

SAE J300 engine oil viscosity grades

Grade	Cold cranking max	Pumping max	Viscosity at 100 °C	Min HTHS 150 °C
0W	6200 mPa·s at -35 °C	60,000 at -40 °C	≥ 3.8 cSt	—
5W	6600 mPa·s at -30 °C	60,000 at -35 °C	≥ 3.8 cSt	—
10W	7000 mPa·s at -25 °C	60,000 at -30 °C	≥ 4.1 cSt	—
15W	7000 mPa·s at -20 °C	60,000 at -25 °C	≥ 5.6 cSt	—
20W	9500 mPa·s at -15 °C	60,000 at -20 °C	≥ 5.6 cSt	—
25W	13000 mPa·s at -10 °C	60,000 at -15 °C	≥ 9.3 cSt	—
8	—	—	4 to < 6.1 cSt	1.7
12	—	—	5 to < 7.1 cSt	2
16	—	—	6.1 to < 8.2 cSt	2.3
20	—	—	6.9 to < 9.3 cSt	2.6
30	—	—	9.3 to < 12.5 cSt	2.9
40	—	—	12.5 to < 16.3 cSt	3.5 / 3.7
50	—	—	16.3 to < 21.9 cSt	3.7
60	—	—	21.9 to < 26.1 cSt	3.7

Summary of SAE J300 limits; the standard is the authority.

Notes