

SAVOLT INC.
400 Swenson Drive
Kenilworth, NJ 07033
(908) 245-3100

BARGE CBC 221
HULL #113

ULLAGE TRIM CORRECTIONS

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
DOWN	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 1/4"	-0 1/4"	+0 3/8"	-0 3/8"	+0 5/8"	-0 5/8"	+0 7/8"	-0 7/8"	+1 0/0"	-1 0/0"	+1 1/4"	-1 1/4"
2 PORT	+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 5/8"	-0 5/8"
2 STBD	+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 5/8"	-0 5/8"
TANK 3	+0 0/0"	-0 0/0"	+0 1/8"	-0 1/8"	+0 1/8"	-0 1/8"	+0 1/4"	-0 1/4"	+0 1/4"	-0 1/4"	+0 3/8"	-0 3/8"

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

LENGTH BETWEEN DRAFT MARKS 151.00'

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 5/8".
FOR A MEASURED ULLAGE GAUGE OF 4'-0" ON TANK 1, THE TRIM CORRECTED ULLAGE IS 3'-11 3/8".

September 8, 1999
SAVBOLT INC.



BARGE CBC 221
HULL #113

TANK 1
ULLAGE TABLE
MMC GAUGING

MMC GAUGE HEIGHT 15'-7 1/2"

