

ENGINE OILS

HiTEC® 11191

Passenger Car Engine Oil Additive



Delivering Optimum Protection for the Latest Engine Designs with ILSAC GF-6, API SP and GM dexos™1 Gen 3 Approval Capability Utilizing Group II Base Oil

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Application

HiTEC® 11191 is a new, upgraded additive technology to meet the combined performance requirements of ILSAC GF-6, API SP specifications and the new GM dexos™1 Gen 3 specification, incorporating Group II base oil in the formulations. HiTEC® 11191 comfortably exceeds the demands of the ILSAC GF-6 specification and provides market leading engine protection for the latest turbo-charged gasoline direct injection (TGDi) engine designs.

HiTEC® 11191 is specifically designed to meet the more stringent demands of the new GM dexos™1 Gen 3 specification incorporating Group II base oil in the formulations. GM dexos™1 Gen 3 is the most demanding variant of dexos™1, with new GM performance tests for pre-ignition control and vehicle fuel economy. This latest specification includes stricter requirements for engine cleanliness and wear that exceed ILSAC GF-6 requirements.

To meet the new dexos™1 Gen 3 specification, individual formulations must be tested and approved by GM according to a rigorous testing protocol and review process. HiTEC® 11191 has been qualified and approved for two specific SAE 0W-20 and 5W-30 viscosity grades with Group II/Group III base oil combinations.

For specific details of the approved formulations, please contact your Afton Chemical representative.

Key Performance Benefits

- Meets formal GM dexos™1 Gen 3 approval requirements in SAE 0W-20 and 5W-30 grades with Group II/Group III base oil content
- Fully meets the industry license requirements of the ILSAC GF-6 and API SP specifications for applicable engine warranty protection
- Maintains the industry leading engine wear performance of previous generation Afton technologies with enhanced control of pre-ignition under steady-state, transient, or extended-drain conditions for optimum engine protection

Other Specifications

- Ford WSS-M2C961-A1 (SAE 5W-30)
- Ford WSS-M2C962-A1 (SAE 0W-20)

Recommended Dosage

HiTEC® 11191 is used at 9.2% wt. to formulate all recommended grades and approved oils. Please contact your Afton Chemical representative for specific formulation recommendations.

Typical Characteristics

Appearance	Dark brown viscous liquid
Specific Gravity @ 15.6/15.6°C	0.965
Density, lb/gal.	8.05
Viscosity @ 100°C, cSt	101
Flash Point, °C (PMCC)	135 min.

Handling Information

Max Handling Temp (<5 days): 70°C

Shelf Life: 3 months @ 50°C, 36 months @ ambient (10-40°C)

Performance Summary HiTEC® 11191

