

## HIGHTEC TURBO HD SAE 20W-50 PLUS

SHPD engine oil with high power reserves. Developed specifically for mixed fleets with petrol and diesel engines from different manufacturers in passenger cars, heavy-goods vehicles, work machines and agricultural machinery.

### Description

HIGHTEC TURBO HD SAE 20W-50 PLUS is a Super High Performance Diesel (SHPD) engine oil. Its exceptionally wide range of applications is reflected in the interaction of selected base oils with advanced additives.

### Application

HIGHTEC TURBO HD SAE 20W-50 PLUS is used in petrol and diesel engines from different manufacturers in mixed vehicle fleets according to the manufacturer's specification. Its modern design makes a wide range of applications possible and ensures safe operation under all operating conditions.

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

- ACEA E7
- ACEA A3/B4
- API SL/CI-4
- GLOBAL DHD-1
- JASO DH-1
- Deutz DQC II-10
- Detroit Diesel DDC93K215
- MB 228.3

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

- Allison C-4
- CAT ECF-1-a
- Cummins CES 20071/-72/-75/-76/-77/-78
- Deutz DQC III-05
- Mack EO-M PLUS/EO-N
- MAN M 3275
- MB 229.1
- MTU Type 2
- Renault RLD-2
- Volvo VDS-3

### Advantages

- First-class economy grade for multi-functional use in different brands of diesel and Otto engines
- Suitable for both passenger cars and commercial vehicles, as well as agricultural and construction machinery
- It combines the specifications of European, American and Japanese manufacturers
- Eminently suitable for turbocharged engines
- Prevention of adhesion, lacquering and coking of cylinders, pistons, valves and turbochargers in a reliable manner
- Suitable for operation throughout the year
- Stable lubricating film, even with hot oil and under excessive loads, and the best wear protection
- Extremely stable to shear stress - 'Stay-in-grade'
- Low oil consumption and increased oxidation protection
- Miscible and compatible with conventional and synthetic engine oils. However, in order to exploit the full product benefits of HIGHTEC TURBO HD SAE 20W-50 PLUS, 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               | 0.881      |
| Kinematic viscosity KV 100 | ASTM D-7042                 | mm <sup>2</sup> /s | 19         |
| Kinematic viscosity KV 40  | ASTM D-7042                 | mm <sup>2</sup> /s | 158        |
| Viscosity index            | ASTM D2270                  | -                  | 141        |
| Flash point                | ASTM D-92 / DIN EN ISO 2592 | °C                 | 250        |
| Pour point                 | ASTM D-97 / DIN EN ISO 3016 | °C                 | -24        |
| CCS                        | ASTM D-5293                 | cP @ °C            | 5400 @ -15 |
| Total base number          | DIN 51639-1                 | mgKOH/g            | 10,2       |

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)).