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	235.245	0	218.705	0	201.701	0	184.692	0	167.153	0	148.809	0	130.625	0	112.603		
1/4	1/4	1/4	234.991	1/4	218.553	1/4	201.347	1/4	184.337	1/4	166.769	1/4	148.428	1/4	130.248	1/4	112.229		
1/2	1/2	1/2	234.738	1/2	218.000	1/2	200.993	1/2	183.983	1/2	166.385	1/2	148.048	1/2	129.871	1/2	111.855		
3/4	3/4	3/4	234.423	3/4	217.646	3/4	200.640	3/4	183.628	3/4	166.002	3/4	147.667	3/4	129.494	3/4	111.482		
1	1	1	234.109	1	217.292	1	200.286	1	183.274	1	165.618	1	147.287	1	129.117	1	111.108		
1/4	1/4	1/4	233.794	1/4	216.938	1/4	199.932	1/4	182.919	1/4	165.235	1/4	146.907	1/4	128.739	1/4	110.735		
1/2	1/2	1/2	233.479	1/2	216.583	1/2	199.579	1/2	182.565	1/2	164.851	1/2	146.527	1/2	128.363	1/2	110.362		
3/4	3/4	3/4	233.132	3/4	216.229	3/4	199.224	3/4	182.210	3/4	164.468	3/4	146.147	3/4	127.986	3/4	109.988		
2	2	2	232.785	2	215.875	2	198.870	2	181.856	2	164.085	2	145.767	2	127.610	2	109.615		
1/4	1/4	1/4	232.437	1/4	215.520	1/4	198.515	1/4	181.501	1/4	163.701	1/4	145.387	1/4	127.233	1/4	109.242		
1/2	1/2	1/2	232.090	1/2	215.166	1/2	198.161	1/2	181.147	1/2	163.318	1/2	145.007	1/2	126.857	1/2	108.869		
3/4	3/4	3/4	231.739	3/4	214.811	3/4	197.807	3/4	180.793	3/4	162.935	3/4	144.627	3/4	126.480	3/4	108.496		
3	3	3	231.387	3	214.457	3	197.452	3	180.438	3	162.552	3	144.247	3	126.104	3	108.123		
1/4	1/4	1/4	231.035	1/4	214.102	1/4	197.098	1/4	180.084	1/4	162.169	1/4	143.868	1/4	125.728	1/4	107.750		
1/2	1/2	1/2	230.684	1/2	213.748	1/2	196.743	1/2	179.729	1/2	161.786	1/2	143.488	1/2	125.352	1/2	107.377		
3/4	3/4	3/4	230.331	3/4	213.393	3/4	196.389	3/4	179.375	3/4	161.404	3/4	143.109	3/4	124.976	3/4	107.004		
4	4	4	229.979	4	213.039	4	196.034	4	179.020	4	161.021	4	142.729	4	124.600	4	106.632		
1/4	1/4	1/4	229.626	1/4	212.684	1/4	195.680	1/4	178.666	1/4	160.638	1/4	142.350	1/4	124.223	1/4	106.259		
1/2	1/2	1/2	229.274	1/2	212.330	1/2	195.325	1/2	178.311	1/2	160.255	1/2	141.971	1/2	123.847	1/2	105.886		
3/4	3/4	3/4	228.922	3/4	211.975	3/4	194.971	3/4	177.957	3/4	159.873	3/4	141.591	3/4	123.472	3/4	105.514		
5	5	5	228.569	5	211.621	5	194.617	5	177.602	5	159.491	5	141.212	5	123.096	5	105.142		
1/4	1/4	1/4	228.217	1/4	211.267	1/4	194.262	1/4	177.248	1/4	159.108	1/4	140.833	1/4	122.720	1/4	104.769		
1/2	1/2	1/2	227.865	1/2	210.912	1/2	193.908	1/2	176.894	1/2	158.726	1/2	140.454	1/2	122.345	1/2	104.397		
3/4	3/4	3/4	227.512	3/4	210.558	3/4	193.553	3/4	176.539	3/4	158.343	3/4	140.075	3/4	121.969	3/4	104.025		
