

# Product information

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## 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

SAE class (engine oils)	15W-40 SAE J300
Density at 15 °C	0,885 g/cm <sup>3</sup> DIN 51757
Viscosity at 40 °C	102 mm <sup>2</sup> /s ASTM D 7042-04
Viscosity at 100 °C	14,0 mm <sup>2</sup> /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

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.**