

Product information

PI 24/16/05/2019



Touring High Tech Super SHPD-Motor Oil 15W-40 TBN20

Description

Modern multigrade motor oil is made from high-quality base oils and the latest additive technology. Guarantees the ultimate in performance reserves as well as outstanding wear protection with extremely long oil change intervals and poor quality fuels.

Properties

- extremely long oil change intervals
- outstanding detergent and dispersant properties
- tested for catalytic converters
- prevents "bore polishing"
- suitable for all diesel engines.
- stable to ageing and stable viscosity
- excellent wear resistance

Specifications and approvals:

ACEA E7 • ACEA A3 • ACEA B4 • API CI-4 • API SL

LIQUI MOLY also recommends this product for vehicles or assemblies for which the following specifications or original part numbers are required:

Allison C4 • Caterpillar ECF-1-a • Caterpillar ECF-2 • Cummins CES 20076 • Cummins CES 20077 • Cummins CES 20078 • Detroit Diesel DDC 93K215 • Deutz DQC III-10 • JASO DH-1 • John Deere JDQ 78A • MAN M 3275-1 • MB 228.3 • MTU Typ 2 • Mack EO-M Plus • Renault Trucks RLD-2 • Volvo VDS-3

Technical data

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|--------------------------|---|
| SAE class (engine oils) | 15W-40 SAE J300 |
| Density at 15 °C | 0,880 g/cm ³ DIN 51757 |
| Viscosity at 40 °C | 102 mm ² /s ASTM D 7042-04 |
| Viscosity at 100 °C | 14,0 mm ² /s ASTM D 7042-04 |
| Viscosity at -25°C (MRV) | < 60000 mPas ASTM D4684 |
| Viscosity at -20°C (CCS) | <= 7000 mPas ASTM D5293 |
| Viscosity index | 139 DIN ISO 2909 |
| HTHS at 150°C | >= 3,5 mPas ASTM D5481 |
| Pour point | -39 °C DIN ISO 3016 |



Technical data

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|--------------------------|-------------------------------|
| Evaporation loss (Noack) | 10,5 % CEC-L-40-A-93 |
| Flash point | 220 °C DIN ISO 2592 |
| Total base number | 20,0 mg KOH/g DIN ISO 3771 |
| Sulfate ash | 2,7 g/100g DIN 51575 |
| Color number (ASTM) | L5,0 DIN ISO 2049 |

Areas of application

Suitable for universal use but especially for modern diesel engines. Also for mixed vehicle fleets. Tested on engines with catalytic converters and ideal for vehicles with and without exhaust gas turbocharger as well as with poor quality fuels with high sulfur content.

Application

Note the vehicle and engine manufacturers' operating instructions. Can be mixed with all commercially-available motor oils. Full effectiveness only when used unmixed.

Available pack sizes

| | |
|------------------------|--------------|
| 20 l Canister plastic | 3175 D-GB |
| 205 l Drum sheet metal | 8863 D-GB |

Our information is based on thorough research and may be considered reliable, although not legally binding.