

# VISCOSITY CONVERSIONS

Kinematic cSt	Saybolt Universal Seconds		Redwood No. 1 Seconds	Engler ° All Temp.
	40°C (104°F)	100°C (212°F)	140°F (60°C)	
2.0	32.6	32.8	31	1.120
2.5	34.3	34.5	32	1.169
3.0	36.0	36.2	33	1.218
3.5	37.6	37.8	35	1.263
4.0	39.2	39.5	36	1.308
4.5	40.8	41.1	37	1.351
5.0	42.4	42.7	39	1.394
5.5	44.0	44.3	40	1.437
6.0	45.6	45.9	41	1.480
6.5	47.2	47.5	43	1.523
7.0	48.8	49.1	44	1.566
7.5	50.4	50.8	45	1.610
8.0	52.1	52.4	46	1.654
8.5	53.7	54.1	48	1.698
9.0	55.4	55.8	49	1.743
9.5	57.1	57.5	51	1.788
10.0	58.8	59.2	52	1.834
10.5	60.6	61.0	54	1.881
11.0	62.4	62.8	55	1.928
11.5	64.2	64.6	57	1.976
12.0	66.0	66.4	58	2.023
12.5	67.8	68.3	60	2.073
13.0	69.7	70.2	62	2.122
13.5	71.6	72.1	64	2.172
14.0	73.5	74.0	65	2.222
14.5	75.4	76.0	67	2.275
15.0	77.4	77.9	68	2.328
15.5	79.4	79.9	70	2.382
16.0	81.4	81.9	72	2.435
16.5	83.4	83.9	74	2.488
17.0	85.4	86.0	75	2.540
17.5	87.4	88.0	77	2.593

Kinematic cSt	Saybolt Universal Seconds		Redwood No. 1 Seconds	Engler ° All Temp.
	40°C (104°F)	100°C (212°F)	140°F (60°C)	
18.0	89.5	90.1	79	2.646
18.5	91.5	92.2	81	2.703
19.0	93.6	94.3	82	2.761
19.5	95.7	96.4	84	2.818
20	97.8	98.5	86	2.876
21	102.1	102.7	90	2.99
22	106.3	107.0	94	3.11
23	110.6	111.4	97	3.23
24	115.0	115.8	101	3.35
25	119.4	120.2	105	3.47
26	123.7	124.6	109	3.59
27	128.2	129.0	113	3.71
28	132.6	133.5	117	3.83
29	137.0	137.9	121	3.95
30	141.5	142.5	125	4.08
31	146.0	147.0	129	4.21
32	150.5	151.5	133	4.33
33	155.0	156.0	137	4.46
34	159.5	160.6	141	4.58
35	164.0	165.1	145	4.71
36	168.6	169.7	149	4.84
37	173.1	174.3	153	4.97
38	177.6	178.8	157	5.09
39	182.2	183.4	161	5.22
40	186.8	188.0	165	5.35
41	191.3	192.6	169	5.48
42	195.9	197.2	173	5.61
43	200	201	177	5.74
44	205	206	181	5.87
45	210	211	185	6.00
46	214	215	189	6.12
47	219	220	193	6.25

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	40°C (104°F)	100°C (212°F)	140°F (60°C)	
48	223	224	197	6.38
49	228	229	201	6.51
50	233	234	205	6.64
51	237	238	209	6.77
52	242	243	213	6.9
53	246	247	218	7.04
54	251	252	222	7.17
55	256	257	226	7.30
56	260	261	230	7.43
57	265	266	234	7.56
58	269	271	238	7.69
59	274	275	242	7.82
60	279	280	246	7.95
61	283	285	250	8.08
62	288	289	254	8.21
63	292	294	258	8.34
64	297	299	262	8.47
65	302	303	266	8.61
66	306	308	271	8.74
67	311	312	275	8.87
68	315	317	279	9.00
69	320	322	283	9.13
70	325	326	287	9.26
71	329	331	291	9.39
72	334	336	295	9.52
73	339	340	299	9.66
74	343	345	303	9.79
75	348	350	307	9.92

## CONVERSION FACTORS FOR VISCOSITIES IN EXCESS OF 75 CENTISTOKES

To convert to:	At:	Multiply cSt at same
SUS	40 °C	temp. by:
SUS	100 °C	4.632
Redwood No.1	70 °F	4.664
Redwood No.1	100 °F	4.06
Redwood No.1	140 °F	4.08
Redwood No.1	200 °F	4.10
Engler °	All Temps.	4.18
		0.132