

ENGINE OILS

HiTEC[®] 12350 **HDEO Additive Package**



Made For China Top Tier Heavy Duty Engine Oil Additive

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Application

HiTEC® 12350 additive is a Made For China product, formulated based on Chinese OEMs insights on what they need in a lubricant for their new hardware. It is a top tier product designed to meet new fuel economy and emission legislation.

- Lower Viscosity HDEOs to contribute to fuel economy**
 Chinese OEMs must comply with new legislation to deliver 15% fuel economy in their latest vehicle designs. Lower viscosity oils reduce internal friction and pumping losses to help contribute to fuel economy. HiTEC® 12350 covers 5W-30, 10W-40 and 15W-40 viscosity grades.
- Protection for after-treatment systems**
 To comply with China VI emissions legislation Chinese OEMs are installing onboard after-treatment systems, such as diesel particulate filters (DPFs), in their latest hardware designs. HiTEC® 12350 has <1% ash content so it is compatible with these after treatment systems.
- Maintenance Savings via Long Oil Drain Intervals (ODIs)**
 To help their customers reduce total cost of ownership and save on maintenance, Chinese OEMs want durable engine oils that can deliver ultra-long ODIs out to 100,000KM-150,000KM ODI. HiTEC® 12350 has been developed with these drain intervals in mind.
- Key North American and European Industry & OEM specifications coverage**
 HiTEC® 12350 unites top tier performance from Europe and North America in one pack with API CK-4, ACEA E6 coverage. It also has Volvo and MAN approvals* which are important to some key Chinese OEMs due to their technology partnerships.

HiTEC® 12350 is Made In Asia, in Afton's Singapore manufacturing facility, to deliver lead time and working capital benefits.

HiTEC® 12350 is extremely cost effective due to its low treat rate @ 16.1% w.t for its top tier coverage API CK-4/ACEA E6 coverage, use of HiTEC® 5748 25SSI OCP and excellent base oil system.

Recommended Dosage

The dosage of HiTEC® 12350 HDEO additive package has one of the lowest treat rates of any top tier package currently available that meets both API CK-4 and ACEA E6 at just 16.1% t.r.

Typical Characteristics

Density at 15°C, g/ml:	0.951
Flash point, °C (PMCC):	150
Kinematic Viscosity at 100°C, mm²/s:	133
Total Base Number, mg KOH/g	61

Handling Information

Max Handling Temp: 70°C

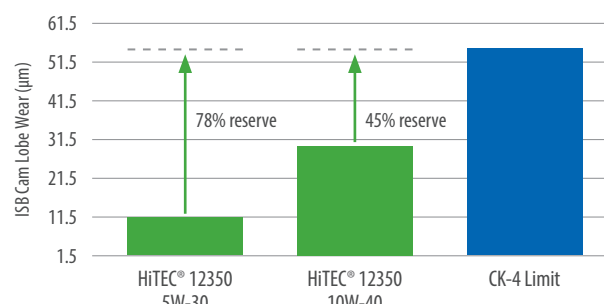
Shelf Life: 24 months at ambient temperature

HiTEC® 12350		Approvals									
16.1%	SAE 15W-40	GP II	•	•	•	•	•	•	•	•	•
16.1%	SAE 10W-40	GP II/III	•	•	•	•	•	•	•	•	•
16.1%	SAE 5W-30	GP III	•	•	•	•	•	•	•	•	•

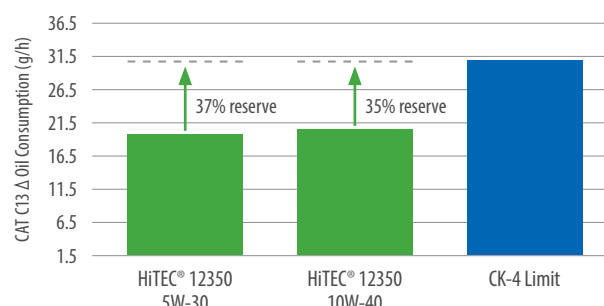
* Approval pending – note MAN approval require field trials (2 year duration)

+ Meets performance only as spec is obsolete

Excellent Cam Wear Protection



Better Oil Consumption vs API CK-4 Limit



Excellent Oxidation Resistance

