

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

BARGE CBC 113

VILAGE 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 0/0"	+0 0/0"	-0 0/0"	+0 0/0"	-0 0/0"	+0 0/0"	-0 0/0"	+0 0/0"	-0 0/0"	+0 0/0"	-0 1/8"	+0 1/8"
TANK 2	NO CORRECTION											
TANK 3	+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 3/4"	-0 3/4"	+0 7/8"	-0 7/8"

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

December 10, 1999
 SAYBOLT INC.



MMC GAUGE HEIGHT 16'-0 1/8"

COMPUTED IN U. S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.
0	60,950	0	50,497	0	40,044	0	29,591	0	19,510	0	9,117	0	76
1/4	60,732	1/4	50,279	1/4	39,826	1/4	29,575	1/4	19,298	1/4	8,899	1/4	52
1/2	60,514	1/2	50,062	1/2	39,609	1/2	29,161	1/2	19,086	1/2	8,682		
3/4	60,297	3/4	49,844	3/4	39,391	3/4	28,947	3/4	18,875	3/4	8,464		
1	60,079	1	49,626	1	39,173	1	28,733	1	18,663	1	8,246		
1/4	59,861	1/4	49,408	1/4	38,955	1/4	28,520	1/4	18,451	1/4	8,028		
1/2	59,643	1/2	49,190	1/2	38,737	1/2	28,308	1/2	18,239	1/2	7,811		
3/4	59,426	3/4	48,973	3/4	38,520	3/4	28,096	3/4	18,028	3/4	7,593		
2	59,208	2	48,755	2	38,304	2	27,885	2	17,816	2	7,375		
1/4	58,990	1/4	48,537	1/4	38,084	1/4	27,673	1/4	17,602	1/4	7,157		
1/2	58,772	1/2	48,319	1/2	37,866	1/2	27,461	1/2	17,387	1/2	6,939		
3/4	58,555	3/4	48,102	3/4	37,649	3/4	27,249	3/4	17,171	3/4	6,722		
3	58,337	3	47,884	3	37,431	3	27,037	3	16,956	3	6,504		
1/4	58,119	1/4	47,666	1/4	37,213	1/4	26,825	1/4	16,739	1/4	6,286		
1/2	57,901	1/2	47,448	1/2	36,995	1/2	26,614	1/2	16,521	1/2	6,069		
3/4	57,683	3/4	47,231	3/4	36,778	3/4	26,402	3/4	16,304	3/4	5,851		
4	57,466	4	47,013	4	36,560	4	26,190	4	16,086	4	5,633		
1/4	57,248	1/4	46,795	1/4	36,342	1/4	25,980	1/4	15,868	1/4	5,416		
1/2	57,030	1/2	46,577	1/2	36,124	1/2	25,772	1/2	15,650	1/2	5,199		
3/4	56,812	3/4	46,359	3/4	35,906	3/4	25,564	3/4	15,432	3/4	4,981		
5	56,595	5	46,142	5	35,689	5	25,356	5	15,215	5	4,764		
1/4	56,377	1/4	45,924	1/4	35,471	1/4	25,149	1/4	14,997	1/4	4,547		
1/2	56,159	1/2	45,706	1/2	35,253	1/2	24,943	1/2	14,779	1/2	4,331		
3/4	55,941	3/4	45,488	3/4	35,035	3/4	24,737	3/4	14,561	3/4	4,114		
6	55,724	6	45,271	6	34,818	6	24,532	6	14,344	6	3,897		
1/4	55,506	1/4	45,053	1/4	34,600	1/4	24,326	1/4	14,126	1/4	3,681		
1/2	55,288	1/2	44,835	1/2	34,382	1/2	24,120	1/2	13,908	1/2	3,466		
3/4	55,070	3/4	44,617	3/4	34,164	3/4	23,914	3/4	13,690	3/4	3,250		
7	54,852	7	44,400	7	33,947	7	23,708	7	13,473	7	3,035		
1/4	54,635	1/4	44,182	1/4	33,729	1/4	23,503	1/4	13,255	1/4	2,820		
1/2	54,417	1/2	43,964	1/2	33,511	1/2	23,297	1/2	13,037	1/2	2,606		
3/4	54,199	3/4	43,746	3/4	33,293	3/4	23,091	3/4	12,819	3/4	2,392		
8	53,981	8	43,528	8	33,075	8	22,885	8	12,601	8	2,178		
1/4	53,764	1/4	43,311	1/4	32,858	1/4	22,678	1/4	12,384	1/4	1,972		
1/2	53,546	1/2	43,093	1/2	32,640	1/2	22,468	1/2	12,166	1/2	1,773		
3/4	53,328	3/4	42,875	3/4	32,422	3/4	22,259	3/4	11,948	3/4	1,575		
9	53,110	9	42,657	9	32,204	9	22,049	9	11,730	9	1,376		
1/4	52,893	1/4	42,440	1/4	31,987	1/4	21,839	1/4	11,513	1/4	1,198		
1/2	52,675	1/2	42,222	1/2	31,769	1/2	21,627	1/2	11,295	1/2	1,042		
3/4	52,457	3/4	42,004	3/4	31,551	3/4	21,415	3/4	11,077	3/4	885		
10	52,239	10	41,786	10	31,333	10	21,203	10	10,859	10	729		
1/4	52,021	1/4	41,568	1/4	31,116	1/4	20,992	1/4	10,642	1/4	600		
1/2	51,804	1/2	41,351	1/2	30,898	1/2	20,780	1/2	10,424	1/2	498		
3/4	51,586	3/4	41,133	3/4	30,680	3/4	20,568	3/4	10,206	3/4	396		
11	51,368	11	40,915	11	30,462	11	20,357	11	9,988	11	294		
1/4	51,150	1/4	40,697	1/4	30,244	1/4	20,145	1/4	9,770	1/4	219		
1/2	50,933	1/2	40,480	1/2	30,027	1/2	19,933	1/2	9,553	1/2	171		
3/4	50,715	3/4	40,262	3/4	29,809	3/4	19,721	3/4	9,335	3/4	123		

