

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

BARGE CBC 114

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 0/0"	+0 0/0"	-0 1/8"	+0 1/8"	-0 1/8"	+0 1/8"	-0 1/8"	+0 1/8"	-0 1/4"	+0 1/4"	-0 1/4"	+0 1/4"
TANK 2	-0 0/0"	+0 0/0"	-0 0/0"	+0 0/0"	-0 1/8"	+0 1/8"	-0 1/8"	+0 1/8"	-0 1/8"	+0 1/8"	-0 1/8"	+0 1/8"
TANK 3	+0 1/8"	-0 1/8"	+0 1/4"	-0 1/4"	+0 3/8"	-0 3/8"	+0 3/8"	-0 3/8"	+0 1/2"	-0 1/2"	+0 5/8"	-0 5/8"

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

LENGTH BETWEEN DRAFT MARKS 166.00'

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

January 27, 2000  
 SAYBOLT INC.

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

**MMC GAUGE HEIGHT 16'-0 3/4"**

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	144,452	0	134,501	0	124,111	0	113,673	0	103,234	0	92,795	0	82,354	0	71,909
1/4		1/4		1/4	144,303	1/4	134,285	1/4	123,894	1/4	113,455	1/4	103,017	1/4	92,578	1/4	82,137	1/4	71,692
1/2		1/2		1/2	144,153	1/2	134,069	1/2	123,676	1/2	113,238	1/2	102,799	1/2	92,361	1/2	81,919	1/2	71,474
3/4		3/4		3/4	144,004	3/4	133,852	3/4	123,459	3/4	113,020	3/4	102,582	3/4	92,143	3/4	81,701	3/4	71,256
1		1		1	143,818	1	133,636	1	123,241	1	112,803	1	102,364	1	91,926	1	81,484	1	71,039
1/4		1/4		1/4	143,633	1/4	133,420	1/4	123,024	1/4	112,585	1/4	102,147	1/4	91,708	1/4	81,266	1/4	70,821
1/2		1/2		1/2	143,447	1/2	133,203	1/2	122,806	1/2	112,368	1/2	101,929	1/2	91,491	1/2	81,049	1/2	70,604
3/4		3/4		3/4	143,262	3/4	132,987	3/4	122,589	3/4	112,150	3/4	101,712	3/4	91,273	3/4	80,831	3/4	70,386
2		2		2	143,052	2	132,771	2	122,371	2	111,933	2	101,494	2	91,056	2	80,613	2	70,168
1/4		1/4		1/4	142,843	1/4	132,555	1/4	122,154	1/4	111,715	1/4	101,277	1/4	90,838	1/4	80,396	1/4	69,951
1/2		1/2		1/2	142,633	1/2	132,338	1/2	121,936	1/2	111,498	1/2	101,059	1/2	90,621	1/2	80,178	1/2	69,733
3/4		3/4		3/4	142,424	3/4	132,122	3/4	121,719	3/4	111,280	3/4	100,842	3/4	90,403	3/4	79,961	3/4	69,516
3		3		3	142,207	3	131,906	3	121,502	3	111,063	3	100,624	3	90,186	3	79,743	3	69,298
1/4		1/4		1/4	141,991	1/4	131,690	1/4	121,284	1/4	110,845	1/4	100,407	1/4	89,968	1/4	79,525	1/4	69,080
1/2		1/2		1/2	141,774	1/2	131,473	1/2	121,067	1/2	110,628	1/2	100,189	1/2	89,751	1/2	79,308	1/2	68,863
3/4		3/4		3/4	141,558	3/4	131,257	3/4	120,849	3/4	110,411	3/4	99,972	3/4	89,533	3/4	79,090	3/4	68,645
4		4		4	141,340	4	131,041	4	120,632	4	110,193	4	99,755	4	89,316	4	78,873	4	68,428
1/4		1/4		1/4	141,123	1/4	130,825	1/4	120,414	1/4	109,976	1/4	99,537	1/4	89,098	1/4	78,655	1/4	68,210
1/2		1/2		1/2	140,906	1/2	130,608	1/2	120,197	1/2	109,758	1/2	99,320	1/2	88,881	1/2	78,437	1/2	67,992
3/4		3/4		3/4	140,689	3/4	130,392	3/4	119,979	3/4	109,541	3/4	99,102	3/4	88,664	3/4	78,220	3/4	67,775
5		5		5	140,475	5	130,176	5	119,762	5	109,323	5	98,885	5	88,446	5	78,002	5	67,557