6	6	6	227.160	6	210.203	6	193.199	6	176.185	6	157.961	6	139.696	6	121.594	6	103.653		
1/4	1/4	1/4	226.808	1/4	209.849	1/4	192.844	1/4	175.830	1/4	157.579	1/4	139.318	1/4	121.218	1/4	103.281		
1/2	1/2	1/2	226.455	1/2	209.494	1/2	192.490	1/2	175.476	1/2	157.197	1/2	138.939	1/2	120.843	1/2	102.909		
3/4	3/4	3/4	226.103	3/4	209.140	3/4	192.135	3/4	175.121	3/4	156.815	3/4	138.560	3/4	120.468	3/4	102.537		
7	7	7	225.751	7	208.785	7	191.781	7	174.767	7	156.433	7	138.182	7	120.092	7	102.165		
1/4	1/4	1/4	225.399	1/4	208.431	1/4	191.426	1/4	174.412	1/4	156.051	1/4	137.803	1/4	119.717	1/4	101.793		
1/2	1/2	1/2	225.046	1/2	208.076	1/2	191.072	1/2	174.058	1/2	155.669	1/2	137.425	1/2	119.342	1/2	101.422		
3/4	3/4	3/4	224.694	3/4	207.722	3/4	190.717	3/4	173.677	3/4	155.287	3/4	137.046	3/4	118.967	3/4	101.050		
8	8	8	224.342	8	207.368	8	190.363	8	173.296	8	154.906	8	136.668	8	118.592	8	100.678		
1/4	1/4	1/4	223.989	1/4	207.013	1/4	190.009	1/4	172.914	1/4	154.524	1/4	136.290	1/4	118.217	1/4	100.307		
1/2	1/2	1/2	223.637	1/2	206.659	1/2	189.654	1/2	172.533	1/2	154.143	1/2	135.911	1/2	117.842	1/2	99.935		
3/4	3/4	3/4	223.285	3/4	206.304	3/4	189.300	3/4	172.149	3/4	153.761	3/4	135.533	3/4	117.468	3/4	99.564		
9	9	9	222.932	9	205.950	9	188.945	9	171.764	9	153.380	9	135.156	9	117.093	9	99.193		
1/4	1/4	1/4	222.580	1/4	205.595	1/4	188.591	1/4	171.379	1/4	152.998	1/4	134.778	1/4	116.719	1/4	98.822		
1/2	1/2	1/2	222.228	1/2	205.241	1/2	188.236	1/2	170.995	1/2	152.617	1/2	134.400	1/2	116.344	1/2	98.451		
3/4	3/4	3/4	221.876	3/4	204.886	3/4	187.882	3/4	170.610	3/4	152.236	3/4	134.022	3/4	115.970	3/4	98.080		
10	10	10	221.523	10	204.532	10	187.527	10	170.226	10	151.855	10	133.644	10	115.595	10	97.709		
1/4	1/4	1/4	221.171	1/4	204.177	1/4	187.173	1/4	169.842	1/4	151.474	1/4	133.266	1/4	115.221	1/4	97.338		
1/2	1/2	1/2	220.819	1/2	203.823	1/2	186.818	1/2	169.457	1/2	151.093	1/2	132.889	1/2	114.847	1/2	96.967		
3/4	3/4	3/4	220.466	3/4	203.469	3/4	186.464	3/4	169.073	3/4	150.712	3/4	132.511	3/4	114.473	3/4	96.596		
11	11	11	220.114	11	203.115	11	186.109	11	168.689	11	150.331	11	132.134	11	114.099	11	96.225		
1/4	1/4	1/4	219.762	1/4	202.762	1/4	185.755	1/4	168.305	1/4	149.950	1/4	131.756	1/4	113.725	1/4	95.855		
1/2	1/2	1/2	219.409	1/2	202.408	1/2	185.401	1/2	167.921	1/2	149.570	1/2	131.379	1/2	113.351	1/2	95.484		
3/4	3/4	3/4	219.057	3/4	202.054	3/4	185.046	3/4	167.537	3/4	149.189	3/4	131.002	3/4	112.977	3/4	95.114		

GAUGE LOCATED 26'-8" FROM AFT BULKHEAD AND
1'-0" FROM CENTERLINE BULKHEAD.

