INC.



**BARGE CBC 111**

**TANK 1**  
 ULLAGE TABLE  
 MMC GAUGING

**MMC GAUGE HEIGHT 15'-10 7/8"**

COMPUTED IN U. S. GALLONS

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	150.986	0	140.033	0	129.068	0	118.103	0	107.138	0	96.173	0	85.208	0	74.242		
1/4	1/4	1/4	150.760	1/4	139.805	1/4	128.840	1/4	117.874	1/4	106.909	1/4	95.944	1/4	84.979	1/4	74.014		
1/2	1/2	1/2	150.535	1/2	139.576	1/2	128.611	1/2	117.646	1/2	106.681	1/2	95.716	1/2	84.751	1/2	73.786		
3/4	3/4	3/4	150.309	3/4	139.348	3/4	128.383	3/4	117.418	3/4	106.452	3/4	95.487	3/4	84.522	3/4	73.557		
1	1	1	150.081	1	139.119	1	128.154	1	117.189	1	106.224	1	95.259	1	84.294	1	73.329		
1/4	1/4	1/4	149.854	1/4	138.891	1/4	127.926	1/4	116.961	1/4	105.976	1/4	95.030	1/4	84.065	1/4	73.100		
1/2	1/2	1/2	149.626	1/2	138.663	1/2	127.697	1/2	116.732	1/2	105.752	1/2	94.802	1/2	83.837	1/2	72.872		
3/4	3/4	3/4	149.399	3/4	138.434	3/4	127.469	3/4	116.504	3/4	105.539	3/4	94.574	3/4	83.608	3/4	72.643		
2	2	2	149.170	2	138.206	2	127.241	2	116.275	2	105.310	2	94.345	2	83.380	2	72.415		
1/4	1/4	1/4	148.942	1/4	137.977	1/4	127.012	1/4	116.047	1/4	105.082	1/4	94.117	1/4	83.152	1/4	72.186		
1/2	1/2	1/2	148.714	1/2	137.749	1/2	126.784	1/2	115.819	1/2	104.854	1/2	93.888	1/2	82.923	1/2	71.958		
3/4	3/4	3/4	148.486	3/4	137.520	3/4	126.555	3/4	115.590	3/4	104.625	3/4	93.660	3/4	82.695	3/4	71.730		
3	3	3	148.258	3	137.292	3	126.327	3	115.362	3	104.397	3	93.431	3	82.466	3	71.501		
1/4	1/4	1/4	148.030	1/4	137.063	1/4	126.098	1/4	115.133	1/4	104.168	1/4	93.203	1/4	82.238	1/4	71.273		
1/2	1/2	1/2	147.801	1/2	136.835	1/2	125.870	1/2	114.905	1/2	103.940	1/2	92.975	1/2	82.009	1/2	71.044		
3/4	3/4	3/4	147.573	3/4	136.607	3/4	125.641	3/4	114.676	3/4	103.711	3/4	92.746	3/4	81.781	3/4	70.816		
4	4	4	147.344	4	136.378	4	125.413	4	114.448	4	103.483	4	92.518	4	81.553	4	70.587		
1/4	1/4	1/4	147.115	1/4	136.150	1/4	125.185	1/4	114.219	1/4	103.254	1/4	92.289	1/4	81.324	1/4	70.359		
1/2	1/2	1/2	146.887	1/2	135.921	1/2	124.956	1/2	113.991	1/2	103.026	1/2	92.061	1/2	81.096	1/2	70.131		
3/4	3/4	3/4	146.658	3/4	135.693	3/4	124.728	3/4	113.763	3/4	102.797	3/4	91.832	3/4	80.867	3/4	69.902		
5	5	5	146.429	5	135.464	5	124.499	5	113.534	5	102.569	5	91.604	5	80.639	5	69.674		
1/4	1/4	1/4	146.201	1/4	135.236	1/4	124.271	1/4	113.306	1/4	102.341	1/4	91.375	1/4	80.410	1/4	69.445		
1/2	1/2	1/2	145.973	1/2	135.007	1/2	124.042	1/2	113.077	1/2	102.112	1/2	91.147	1/2	80.182	1/2	69.217		
