

## VISCOSITY EQUIVALENTS

Kinematic Viscosity cSt	Engler Degrees	Redwood No.1 Seconds	Saybolt Universal Seconds	Kinematic Viscosity cSt	Engler Degrees	Redwood No.1 Seconds	Saybolt Universal Seconds
*7.5	1.60	45	50.3	28.0	3.85	117	132.1
*8.0	1.65	46	52.0	29.0	3.95	121	136.5
*8.5	1.70	47.5	53.7	30.0	4.1	125	140.9
*9.0	1.75	49	55.4	31.0	4.2	129	145.3
*9.5	1.79	50.5	57.1	32.0	4.35	133	149.7
10.0	1.83	52	58.8	33.0	4.45	136	154.2
10.2	1.85	52.5	59.5	34.0	4.6	140	158.7
10.4	1.87	53	60.2	35.0	4.7	144	163.2
10.6	1.89	53.5	60.9	36.0	4.85	148	167.7
10.8	1.91	54.5	61.6	37.0	4.95	152	172.2
11.0	1.93	55	62.3	38.0	5.1	156	176.7
11.4	1.97	56	63.7	39.0	5.2	160	181.2
11.8	2.00	57.5	65.2	40.0	5.35	164	185.7
12.2	2.04	59	66.6	41.0	5.45	168	190.2
12.6	2.08	60	68.1	42.0	5.6	172	194.7
13.0	2.12	61	69.6	43.0	5.75	177	199.2
13.5	2.17	63	71.5	44.0	5.85	181	203.8
14.0	2.22	64.5	73.4	45.0	6.0	185	208.4
14.5	2.27	66	75.3	46.0	6.1	189	213.0
15.0	2.32	68	77.2	47.0	6.25	193	217.6
15.5	2.38	70	79.2	48.0	6.45	197	222.2
16.0	2.43	71.5	81.1	49.0	6.5	201	226.8
16.5	2.5	73	83.1	50.0	6.65	205	231.4
17.0	2.55	75	85.1	52.0	6.9	213	240.6
17.5	2.6	77	87.1	54.0	7.1	221	249.6
18.0	2.65	78.5	89.2	56.0	7.4	229	259.0
18.5	2.7	80	91.2	58.0	7.65	237	268.2
19.0	2.75	82	93.3	60.0	7.9	245	277.4
19.5	2.8	84	95.4	70.0	9.2	285	323.4

For higher viscosities, the following factors should be used.

Kinematic = 0.247 Redwood	Saybolt = 35.11 Engler
Engler = 0.132 Kinematic	Engler = 0.0326 Redwood
Redwood = 4.05 Kinematic	Saybolt = 1.14 Redwood
Saybolt = 4.62 Kinematic	Kinematic = 0.216 Saybolt
Kinematic = 7.58 Engler	Engler = 0.0285 Saybolt
Redwood = 30.70 Engler	Redwood = 0.887 Saybolt

**Note:**

The first part of the table mark with an \* should only be used for the conversion of kinematic viscosities into Engler, Redwood or Saybolt viscosities, or for Engler, Redwood and Saybolt between themselves. They should not be used for conversion of Engler, Redwood or Saybolt into Kinematic viscosities.