TABLE COMPUTED IN ACCORDANCE WITH API MPMS 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: CL & CJ
O8/31/99
O9/09/99

SAYBOLT INC.

MMC GAUGE HEIGHT 15'-7 1/2"

COMPUTED IN U. S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.
0	94.743	0	77.045	0	59.510	0	42.165	0	24.960	0	7.913
1/4	94.373	1/4	76.678	1/4	59.146	1/4	41.806	1/4	24.604	1/4	7.560
1/2	94.002	1/2	76.311	1/2	58.782	1/2	41.447	1/2	24.247	1/2	7.207
3/4	93.632	3/4	75.945	3/4	58.419	3/4	41.088	3/4	23.890	3/4	6.855
1	93.262	1	75.578	1	58.056	1	40.729	1	23.533	1	6.503
1/4	92.892	1/4	75.211	1/4	57.692	1/4	40.370	1/4	23.177	1/4	6.151
1/2	92.522	1/2	74.844	1/2	57.329	1/2	40.011	1/2	22.820	1/2	5.799
3/4	92.152	3/4	74.478	3/4	56.966	3/4	39.652	3/4	22.464	3/4	5.448
2	91.782	2	74.112	2	56.603	2	39.292	2	22.108	2	5.098
1/4	91.412	1/4	73.745	1/4	56.240	1/4	38.933	1/4	21.751	1/4	4.747
1/2	91.043	1/2	73.379	1/2	55.877	1/2	38.573	1/2	21.395	1/2	4.396
3/4	90.673	3/4	73.012	3/4	55.514	3/4	38.214	3/4	21.039	3/4	4.048
3	90.304	3	72.646	3	55.151	3	37.854	3	20.683	3	3.699
1/4	89.934	1/4	72.280	1/4	54.788	1/4	37.495	1/4	20.327	1/4	3.350
1/2	89.564	1/2	71.914	1/2	54.425	1/2	37.135	1/2	19.971	1/2	3.002
3/4	89.195	3/4	71.548	3/4	54.063	3/4	36.776	3/4	19.615	3/4	2.689
4	88.826	4	71.182	4	53.700	4	36.417	4	19.259	4	2.375
1/4	88.457	1/4	70.816	1/4	53.338	1/4	36.058	1/4	18.903	1/4	2.062
1/2	88.087	1/2	70.450	1/2	52.975	1/2	35.699	1/2	18.548	1/2	1.749
3/4	87.718	3/4	70.085	3/4	52.613	3/4	35.340	3/4	18.192	3/4	1.518
5	87.349	5	69.719	5	52.251	5	34.981	5	17.837	5	1.287
1/4	86.980	1/4	69.354	1/4	51.889	1/4	34.622	1/4	17.481	1/4	1.056
1/2	86.611	1/2	68.988	1/2	51.526	1/2	34.263	1/2	17.126	1/2	824
3/4	86.243	3/4	68.623	3/4	51.165	3/4	33.905	3/4	16.770	3/4	681
6	85.874	6	68.257	6	50.804	6	33.546	6	16.415	6	539
1/4	85.505	1/4	67.892	1/4	50.443	1/4	33.188	1/4	16.060	1/4	366
1/2	85.137	1/2	67.527	1/2	50.082	1/2	32.829	1/2	15.705	1/2	253
3/4	84.768	3/4	67.162	3/4	49.722	3/4	32.471	3/4	15.350	3/4	198
7	84.400	7	66.796	7	49.361	7	32.112	7	14.995	7	143
1/4	84.031	1/4	66.431	1/4	49.001	1/4	31.754	1/4	14.640	1/4	88
1/2	83.663	1/2	66.066	1/2	48.640	1/2	31.396	1/2	14.285	1/2	33
3/4	83.295	3/4	65.702	3/4	48.280	3/4	31.038	3/4	13.930		
8	82.927	8	65.337	8	47.920	8	30.680	8	13.576		
1/4	82.559	1/4	64.972	1/4	47.560	1/4	30.322	1/4	13.221		
1/2	82.190	1/2	64.607	1/2	47.199	1/2	29.964	1/2	12.867		
3/4	81.823	3/4	64.243	3/4	46.839	3/4	29.606	3/4	12.512		
9	81.455	9	63.878	9	46.479	9	29.248	9	12.158		
1/4	81.087	1/4	63.514	1/4	46.119	1/4	28.890	1/4	11.803		
1/2	80.719	1/2	63.149	1/2	45.759	1/2	28.533	1/2	11.449		
3/4	80.351	3/4	62.785	3/4	45.400	3/4	28.175	3/4	11.095		
10	79.984	10	62.421	10	45.040	10	27.818	10	10.741		
1/4	79.616	1/4	62.057	1/4	44.680	1/4	27.460	1/4	10.387		
1/2	79.249	1/2	61.693	1/2	44.321	1/2	27.103	1/2	10.033		
3/4	78.881	3/4	61.329	3/4	43.961	3/4	26.746	3/4	9.679		
11	78.514	11	60.965	11	43.602	11	26.389	11	9.326		
1/4	78.147	1/4	60.601	1/4	43.243	1/4	26.031	1/4	8.972		
1/2	77.779	1/2	60.237	1/2	42.883	1/2	25.674	1/2	8.618		
3/4	77.412	3/4	59.873	3/4	42.524	3/4	25.317	3/4	8.266		