3/4	3/4	3/4	145.744	3/4	134.779	3/4	123.814	3/4	112.849	3/4	101.884	3/4	90.919	3/4	80.919	3/4	68.988		
6	6	6	145.516	6	134.551	6	123.585	6	112.620	6	101.655	6	90.690	6	79.725	6	68.760		
1/4	1/4	1/4	145.287	1/4	134.322	1/4	123.357	1/4	112.392	1/4	101.427	1/4	90.462	1/4	79.497	1/4	68.531		
1/2	1/2	1/2	145.059	1/2	134.094	1/2	123.129	1/2	112.163	1/2	101.198	1/2	90.233	1/2	79.268	1/2	68.303		
3/4	3/4	3/4	144.830	3/4	133.865	3/4	122.900	3/4	111.935	3/4	100.970	3/4	90.005	3/4	79.040	3/4	68.075		
7	7	7	144.602	7	133.637	7	122.672	7	111.707	7	100.741	7	89.776	7	78.811	7	67.846		
1/4	1/4	1/4	144.374	1/4	133.408	1/4	122.443	1/4	111.478	1/4	100.513	1/4	89.548	1/4	78.583	1/4	67.618		
1/2	1/2	1/2	144.145	1/2	133.180	1/2	122.215	1/2	111.250	1/2	100.285	1/2	89.319	1/2	78.354	1/2	67.389		
3/4	3/4	3/4	143.917	3/4	132.952	3/4	121.986	3/4	111.021	3/4	100.056	3/4	89.091	3/4	78.126	3/4	67.161		
8	8	8	143.688	8	132.723	8	121.758	8	110.793	8	99.828	8	88.863	8	77.897	8	66.932		
1/4	1/4	1/4	143.460	1/4	132.495	1/4	121.530	1/4	110.564	1/4	99.599	1/4	88.634	1/4	77.669	1/4	66.704		
1/2	1/2	1/2	143.231	1/2	132.266	1/2	121.301	1/2	110.336	1/2	99.371	1/2	88.406	1/2	77.441	1/2	66.475		
3/4	3/4	3/4	143.003	3/4	132.038	3/4	121.073	3/4	110.108	3/4	99.142	3/4	88.177	3/4	77.212	3/4	66.247		
9	9	9	142.774	9	131.809	9	120.844	9	109.879	9	98.914	9	87.949	9	76.984	9	66.019		
1/4	1/4	1/4	142.546	1/4	131.581	1/4	120.616	1/4	109.651	1/4	98.686	1/4	87.720	1/4	76.755	1/4	65.790		
1/2	1/2	1/2	142.318	1/2	131.352	1/2	120.387	1/2	109.422	1/2	98.457	1/2	87.492	1/2	76.527	1/2	65.562		
3/4	3/4	3/4	142.089	3/4	131.124	3/4	120.159	3/4	109.194	3/4	98.229	3/4	87.264	3/4	76.298	3/4	65.333		
10	10	10	141.861	10	130.896	10	119.930	10	108.965	10	98.000	10	87.035	10	76.070	10	65.105		
1/4	1/4	1/4	141.632	1/4	130.667	1/4	119.702	1/4	108.737	1/4	97.772	1/4	86.807	1/4	75.842	1/4	64.876		
1/2	1/2	1/2	141.404	1/2	130.439	1/2	119.474	1/2	108.508	1/2	97.543	1/2	86.578	1/2	75.613	1/2	64.648		
3/4	3/4	3/4	141.175	3/4	130.210	3/4	119.245	3/4	108.280	3/4	97.315	3/4	86.350	3/4	75.385	3/4	64.420		
11	11	11	140.947	11	129.982	11	119.017	11	108.052	11	97.086	11	86.121	11	75.156	11	64.191		
1/4	1/4	1/4	140.718	1/4	129.753	1/4	118.788	1/4	107.823	1/4	96.858	1/4	85.893	1/4	74.928	1/4	63.963		
1/2	1/2	1/2	140.490	1/2	129.525	1/2	118.560	1/2	107.595	1/2	96.630	1/2	85.664	1/2	74.699	1/2	63.734		
3/4	3/4	3/4	140.262	3/4	129.296	3/4	118.331	3/4	107.366	3/4	96.401	3/4	85.436	3/4	74.471	3/4	63.506		

