

BARGE CBC 221
HULL #113

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 1/4"	-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"
 DIF. = 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
 SAVOLT 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	234.423	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	128.740	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	233.322	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	192.489	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	185.751	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
 08/31/99
 09/09/99

SAYBOLT 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	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		

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 1'-0" FROM CENTERLINE BULKHEAD.

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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.

THIS TABLE SUPERSEDES ALL TABLES ISSUED PRIOR TO 09/99

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 STRAPPED BY: CL & CJ 09/09/99
SAYBOLT INC.

BARGE JBC 221
HULL #113

2 S. ARBOARD
 ULLAGE TABLE
 MMC GAUGING

MMC GAUGE HEIGHT 15'-6"

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	112.056	0	103.885	0	95.530	0	87.172	0	78.810	0	70.448	0	62.083	0	53.718		
1/4	1/4	1/4	111.902	1/4	103.711	1/4	95.357	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	61.734	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	61.560	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	59.294	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	100.228	1/4	91.875	1/4	83.514	1/4	75.153	1/4	66.788	1/4	58.423	1/4	50.058		
1/2	1/2	1/2	108.357	1/2	100.054	1/2	91.701	1/2	83.339	1/2	74.979	1/2	66.614	1/2	58.249	1/2	49.884		
3/4	3/4	3/4	108.185	3/4	99.879	3/4	91.527	3/4	83.165	3/4	74.804	3/4	66.439	3/4	58.074	3/4	49.710		
6	6	6	108.013	6	99.705	6	91.353	6	82.991	6	74.630	6	66.265	6	57.900	6	49.535		
1/4	1/4	1/4	107.841	1/4	99.531	1/4	91.178	1/4	82.817	1/4	74.456	1/4	66.091	1/4	57.726	1/4	49.361		
1/2	1/2	1/2	107.669	1/2	99.357	1/2	91.004	1/2	82.643	1/2	74.282	1/2	65.917	1/2	57.552	1/2	49.187		
3/4	3/4	3/4	107.497	3/4	99.183	3/4	90.830	3/4	82.468	3/4	74.107	3/4	65.742	3/4	57.377	3/4	49.012		
7	7	7	107.325	7	99.008	7	90.656	7	82.294	7	73.933	7	65.568	7	57.203	7	48.838		
1/4	1/4	1/4	107.153	1/4	98.834	1/4	90.482	1/4	82.120	1/4	73.759	1/4	65.394	1/4	57.029	1/4	48.664		
1/2	1/2	1/2	106.981	1/2	98.660	1/2	90.307	1/2	81.946	1/2	73.585	1/2	65.220	1/2	56.855	1/2	48.490		
3/4	3/4	3/4	106.809	3/4	98.486	3/4	90.133	3/4	81.772	3/4	73.410	3/4	65.045	3/4	56.680	3/4	48.315		
8	8	8	106.637	8	98.312	8	89.959	8	81.597	8	73.236	8	64.871	8	56.506	8	48.141		
1/4	1/4	1/4	106.465	1/4	98.137	1/4	89.785	1/4	81.423	1/4	73.062	1/4	64.697	1/4	56.332	1/4	47.967		
1/2	1/2	1/2	106.293	1/2	97.963	1/2	89.611	1/2	81.249	1/2	72.887	1/2	64.522	1/2	56.158	1/2	47.793		
3/4	3/4	3/4	106.121	3/4	97.789	3/4	89.436	3/4	81.075	3/4	72.713	3/4	64.348	3/4	55.983	3/4	47.618		
9	9	9	105.949	9	97.615	9	89.262	9	80.901	9	72.539	9	64.174	9	55.809	9	47.444		
1/4	1/4	1/4	105.777	1/4	97.441	1/4	89.088	1/4	80.726	1/4	72.365	1/4	64.000	1/4	55.635	1/4	47.270		
1/2	1/2	1/2	105.605	1/2	97.266	1/2	88.914	1/2	80.552	1/2	72.190	1/2	63.825	1/2	55.460	1/2	47.095		
3/4	3/4	3/4	105.433	3/4	97.092	3/4	88.740	3/4	80.378	3/4	72.016	3/4	63.651	3/4	55.286	3/4	46.921		
10	10	10	105.261	10	96.918	10	88.565	10	80.204	10	71.842	10	63.477	10	55.112	10	46.747		
1/4	1/4	1/4	105.089	1/4	96.744	1/4	88.391	1/4	80.030	1/4	71.668	1/4	63.303	1/4	54.938	1/4	46.573		
1/2	1/2	1/2	104.917	1/2	96.571	1/2	88.217	1/2	79.855	1/2	71.493	1/2	63.128	1/2	54.763	1/2	46.398		
3/4	3/4	3/4	104.745	3/4	96.397	3/4	88.043	3/4	79.681	3/4	71.319	3/4	62.954	3/4	54.589	3/4	46.224		
11	11	11	104.573	11	96.224	11	87.869	11	79.507	11	71.145	11	62.780	11	54.415	11	46.050		
1/4	1/4	1/4	104.401	1/4	96.051	1/4	87.694	1/4	79.333	1/4	70.970	1/4	62.606	1/4	54.241	1/4	45.876		
1/2	1/2	1/2	104.229	1/2	95.877	1/2	87.520	1/2	79.159	1/2	70.796	1/2	62.431	1/2	54.066	1/2	45.701		
3/4	3/4	3/4	104.057	3/4	95.704	3/4	87.346	3/4	78.984	3/4	70.622	3/4	62.257	3/4	53.892	3/4	45.527		

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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 SAYBOLT INC.
 08/31/99
 09/09/99



BARGL CBC 221
HULL #113

2 S. ARBOARD
 ULLAGE TABLE
 MMC GAUGING

MMC GAUGE HEIGHT 15'-6"

COMPUTED IN U. S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.
0	45,353	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	1,316
1/2	42,913	1/2	34,548	1/2	26,183	1/2	17,855	1/2	9,490	1/2	1,141
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
 1'-0" FROM CENTERLINE BULKHEAD.

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 08/31/99
 09/09/99

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	75.551	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.

THIS TABLE SUPERSEDES ALL TABLES ISSUED PRIOR TO 09/99

CHART IS CERTIFIED FOR THIS TANK ONLY.
 COMPUTED BY: JW
 STRAPPED BY: CL & CJ
 08/31/99
 09/09/99

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