1/4		1/4		1/4	140,261	1/4	129,959	1/4	119,544	1/4	109,106	1/4	98,667	1/4	88,229	1/4	77,785	1/4	67,340
1/2		1/2		1/2	140,048	1/2	129,743	1/2	119,327	1/2	108,888	1/2	98,450	1/2	88,011	1/2	77,567	1/2	67,122
3/4		3/4		3/4	139,834	3/4	129,527	3/4	119,109	3/4	108,671	3/4	98,232	3/4	87,794	3/4	77,349	3/4	66,904
6		6		6	139,622	6	129,311	6	118,892	6	108,453	6	98,015	6	87,576	6	77,132	6	66,687
1/4		1/4		1/4	139,410	1/4	129,094	1/4	118,674	1/4	108,236	1/4	97,797	1/4	87,359	1/4	76,914	1/4	66,469
1/2		1/2		1/2	139,198	1/2	128,878	1/2	118,457	1/2	108,018	1/2	97,580	1/2	87,141	1/2	76,697	1/2	66,252
3/4		3/4		3/4	138,986	3/4	128,662	3/4	118,239	3/4	107,801	3/4	97,362	3/4	86,924	3/4	76,479	3/4	66,034
7		7		7	138,774	7	128,446	7	118,022	7	107,583	7	97,145	7	86,706	7	76,261	7	65,816
1/4		1/4		1/4	138,562	1/4	128,229	1/4	117,805	1/4	107,366	1/4	96,927	1/4	86,489	1/4	76,044	1/4	65,599
1/2		1/2		1/2	138,349	1/2	128,013	1/2	117,587	1/2	107,148	1/2	96,710	1/2	86,271	1/2	75,826	1/2	65,381
3/4		3/4		3/4	138,137	3/4	127,797	3/4	117,370	3/4	106,931	3/4	96,492	3/4	86,053	3/4	75,608	3/4	65,163
8		8		8	137,925	8	127,580	8	117,152	8	106,714	8	96,275	8	85,836	8	75,391	8	64,946
1/4		1/4		1/4	137,713	1/4	127,364	1/4	116,935	1/4	106,496	1/4	96,058	1/4	85,618	1/4	75,173	1/4	64,728
1/2		1/2		1/2	137,501	1/2	127,148	1/2	116,717	1/2	106,279	1/2	95,840	1/2	85,401	1/2	74,956	1/2	64,510
3/4		3/4	145,524	3/4	137,289	3/4	126,932	3/4	116,500	3/4	106,061	3/4	95,623	3/4	85,183	3/4	74,738	3/4	64,293
9		9	145,484	9	137,077	9	126,715	9	116,282	9	105,844	9	95,405	9	84,965	9	74,520	9	64,075
1/4		1/4	145,443	1/4	136,865	1/4	126,499	1/4	116,065	1/4	105,626	1/4	95,188	1/4	84,748	1/4	74,303	1/4	63,857
1/2		1/2	145,402	1/2	136,653	1/2	126,283	1/2	115,847	1/2	105,409	1/2	94,970	1/2	84,530	1/2	74,085	1/2	63,640
3/4		3/4	145,362	3/4	136,441	3/4	126,067	3/4	115,630	3/4	105,191	3/4	94,753	3/4	84,313	3/4	73,868	3/4	63,422
10		10	145,285	10	136,227	10	125,850	10	115,412	10	104,974	10	94,535	10	84,095	10	73,650	10	63,204
1/4		1/4	145,208	1/4	136,012	1/4	125,633	1/4	115,195	1/4	104,756	1/4	94,318	1/4	83,877	1/4	73,432	1/4	62,987
1/2		1/2	145,131	1/2	135,797	1/2	125,416	1/2	114,977	1/2	104,539	1/2	94,100	1/2	83,660	1/2	73,215	1/2	62,769
3/4		3/4	145,054	3/4	135,582	3/4	125,199	3/4	114,760	3/4	104,321	3/4	93,883	3/4	83,442	3/4	72,997	3/4	62,551
11		11	144,941	11	135,366	11	124,981	11	114,542	11	104,104	11	93,665	11	83,225	11	72,780	11	62,334
1/4		1/4	144,828	1/4	135,150	1/4	124,764	1/4	114,325	1/4	103,886	1/4	93,448	1/4	83,007	1/4	72,562	1/4	62,116
1/2		1/2	144,715	1/2	134,934	1/2	124,546	1/2	114,108	1/2	103,669	1/2	93,230	1/2	82,789	1/2	72,344	1/2	61,898
3/4		3/4	144,602	3/4	134,717	3/4	124,329	3/4	113,890	3/4	103,452	3/4	93,013	3/4	82,572	3/4	72,127	3/4	61,681

