

TABLE 6.6 Conversion of SUS viscosity to kinematic viscosity.^{A,B}

SUS Viscosity		Equivalent Kinematic Viscosity (± 0.01), mm ² /s	SUS Viscosity		Equivalent Kinematic Viscosity (± 0.01), mm ² /s
At 100°F (37.8°C)	At 210°F (98.9°C)		At 100°F (37.8°C)	At 210°F (98.9°C)	
30.0	30.2	1.22	32.5	32.7	1.97
30.1	30.3	1.25	32.6	32.8	2.00
30.2	30.4	1.28	32.7	32.9	2.03
30.3	30.5	1.31	32.8	33.0	2.06
30.4	30.6	1.34	32.9	33.1	2.09
30.5	30.7	1.37	33.0	33.2	2.12
30.6	30.8	1.40	33.1	33.3	2.15
30.7	30.9	1.43	33.2	33.4	2.18
30.8	31.0	1.46	33.3	33.5	2.21
30.9	31.1	1.49	33.4	33.6	2.24
31.0	31.2	1.52	33.5	33.7	2.26
31.1	31.3	1.55	33.6	33.8	2.29
31.2	31.4	1.58	33.7	33.9	2.32
31.3	31.5	1.61	33.8	34.0	2.35
31.4	31.6	1.64	33.9	34.1	2.38
31.5	31.7	1.67	34.0	34.2	2.41
31.6	31.8	1.70	34.1	34.3	2.44
31.7	31.9	1.73	34.2	34.4	2.47
31.8	32.0	1.76	34.3	34.5	2.50
31.9	32.1	1.79	34.4	34.6	2.53
32.0	32.2	1.82	34.5	34.7	2.56
32.1	32.3	1.85	34.6	34.8	2.59
32.2	32.4	1.88	34.7	34.9	2.62
32.3	32.5	1.91	34.8	35.0	2.65
32.4	32.6	1.94	34.9	35.1	2.68

^AAdapted from ASTM D 2161-93.

^BSUS viscosity is not defined for values below 32.0. Equivalent kinematic viscosities in this table for SUS values below 32.0 were estimated by extrapolation.

D.5 Suspensions

Particle concentrations by volume percent are specified as follows:

Particle Type	ASTM E 1444	ASTM A 275	AMS 3041, 3043, 3045, 3046
visible	1.2 to 2.4%	1.0 to 2.0% in oil 2.0 to 2.5% in water	1.5 to 2.4%
fluorescent	0.1 to 0.4%	0.1 to 0.7%	0.2 to 0.5%