

HIGHTEC TRUCKSTAR SAE 10W-30 HCK-LA

Low-SAPS SHPD fuel economy engine oil based on HC-synthesis base oils.

Description

HIGHTEC TRUCKSTAR SAE 10W-30 HCK-LA is a cutting-edge SHPD (super high performance diesel) engine oil with reduced sulphate ash, phosphorous and sulphur contents (low-SAPS), based on carefully selected additives and HC-synthesis base oils. It was specifically developed for up-to-date diesel engines with exhaust aftertreatment systems in trucks, buses and construction machines. Its SAE viscosity class of 10W-30 helps to make full use of modern engine concepts' fuel economy potentials.

Application

HIGHTEC TRUCKSTAR SAE 10W-30 HCK-LA combines European and American low-ash specifications. It is most suitable for vehicles with exhaust aftertreatment systems such as diesel particle filters (DPF), SCR (selective catalytic reduction) converters and improved exhaust gas recirculation (EGR) rates. Its modern concept enables a broad application range in keeping with manufacturer specifications and helps to save fuel, thus lowering the operating costs.

Approvals

- Mack EOS-4.5
- MB-Freigabe 228.31
- Renault VI RLD-3
- Volvo VDS-4.5

The quality of this product is equivalent to EU regulations

- API CK-4
- ACEA E7, E9
- JASO DH-2
- Caterpillar ECF-3
- Cummins 20086
- Detroit Diesel 93K222
- Deutz DQC III-10 LA
- MAN M 3275/M 3575

Additionally this product is recommended when the following filling instructions are required

- Ford WSS-M2C171-F1
- MAN M 3775
- MTU Type 2.1

Benefits

- First-class economization grade with broad application range for utility vehicles, buses and construction machines
- Cutting-edge additive technology for up-to-date engine concepts
- Protects exhaust aftertreatment systems by low sulphate ash, phosphorous and sulphur levels (low SAPS)
- Outstanding soot carrying capacity reliably prevents deposits in the engine and exhaust gas turbocharger
- Fuel savings through modern SAE viscosity class and fuel economy characteristic
- Safe operation over the entire change interval thanks to outstanding viscosity-temperature behaviour and high shear stability
- Stable lubricant film and best wear protection even with hot oil and under extreme conditions
- High oxidation protection through selected HC-synthesis oils and special additivation
- Blendable and compatible with conventional as well as synthetic engine oils. A full oil change is recommended, however, to enjoy all the advantages offered by HIGHTEC TRUCKSTAR SAE 10W-30 HCK-LA.



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Typical characteristics

Property	Method	Unit	Value
Density at 15 °C	ASTM D-7042	g/ml	0.87
Kinematic viscosity KV 40	ASTM D-7042	mm ² /s	83,45
Kinematic viscosity KV 100	ASTM D-7042	mm ² /s	12,0
Viscosity index	ASTM D-7042	-	138
Flash point	ASTM D-92 / DIN EN ISO 2592	°C	225
Pour point	ASTM D-97 / DIN EN ISO 3016	°C	-36
CCS	ASTM D-5293	cP @ °C	6600 @ -25
Total base number	DIN 51639-1	mgKOH/g	10,1
HTHS	ASTM D4683	mPas	3,5

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