

# ENGINE OILS

## **HiTEC® 11167**

**Passenger Car Engine Oil Additive**



Outstanding Performance for the new ILSAC  
GF-7/API SQ Industry Specification



## HiTEC® 11167 Passenger Car Engine Oil Additive

Outstanding Performance for the new ILSAC GF-7/API SQ Industry Specification

### Application

HiTEC® 11167 is a new additive technology developed to exceed the minimum performance requirements of the API SQ, ILSAC GF-7A & GF-7B specifications in all applicable market viscosity grades.

HiTEC® 11167 has enhanced performance capability in terms of piston cleanliness, oxidation stability and fuel economy providing optimum protection for the latest turbocharged gasoline direct injection (TGDI) engine designs.

These formulation improvements combine with the superior anti-wear technology of previous Afton products to ensure optimum performance & protection for all engine types, new and old.

### Key Performance Benefits

- Fully meets the license and approval requirements of API SQ, ILSAC GF-7A & GF-7B in all applicable viscosity grades.
- Extensive base oil qualification coverage, including several re-refined base oils, providing multiple options for each viscosity grade. Where possible, based on base oil properties, key grades are optimized to lowest formulation cost.
- Superior wear, cleanliness, fuel economy and pre-ignition protection performance to address the key operational demands of all engine types

### Recommended Dosage

HiTEC® 11167 is used at 8.8% wt. to formulate all recommended grades. Please contact your Afton Chemical representative for specific formulation recommendations.

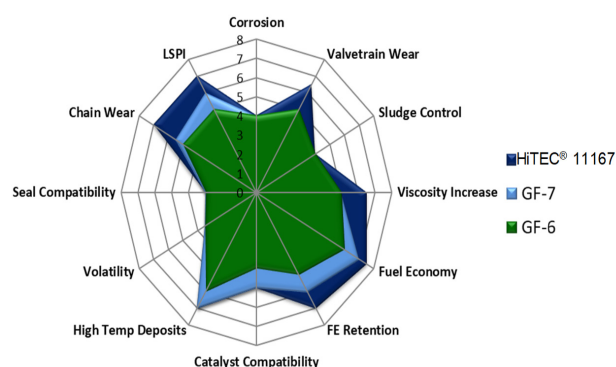
### Typical Characteristics

Appearance	Dark brown viscous liquid
Specific Gravity @ 15.6/15.6°C	0.968
Density, lb/gal.	8.07
Viscosity @ 100°C, cSt	59
TBN, mgKOH/g	88
Flash Point, °C (PMCC)	135 min.

### Handling Information

Max Handling Temp: 70°C

Shelf Life: 3 months @ 45-50°C, 36 months @ ambient (10-40°C)



1

Customized Formulations with Performance Boosters

- + Extending engine life
- + Removing engine sludge
- + For Hybrid Vehicles

All performance metrics are in reference to ILSAC GF-7 specification requirements.

2

Up To **9%** Better Fuel Economy

4

**50%** Better Aged Pre-Ignition Prevention

6

Broad viscosity grade and base oil coverage (including re-refined):  
**25+** base oils covered

3

Up to **70%** Better Oxidation Control

5

Field Proven **Durability**

7

Beyond Specification  
More Than **50%** Less Wear