GAUGE LOCATED 26'-9" FROM API BULKHEAD AND
 1'-6" FROM CENTERLINE BULKHEAD.

TABLE COMPUTED IN ACCORDANCE WITH API MPMS CHAPTER 2.7.

THIS TABLE SUPERSEDES ALL TABLES ISSUED PRIOR TO 12/99

CHART IS CERTIFIED FOR THIS TANK ONLY.
 COMPUTED BY: JW 12/10/99
 STRAPPED BY: CJ & LF 12/08/99
SAYBOLT INC.

MMC GAUGE HEIGHT 16'-0 1/8"
 COMPUTED IN U. S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.
0	61.512	0	51.004	0	40.497	0	29.989	0	19.660	0	9.165	0	76
1/4	61.293	1/4	50.786	1/4	40.278	1/4	29.770	1/4	19.446	1/4	8.946	1/8	52
1/2	61.074	1/2	50.567	1/2	40.059	1/2	29.551	1/2	19.229	1/2	8.727		
3/4	60.855	3/4	50.348	3/4	39.840	3/4	29.332	3/4	19.012	3/4	8.508		
1	60.636	1	50.129	1	39.621	1	29.113	1	18.795	1	8.289		
1/4	60.418	1/4	49.910	1/4	39.402	1/4	28.895	1/4	18.578	1/4	8.070		
1/2	60.199	1/2	49.691	1/2	39.183	1/2	28.676	1/2	18.359	1/2	7.851		
3/4	59.980	3/4	49.472	3/4	38.964	3/4	28.457	3/4	18.140	3/4	7.632		
2	59.761	2	49.253	2	38.745	2	28.238	2	17.921	2	7.413		
1/4	59.542	1/4	49.034	1/4	38.527	1/4	28.019	1/4	17.702	1/4	7.194		
1/2	59.323	1/2	48.815	1/2	38.308	1/2	27.800	1/2	17.483	1/2	6.976		
3/4	59.104	3/4	48.596	3/4	38.089	3/4	27.581	3/4	17.264	3/4	6.757		
3	58.885	3	48.378	3	37.870	3	27.362	3	17.045	3	6.538		
1/4	58.666	1/4	48.159	1/4	37.651	1/4	27.143	1/4	16.827	1/4	6.319		
1/2	58.447	1/2	47.940	1/2	37.432	1/2	26.924	1/2	16.608	1/2	6.100		
3/4	58.228	3/4	47.721	3/4	37.213	3/4	26.705	3/4	16.389	3/4	5.881		
4	58.010	4	47.502	4	36.994	4	26.487	4	16.170	4	5.663		
1/4	57.791	1/4	47.283	1/4	36.775	1/4	26.269	1/4	15.951	1/4	5.444		
1/2	57.572	1/2	47.064	1/2	36.556	1/2	26.054	1/2	15.732	1/2	5.226		
3/4	57.353	3/4	46.845	3/4	36.337	3/4	25.839	3/4	15.513	3/4	5.007		
5	57.134	5	46.626	5	36.119	5	25.624	5	15.294	5	4.789		
1/4	56.915	1/4	46.407	1/4	35.900	1/4	25.410	1/4	15.075	1/4	4.571		
