

ENGINE OILS

HiTEC[®] 12400

HDEO Additive Package



Truly Global Product for Reduced SAPS Heavy Duty Applications

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Key Performance Benefits

HiTEC® 12400 additive is a truly Global product uniting top tier performance from Europe, The Americas and China. HiTEC® 12400 covers ACEA E6/E9, API CK-4 and associated OEMs at a low treat-rate of 16.1% wt. Providing operational flexibility to oil marketers as well as ensuring superior total cost of ownership for end users.

Delivering Value for Fleet Owners through Total Cost of Ownership Superiority

- Reduced unplanned downtime as engine parts are protected meaning less breakdown and ensuring a higher resale value
- Reduced planned downtime as longer drain interval possible with top tier specification
- Reduction in everyday running costs, delivered by strong fuel economy performance

Operational Flexibility and Efficiency

- All relevant global top tier OEM claims supported
- Choice of Group III coverage allowing for base oil flexibility
- Booster approach to cover full SAPS extended drain products
- OCP viscosity modifier allowing efficiency across Engine Oils portfolio

Typical Characteristics

Density at 15°C, g/ml:	0.951
Flash Point, °C (PMCC):	150
Kinematic Viscosity at 100°C, mm ² /s:	133
Total Base Number, mg KOH/g:	61

Handling Information

Max Handling Temp: 70°C

Shelf Life: 24 months at ambient temperature

	API CK-4	ACEA E6-16	ACEA E9-16	ACEA E4-16	ACEA E7-16	JASO DH-2	Cummins CES 20086	Detroit Diesel DDC93K222	VDS4-5 / RLD-3 / Mack EO-S4.5	VDS-3 / RLD-2 / Mack EO-N	Scania LDF-4 *	MAN M3677 *	MAN M3775	MAN M3271 / M3377	Caterpillar ECF-3	Deutz DDC IV-18LA	Deutz DDC IV-18	Deutz DDC III-18LA	MB 228.51	MB 228.5	MB 228.31
ACEA E6 SAE 5W-30 HiTEC® 12400 @ 16.1 %wt	●	●	●		●	●	●	○	○			●	●			●					
ACEA E4 SAE 5W-30 HiTEC® 12400 @ 16.1 %wt + HiTEC® 611			●	●				○				○		○		○			○		
ACEA E6 SAE 10W-40 HiTEC® 12400 @ 16.1 %wt	●	●	●		●	●	●					●	●	●		●			○		
ACEA E4 SAE 10W-40 HiTEC® 12400 @ 16.1 %wt + HiTEC® 611			●	●				○				○		○		○			○		○
ACEA E9 SAE 10W-30 HiTEC® 12400 @ 16.1 %wt	●	●			●	●	○					○	●		○				○		○

○ Pending completion of Field Trial.
 * Scania LDF-4 and MAN M3677 OEM approvals require Field Trial
 ● Approval pending