GAUGE LOCATED 26'-8" FROM AFT BULKHEAD AND
1'-0" FROM CENTERLINE BULKHEAD.

TABLE COMPUTED IN ACCORDANCE WITH API MPMS CHAPTER 2.7.

THIS TABLE SUPERSEDES ALL TABLES ISSUED PRIOR TO 09/99

BARGE CBC 221
HULL #113

2 P. RT
ULLAGE TABLE
MMC GAUGING

MMC GAUGE HEIGHT 15'-5 1/2"

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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

GAUGE LOCATED 25'-3" FROM AFT BULKHEAD AND
1'-0" FROM CENTERLINE BULKHEAD.

TABLE COMPUTED IN ACCORDANCE WITH API MPMS 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: CL & CJ
O8/31/99
O9/09/99

SAYBOLT INC.

MMC GAUGE HEIGHT 15'-5 1/2"

COMPUTED IN U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.
0	45.207	0	36.763	0	28.320	0	20.103	0	11.690	0	3.250
1/4	45.031	1/4	36.588	1/4	28.144	1/4	19.935	1/4	11.514	1/4	3.075
1/2	44.855	1/2	36.412	1/2	27.968	1/2	19.766	1/2	11.338	1/2	2.899
3/4	44.679	3/4	36.236	3/4	27.793	3/4	19.592	3/4	11.162	3/4	2.725
1	44.503	1	36.060	1	27.617	1	19.419	1	10.987	1	2.550
1/4	44.327	1/4	35.884	1/4	27.441	1/4	19.245	1/4	10.811	1/4	2.375
1/2	44.151	1/2	35.708	1/2	27.265	1/2	19.071	1/2	10.635	1/2	2.200
3/4	43.975	3/4	35.532	3/4	27.089	3/4	18.897	3/4	10.459	3/4	2.026
2	43.799	2	35.356	2	26.913	2	18.723	2	10.283	2	1.853
1/4	43.624	1/4	35.180	1/4	26.737	1/4	18.548	1/4	10.107	1/4	1.679
1/2	43.448	1/2	35.004	1/2	26.561	1/2	18.374	1/2	9.931	1/2	1.505
3/4	43.272	3/4	34.829	3/4	26.387	3/4	18.198	3/4	9.755	3/4	1.349
3	43.096	3	34.653	3	26.212	3	18.022	3	9.579	3	1.192
1/4	42.920	1/4	34.477	1/4	26.037	1/4	17.847	1/4	9.403	1/4	1.036
1/2	42.744	1/2	34.301	1/2	25.863	1/2	17.671	1/2	9.228	1/2	880
3/4	42.568	3/4	34.125	3/4	25.688	3/4	17.495	3/4	9.052	3/4	764
4	42.392	4	33.949	4	25.514	4	17.319	4	8.876	4	649
1/4	42.216	1/4	33.773	1/4	25.340	1/4	17.143	1/4	8.700	1/4	534
1/2	42.040	1/2	33.597	1/2	25.165	1/2	16.967	1/2	8.524	1/2	418
3/4	41.865	3/4	33.421	3/4	24.996	3/4	16.791	3/4	8.348	3/4	347
5	41.689	5	33.245	5	24.827	5	16.615	5	8.172	5	275
1/4	41.513	1/4	33.070	1/4	24.657	1/4	16.439	1/4	7.996	1/4	204
1/2	41.337	1/2	32.894	1/2	24.488	1/2	16.264	1/2	7.820	1/2	133
3/4	41.161	3/4	32.718	3/4	24.319	3/4	16.088	3/4	7.644		
6	40.985	6	32.542	6	24.151	6	15.912	6	7.469		
1/4	40.809	1/4	32.366	1/4	23.982	1/4	15.736	1/4	7.293		
1/2	40.633	1/2	32.190	1/2	23.813	1/2	15.560	1/2	7.117		
3/4	40.457	3/4	32.014	3/4	23.645	3/4	15.384	3/4	6.941		
7	40.281	7	31.838	7	23.476	7	15.208	7	6.765		
1/4	40.106	1/4	31.662	1/4	23.307	1/4	15.032	1/4	6.589		
1/2	39.930	1/2	31.486	1/2	23.139	1/2	14.856	1/2	6.413		
3/4	39.754	3/4	31.311	3/4	22.970	3/4	14.680	3/4	6.237		
8	39.578	8	31.135	8	22.802	8	14.505	8	6.061		
1/4	39.402	1/4	30.959	1/4	22.633	1/4	14.329	1/4	5.885		
1/2	39.226	1/2	30.783	1/2	22.464	1/2	14.153	1/2	5.710		
3/4	39.050	3/4	30.607	3/4	22.296	3/4	13.977	3/4	5.534		
9	38.874	9	30.431	9	22.127	9	13.801	9	5.358		
1/4	38.698	1/4	30.255	1/4	21.958	1/4	13.625	1/4	5.182		
1/2	38.522	1/2	30.079	1/2	21.790	1/2	13.449	1/2	5.006		
3/4	38.347	3/4	29.903	3/4	21.621	3/4	13.273	3/4	4.830		
10	38.171	10	29.727	10	21.452	10	13.097	10	4.654		
1/4	37.995	1/4	29.552	1/4	21.284	1/4	12.921	1/4	4.479		
1/2	37.819	1/2	29.376	1/2	21.115	1/2	12.746	1/2	4.303		
3/4	37.643	3/4	29.200	3/4	20.947	3/4	12.570	3/4	4.127		
11	37.467	11	29.024	11	20.778	11	12.394	11	3.952		
1/4	37.291	1/4	28.848	1/4	20.609	1/4	12.218	1/4	3.776		
1/2	37.115	1/2	28.672	1/2	20.441	1/2	12.042	1/2	3.600		
3/4	36.939	3/4	28.496	3/4	20.272	3/4	11.866	3/4	3.425		