1/2	56.696	1/2	46.188	1/2	35.681	1/2	25.197	1/2	14.856	1/2	4.353		
3/4	56.477	3/4	45.969	3/4	35.462	3/4	24.984	3/4	14.637	3/4	4.135		
6	56.258	6	45.751	6	35.243	6	24.771	6	14.419	6	3.918		
1/4	56.039	1/4	45.532	1/4	35.024	1/4	24.558	1/4	14.200	1/4	3.700		
1/2	55.820	1/2	45.313	1/2	34.805	1/2	24.345	1/2	13.981	1/2	3.484		
3/4	55.602	3/4	45.094	3/4	34.586	3/4	24.132	3/4	13.762	3/4	3.267		
7	55.383	7	44.875	7	34.367	7	23.919	7	13.543	7	3.050		
1/4	55.164	1/4	44.656	1/4	34.148	1/4	23.706	1/4	13.324	1/4	2.835		
1/2	54.945	1/2	44.437	1/2	33.929	1/2	23.493	1/2	13.105	1/2	2.620		
3/4	54.726	3/4	44.218	3/4	33.711	3/4	23.280	3/4	12.886	3/4	2.405		
8	54.507	8	43.999	8	33.492	8	23.068	8	12.667	8	2.190		
1/4	54.288	1/4	43.780	1/4	33.273	1/4	22.855	1/4	12.448	1/4	1.982		
1/2	54.069	1/2	43.561	1/2	33.054	1/2	22.642	1/2	12.229	1/2	1.782		
3/4	53.850	3/4	43.343	3/4	32.835	3/4	22.429	3/4	12.010	3/4	1.583		
9	53.631	9	43.124	9	32.616	9	22.216	9	11.792	9	1.383		
1/4	53.412	1/4	42.905	1/4	32.397	1/4	22.003	1/4	11.573	1/4	1.204		
1/2	53.194	1/2	42.686	1/2	32.178	1/2	21.790	1/2	11.354	1/2	1.047		
3/4	52.975	3/4	42.467	3/4	31.959	3/4	21.577	3/4	11.135	3/4	890		
10	52.756	10	42.248	10	31.740	10	21.364	10	10.916	10	733		
1/4	52.537	1/4	42.029	1/4	31.521	1/4	21.151	1/4	10.697	1/4	603		
1/2	52.318	1/2	41.810	1/2	31.303	1/2	20.938	1/2	10.478	1/2	500		
3/4	52.099	3/4	41.591	3/4	31.084	3/4	20.725	3/4	10.259	3/4	398		
11	51.880	11	41.372	11	30.865	11	20.512	11	10.040	11	295		
1/4	51.661	1/4	41.153	1/4	30.646	1/4	20.299	1/4	9.821	1/4	220		
1/2	51.442	1/2	40.935	1/2	30.427	1/2	20.086	1/2	9.602	1/2	172		
3/4	51.223	3/4	40.716	3/4	30.208	3/4	19.873	3/4	9.384	3/4	124		

GAUGE LOCATED 26'-11" FROM AFT BULKHEAD AND
 1'-0" FROM CENTERLINE BULKHEAD.

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 STRAPPED BY: CJ & LF 12/08/99
SAYBOLT INC.

MMC GAUGE HEIGHT 16'-0 3/8"