GAUGE LOCATED 26'-4" 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 01/00

CHART IS CERTIFIED FOR THIS TANK ONLY.  
COMPUTED BY: JW 01/19/00  
STRAPPED BY: CJ & KR 01/14/00

SAYBOLT INC.

**SAYBOLT INC.**

U. S. Headquarters  
400 Swenson Drive  
Kenilworth, NJ 07033

**BARGE CBC 14**

**TANK N 1**

ULLAGE TABLE  
MMC GAUGING

**MMC GAUGE HEIGHT 16'-0 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.	IN	16 FT.
0	61,463	0	51,015	0	40,568	0	30,120	0	20,029	0	9,657	0	195
1/4	61,245	1/4	50,798	1/4	40,350	1/4	29,902	1/4	19,817	1/4	9,439	1/4	147
1/2	61,028	1/2	50,580	1/2	40,132	1/2	29,685	1/2	19,605	1/2	9,221	1/2	99
3/4	60,810	3/4	50,362	3/4	39,915	3/4	29,467	3/4	19,394	3/4	9,004	3/4	52
1	60,592	1	50,145	1	39,697	1	29,253	1	19,182	1	8,786		
1/4	60,375	1/4	49,927	1/4	39,479	1/4	29,039	1/4	18,971	1/4	8,568		
1/2	60,157	1/2	49,709	1/2	39,262	1/2	28,825	1/2	18,759	1/2	8,351		
3/4	59,939	3/4	49,492	3/4	39,044	3/4	28,611	3/4	18,547	3/4	8,133		
2	59,722	2	49,274	2	38,826	2	28,400	2	18,336	2	7,915		
1/4	59,504	1/4	49,056	1/4	38,609	1/4	28,188	1/4	18,124	1/4	7,698		
1/2	59,286	1/2	48,839	1/2	38,391	1/2	27,976	1/2	17,913	1/2	7,480		
3/4	59,069	3/4	48,621	3/4	38,173	3/4	27,764	3/4	17,701	3/4	7,262		
3	58,851	3	48,403	3	37,956	3	27,553	3	17,486	3	7,045		
1/4	58,633	1/4	48,186	1/4	37,738	1/4	27,341	1/4	17,270	1/4	6,827		
1/2	58,416	1/2	47,968	1/2	37,520	1/2	27,129	1/2	17,055	1/2	6,609		
3/4	58,198	3/4	47,750	3/4	37,303	3/4	26,917	3/4	16,839	3/4	6,392		
4	57,981	4	47,533	4	37,085	4	26,706	4	16,622	4	6,174		
1/4	57,763	1/4	47,315	1/4	36,867	1/4	26,494	1/4	16,404	1/4	5,957		
1/2	57,545	1/2	47,098	1/2	36,650	1/2	26,282	1/2	16,186	1/2	5,739		
3/4	57,328	3/4	46,880	3/4	36,432	3/4	26,071	3/4	15,969	3/4	5,522		
5	57,110	5	46,662	5	36,215	5	25,863	5	15,751	5	5,305		
1/4	56,892	1/4	46,445	1/4	35,997	1/4	25,655	1/4	15,533	1/4	5,087		
1/2	56,675	1/2	46,227	1/2	35,779	1/2	25,447	1/2	15,316	1/2	4,870		
3/4	56,457	3/4	46,009	3/4	35,562	3/4	25,239	3/4	15,098	3/4	4,653		
6	56,239	6	45,792	6	35,344	6	25,033	6	14,880	6	4,437		
1/4	56,022	1/4	45,574	1/4	35,126	1/4	24,827	1/4	14,663	1/4	4,220		
1/2	55,804	1/2	45,356	1/2	34,909	1/2	24,622	1/2	14,445	1/2	4,004		
3/4	55,586	3/4	45,139	3/4	34,691	3/4	24,416	3/4	14,227	3/4	3,787		
7	55,369	7	44,921	7	34,473	7	24,210	7	14,010	7	3,572		
1/4	55,151	1/4	44,703	1/4	34,256	1/4	24,005	1/4	13,792	1/4	3,356		
1/2	54,933	1/2	44,486	1/2	34,038	1/2	23,799	1/2	13,574	1/2	3,141		
3/4	54,716	3/4	44,268	3/4	33,820	3/4	23,593	3/4	13,357	3/4	2,925		
8	54,498	8	44,050	8	33,603	8	23,388	8	13,139	8	2,712		
1/4	54,280	1/4	43,833	1/4	33,385	1/4	23,182	1/4	12,921	1/4	2,498		
1/2	54,063	1/2	43,615	1/2	33,167	1/2	22,976	1/2	12,704	1/2	2,284		
3/4	53,845	3/4	43,397	3/4	32,950	3/4	22,771	3/4	12,486	3/4	2,070		
9	53,627	9	43,180	9	32,732	9	22,561	9	12,269	9	1,872		
1/4	53,410	1/4	42,962	1/4	32,514	1/4	22,352	1/4	12,051	1/4	1,673		
1/2	53,192	1/2	42,744	1/2	32,297	1/2	22,143	1/2	11,833	1/2	1,474		
3/4	52,974	3/4	42,527	3/4	32,079	3/4	21,933	3/4	11,616	3/4	1,276		
10	52,757	10	42,309	10	31,861	10	21,722	10	11,398	10	1,120		
1/4	52,539	1/4	42,091	1/4	31,644	1/4	21,510	1/4	11,180	1/4	963		
1/2	52,321	1/2	41,874	1/2	31,426	1/2	21,298	1/2	10,963	1/2	807		
3/4	52,104	3/4	41,656	3/4	31,208	3/4	21,087	3/4	10,745	3/4	651		
11	51,886	11	41,438	11	30,991	11	20,875	11	10,527	11	549		
1/4	51,668	1/4	41,221	1/4	30,773	1/4	20,664	1/4	10,310	1/4	446		
1/2	51,451	1/2	41,003	1/2	30,555	1/2	20,452	1/2	10,092	1/2	344		
3/4	51,233	3/4	40,785	3/4	30,338	3/4	20,240	3/4	9,874	3/4	242		

GAUGE LOCATED 26'-4" FROM AFT BULKHEAD AND 1'-0" FROM CENTERLINE BULKHEAD.

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COMPUTED BY: JW 01/19/00  
STRAPPED BY: CJ & KR 01/14/00

SAYBOLT INC.

