

**TABLE 6.6** Conversion of SUS viscosity to kinematic viscosity.<sup>A,B</sup>

SUS Viscosity		Equivalent Kinematic Viscosity ( $\pm 0.01$ ), mm <sup>2</sup> /s	SUS Viscosity		Equivalent Kinematic Viscosity ( $\pm 0.01$ ), mm <sup>2</sup> /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

<sup>A</sup>Adapted from ASTM D 2161-93.

<sup>B</sup>SUS 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%