GAUGE LOCATED 26'-6" FROM AFT BULKHEAD AND  
 1'-4" FROM CENTERLINE BULKHEAD.

TABLE COMPUTED IN ACCORDANCE WITH API MEMS CHAPTER 2.7.

THIS TABLE SUPERSEDES ALL TABLES ISSUED PRIOR TO 09/99

CHART IS CERTIFIED FOR THIS TANK ONLY.  
 COMPUTED BY: JW  
 STRAPPED BY: BC & CJ  
 09/17/99  
 09/14/99

**SAYBOLT INC.**

MMC GAUGE HEIGHT 15'-10 7/8"

COMPUTED IN U. S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.
0	63.277	0	52.312	0	41.347	0	30.382	0	19.418	0	8.453
1/4	63.049	1/4	52.084	1/4	41.119	1/4	30.154	1/4	19.190	1/4	8.224
1/2	62.820	1/2	51.855	1/2	40.890	1/2	29.925	1/2	18.961	1/2	7.996
3/4	62.592	3/4	51.627	3/4	40.662	3/4	29.697	3/4	18.733	3/4	7.768
1	62.364	1	51.398	1	40.433	1	29.468	1	18.504	1	7.539
1/4	62.135	1/4	51.170	1/4	40.205	1/4	29.240	1/4	18.276	1/4	7.311
1/2	61.907	1/2	50.942	1/2	39.976	1/2	29.011	1/2	18.047	1/2	7.082
3/4	61.678	3/4	50.713	3/4	39.748	3/4	28.783	3/4	17.819	3/4	6.854
2	61.450	2	50.485	2	39.520	2	28.554	2	17.591	2	6.626
1/4	61.221	1/4	50.256	1/4	39.291	1/4	28.326	1/4	17.362	1/4	6.397
1/2	60.993	1/2	50.028	1/2	39.063	1/2	28.098	1/2	17.134	1/2	6.169
3/4	60.764	3/4	49.799	3/4	38.834	3/4	27.869	3/4	16.905	3/4	5.941
3	60.536	3	49.571	3	38.606	3	27.641	3	16.677	3	5.713
1/4	60.308	1/4	49.342	1/4	38.377	1/4	27.412	1/4	16.448	1/4	5.485
1/2	60.079	1/2	49.114	1/2	38.149	1/2	27.184	1/2	16.220	1/2	5.257
3/4	59.851	3/4	48.886	3/4	37.920	3/4	26.956	3/4	15.991	3/4	5.029
4	59.622	4	48.657	4	37.692	4	26.727	4	15.763	4	4.801
1/4	59.394	1/4	48.429	1/4	37.464	1/4	26.499	1/4	15.535	1/4	4.574
1/2	59.165	1/2	48.200	1/2	37.235	1/2	26.270	1/2	15.306	1/2	4.347
3/4	58.937	3/4	47.972	3/4	37.007	3/4	26.042	3/4	15.078	3/4	4.119
5	58.709	5	47.743	5	36.778	5	25.814	5	14.849	5	3.893
1/4	58.480	1/4	47.515	1/4	36.550	1/4	25.585	1/4	14.621	1/4	3.667
1/2	58.252	1/2	47.287	1/2	36.321	1/2	25.357	1/2	14.392	1/2	3.440
3/4	58.023	3/4	47.058	3/4	36.093	3/4	25.128	3/4	14.164	3/4	3.214
6	57.795	6	46.830	6	35.865	6	24.900	6	13.935	6	2.989
1/4	57.566	1/4	46.601	1/4	35.636	1/4	24.672	1/4	13.707	1/4	2.765
1/2	57.338	1/2	46.373	1/2	35.408	1/2	24.443	1/2	13.479	1/2	2.540
3/4	57.109	3/4	46.144	3/4	35.179	3/4	24.215	3/4	13.250	3/4	2.316
7	56.881	7	45.916	7	34.951	7	23.986	7	13.022	7	2.104
1/4	56.653	1/4	45.687	1/4	34.722	1/4	23.758	1/4	12.793	1/4	1.893
1/2	56.424	1/2	45.459	1/2	34.494	1/2	23.530	1/2	12.565	1/2	1.682
3/4	56.196	3/4	45.231	3/4	34.265	3/4	23.301	3/4	12.336	3/4	1.471
8	55.967	8	45.002	8	34.037	8	23.073	8	12.108	8	1.300
1/4	55.739	1/4	44.774	1/4	33.809	1/4	22.844	1/4	11.880	1/4	1.128
1/2	55.510	1/2	44.545	1/2	33.580	1/2	22.616	1/2	11.651	1/2	957
3/4	55.282	3/4	44.317	3/4	33.352	3/4	22.388	3/4	11.423	3/4	785
9	55.053	9	44.088	9	33.123	9	22.159	9	11.194	9	669
1/4	54.825	1/4	43.860	1/4	32.895	1/4	21.931	1/4	10.966	1/4	553
1/2	54.597	1/2	43.631	1/2	32.666	1/2	21.702	1/2	10.737	1/2	437
3/4	54.368	3/4	43.403	3/4	32.438	3/4	21.474	3/4	10.509	3/4	321
10	54.140	10	43.175	10	32.209	10	21.246	10	10.280	10	262
1/4	53.911	1/4	42.946	1/4	31.981	1/4	21.017	1/4	10.052	1/4	203
1/2	53.683	1/2	42.718	1/2	31.753	1/2	20.789	1/2	9.824	1/2	143
3/4	53.454	3/4	42.489	3/4	31.524	3/4	20.560	3/4	9.595	3/4	84
11	53.226	11	42.261	11	31.296	11	20.332	11	9.367	11	58
1/4	52.998	1/4	42.032	1/4	31.067	1/4	20.103	1/4	9.138		
1/2	52.769	1/2	41.804	1/2	30.839	1/2	19.875	1/2	8.910		
3/4	52.541	3/4	41.576	3/4	30.610	3/4	19.646	3/4	8.681		