**MMC GAUGE HEIGHT 16'-0 3/8"**

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	145,259	0	135,147	0	124,692	0	114,192	0	103,691	0	93,191	0	82,690	0	72,190
1/4		1/4		1/4	145,109	1/4	134,930	1/4	124,473	1/4	113,973	1/4	103,472	1/4	92,972	1/4	82,472	1/4	71,971
1/2		1/2		1/2	144,941	1/2	134,712	1/2	124,255	1/2	113,754	1/2	103,254	1/2	92,753	1/2	82,253	1/2	71,752
3/4		3/4		3/4	144,754	3/4	134,495	3/4	124,036	3/4	113,535	3/4	103,035	3/4	92,534	3/4	82,034	3/4	71,534
1		1		1	144,567	1	134,277	1	123,817	1	113,317	1	102,816	1	92,316	1	81,815	1	71,315
1/4		1/4		1/4	144,380	1/4	134,059	1/4	123,598	1/4	113,098	1/4	102,597	1/4	92,097	1/4	81,596	1/4	71,096
1/2		1/2		1/2	144,181	1/2	133,842	1/2	123,380	1/2	112,879	1/2	102,379	1/2	91,878	1/2	81,378	1/2	70,877
3/4		3/4		3/4	143,971	3/4	133,624	3/4	123,161	3/4	112,660	3/4	102,160	3/4	91,659	3/4	81,159	3/4	70,658
2		2		2	143,760	2	133,407	2	122,942	2	112,442	2	101,941	2	91,441	2	80,940	2	70,440
1/4		1/4		1/4	143,549	1/4	133,189	1/4	122,723	1/4	112,223	1/4	101,722	1/4	91,222	1/4	80,721	1/4	70,221
1/2		1/2		1/2	143,335	1/2	132,972	1/2	122,505	1/2	112,004	1/2	101,504	1/2	91,003	1/2	80,503	1/2	70,002
3/4		3/4		3/4	143,117	3/4	132,754	3/4	122,286	3/4	111,785	3/4	101,285	3/4	90,784	3/4	80,284	3/4	69,783
3		3		3	142,899	3	132,537	3	122,067	3	111,567	3	101,066	3	90,566	3	80,065	3	69,565
1/4		1/4		1/4	142,682	1/4	132,319	1/4	121,848	1/4	111,348	1/4	100,847	1/4	90,347	1/4	79,846	1/4	69,346
1/2		1/2		1/2	142,463	1/2	132,101	1/2	121,630	1/2	111,129	1/2	100,629	1/2	90,128	1/2	79,628	1/2	69,127
3/4		3/4		3/4	142,245	3/4	131,884	3/4	121,411	3/4	110,910	3/4	100,410	3/4	89,909	3/4	79,409	3/4	68,908
4		4		4	142,027	4	131,666	4	121,192	4	110,692	4	100,191	4	89,691	4	79,190	4	68,690
1/4		1/4		1/4	141,809	1/4	131,449	1/4	120,973	1/4	110,473	1/4	99,972	1/4	89,472	1/4	78,971	1/4	68,471
1/2		1/2		1/2	141,592	1/2	131,231	1/2	120,755	1/2	110,254	1/2	99,754	1/2	89,253	1/2	78,753	1/2	68,252
3/4		3/4		3/4	141,377	3/4	131,014	3/4	120,536	3/4	110,035	3/4	99,535	3/4	89,034	3/4	78,534	3/4	68,033
5		5		5	141,161	5	130,796	5	120,317	5	109,817	5	99,316	5	88,816	5	78,315	5	67,815
1/4		1/4		1/4	140,946	1/4	130,578	1/4	120,098	1/4	109,598	1/4	99,097	1/4	88,597	1/4	78,096	1/4	67,596
1/2		1/2		1/2	140,732	1/2	130,361	1/2	119,879	1/2	109,379	1/2	98,879	1/2	88,378	1/2	77,878	1/2	67,377
3/4		3/4		3/4	140,519	3/4	130,143	3/4	119,661	3/4	109,160	3/4	98,660	3/4	88,159	3/4	77,659	3/4	67,158
6		6		6	140,305	6	129,926	6	119,442	6	108,941	6	98,441	6	87,941	6	77,440	6	66,940
1/4		1/4		1/4	140,092	1/4	129,708	1/4	119,223	1/4	108,723	1/4	98,222	1/4	87,722	1/4	77,221	1/4	66,721
1/2		1/2		1/2	139,879	1/2	129,491	1/2	119,004	1/2	108,504	1/2	98,003	1/2	87,503	1/2	77,003	1/2	66,502
3/4		3/4		3/4	139,665	3/4	129,273	3/4	118,786	3/4	108,285	3/4	97,785	3/4	87,284	3/4	76,784	3/4	66,283
7		7		7	139,452	7	129,056	7	118,567	7	108,066	7	97,566	7	87,065	7	76,565	7	66,065
1/4		1/4		1/4	139,239	1/4	128,838	1/4	118,348	1/4	107,848	1/4	97,347	1/4	86,847	1/4	76,346	1/4	65,846
1/2		1/2		1/2	139,025	1/2	128,620	1/2	118,129	1/2	107,629	1/2	97,128	1/2	86,628	1/2	76,127	1/2	65,627
3/4		3/4		3/4	138,812	3/4	128,403	3/4	117,911	3/4	107,410	3/4	96,910	3/4	86,409	3/4	75,909	3/4	65,408
8		8		8	138,599	8	128,185	8	117,692	8	107,191	8	96,691	8	86,190	8	75,690	8	65,189
1/4		3/8	146,565	1/4	138,385	1/4	127,968	1/4	117,473	1/4	106,973	1/4	96,472	1/4	85,972	1/4	75,471	1/4	64,971
1/2		1/2	146,544	1/2	138,172	1/2	127,750	1/2	117,254	1/2	106,754	1/2	96,253	1/2	85,753	1/2	75,252	1/2	64,752
3/4		3/4	146,503	3/4	137,959	3/4	127,533	3/4	117,036	3/4	106,535	3/4	96,035	3/4	85,534	3/4	75,034	3/4	64,533
9		9	146,462	9	137,745	9	127,315	9	116,817	9	106,316	9	95,816	9	85,315	9	74,815	9	64,314
1/4		1/4	146,421	1/4	137,532	1/4	127,098	1/4	116,598	1/4	106,098	1/4	95,597	1/4	85,097	1/4	74,596	1/4	64,096
1/2		1/2	146,362	1/2	137,318	1/2	126,880	1/2	116,379	1/2	105,879	1/2	95,378	1/2	84,878	1/2	74,377	1/2	63,877
3/4		3/4	146,285	3/4	137,102	3/4	126,661	3/4	116,161	3/4	105,660	3/4	95,160	3/4	84,659	3/4	74,159	3/4	63,658
10		10	146,207	10	136,886	10	126,443	10	115,942	10	105,441	10	94,941	10	84,440	10	73,940	10	63,439
1/4		1/4	146,130	1/4	136,670	1/4	126,225	1/4	115,723	1/4	105,223	1/4	94,722	1/4	84,222	1/4	73,721	1/4	63,221
1/2		1/2	146,034	1/2	136,453	1/2	126,005	1/2	115,504	1/2	105,004	1/2	94,503	1/2	84,003	1/2	73,502	1/2	63,002
3/4		3/4	145,920	3/4	136,235	3/4	125,786	3/4	115,286	3/4	104,785	3/4	94,285	3/4	83,784	3/4	73,284	3/4	62,783
11		11	145,806	11	136,017	11	125,567	11	115,067	11	104,566	11	94,066	11	83,565	11	73,065	11	62,564
1/4		1/4	145,692	1/4	135,800	1/4	125,348	1/4	114,848	1/4	104,348	1/4	93,847	1/4	83,347	1/4	72,846	1/4	62,346
1/2		1/2	145,560	1/2	135,582	1/2	125,130	1/2	114,629	1/2	104,129	1/2	93,628	1/2	83,128	1/2	72,627	1/2	62,127
3/4		3/4	145,410	3/4	135,365	3/4	124,911	3/4	114,410	3/4	103,910	3/4	93,410	3/4	82,909	3/4	72,409	3/4	61,908