GAUGE LOCATED 25'-3" FROM AFT BULKHEAD AND
11'-0" FROM CENTERLINE BULKHEAD.

TABLE COMPUTED IN ACCORDANCE WITH API MPMS CHAPTER 2.7.

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BARGE JBC 221
HULL #113

2 STARBOARD

MMC GAUGE HEIGHT 15'-6"

COMPUTED IN U. S. GALLONS

IN		0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	0	1/4	111.056	1/4	111.902	1/4	103.885	0	95.530	0	87.172	0	78.810	0	70.448	0	62.083	0	53.718		
1/2	1/4	1/2	111.902	1/2	103.711	1/4	86.998	1/4	78.636	1/4	70.273	1/4	61.908	1/4	53.543						
1/2	1/2	1/2	111.749	1/2	103.537	1/2	95.184	1/2	86.823	1/2	78.462	1/2	70.099	1/2	61.794	1/2	53.369				
3/4	3/4	3/4	111.596	3/4	103.363	3/4	95.010	3/4	86.649	3/4	78.288	3/4	69.925	3/4	61.580	3/4	53.195				
1	1	1	111.442	1	103.189	1	94.837	1	86.475	1	78.113	1	69.751	1	61.386	1	53.021				
1/4	1/4	1/4	111.273	1/4	103.015	1/4	94.663	1/4	86.301	1/4	77.939	1/4	69.576	1/4	61.211	1/4	52.846				
1/2	1/2	1/2	111.103	1/2	102.841	1/2	94.488	1/2	86.127	1/2	77.765	1/2	69.402	1/2	61.037	1/2	52.672				
3/4	3/4	3/4	110.934	3/4	102.667	3/4	94.314	3/4	85.952	3/4	77.591	3/4	69.228	3/4	60.863	3/4	52.498				
2	2	2	110.764	2	102.492	2	94.140	2	85.778	2	77.417	2	69.054	2	60.689	2	52.324				
1/4	1/4	1/4	110.593	1/4	102.318	1/4	93.966	1/4	85.604	1/4	77.242	1/4	68.879	1/4	60.514	1/4	52.149				
1/2	1/2	1/2	110.421	1/2	102.144	1/2	93.791	1/2	85.430	1/2	77.068	1/2	68.705	1/2	60.340	1/2	51.975				
3/4	3/4	3/4	110.249	3/4	101.970	3/4	93.617	3/4	85.256	3/4	76.894	3/4	68.531	3/4	60.166	3/4	51.801				
3	3	3	110.077	3	101.796	3	93.443	3	85.081	3	76.720	3	68.356	3	59.991	3	51.627				
1/4	1/4	1/4	109.905	1/4	101.621	1/4	93.269	1/4	84.907	1/4	76.546	1/4	68.182	1/4	59.817	1/4	51.452				
1/2	1/2	1/2	109.733	1/2	101.447	1/2	93.095	1/2	84.733	1/2	76.371	1/2	68.008	1/2	59.643	1/2	51.278				
3/4	3/4	3/4	109.562	3/4	101.273	3/4	92.920	3/4	84.559	3/4	76.197	3/4	67.834	3/4	59.469	3/4	51.104				
4	4	4	109.390	4	101.099	4	92.746	4	84.385	4	76.023	4	67.659	4	59.284	4	50.929				
1/4	1/4	1/4	109.218	1/4	100.925	1/4	92.572	1/4	84.210	1/4	75.849	1/4	67.485	1/4	59.120	1/4	50.755				
1/2	1/2	1/2	109.045	1/2	100.750	1/2	92.398	1/2	84.036	1/2	75.675	1/2	67.311	1/2	58.946	1/2	50.581				
3/4	3/4	3/4	108.873	3/4	100.576	3/4	92.224	3/4	83.862	3/4	75.501	3/4	67.137	3/4	58.772	3/4	50.407				
5	5	5	108.701	5	100.402	5	92.049	5	83.688	5	75.327	5	66.962	5	58.597	5	50.232				
1/4	1/4	1/4	108.529	1/4	100.																

