

ENGINE OILS

HiTEC[®] 12400

Heavy Duty Engine Oil Additive Package



Global Top Tier Performance for Reduced SAPS Applications
with Formulation Simplicity

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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 E8 / E11, API CK-4 and associated OEMs at a low treat-rate of 16.1%. It provides 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

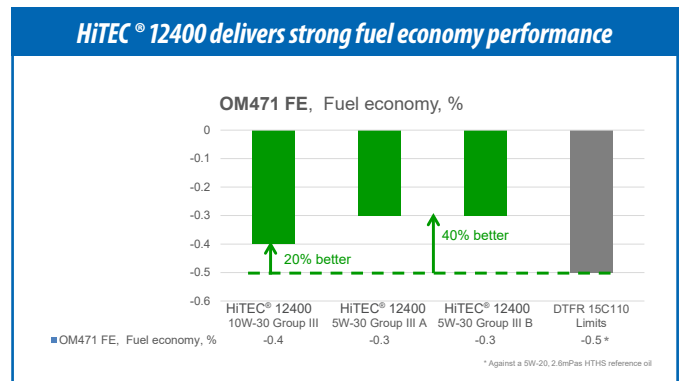
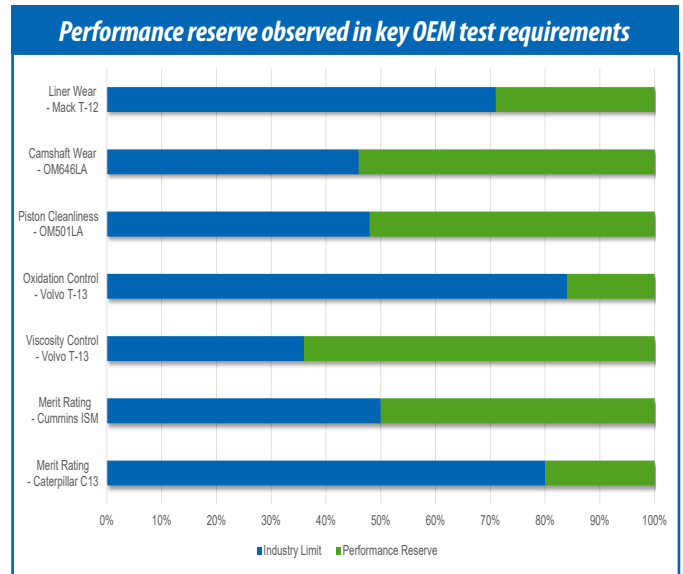
- Extensive range of global top tier OEM claims supported
- Choice of Group III coverage allowing for base oil flexibility
- Booster approach to cover full SAPS extended drain products
- OCP viscosity modifier allowing efficiency across Engine Oils portfolio

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

OEM Product Profile Coverage

	API CK-4	ACEA E8 E8-24	ACEA E4 E4-24	ACEA E11-24	ACEA E7-24	Mob 228.51	Mob 228.5	Mob 228.31	Volvo VDS4.5	Mack EOS-4.5	Renault RLD-3	Volvo VDS3	Mack EON	Renault RLD-2	MTU 3.1	DOC IV-18LA	DOC IV-18	DOC II-18LA	Caterpillar ECF-3	MAN M3175	MAN M3277	CEC 20086	DCC9K222	JASO DH-2	DAF PSOL 2.1E
ACEA E8 SAE 5W-30 @ 16.1 %wt	●	●	●	●	●			●	●	●				●	●			●			●	●			
ACEA E4 SAE 5W-30 @ 16.1 %wt + HiTEC® 611		●	●	●	●						●	●	●		●					●	●				
ACEA E8 SAE 10W-40 @ 16.1 %wt	●	●	●	●	●	●	●	●	●	●				●	●			●	●			●	●		
ACEA E4 SAE 10W-40 @ 16.1 %wt + HiTEC® 611		●	●	●	●						●	●	●		●					●	●				
ACEA E11 SAE 10W-30 @ 16.1 %wt	●	●	●	●	●	●	●	●	●	●															●



Handling Information

Max Handling Temp: 70°C
Shelf Life: 24 months at ambient temperature