

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

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

### Description

HIGHTEC TRUCKSTAR SAE 10W-40 MULTI-LA is a novel Super High Performance Diesel (SHPD) engine oil with a reduced content of sulphated ash, phosphorous and sulphur (Low SAPS) based on advanced additives and HC synthetic base oils. 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 MULTI-LA combines the American and European Low Ash specification in just one product. It is ideally suited to vehicles with exhaust after-treatment systems such as 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.

### Approvals

- Deutz DQC IV-10 LA
- Mack EO-O PREMIUM PLUS
- MB-Freigabe 228.51/228.31
- Renault RLD-3
- Volvo VDS-4

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

- ACEA E6,E7,E9
- API CK-4
- JASO DH-2
- CAT ECF-3/2/1-a
- Cummins CES 20081
- Detroit Diesel 93K218
- MAN M 3477/M 3271-1
- MTU Type 3.1
- Scania Low Ash

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

- Iveco 18-1804 TLS E9

### Advantages

- First-class economy grade for a wide range of applications in commercial vehicles, buses and construction machinery.
- Protection of exhaust after-treatment systems by means of low sulphated ash, phosphorous and sulphur content (Low SAPS)
- The excellent grime tolerance reliably prevents deposits from building up in the engine and exhaust gas turbocharger
- 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
- Miscible and compatible with conventional and synthetic engine oils. However, in order to exploit the full product benefits of HIGHTEC TRUCKSTAR SAE 10W-40 MULTI-LA, a complete oil change is recommended.

ROWE MINERALÖLWERK GMBH  
Langgewann 101, D-67547 Worms



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## Typical characteristics

| Property                   | Method                      | Unit               | Value      |
|----------------------------|-----------------------------|--------------------|------------|
| Density at 15 °C           | ASTM D-7042                 | g/ml               | 0.861      |
| Kinematic viscosity KV 100 | ASTM D-7042                 | mm <sup>2</sup> /s | 14,7       |
| Kinematic viscosity KV 40  | ASTM D-7042                 | mm <sup>2</sup> /s | 97,3       |
| Viscosity index            | ASTM D2270                  | -                  | 157        |
| Flash point                | ASTM D-92 / DIN EN ISO 2592 | °C                 | 238        |
| Pour point                 | ASTM D-97 / DIN EN ISO 3016 | °C                 | -36        |
| CCS                        | ASTM D-5293                 | cP @ °C            | 5600 @ -25 |
| Total base number          | DIN 51639-1                 | mgKOH/g            | 10,0       |
| HTHS                       | ASTM D4683                  | mPas               | 4,1        |
| Sulphated ash              | ASTM D874                   | wt-%               | ≤ 1        |
| Noack                      | ASTM D5800                  | %                  | 8,3        |

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)).