GAUGE LOCATED 26'-9" FROM AFT BULKHEAD AND 1'-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 01/19/00  
STRAPPED BY: CJ & KR 01/14/00

SAYBOLT INC.

**SAYBOLT INC.**

U. S. Headquarters  
400 Swenson Drive  
Kenilworth, NJ 07033

**BARGE CBC 14**

**TANK N 2**

ULLAGE TABLE  
MMC GAUGING

**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	61,689	0	51,189	0	40,688	0	30,188	0	19,860	0	9,377	0	124
1/4	61,471	1/4	50,970	1/4	40,470	1/4	29,969	1/4	19,647	1/4	9,159	1/4	76
1/2	61,252	1/2	50,751	1/2	40,251	1/2	29,750	1/2	19,433	1/2	8,940	3/8	52
3/4	61,033	3/4	50,533	3/4	40,032	3/4	29,532	3/4	19,216	3/4	8,721		
1	60,814	1	50,314	1	39,813	1	29,313	1	19,000	1	8,502		
1/4	60,596	1/4	50,095	1/4	39,595	1/4	29,094	1/4	18,783	1/4	8,284		
1/2	60,377	1/2	49,876	1/2	39,376	1/2	28,875	1/2	18,565	1/2	8,065		
3/4	60,158	3/4	49,658	3/4	39,157	3/4	28,657	3/4	18,346	3/4	7,846		
2	59,939	2	49,439	2	38,938	2	28,438	2	18,128	2	7,627		
1/4	59,720	1/4	49,220	1/4	38,720	1/4	28,219	1/4	17,909	1/4	7,408		
1/2	59,502	1/2	49,001	1/2	38,501	1/2	28,000	1/2	17,690	1/2	7,190		
3/4	59,283	3/4	48,782	3/4	38,282	3/4	27,782	3/4	17,471	3/4	6,971		
3	59,064	3	48,564	3	38,063	3	27,563	3	17,253	3	6,752		
1/4	58,845	1/4	48,345	1/4	37,844	1/4	27,344	1/4	17,034	1/4	6,533		
1/2	58,627	1/2	48,126	1/2	37,626	1/2	27,125	1/2	16,815	1/2	6,315		
3/4	58,408	3/4	47,907	3/4	37,407	3/4	26,906	3/4	16,596	3/4	6,096		
4	58,189	4	47,689	4	37,188	4	26,688	4	16,378	4	5,878		
1/4	57,970	1/4	47,470	1/4	36,969	1/4	26,469	1/4	16,159	1/4	5,659		
1/2	57,752	1/2	47,251	1/2	36,751	1/2	26,252	1/2	15,940	1/2	5,441		
3/4	57,533	3/4	47,032	3/4	36,532	3/4	26,037	3/4	15,721	3/4	5,222		
5	57,314	5	46,814	5	36,313	5	25,822	5	15,503	5	5,004		
1/4	57,095	1/4	46,595	1/4	36,094	1/4	25,607	1/4	15,284	1/4	4,786		
1/2	56,877	1/2	46,376	1/2	35,876	1/2	25,393	1/2	15,065	1/2	4,568		
3/4	56,658	3/4	46,157	3/4	35,657	3/4	25,180	3/4	14,846	3/4	4,350		
6	56,439	6	45,939	6	35,438	6	24,968	6	14,628	6	4,133		
1/4	56,220	1/4	45,720	1/4	35,219	1/4	24,755	1/4	14,409	1/4	3,915		
1/2	56,002	1/2	45,501	1/2	35,001	1/2	24,542	1/2	14,190	1/2	3,698		
3/4	55,783	3/4	45,282	3/4	34,782	3/4	24,329	3/4	13,971	3/4	3,481		
7	55,564	7	45,064	7	34,563	7	24,116	7	13,753	7	3,265		
1/4	55,345	1/4	44,845	1/4	34,344	1/4	23,904	1/4	13,534	1/4	3,048		
1/2	55,127	1/2	44,626	1/2	34,126	1/2	23,691	1/2	13,315	1/2	2,833		
3/4	54,908	3/4	44,407	3/4	33,907	3/4	23,478	3/4	13,096	3/4	2,618		
8	54,689	8	44,189	8	33,688	8	23,265	8	12,877	8	2,403		
1/4	54,470	1/4	43,970	1/4	33,469	1/4	23,052	1/4	12,659	1/4	2,188		
1/2	54,251	1/2	43,751	1/2	33,251	1/2	22,839	1/2	12,440	1/2	1,981		
3/4	54,033	3/4	43,532	3/4	33,032	3/4	22,627	3/4	12,221	3/4	1,781		
9	53,814	9	43,313	9	32,813	9	22,414	9	12,002	9	1,582		
1/4	53,595	1/4	43,095	1/4	32,594	1/4	22,201	1/4	11,784	1/4	1,382		
1/2	53,376	1/2	42,876	1/2	32,375	1/2	21,988	1/2	11,565	1/2	1,204		
3/4	53,158	3/4	42,657	3/4	32,157	3/4	21,775	3/4	11,346	3/4	1,047		
10	52,939	10	42,438	10	31,938	10	21,563	10	11,127	10	889		
1/4	52,720	1/4	42,220	1/4	31,719	1/4	21,350	1/4	10,909	1/4	732		
1/2	52,501	1/2	42,001	1/2	31,500	1/2	21,137	1/2	10,690	1/2	603		
3/4	52,283	3/4	41,782	3/4	31,282	3/4	20,924	3/4	10,471	3/4	500		
11	52,064	11	41,563	11	31,063	11	20,711	11	10,252	11	397		
1/4	51,845	1/4	41,345	1/4	30,844	1/4	20,499	1/4	10,034	1/4	295		
1/2	51,626	1/2	41,126	1/2	30,625	1/2	20,286	1/2	9,815	1/2	220		
3/4	51,408	3/4	40,907	3/4	30,407	3/4	20,073	3/4	9,596	3/4	172		