GAUGE LOCATED 26'-6" FROM AFT BULKHEAD AND 1'-4" FROM CENTERLINE BULKHEAD.

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SAYBOLT INC



**MMC GAUGE HEIGHT 15'-10 3/4"**

COMPUTED IN U. S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.
0	60,340	0	49,831	0	39,322	0	28,813	0	18,502	0	7,993
1/4	60,122	1/4	49,612	1/4	39,103	1/4	28,594	1/4	18,283	1/4	7,774
1/2	59,903	1/2	49,393	1/2	38,884	1/2	28,375	1/2	18,064	1/2	7,555
3/4	59,684	3/4	49,175	3/4	38,665	3/4	28,156	3/4	17,845	3/4	7,336
1	59,465	1	48,956	1	38,446	1	27,937	1	17,626	1	7,117
1/4	59,246	1/4	48,737	1/4	38,228	1/4	27,718	1/4	17,407	1/4	6,898
1/2	59,027	1/2	48,518	1/2	38,009	1/2	27,499	1/2	17,188	1/2	6,679
3/4	58,808	3/4	48,299	3/4	37,790	3/4	27,281	3/4	16,969	3/4	6,460
2	58,589	2	48,080	2	37,571	2	27,062	2	16,750	2	6,241
1/4	58,370	1/4	47,861	1/4	37,352	1/4	26,843	1/4	16,531	1/4	6,022
1/2	58,151	1/2	47,642	1/2	37,133	1/2	26,624	1/2	16,312	1/2	5,803
3/4	57,932	3/4	47,423	3/4	36,914	3/4	26,405	3/4	16,093	3/4	5,584
3	57,713	3	47,204	3	36,695	3	26,186	3	15,874	3	5,365
1/4	57,494	1/4	46,985	1/4	36,476	1/4	25,967	1/4	15,655	1/4	5,146
1/2	57,275	1/2	46,766	1/2	36,257	1/2	25,748	1/2	15,436	1/2	4,927
3/4	57,056	3/4	46,547	3/4	36,038	3/4	25,529	3/4	15,217	3/4	4,708
4	56,837	4	46,328	4	35,819	4	25,310	4	14,998	4	4,489
1/4	56,618	1/4	46,109	1/4	35,600	1/4	25,091	1/4	14,779	1/4	4,270
1/2	56,400	1/2	45,890	1/2	35,381	1/2	24,872	1/2	14,560	1/2	4,051
3/4	56,181	3/4	45,671	3/4	35,162	3/4	24,653	3/4	14,341	3/4	3,832
5	55,962	5	45,453	5	34,943	5	24,434	5	14,122	5	3,613
1/4	55,743	1/4	45,234	1/4	34,724	1/4	24,215	1/4	13,903	1/4	3,394
1/2	55,524	1/2	45,015	1/2	34,505	1/2	23,996	1/2	13,684	1/2	3,175
3/4	55,305	3/4	44,796	3/4	34,286	3/4	23,777	3/4	13,465	3/4	2,956
6	55,086	6	44,577	6	34,067	6	23,558	6	13,246	6	2,737
1/4	54,867	1/4	44,358	1/4	33,848	1/4	23,339	1/4	13,027	1/4	2,518
1/2	54,648	1/2	44,139	1/2	33,629	1/2	23,120	1/2	12,808	1/2	2,299
3/4	54,429	3/4	43,920	3/4	33,410	3/4	22,901	3/4	12,589	3/4	2,080
7	54,210	7	43,701	7	33,192	7	22,682	7	12,370	7	1,861
1/4	53,991	1/4	43,482	1/4	32,973	1/4	22,463	1/4	12,151	1/4	1,642
1/2	53,772	1/2	43,263	1/2	32,754	1/2	22,244	1/2	11,932	1/2	1,423
3/4	53,553	3/4	43,044	3/4	32,535	3/4	22,025	3/4	11,713	3/4	1,204
8	53,334	8	42,825	8	32,316	8	21,806	8	11,494	8	1,151
1/4	53,115	1/4	42,606	1/4	32,097	1/4	21,587	1/4	11,275	1/4	992
1/2	52,897	1/2	42,387	1/2	31,878	1/2	21,368	1/2	11,056	1/2	833
3/4	52,678	3/4	42,168	3/4	31,659	3/4	21,149	3/4	10,837	3/4	674
9	52,459	9	41,950	9	31,440	9	20,930	9	10,618	9	569
1/4	52,240	1/4	41,731	1/4	31,221	1/4	20,711	1/4	10,400	1/4	465
1/2	52,021	1/2	41,512	1/2	31,003	1/2	20,492	1/2	10,181	1/2	360
3/4	51,802	3/4	41,293	3/4	30,784	3/4	20,273	3/4	9,962	3/4	256
10	51,583	10	41,074	10	30,565	10	20,054	10	9,743	10	206
1/4	51,364	1/4	40,855	1/4	30,346	1/4	19,835	1/4	9,524	1/4	156
1/2	51,145	1/2	40,636	1/2	30,127	1/2	19,616	1/2	9,305	1/2	106
3/4	50,926	3/4	40,417	3/4	29,908	3/4	19,397	3/4	9,086	3/4	56
11	50,707	11	40,198	11	29,689	11	19,178	11	8,867		
1/4	50,488	1/4	39,979	1/4	29,470	1/4	18,959	1/4	8,648		
1/2	50,269	1/2	39,760	1/2	29,251	1/2	18,740	1/2	8,429		
3/4	50,050	3/4	39,541	3/4	29,032	3/4	18,521	3/4	8,210		