GAUGE LOCATED 25'-3" FROM AFT BULKHEAD AND 11'-0" FROM CENTERLINE BULKHEAD.

TABLE COMPUTED IN ACCORDANCE WITH API MPMS CHAPTER 2.7

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CHART IS CERTIFIED FOR THIS TANK ONLY.
COMPUTED BY: JW 08/31/99
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SAYBOLT INC.



BARGL CBC 221
HULL #113

2 S. CARBOARD
ULLAGE TABLE
MMC GAUGING

COMPUTED IN U. S. GALLONS

MMC GAUGE HEIGHT 15'-6"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.
0	45.353	0	36.988	0	28.623	0	20.290	0	11.930	0	3.567
1/4	45.179	1/4	36.814	1/4	28.449	1/4	20.117	1/4	11.756	1/4	3.393
1/2	45.004	1/2	36.639	1/2	28.274	1/2	19.943	1/2	11.582	1/2	3.220
3/4	44.830	3/4	36.465	3/4	28.100	3/4	19.770	3/4	11.407	3/4	3.046
1	44.656	1	36.291	1	27.926	1	19.597	1	11.233	1	2.872
1/4	44.481	1/4	36.116	1/4	27.752	1/4	19.423	1/4	11.059	1/4	2.699
1/2	44.307	1/2	35.942	1/2	27.577	1/2	19.249	1/2	10.885	1/2	2.526
3/4	44.133	3/4	35.768	3/4	27.403	3/4	19.075	3/4	10.710	3/4	2.353
2	43.959	2	35.594	2	27.229	2	18.901	2	10.536	2	2.180
1/4	43.784	1/4	35.419	1/4	27.054	1/4	18.727	1/4	10.362	1/4	2.008
1/2	43.610	1/2	35.245	1/2	26.880	1/2	18.553	1/2	10.188	1/2	1.835
3/4	43.436	3/4	35.071	3/4	26.706	3/4	18.378	3/4	10.013	3/4	1.663
3	43.262	3	34.897	3	26.532	3	18.204	3	9.839	3	1.491
1/4	43.087	1/4	34.722	1/4	26.357	1/4	18.030	1/4	9.665	1/4	1.336
1/2	42.913	1/2	34.548	1/2	26.183	1/2	17.855	1/2	9.490	1/2	1.181
3/4	42.739	3/4	34.374	3/4	26.009	3/4	17.681	3/4	9.316	3/4	1.027
4	42.564	4	34.200	4	25.835	4	17.507	4	9.142	4	872
1/4	42.390	1/4	34.025	1/4	25.660	1/4	17.333	1/4	8.968	1/4	757
1/2	42.216	1/2	33.851	1/2	25.486	1/2	17.158	1/2	8.793	1/2	643
3/4	42.042	3/4	33.677	3/4	25.312	3/4	16.984	3/4	8.619	3/4	529
5	41.867	5	33.502	5	25.137	5	16.810	5	8.445	5	414
1/4	41.693	1/4	33.328	1/4	24.964	1/4	16.636	1/4	8.271	1/4	344
1/2	41.519	1/2	33.154	1/2	24.791	1/2	16.461	1/2	8.096	1/2	273
3/4	41.345	3/4	32.980	3/4	24.618	3/4	16.287	3/4	7.922	3/4	202
6	41.170	6	32.805	6	24.444	6	16.113	6	7.748	6	131
1/4	40.996	1/4	32.631	1/4	24.271	1/4	15.938	1/4	7.574		
1/2	40.822	1/2	32.457	1/2	24.098	1/2	15.764	1/2	7.399		
3/4	40.647	3/4	32.283	3/4	23.925	3/4	15.590	3/4	7.225		
7	40.473	7	32.108	7	23.752	7	15.416	7	7.051		
1/4	40.299	1/4	31.934	1/4	23.579	1/4	15.241	1/4	6.876		
1/2	40.125	1/2	31.760	1/2	23.406	1/2	15.067	1/2	6.702		
3/4	39.950	3/4	31.585	3/4	23.233	3/4	14.893	3/4	6.528		
8	39.776	8	31.411	8	23.059	8	14.719	8	6.354		
1/4	39.602	1/4	31.237	1/4	22.886	1/4	14.544	1/4	6.179		
1/2	39.428	1/2	31.063	1/2	22.713	1/2	14.370	1/2	6.005		
3/4	39.253	3/4	30.888	3/4	22.540	3/4	14.196	3/4	5.831		
9	39.079	9	30.714	9	22.367	9	14.022	9	5.657		
1/4	38.905	1/4	30.540	1/4	22.194	1/4	13.847	1/4	5.482		
1/2	38.731	1/2	30.366	1/2	22.021	1/2	13.673	1/2	5.308		
3/4	38.556	3/4	30.191	3/4	21.848	3/4	13.499	3/4	5.134		
10	38.382	10	30.017	10	21.675	10	13.324	10	4.960		
1/4	38.208	1/4	29.843	1/4	21.501	1/4	13.150	1/4	4.785		
1/2	38.033	1/2	29.668	1/2	21.328	1/2	12.976	1/2	4.611		
3/4	37.859	3/4	29.494	3/4	21.155	3/4	12.802	3/4	4.437		
11	37.685	11	29.320	11	20.982	11	12.627	11	4.263		
1/4	37.511	1/4	29.146	1/4	20.809	1/4	12.453	1/4	4.089		
1/2	37.336	1/2	28.971	1/2	20.636	1/2	12.279	1/2	3.915		
3/4	37.162	3/4	28.797	3/4	20.463	3/4	12.105	3/4	3.741		