GAUGE LOCATED 26'-9" FROM AFT BULKHEAD AND 1'-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 01/19/00  
STRAPPED BY: CJ & KR 01/14/00

SAYBOLT INC.

**MMC GAUGE HEIGHT 16'-1"**

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	152,228	0	141,839	0	130,924	0	119,961	0	108,998	0	98,036	0	87,073	0	76,110
1/4		1/4		1/4	152,071	1/4	141,612	1/4	130,695	1/4	119,733	1/4	108,770	1/4	97,807	1/4	86,845	1/4	75,882
1/2		1/2		1/2	151,914	1/2	141,385	1/2	130,467	1/2	119,504	1/2	108,542	1/2	97,579	1/2	86,616	1/2	75,653
3/4		3/4		3/4	151,757	3/4	141,157	3/4	130,239	3/4	119,276	3/4	108,313	3/4	97,350	3/4	86,388	3/4	75,425
1		1		1	151,600	1	140,930	1	130,010	1	119,048	1	108,085	1	97,122	1	86,159	1	75,197
1/4		1/4		1/4	151,405	1/4	140,703	1/4	129,782	1/4	118,819	1/4	107,856	1/4	96,894	1/4	85,931	1/4	74,968
1/2		1/2		1/2	151,210	1/2	140,476	1/2	129,553	1/2	118,591	1/2	107,628	1/2	96,665	1/2	85,703	1/2	74,740
3/4		3/4		3/4	151,015	3/4	140,249	3/4	129,325	3/4	118,362	3/4	107,400	3/4	96,437	3/4	85,474	3/4	74,511
2		2		2	150,820	2	140,021	2	129,097	2	118,134	2	107,171	2	96,209	2	85,246	2	74,283
1/4		1/4		1/4	150,600	1/4	139,794	1/4	128,868	1/4	117,906	1/4	106,943	1/4	95,980	1/4	85,017	1/4	74,055
1/2		1/2		1/2	150,380	1/2	139,567	1/2	128,640	1/2	117,677	1/2	106,714	1/2	95,752	1/2	84,789	1/2	73,826
3/4		3/4		3/4	150,160	3/4	139,340	3/4	128,412	3/4	117,449	3/4	106,486	3/4	95,523	3/4	84,561	3/4	73,598
3		3		3	149,940	3	139,113	3	128,183	3	117,220	3	106,258	3	95,295	3	84,332	3	73,370
1/4		1/4		1/4	149,712	1/4	138,885	1/4	127,955	1/4	116,992	1/4	106,029	1/4	95,067	1/4	84,104	1/4	73,141
1/2		1/2		1/2	149,485	1/2	138,658	1/2	127,726	1/2	116,764	1/2	105,801	1/2	94,838	1/2	83,875	1/2	72,913
3/4		3/4		3/4	149,258	3/4	138,431	3/4	127,498	3/4	116,535	3/4	105,573	3/4	94,610	3/4	83,647	3/4	72,684
4		4		4	149,030	4	138,204	4	127,270	4	116,307	4	105,344	4	94,381	4	83,419	4	72,456
1/4		1/4		1/4	148,802	1/4	137,977	1/4	127,041	1/4	116,078	1/4	105,116	1/4	94,153	1/4	83,190	1/4	72,228
1/2		1/2		1/2	148,574	1/2	137,749	1/2	126,813	1/2	115,850	1/2	104,887	1/2	93,925	1/2	82,962	1/2	71,999
3/4		3/4		3/4	148,346	3/4	137,522	3/4	126,584	3/4	115,622	3/4	104,659	3/4	93,696	3/4	82,734	3/4	71,771
5		5		5	148,117	5	137,295	5	126,356	5	115,393	5	104,431	5	93,468	5	82,505	5	71,542
1/4		1/4		1/4	147,892	1/4	137,068	1/4	126,128	1/4	115,165	1/4	104,202	1/4	93,239	1/4	82,277	1/4	71,314
1/2		1/2		1/2	147,667	1/2	136,841	1/2	125,899	1/2	114,937	1/2	103,974	1/2	93,011	1/2	82,048	1/2	71,086
3/4		3/4		3/4	147,442	3/4	136,614	3/4	125,671	3/4	114,708	3/4	103,745	3/4	92,783	3/4	81,820	3/4	70,857
