

## HIGHTEC TRUCKSTAR SAE 10W-40 HC-LA

Low SAPS, UHPD, low viscosity engine oil based on HC synthetic base oils.

### Description

HIGHTEC TRUCKSTAR SAE 10W-40 HC-LA is an Ultra High Performance Diesel (UHPD) engine oil with low sulphated ash, phosphorous and sulphur content (Low SAPS). Developed specifically for modern diesel engines with exhaust after-treatment systems in heavy-goods vehicles, buses and work machines.

### Application

HIGHTEC TRUCKSTAR SAE 10W-40 HC-LA has been developed specifically for use in diesel engines subjected to high loads with extended maintenance intervals (WIV/LongLife Service) and modern exhaust after-treatment systems. It is successfully used in vehicles with Diesel Particulate Filters (DPF), SCR catalytic converters (Selective Catalytic Reduction) and increased Exhaust Gas Recirculation rates (AGR). Its modern design makes a wide range of applications possible according to the manufacturer's specifications and ensures safe operation even under difficult conditions. HIGHTEC TRUCKSTAR SAE 10W-40 HC-LA is also suitable according to manufacturer's specifications for gas-powered engines.

### Approvals

- Deutz DQC IV-18 LA
- Deutz TTCD (7.8 L6/6.1 L6)
- Mack EO-N
- MB-Freigabe 228.51
- MTU Type 3.1
- Renault RLD-2
- Volvo VDS-3

### Equivalent quality in accordance with EU-law as per

- ACEA E6,E7
- API CI-4
- JASO DH-2
- Cummins CES 20076/-77
- DAF HP2
- Deutz DQC III-10 LA
- MAN M 3271-1/3477
- MB 226.9
- Renault RGD/RXD
- Volvo CNG

### This product is also recommended when the following filling instructions are required

- DAF
- DAF HP-GAS
- Scania Low Ash

### Advantages

- Protection of exhaust after-treatment systems by means of low sulphated ash, phosphorous and sulphur content (Low SAPS)
- It guarantees the longest service intervals according to the manufacturer's specification
- Fuel economy due to low-viscosity characteristics
- Safer year-round operation due to outstanding viscosity-temperature behaviour and high shear stability
- Stable lubricating film, even with hot oil and under excessive loads, and the best wear protection
- High level of oxidation protection by means of selected HC synthetic oils and special additives
- Reliable protection against corrosion and black sludge
- Very low oil consumption
- Miscible and compatible with conventional and synthetic engine oils. However, in order to exploit the full product benefits of HIGHTEC TRUCKSTAR SAE 10W-40 HC-LA, a complete oil change is recommended.



Typical characteristics

Property	Method	Unit	Value
Density at 15 °C	ASTM D-7042	g/ml	0.86
Kinematic viscosity KV 100	ASTM D-7042	mm²/s	14,3
Kinematic viscosity KV 40	ASTM D-7042	mm²/s	94,6
Viscosity index	ASTM D-7042	-	157
Flash point	ASTM D-92 / DIN EN ISO 2592	°C	236
Pour point	ASTM D-97 / DIN EN ISO 3016	°C	-36
CCS	ASTM D-5293	cP @ °C	6050 @ -25
Total base number	DIN 51639-1	mgKOH/g	10,3
HTHS	ASTM D4683	mPas	4,1
Sulphated ash	ASTM D874	wt-%	max. 1

These characteristics are typical for current production. The data does not constitute an assurance of properties or a guarantee of suitability for a specific application. Existing legal provisions and regulations that affect handling and usage of the products must be observed by the recipient of our products. ROWE products are continuously being developed. For this reason, ROWE retains the right to change all technical data in this product information at any time without prior announcement. Our current General Delivery and Payment Conditions apply ([www.rowe-oil.com](http://www.rowe-oil.com)).

