Product information

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Touring High Tech Super SHPD SAE 15W-40

Description

State-of-the-art multigrade motor oil developed for mixed fleet operations. High quality base oils and the latest additive technology ensure the ultimate in performance reserves and outstanding anti-wear properties over extremely long intervals between oil changes. Tested on engines with catalytic converters and ideal for vehicles with and without turbochargers.

Properties

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

Specifications / Approvals

ACEA E7, A3/B4 • API CI-4 • API SL • Allison C4 • Deutz DQC III-18 • DTFR 15B110 (228.3) • Global DHD-1 • JASO DH-1 • Mack EO-N • Renault Trucks RLD-2 • Volvo VDS-3

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

Caterpillar ECF-1-a • Caterpillar ECF-2 • Cummins CES 20076 • Cummins CES 20077 • Cummins CES 20078 • Deutz DQC III-10 • John Deere JDQ 78A • Mack EO-M Plus • MAN M 3275-1 • MB 229.1 • MTU Typ 2 • Renault Trucks RLD

Technical data

SAE class (engine oils)	15W-40 SAE J300
Density at 59 °F	0,875 g/cm³ DIN 51757
Viscosity at 104 °F	105,0 mm²/s ASTM D7042
Viscosity at 212°F	14,5 mm²/s ASTM D7042
Viscosity at -13 °F (MRV)	< 60000 mPas ASTM D4684
Viscosity at -4 °F (CCS)	<= 7000 mPas ASTM D5293
Viscosity index	145 DIN ISO 2909
HTHS at 302 °F	>= 3,7 mPas ASTM D5481
Pour point	-32 °F DIN ISO 3016

Technical data

Evaporation loss (Noack)	9,0 % CEC-L-40-A-93
Flash point	446 °F DIN ISO 2592
Total base number	10,5 mg KOH/g DIN ISO 3771
Sulfate ash	1,0 - 1,6 g/100g DIN 51575
Color number (ASTM)	L 3,5 DIN ISO 2049

Areas of application

Suitable for universal use in modern diesel engines in mixed fleets.

Application

The operating instructions of the vehicle and engine manufacturers must be followed. Miscible with all commercially available engine oils but the highest performance is achieved when used alone.

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

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