6		6		6	147,217	6	136,386	6	125,442	6	114,480	6	103,517	6	92,554	6	81,592	6	70,629
1/4		1/4		1/4	146,994	1/4	136,159	1/4	125,214	1/4	114,251	1/4	103,289	1/4	92,326	1/4	81,363	1/4	70,400
1/2		1/2		1/2	146,771	1/2	135,932	1/2	124,986	1/2	114,023	1/2	103,060	1/2	92,098	1/2	81,135	1/2	70,172
3/4		3/4		3/4	146,548	3/4	135,705	3/4	124,757	3/4	113,795	3/4	102,832	3/4	91,869	3/4	80,906	3/4	69,944
7		7		7	146,325	7	135,478	7	124,529	7	113,566	7	102,603	7	91,641	7	80,678	7	69,715
1/4		1/4		1/4	146,102	1/4	135,250	1/4	124,301	1/4	113,338	1/4	102,375	1/4	91,412	1/4	80,450	1/4	69,487
1/2		1/2		1/2	145,880	1/2	135,023	1/2	124,072	1/2	113,109	1/2	102,147	1/2	91,184	1/2	80,221	1/2	69,259
3/4		3/4		3/4	145,657	3/4	134,796	3/4	123,844	3/4	112,881	3/4	101,918	3/4	90,956	3/4	79,993	3/4	69,030
8		8		8	145,434	8	134,569	8	123,615	8	112,653	8	101,690	8	90,727	8	79,764	8	68,802
1/4		1/4		1/4	145,211	1/4	134,342	1/4	123,387	1/4	112,424	1/4	101,462	1/4	90,499	1/4	79,536	1/4	68,573
1/2		1/2		1/2	144,988	1/2	134,114	1/2	123,159	1/2	112,196	1/2	101,233	1/2	90,270	1/2	79,308	1/2	68,345
3/4		3/4		3/4	144,765	3/4	133,887	3/4	122,930	3/4	111,967	3/4	101,005	3/4	90,042	3/4	79,079	3/4	68,117
9		9	153,198	9	144,542	9	133,660	9	122,702	9	111,739	9	100,776	9	89,814	9	78,851	9	67,888
1/4		1/4	153,155	1/4	144,319	1/4	133,433	1/4	122,473	1/4	111,511	1/4	100,548	1/4	89,585	1/4	78,623	1/4	67,660
1/2		1/2	153,113	1/2	144,096	1/2	133,206	1/2	122,245	1/2	111,282	1/2	100,320	1/2	89,357	1/2	78,394	1/2	67,431
3/4		3/4	153,070	3/4	143,873	3/4	132,978	3/4	122,017	3/4	111,054	3/4	100,091	3/4	89,128	3/4	78,166	3/4	67,203
10		10	153,027	10	143,650	10	132,751	10	121,788	10	110,825	10	99,863	10	88,900	10	77,937	10	66,975
1/4		1/4	152,946	1/4	143,425	1/4	132,523	1/4	121,560	1/4	110,597	1/4	99,634	1/4	88,672	1/4	77,709	1/4	66,746
1/2		1/2	152,865	1/2	143,199	1/2	132,294	1/2	121,331	1/2	110,369	1/2	99,406	1/2	88,443	1/2	77,481	1/2	66,518
3/4		3/4	152,785	3/4	142,973	3/4	132,066	3/4	121,103	3/4	110,140	3/4	99,178	3/4	88,215	3/4	77,252	3/4	66,289
11		11	152,704	11	142,748	11	131,837	11	120,875	11	109,912	11	98,949	11	87,986	11	77,024	11	66,061
1/4		1/4	152,585	1/4	142,520	1/4	131,609	1/4	120,646	1/4	109,684	1/4	98,721	1/4	87,758	1/4	76,795	1/4	65,833
1/2		1/2	152,466	1/2	142,293	1/2	131,381	1/2	120,418	1/2	109,455	1/2	98,492	1/2	87,530	1/2	76,567	1/2	65,604
3/4		3/4	152,347	3/4	142,066	3/4	131,152	3/4	120,189	3/4	109,227	3/4	98,264	3/4	87,301	3/4	76,339	3/4	65,376

GAUGE LOCATED 29'-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 01/00

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COMPUTED BY: JW 01/19/00  
STRAPPED BY: CJ & KR 01/14/00

SAYBOLT INC.