COMPUTED IN U. S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.
0	64,605	0	53,637	0	42,670	0	31,702	0	20,760	0	9,794	0	129
1/4	64,377	1/4	53,409	1/4	42,441	1/4	31,474	1/4	20,532	1/4	9,566	1/4	79
1/2	64,148	1/2	53,181	1/2	42,213	1/2	31,245	1/2	20,304	1/2	9,337	3/8	54
3/4	63,920	3/4	52,952	3/4	41,985	3/4	31,017	3/4	20,076	3/4	9,109		
1	63,691	1	52,724	1	41,756	1	30,788	1	19,848	1	8,880		
1/4	63,463	1/4	52,495	1/4	41,528	1/4	30,560	1/4	19,619	1/4	8,652		
1/2	63,234	1/2	52,267	1/2	41,299	1/2	30,332	1/2	19,391	1/2	8,423		
3/4	63,006	3/4	52,038	3/4	41,071	3/4	30,103	3/4	19,162	3/4	8,195		
2	62,777	2	51,810	2	40,842	2	29,875	2	18,934	2	7,966		
1/4	62,549	1/4	51,581	1/4	40,614	1/4	29,646	1/4	18,705	1/4	7,738		
1/2	62,320	1/2	51,353	1/2	40,385	1/2	29,418	1/2	18,477	1/2	7,509		
3/4	62,092	3/4	51,124	3/4	40,157	3/4	29,189	3/4	18,248	3/4	7,281		
3	61,863	3	50,896	3	39,928	3	28,961	3	18,020	3	7,052		
1/4	61,635	1/4	50,667	1/4	39,700	1/4	28,732	1/4	17,791	1/4	6,824		
1/2	61,406	1/2	50,439	1/2	39,471	1/2	28,504	1/2	17,563	1/2	6,595		
3/4	61,178	3/4	50,210	3/4	39,243	3/4	28,275	3/4	17,334	3/4	6,367		
4	60,949	4	49,982	4	39,014	4	28,047	4	17,106	4	6,139		
1/4	60,721	1/4	49,753	1/4	38,786	1/4	27,818	1/4	16,877	1/4	5,910		
1/2	60,492	1/2	49,525	1/2	38,557	1/2	27,590	1/2	16,649	1/2	5,682		
3/4	60,264	3/4	49,296	3/4	38,329	3/4	27,362	3/4	16,420	3/4	5,454		
5	60,035	5	49,068	5	38,100	5	27,134	5	16,192	5	5,226		
1/4	59,807	1/4	48,839	1/4	37,872	1/4	26,906	1/4	15,963	1/4	4,998		
1/2	59,578	1/2	48,611	1/2	37,643	1/2	26,678	1/2	15,735	1/2	4,771		
3/4	59,350	3/4	48,382	3/4	37,415	3/4	26,451	3/4	15,506	3/4	4,543		
6	59,121	6	48,154	6	37,186	6	26,223	6	15,278	6	4,316		
1/4	58,893	1/4	47,925	1/4	36,958	1/4	26,000	1/4	15,049	1/4	4,089		
1/2	58,664	1/2	47,697	1/2	36,729	1/2	25,768	1/2	14,821	1/2	3,862		
3/4	58,436	3/4	47,468	3/4	36,501	3/4	25,540	3/4	14,592	3/4	3,636		
7	58,207	7	47,240	7	36,272	7	25,312	7	14,364	7	3,410		
1/4	57,979	1/4	47,011	1/4	36,044	1/4	25,085	1/4	14,135	1/4	3,184		
1/2	57,750	1/2	46,783	1/2	35,815	1/2	24,857	1/2	13,907	1/2	2,958		
3/4	57,522	3/4	46,554	3/4	35,587	3/4	24,629	3/4	13,678	3/4	2,734		
8	57,293	8	46,326	8	35,358	8	24,402	8	13,450	8	2,509		
1/4	57,065	1/4	46,097	1/4	35,130	1/4	24,174	1/4	13,222	1/4	2,285		
1/2	56,836	1/2	45,869	1/2	34,901	1/2	23,946	1/2	12,993	1/2	2,069		
3/4	56,608	3/4	45,640	3/4	34,673	3/4	23,719	3/4	12,765	3/4	1,860		
9	56,379	9	45,412	9	34,444	9	23,491	9	12,536	9	1,652		
1/4	56,151	1/4	45,183	1/4	34,216	1/4	23,264	1/4	12,308	1/4	1,443		
1/2	55,922	1/2	44,955	1/2	33,987	1/2	23,036	1/2	12,079	1/2	1,257		
3/4	55,694	3/4	44,726	3/4	33,759	3/4	22,808	3/4	11,851	3/4	1,093		
10	55,465	10	44,498	10	33,530	10	22,581	10	11,622	10	929		
1/4	55,237	1/4	44,269	1/4	33,302	1/4	22,353	1/4	11,394	1/4	764		
1/2	55,008	1/2	44,041	1/2	33,073	1/2	22,125	1/2	11,165	1/2	629		
3/4	54,780	3/4	43,812	3/4	32,845	3/4	21,898	3/4	10,937	3/4	522		
11	54,551	11	43,584	11	32,616	11	21,670	11	10,708	11	415		
1/4	54,323	1/4	43,355	1/4	32,388	1/4	21,442	1/4	10,480	1/4	307		
1/2	54,094	1/2	43,127	1/2	32,159	1/2	21,215	1/2	10,251	1/2	229		
3/4	53,866	3/4	42,898	3/4	31,931	3/4	20,987	3/4	10,023	3/4	179		

GAUGE LOCATED 30'-1" FROM AFT BULKHEAD AND 1'-6" FROM CENTERLINE BULKHEAD.

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