

WHAT IS GF-6?



GF-6 is the current passenger car engine oil specification from International Lubricant Specification Advisory Committee (ILSAC). In cooperation with the American Petroleum Institute (API), ILSAC writes engine oil performance specifications. These specifications define minimum performance and protection requirements that the oil must provide, and also define chemistry restrictions on engine oil formulations to protect vehicle emissions equipment. An ILSAC and API licensed engine oil guarantees the customer of an engine oil that will satisfactorily protect and lubricate passenger car engines. Also, an engine oil must typically have a current API/ILSAC engine oil license in order to meet warranty requirements for new vehicles.

The GF-6 specification replaces the older GF-5 specification. The intent of GF-6 is to address unique requirements of current Gasoline Direct Injection (GDI) engines, and this new ILSAC spec is unique in that it has been split into two sub-categories.

ILSAC GF-6A

ILSAC GF-6A is the direct replacement for the prior GF-5 engine oil specification and is designed to be completely backward compatible to replace all prior ILSAC specification recommended for older vehicles. Applies to common SAE engine oil viscosity grades including 0W-20, 5W-20, 0W-30, 5W-30 & 10W-30.

- + Protection against damaging Low Speed Pre-Ignition (LSPI) that may occur in GDI engines
- + Enhanced wear protection in problem areas of GDI engines including timing chain(s) and camshafts
- + Increased fuel economy requirements (compared to GF-5)
- + Greater engine protection for engines with Stop-Start operation
- + Improved engine cleanliness, with more protection against sludge and varnish formation



ILSAC GF-6B

ILSAC GF-6B is the special sub-category for GF-6 that applies ONLY to Ultra-Low Viscosity Grade engine oils. GF-6B is designed specifically to maximize engine fuel economy and efficiency by lowering oil viscosity lower than ever before. GF-6B is NOT backward compatible to cover older API/ILSAC specification and should not be used in engines that specify ILSAC GF-6A, GF-5, or older ILSAC specs. Applies only new Ultra-Low Viscosity SAE engine oil viscosity grades including 0W-16.

- + Maximized engine fuel economy performance
- + Protection against damaging Low Speed Pre-Ignition (LSPI) that may occur in GDI engines
- + Optimized wear protection for engines specifying the use of Ultra-Low Viscosity Grade engine oil
- + Greater engine protection for engines with Stop-Start operation
- + Improved engine cleanliness, with more protection against sludge and varnish formation