**MMC GAUGE HEIGHT 16'-1"**

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	65,147	0	54,185	0	43,222	0	32,259	0	21,319	0	10,361	0	254
1/4	64,919	1/4	53,956	1/4	42,994	1/4	32,031	1/4	21,092	1/4	10,132	1/4	204
1/2	64,691	1/2	53,728	1/2	42,765	1/2	31,803	1/2	20,864	1/2	9,904	1/2	154
3/4	64,462	3/4	53,500	3/4	42,537	3/4	31,574	3/4	20,637	3/4	9,676	3/4	104
1	64,234	1	53,271	1	42,308	1	31,346	1	20,409	1	9,447	1	54
1/4	64,006	1/4	53,043	1/4	42,080	1/4	31,117	1/4	20,181	1/4	9,219		
1/2	63,777	1/2	52,814	1/2	41,852	1/2	30,889	1/2	19,953	1/2	8,990		
3/4	63,549	3/4	52,586	3/4	41,623	3/4	30,661	3/4	19,725	3/4	8,762		
2	63,320	2	52,358	2	41,395	2	30,432	2	19,496	2	8,534		
1/4	63,092	1/4	52,129	1/4	41,167	1/4	30,204	1/4	19,268	1/4	8,305		
1/2	62,864	1/2	51,901	1/2	40,938	1/2	29,975	1/2	19,040	1/2	8,077		
3/4	62,635	3/4	51,672	3/4	40,710	3/4	29,747	3/4	18,811	3/4	7,849		
3	62,407	3	51,444	3	40,481	3	29,519	3	18,583	3	7,620		
1/4	62,178	1/4	51,216	1/4	40,253	1/4	29,290	1/4	18,354	1/4	7,392		
1/2	61,950	1/2	50,987	1/2	40,025	1/2	29,062	1/2	18,126	1/2	7,163		
3/4	61,722	3/4	50,759	3/4	39,796	3/4	28,833	3/4	17,898	3/4	6,935		
4	61,493	4	50,531	4	39,568	4	28,605	4	17,669	4	6,707		
1/4	61,265	1/4	50,302	1/4	39,339	1/4	28,377	1/4	17,441	1/4	6,478		
1/2	61,036	1/2	50,074	1/2	39,111	1/2	28,148	1/2	17,213	1/2	6,250		
3/4	60,808	3/4	49,845	3/4	38,883	3/4	27,920	3/4	16,984	3/4	6,022		
5	60,580	5	49,617	5	38,654	5	27,692	5	16,756	5	5,794		
1/4	60,351	1/4	49,389	1/4	38,426	1/4	27,464	1/4	16,527	1/4	5,566		
1/2	60,123	1/2	49,160	1/2	38,197	1/2	27,236	1/2	16,299	1/2	5,338		
3/4	59,895	3/4	48,932	3/4	37,969	3/4	27,008	3/4	16,071	3/4	5,110		
6	59,666	6	48,703	6	37,741	6	26,780	6	15,842	6	4,882		
1/4	59,438	1/4	48,475	1/4	37,512	1/4	26,553	1/4	15,614	1/4	4,655		
1/2	59,209	1/2	48,247	1/2	37,284	1/2	26,325	1/2	15,385	1/2	4,428		
3/4	58,981	3/4	48,018	3/4	37,056	3/4	26,097	3/4	15,157	3/4	4,201		
7	58,753	7	47,790	7	36,827	7	25,870	7	14,929	7	3,973		
1/4	58,524	1/4	47,561	1/4	36,599	1/4	25,642	1/4	14,700	1/4	3,747		
1/2	58,296	1/2	47,333	1/2	36,370	1/2	25,415	1/2	14,472	1/2	3,521		
3/4	58,067	3/4	47,105	3/4	36,142	3/4	25,187	3/4	14,243	3/4	3,295		
8	57,839	8	46,876	8	35,914	8	24,960	8	14,015	8	3,069		
1/4	57,611	1/4	46,648	1/4	35,685	1/4	24,732	1/4	13,787	1/4	2,845		
1/2	57,382	1/2	46,420	1/2	35,457	1/2	24,505	1/2	13,558	1/2	2,621		
3/4	57,154	3/4	46,191	3/4	35,228	3/4	24,277	3/4	13,330	3/4	2,396		
9	56,925	9	45,963	9	35,000	9	24,050	9	13,101	9	2,172		
1/4	56,697	1/4	45,734	1/4	34,772	1/4	23,822	1/4	12,873	1/4	1,964		
1/2	56,469	1/2	45,506	1/2	34,543	1/2	23,595	1/2	12,645	1/2	1,755		
3/4	56,240	3/4	45,278	3/4	34,315	3/4	23,367	3/4	12,416	3/4	1,547		
10	56,012	10	45,049	10	34,086	10	23,139	10	12,188	10	1,338		
1/4	55,784	1/4	44,821	1/4	33,858	1/4	22,912	1/4	11,960	1/4	1,174		
1/2	55,555	1/2	44,592	1/2	33,630	1/2	22,684	1/2	11,731	1/2	1,010		
3/4	55,327	3/4	44,364	3/4	33,401	3/4	22,457	3/4	11,503	3/4	846		
11	55,098	11	44,136	11	33,173	11	22,229	11	11,274	11	682		
1/4	54,870	1/4	43,907	1/4	32,945	1/4	22,002	1/4	11,046	1/4	575		
1/2	54,642	1/2	43,679	1/2	32,716	1/2	21,774	1/2	10,818	1/2	468		
3/4	54,413	3/4	43,450	3/4	32,488	3/4	21,547	3/4	10,589	3/4	361		

GAUGE LOCATED 29'-8" FROM AFT BULKHEAD AND 1'-0" FROM CENTERLINE BULKHEAD.

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