

SAE J300 (1999) Motor Oil Grades- Low Temperature Specifications

| | dynamic viscosity (mPa·s) | | | |
|-------------------|---------------------------|------------------|-----------------|------------------|
| Grade Designation | Cranking Maximum | Temperature (°C) | Pumping Maximum | Temperature (°C) |
| 0W | 6,200 | -35 (-31° F) | 60,000 | -40 (-40° F) |
| 5W | 6,600 | -30 (-22° F) | 60,000 | -35 (-31° F) |
| 10W | 7,000 | -25 (-13° F) | 60,000 | -30 (-22° F) |
| 15W | 7,000 | -20 (-4° F) | 60,000 | -25 (-13° F) |
| 20W | 9,500 | -15 (5° F) | 60,000 | -20 (-4° F) |
| 25W | 13,000 | -10 (14° F) | 60,000 | -15 (5° F) |

SAE J300 (1999) Motor Oil Grades - High Temperature Specifications

| Grade Designation | kinematic viscosity (cSt) low shear rate at 100 °C (212° F) | dynamic viscosity (mPa·s) high shear rate at 150 °C (302° F) |
|-------------------|--|---|
| 20 | 5.6 - 9.3 | >2.6 |
| 30 | 9.3 - 12.5 | >2.9 |
| 40 | 12.5 - 16.3 | >2.9 ¹ |
| 40 | 12.5 - 16.3 | >3.7 ² |
| 50 | 16.3 - 21.9 | >3.7 |
| 60 | 21.9 - 26.1 | >3.7 |

Ford Motor Engine Oil Specifications

B Lingard



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