

ENGINE OILS

HiTEC[®] 11100

Passenger Car Engine Oil Additive



GF-5 Additive Technology for Maximum Performance

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Application

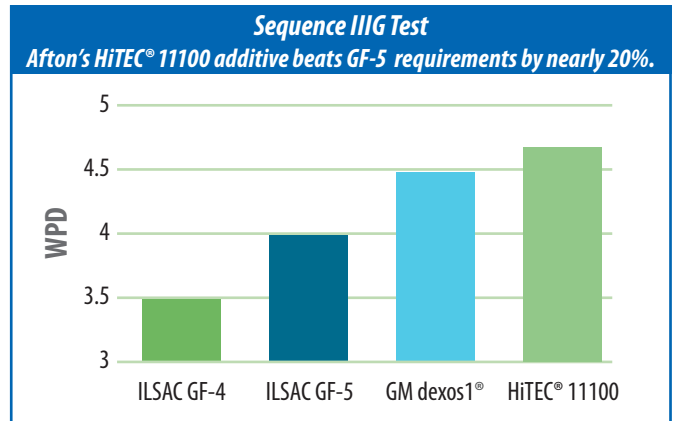
HiTEC® 11100 is a new additive technology designed to meet the latest ILSAC GF-5 and API SN industry requirements as well as the performance demands of the new GM dexos1® specification in cost-effective formulations. HiTEC® 11100 is designed for the manufacture of all ILSAC and non-ILSAC viscosity grades in a wide range of industry basestocks in conjunction with HiTEC® 5751 OCP VI improver (50 SSI). HiTEC® 11100 already contains a pour point depressant (PPD) and so no supplemental PPD should be necessary in order to meet low temperature properties of any of these grades. HiTEC® 11100 can also be used to meet both ILSAC GF-5 and dexos1® in an SAE 5W-30 grade using HiTEC® 5754 OCP VI improver (35 SSI) in selected basestocks to meet the more severe Noack volatility demands of the dexos1® specification. Contact Afton Chemical directly for specific instructions on obtaining a dexos1® license for your finished oil.

Recommended Dosage

HiTEC® 11100 is used at 10.1% wt. to formulate multi-grade and can also be used for mono-grade engine oils. A wide range of basestocks can be used with this technology. Please contact your Afton Chemical representative for specific formulation recommendations.

Key Performance Benefits

- Robust technology that exceeds the demands of the new ILSAC GF-5 specification
- Covers both API SN and API SN Resource Conserving license requirements
- Approved against GM dexos1® specification with no additive modifications, boost or changes in treat rate



Typical Characteristics

Appearance	Dark brown viscous liquid
Specific Gravity @ 15.6/15.6°C	0.971
Density, lb/gal.	8.09
Viscosity @ 100°C, cSt	89
TBN, mgKOH/g	78
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)

*dexos1® is a registered trademark of General Motors Corporation.

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