GAUGE LOCATED 27'-0" FROM AFT BULKHEAD AND 1'-4" FROM CENTERLINE BULKHEAD.

TABLE COMPUTED IN ACCORDANCE WITH API MPMS CHAPTER 2.7.

THIS TABLE SUPERSEDES ALL TABLES ISSUED PRIOR TO 09/99

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**SAYBOLT INC.**  


**BARGE CBC 111**

**TANK 3**  
 ULLAGE TABLE  
 MMC GAUGING

**MMC GAUGE HEIGHT 15'-11"**

COMPUTED IN U. S. GALLONS

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	150.581	0	150.581	0	139.635	0	128.677	0	117.718	0	106.760	0	95.801	0	84.843	0	73.885
1/4	1/4	1/4	150.355	1/4	150.355	1/4	139.407	1/4	128.448	1/4	117.490	1/4	106.532	1/4	95.573	1/4	84.615	1/4	73.656
1/2	1/2	1/2	150.128	1/2	150.128	1/2	139.178	1/2	128.220	1/2	117.262	1/2	106.303	1/2	95.345	1/2	84.386	1/2	73.428
3/4	3/4	3/4	149.902	3/4	149.902	3/4	138.950	3/4	127.992	3/4	117.033	3/4	106.075	3/4	95.117	3/4	84.158	3/4	73.200
1	1	1	149.675	1	149.675	1	138.722	1	127.763	1	116.805	1	105.847	1	94.888	1	83.930	1	72.971
1/4	1/4	1/4	149.448	1/4	149.448	1/4	138.494	1/4	127.535	1/4	116.577	1/4	105.618	1/4	94.660	1/4	83.702	1/4	72.743
1/2	1/2	1/2	149.220	1/2	149.220	1/2	138.265	1/2	127.307	1/2	116.348	1/2	105.390	1/2	94.432	1/2	83.473	1/2	72.515
3/4	3/4	3/4	148.992	3/4	148.992	3/4	138.037	3/4	127.079	3/4	116.120	3/4	105.162	3/4	94.203	3/4	83.245	3/4	72.287
2	2	2	148.765	2	148.765	2	137.809	2	126.850	2	115.892	2	104.933	2	93.975	2	83.017	2	72.058
1/4	1/4	1/4	148.537	1/4	148.537	1/4	137.580	1/4	126.622	1/4	115.664	1/4	104.705	1/4	93.747	1/4	82.788	1/4	71.830
1/2	1/2	1/2	148.309	1/2	148.309	1/2	137.352	1/2	126.394	1/2	115.435	1/2	104.477	1/2	93.518	1/2	82.560	1/2	71.602
3/4	3/4	3/4	148.081	3/4	148.081	3/4	137.124	3/4	126.165	3/4	115.207	3/4	104.249	3/4	93.290	3/4	82.332	3/4	71.373
3	3	3	147.853	3	147.853	3	136.895	3	125.937	3	114.979	3	104.020	3	93.062	3	82.103	3	71.145
1/4	1/4	1/4	147.625	1/4	147.625	1/4	136.667	1/4	125.709	1/4	114.750	1/4	103.792	1/4	92.834	1/4	81.875	1/4	70.917
1/2	1/2	1/2	147.397	1/2	147.397	1/2	136.439	1/2	125.480	1/2	114.522	1/2	103.564	1/2	92.605	1/2	81.647	1/2	70.688
3/4	3/4	3/4	147.169	3/4	147.169	3/4	136.211	3/4	125.252	3/4	114.294	3/4	103.335	3/4	92.377	3/4	81.419	3/4	70.460
4	4	4	146.941	4	146.941	4	135.982	4	125.024	4	114.065	4	103.107	4	92.149	4	81.190	4	70.232
1/4	1/4	1/4	146.712	1/4	146.712	1/4	135.754	1/4	124.796	1/4	113.837	1/4	102.879	1/4	91.920	1/4	80.962	1/4	70.004
1/2	1/2	1/2	146.484	1/2	146.484	1/2	135.526	1/2	124.567	1/2	113.609	1/2	102.650	1/2	91.692	1/2	80.734	1/2	69.775
3/4	3/4	3/4	146.256	3/4	146.256	3/4	135.297	3/4	124.339	3/4	113.381	3/4	102.422	3/4	91.464	3/4	80.505	3/4	69.547
5	5	5	146.027	5	146.027	5	135.069	5	124.111	5	113.152	5	102.194	5	91.235	5	80.277	5	69.319
1/4	1/4	1/4	145.799	1/4	145.799	1/4	134.841	1/4	123.882	1/4	112.924	1/4	101.966	1/4	91.007	1/4	80.049	1/4	69.091
