

GUIDE TO SAE VISCOSITY GRADES OF MOTOR OIL FOR PASSENGER CARS

Multigrade oils such as SAE 5W-30 and 10W-30 are widely used because, under all but extremely hot or cold conditions, they are thin enough to flow at low temperatures and thick enough to perform satisfactorily at high temperatures. Note that vehicle requirements may vary. **FOLLOW YOUR VEHICLE MANUFACTURER'S RECOMMENDATIONS ON SAE OIL VISCOSITY GRADE.**

IF LOWEST EXPECTED OUTDOOR TEMPERATURE IS

0°C (32°F)

-18°C (0°F)

Below -18°C (0°F)

TYPICAL SAE VISCOSITY GRADES FOR PASSENGER CARS

0W-20, 0W-30, 5W-20, 5W-30, 10W-30, 10W-40, 20W-50

0W-20, 0W-30, 5W-20, 5W-30, 10W-30, 10W-40

0W-20, 0W-30, 5W-20, 5W-30

The current and previous ILSAC standards and API Service Categories are listed here. Vehicle owners should refer to their owner's manuals before consulting these charts. Oils may have more than one performance level.

For automotive gasoline engines, the latest ILSAC standard or API Service Category includes the performance properties of each earlier category and can be used to service older engines where earlier category oils were recommended.

ILSAC STANDARD FOR PASSENGER CAR ENGINE OILS

NAME	STATUS	SERVICE
GF-5	CURRENT	Introduced in October 2010 for 2011 and older vehicles, designed to provide improved high temperature deposit protection for pistons and turbochargers, more stringent sludge control, improved fuel economy, enhanced emission control system compatibility, seal compatibility, and protection of engines operating on ethanol-containing fuels up to E85.
GF-4	OBSOLETE	Valid until September 30, 2011. Use GF-5 where GF-4 is recommended.
GF-3	OBSOLETE	Use GF-5 where GF-3 is recommended.
GF-2	OBSOLETE	Use GF-5 where GF-2 is recommended.
GF-1	OBSOLETE	Use GF-5 where GF-1 is recommended.