GAUGE LOCATED 25'-3" FROM AFT BULKHEAD AND
11'-0" FROM CENTERLINE BULKHEAD.

TABLE COMPUTED IN ACCORDANCE WITH API MPMS CHAPTER 2.7.

THIS TABLE SUPERSEDES ALL TABLES ISSUED PRIOR TO 09/99

COMPUTED IN U. S. GALLONS

[illegible]

CHART IS CERTIFIED FOR THIS TANK ONLY

COMPUTED BY: JW
STRAPPED BY: CL & CJ

SAYBOLT INC.

MMC GAUGE HEIGHT 15'-9 1/2"

COMPUTED IN U. S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.
0	94.058	0	77.296	0	60.535	0	43.973	0	27.386	0	10.623
1/4	93.708	1/4	76.947	1/4	60.186	1/4	43.632	1/4	27.036	1/4	10.274
1/2	93.359	1/2	76.598	1/2	59.837	1/2	43.291	1/2	26.687	1/2	9.925
3/4	93.010	3/4	76.249	3/4	59.488	3/4	42.950	3/4	26.338	3/4	9.576
1	92.661	1	75.900	1	59.139	1	42.609	1	25.989	1	9.227
1/4	92.312	1/4	75.550	1/4	58.789	1/4	42.268	1/4	25.640	1/4	8.878
1/2	91.962	1/2	75.201	1/2	58.440	1/2	41.927	1/2	25.290	1/2	8.529
3/4	91.613	3/4	74.852	3/4	58.091	3/4	41.586	3/4	24.941	3/4	8.180
2	91.264	2	74.503	2	57.742	2	41.245	2	24.592	2	7.831
1/4	90.915	1/4	74.154	1/4	57.393	1/4	40.904	1/4	24.243	1/4	7.483
1/2	90.566	1/2	73.804	1/2	57.043	1/2	40.563	1/2	23.893	1/2	7.134
3/4	90.216	3/4	73.455	3/4	56.694	3/4	40.222	3/4	23.544	3/4	6.786
3	89.867	3	73.106	3	56.345	3	39.881	3	23.195	3	6.438
1/4	89.518	1/4	72.757	1/4	55.996	1/4	39.540	1/4	22.846	1/4	6.090
1/2	89.169	1/2	72.408	1/2	55.647	1/2	39.199	1/2	22.497	1/2	5.742
3/4	88.820	3/4	72.059	3/4	55.297	3/4	38.857	3/4	22.147	3/4	5.395
4	88.470	4	71.709	4	54.948	4	38.515	4	21.798	4	5.048
1/4	88.121	1/4	71.360	1/4	54.599	1/4	38.173	1/4	21.449	1/4	4.701
1/2	87.772	1/2	71.011	1/2	54.250	1/2	37.831	1/2	21.100	1/2	4.354
3/4	87.423	3/4	70.662	3/4	53.900	3/4	37.489	3/4	20.751	3/4	4.009
5	87.074	5	70.313	5	53.551	5	37.147	5	20.401	5	3.664
1/4	86.725	1/4	69.963	1/4	53.202	1/4	36.804	1/4	20.052	1/4	3.319
1/2	86.375	1/2	69.614	1/2	52.853	1/2	36.462	1/2	19.703	1/2	2.974
3/4	86.026	3/4	69.265	3/4	52.510	3/4	36.114	3/4	19.354	3/4	2.664
6	85.677	6	68.916	6	52.167	6	35.765	6	19.004	6	2.354
1/4	85.328	1/4	68.567	1/4	51.824	1/4	35.417	1/4	18.655	1/4	2.043
1/2	84.979	1/2	68.217	1/2	51.481	1/2	35.069	1/2	18.306	1/2	1.733
3/4	84.629	3/4	67.868	3/4	51.139	3/4	34.719	3/4	17.957	3/4	1.504
7	84.280	7	67.519	7	50.797	7	34.370	7	17.608	7	1.275
1/4	83.931	1/4	67.170	1/4	50.455	1/4	34.021	1/4	17.258	1/4	1.046
1/2	83.582	1/2	66.821	1/2	50.112	1/2	33.672	1/2	16.909	1/2	817
3/4	83.233	3/4	66.472	3/4	49.771	3/4	33.322	3/4	16.560	3/4	675
8	82.883	8	66.122	8	49.430	8	32.973	8	16.211	8	534
1/4	82.534	1/4	65.773	1/4	49.089	1/4	32.624	1/4	15.861	1/4	392
1/2	82.185	1/2	65.424	1/2	48.748	1/2	32.275	1/2	15.512	1/2	250
3/4	81.836	3/4	65.075	3/4	48.407	3/4	31.926	3/4	15.163	3/4	196
9	81.487	9	64.726	9	48.066	9	31.576	9	14.814	9	142
1/4	81.137	1/4	64.376	1/4	47.725	1/4	31.227	1/4	14.465	1/4	87
1/2	80.788	1/2	64.027	1/2	47.383	1/2	30.878	1/2	14.115	1/2	33
3/4	80.439	3/4	63.678	3/4	47.042	3/4	30.529	3/4	13.766		
10	80.090	10	63.329	10	46.701	10	30.179	10	13.417		
1/4	79.741	1/4	62.980	1/4	46.360	1/4	29.830	1/4	13.068		
1/2	79.392	1/2	62.630	1/2	46.019	1/2	29.481	1/2	12.718		
3/4	79.042	3/4	62.281	3/4	45.678	3/4	29.132	3/4	12.369		
11	78.693	11	61.932	11	45.337	11	28.783	11	12.020		
1/4	78.344	1/4	61.583	1/4	44.996	1/4	28.433	1/4	11.671		
1/2	77.995	1/2	61.234	1/2	44.655	1/2	28.084	1/2	11.322		
3/4	77.646	3/4	60.884	3/4	44.314	3/4	27.735	3/4	10.972		

GAUGE LOCATED 24'-5" FROM AFT BULKHEAD AND
1'-0" FROM CENTERLINE BULKHEAD.

TABLE COMPUTED IN ACCORDANCE WITH API MPMS CHAPTER 2.7.

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SAYBOLT INC.

CBC 227

Official No. 1081769

FUEL OIL DAY TANK STRAPPING TABLE

TANK DIMENSIONS: 87" X 40" X 21"

INNAGE INCHES	US GALLONS	OUTAGE INCHES	US GALLONS
1	15.06	1	316.36
2	30.13	2	301.30
3	45.19	3	286.23
4	60.26	4	271.17
5	75.32	5	256.10
6	90.39	6	241.04
7	105.45	7	225.97
8	120.52	8	210.91
9	135.58	9	195.84
10	150.65	10	180.78
11	165.71	11	165.71
12	180.78	12	150.65
13	195.84	13	135.58
14	210.91	14	120.52
15	225.97	15	105.45
16	241.04	16	90.39
17	256.10	17	75.32
18	271.17	18	60.26
19	286.23	19	45.19
20	301.30	20	30.13
21	316.36	21	15.06

Certified By Bill Hatfield 4/6/21

Earl Hatfield Marine Surveyors, LLC