1/2	1/2	1/2	145.571	1/2	145.571	1/2	134.612	1/2	123.654	1/2	112.696	1/2	101.737	1/2	90.779	1/2	79.820	1/2	68.862
3/4	3/4	3/4	145.343	3/4	145.343	3/4	134.384	3/4	123.426	3/4	112.467	3/4	101.509	3/4	90.551	3/4	79.592	3/4	68.634
6	6	6	145.114	6	145.114	6	134.156	6	123.197	6	112.239	6	101.281	6	90.322	6	79.364	6	68.405
1/4	1/4	1/4	144.886	1/4	144.886	1/4	133.928	1/4	122.969	1/4	112.011	1/4	101.052	1/4	90.094	1/4	79.136	1/4	68.177
1/2	1/2	1/2	144.658	1/2	144.658	1/2	133.699	1/2	122.741	1/2	111.782	1/2	100.824	1/2	89.866	1/2	78.907	1/2	67.949
3/4	3/4	3/4	144.429	3/4	144.429	3/4	133.471	3/4	122.513	3/4	111.554	3/4	100.596	3/4	89.637	3/4	78.679	3/4	67.721
7	7	7	144.201	7	144.201	7	133.243	7	122.284	7	111.326	7	100.367	7	89.409	7	78.451	7	67.492
1/4	1/4	1/4	143.973	1/4	143.973	1/4	133.014	1/4	122.056	1/4	111.098	1/4	100.139	1/4	89.181	1/4	78.222	1/4	67.264
1/2	1/2	1/2	143.744	1/2	143.744	1/2	132.786	1/2	121.828	1/2	110.869	1/2	99.911	1/2	88.952	1/2	77.994	1/2	67.036
3/4	3/4	3/4	143.516	3/4	143.516	3/4	132.558	3/4	121.599	3/4	110.641	3/4	99.683	3/4	88.724	3/4	77.766	3/4	66.807
8	8	8	143.288	8	143.288	8	132.329	8	121.371	8	110.413	8	99.454	8	88.496	8	77.537	8	66.579
1/4	1/4	1/4	143.060	1/4	143.060	1/4	132.101	1/4	121.143	1/4	110.184	1/4	99.226	1/4	88.268	1/4	77.309	1/4	66.351
1/2	1/2	1/2	142.831	1/2	142.831	1/2	131.873	1/2	120.914	1/2	109.956	1/2	98.998	1/2	88.039	1/2	77.081	1/2	66.122
3/4	3/4	3/4	142.603	3/4	142.603	3/4	131.645	3/4	120.686	3/4	109.728	3/4	98.769	3/4	87.811	3/4	76.853	3/4	65.894
9	9	9	142.375	9	142.375	9	131.416	9	120.458	9	109.499	9	98.541	9	87.583	9	76.624	9	65.666
1/4	1/4	1/4	142.146	1/4	142.146	1/4	131.188	1/4	120.230	1/4	109.271	1/4	98.313	1/4	87.354	1/4	76.396	1/4	65.438
1/2	1/2	1/2	141.918	1/2	141.918	1/2	130.960	1/2	120.001	1/2	109.043	1/2	98.084	1/2	87.126	1/2	76.168	1/2	65.209
3/4	3/4	3/4	141.690	3/4	141.690	3/4	130.731	3/4	119.773	3/4	108.815	3/4	97.856	3/4	86.898	3/4	75.939	3/4	64.981
10	10	10	141.461	10	141.461	10	130.503	10	119.545	10	108.586	10	97.628	10	86.669	10	75.711	10	64.753
1/4	1/4	1/4	141.233	1/4	141.233	1/4	130.275	1/4	119.316	1/4	108.358	1/4	97.400	1/4	86.441	1/4	75.483	1/4	64.524
1/2	1/2	1/2	141.005	1/2	141.005	1/2	130.046	1/2	119.088	1/2	108.130	1/2	97.171	1/2	86.213	1/2	75.254	1/2	64.296
3/4	3/4	3/4	140.777	3/4	140.777	3/4	129.818	3/4	118.860	3/4	107.901	3/4	96.943	3/4	85.985	3/4	75.026	3/4	64.068
11	11	11	140.548	11	140.548	11	129.590	11	118.631	11	107.673	11	96.715	11	85.756	11	74.797	11	63.839
1/4	1/4	1/4	140.320	1/4	140.320	1/4	129.362	1/4	118.403	1/4	107.445	1/4	96.486	1/4	85.528	1/4	74.570	1/4	63.611
1/2	1/2	1/2	140.092	1/2	140.092	1/2	129.133	1/2	118.175	1/2	107.216	1/2	96.258	1/2	85.300	1/2	74.341	1/2	63.383
3/4	3/4	3/4	139.863	3/4	139.863	3/4	128.905	3/4	117.947	3/4	106.988	3/4	96.030	3/4	85.071	3/4	74.113	3/4	63.155

