

ENGINE OILS

HiTEC® 11184

Passenger Car Engine Oil Additive



A Premium Additive Technology Designed to Efficiently Meet the Specification and Approval Requirements of ILSAC GF-6, API SP and GM dexos™1 Gen 3

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Application

HiTEC® 11184 is a new Afton DI platform designed to meet the combined performance demands of both ILSAC GF-6 and API SP, together with the qualification and approval requirements of the new GM dexos™1 Gen 3 specification. HiTEC® 11184 has been designed as a first intent platform for the new performance demands of the Gen 3 specification with specific emphasis on robust vehicle fuel economy performance, optimum pre-ignition control and outstanding wear durability. The new GM dexos™1 specification includes new engine tests for both vehicle fuel economy, GMOEE, and pre-ignition control under transient operation conditions, GM SPI3. HiTEC® 11184 has been formulated following an extensive evaluation of the specific performance demands of these two new tests.

In addition to these new dexos™1 performance test demands, GM has increased the performance demands of other tests within the specification and tightened the development and testing requirements for all qualification programs. All programs are reviewed and audited by GM and approved fluids are defined as an exact match of the individual test oils. They are verified by independent laboratory testing to obtain the GM approval license. All approved oils are also subject to after-market audit for continued compliance.

HiTEC® 11184 has been qualified and approved according to these GM rules and offers approved formulations in key SAE 0W-20 and 5W-30 grades in selected industry base oils. For specific details of the range of approved formulations that can be supported with this technology, please contact your Afton Chemical representative.

Key Performance Benefits

- Fully meets ILSAC GF-6 and API SP license requirements in all approved formulations
- Meets formal GM dexos™1 Gen 3 approval requirements in SAE 0W-20, and 5W-30 grades in selected industry base oils at economic DI treat levels
- Maintains the industry leading wear performance of previous generation Afton technologies to provide optimum engine protection for all engine types and configurations
- Designed to provide excellent control of lubricant derived pre-ignition under all engine operating modes including steady-state, transient, or extended-drain severe service for optimum engine protection

Other Specifications

- ILSAC GF-6 & API SP
- Ford WSS-M2C961-A1 (SAE 5W-30)
- Ford WSS-M2C962-A1 (SAE 0W-20)

Recommended Dosage

HiTEC® 11184 is used at 9.2% wt. to formulate all recommended grades and approved oils. HiTEC® 11184 is designed to be used in combination with HiTEC® 5748A OPC VM.

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: 70°C

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

Performance Summary HiTEC® 11184