GAUGE LOCATED 27'-0" FROM AFT BULKHEAD AND 1'-4" FROM CENTERLINE BULKHEAD.

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**SAYBOLT INC.**

**SAYBOLT INC.**  
 East Coast Headquarters  
 400 Swenson Drive  
 Kenilworth, NJ 07033

**BARGE CBC 111**

**TANK 3**  
 ULLAGE TABLE  
 MMC GAUGING

**MMC GAUGE HEIGHT 15'-11" COMPUTED IN U. S. GALLONS**

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.
0	62,926	0	51,968	0	41,009	0	30,051	0	19,530	0	8,569
1/4	62,698	1/4	51,740	1/4	40,781	1/4	29,823	1/4	19,302	1/4	8,340
1/2	62,470	1/2	51,511	1/2	40,553	1/2	29,594	1/2	19,073	1/2	8,112
3/4	62,241	3/4	51,283	3/4	40,325	3/4	29,366	3/4	18,845	3/4	7,883
1	62,013	1	51,055	1	40,096	1	29,138	1	18,617	1	7,655
1/4	61,785	1/4	50,826	1/4	39,868	1/4	28,913	1/4	18,388	1/4	7,426
1/2	61,556	1/2	50,598	1/2	39,640	1/2	28,689	1/2	18,160	1/2	7,198
3/4	61,328	3/4	50,370	3/4	39,411	3/4	28,465	3/4	17,932	3/4	6,969
2	61,100	2	50,141	2	39,183	2	28,240	2	17,704	2	6,741
1/4	60,872	1/4	49,913	1/4	38,955	1/4	28,019	1/4	17,475	1/4	6,513
1/2	60,643	1/2	49,685	1/2	38,726	1/2	27,797	1/2	17,247	1/2	6,284
3/4	60,415	3/4	49,457	3/4	38,498	3/4	27,575	3/4	17,019	3/4	6,056
3	60,187	3	49,228	3	38,270	3	27,354	3	16,790	3	5,828
1/4	59,958	1/4	49,000	1/4	38,042	1/4	27,135	1/4	16,562	1/4	5,600
1/2	59,730	1/2	48,772	1/2	37,813	1/2	26,917	1/2	16,334	1/2	5,372
3/4	59,502	3/4	48,543	3/4	37,585	3/4	26,698	3/4	16,105	3/4	5,144
4	59,273	4	48,315	4	37,357	4	26,480	4	15,877	4	4,916
1/4	59,045	1/4	48,087	1/4	37,128	1/4	26,264	1/4	15,649	1/4	4,688
1/2	58,817	1/2	47,858	1/2	36,900	1/2	26,047	1/2	15,421	1/2	4,461
3/4	58,589	3/4	47,630	3/4	36,672	3/4	25,831	3/4	15,192	3/4	4,234
5	58,360	5	47,402	5	36,443	5	25,615	5	14,964	5	4,007
1/4	58,132	1/4	47,174	1/4	36,215	1/4	25,398	1/4	14,736	1/4	3,780
1/2	57,904	1/2	46,945	1/2	35,987	1/2	25,182	1/2	14,507	1/2	3,554
3/4	57,675	3/4	46,717	3/4	35,759	3/4	24,966	3/4	14,279	3/4	3,328
6	57,447	6	46,489	6	35,530	6	24,749	6	14,051	6	3,102
1/4	57,219	1/4	46,260	1/4	35,302	1/4	24,533	1/4	13,822	1/4	2,877
1/2	56,990	1/2	46,032	1/2	35,074	1/2	24,317	1/2	13,594	1/2	2,653
3/4	56,762	3/4	45,804	3/4	34,845	3/4	24,101	3/4	13,366	3/4	2,428
7	56,534	7	45,575	7	34,617	7	23,884	7	13,138	7	2,204
1/4	56,306	1/4	45,347	1/4	34,389	1/4	23,668	1/4	12,909	1/4	1,995
1/2	56,077	1/2	45,119	1/2	34,160	1/2	23,452	1/2	12,681	1/2	1,785
3/4	55,849	3/4	44,891	3/4	33,932	3/4	23,235	3/4	12,453	3/4	1,576
8	55,621	8	44,662	8	33,704	8	23,019	8	12,224	8	1,367
1/4	55,392	1/4	44,434	1/4	33,476	1/4	22,803	1/4	11,996	1/4	1,201
1/2	55,164	1/2	44,206	1/2	33,247	1/2	22,586	1/2	11,768	1/2	1,035
3/4	54,936	3/4	43,977	3/4	33,019	3/4	22,370	3/4	11,539	3/4	868
9	54,707	9	43,749	9	32,791	9	22,154	9	11,311	9	702
1/4	54,479	1/4	43,521	1/4	32,562	1/4	21,938	1/4	11,082	1/4	593
1/2	54,251	1/2	43,292	1/2	32,334	1/2	21,721	1/2	10,854	1/2	484
3/4	54,023	3/4	43,064	3/4	32,106	3/4	21,505	3/4	10,625	3/4	375
10	53,794	10	42,836	10	31,877	10	21,289	10	10,397	10	266
1/4	53,566	1/4	42,608	1/4	31,649	1/4	21,072	1/4	10,168	1/4	214
1/2	53,338	1/2	42,379	1/2	31,421	1/2	20,856	1/2	9,940	1/2	162
3/4	53,109	3/4	42,151	3/4	31,193	3/4	20,640	3/4	9,711	3/4	110
11	52,881	11	41,923	11	30,964	11	20,423	11	9,483	11	58
1/4	52,653	1/4	41,694	1/4	30,736	1/4	20,200	1/4	9,254		
1/2	52,424	1/2	41,466	1/2	30,508	1/2	19,977	1/2	9,026		
3/4	52,196	3/4	41,238	3/4	30,279	3/4	19,753	3/4	8,797		

GAUGE LOCATED 27'-0" FROM AFT BULKHEAD AND 1'-4" FROM CENTERLINE BULKHEAD.

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PAGE 6 OF 6

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 STRAPPED BY: BC & CJ 09/14/99

SAYBOLT INC.  
