

## Long-life engine oil Truck FE 5W-30

### Description

The long-life engine oil Truck FE 5W-30 is an all-year engine oil based on synthesis technology that has been specially tailored to commercial vehicle engines (Euro II and Euro III) with very long oil change intervals of up to 120,000 km. By using selected basic oils in the viscosity class SAE 5W-30, excellent low-friction characteristics are achieved which leads to significantly reduced fuel consumption. The use of state-of-the-art additive technology guarantees optimal wearing protection, which corresponds to and fulfils the highest demands of modern commercial diesel motor vehicles Recommended usage is for diesel engines only.

### Properties

- excellent resistance to aging
- outstanding detergent and dispersant properties
- excellent cold-start behavior
- reduces fuel consumption
- high wear resistance
- wide operating temperature range
- miscible with all commercially available motor oils
- outstanding shear resistance
- prevents the build-up of deposits
- outstanding oil film strength
- prevents "bore polishing"
- excellent viscosity/temperature properties
- keeps the charge air cooler extremely clean

### Specifications / Approvals

ACEA E4 • ACEA E7 • API CF • Deutz DQC IV-18 • Mack EO-N • MAN M 3277 • MB-Approval 228.5 • Renault Trucks RLD-2 • Scania LDF-3 • 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-2 • DAF HP1 • DAF HP2 • Deutz DQC IV-10 • Ford WSS-M2C 212-A1 • IVECO 18-1804 TFE • Mack EO-M Plus • MTU Typ 3 • Renault Trucks RLD • Renault Trucks RXD

### Technical data

SAE class (engine oils)	5W-30 SAE J300
Density at 15 °C	0,86 g/cm <sup>3</sup> DIN 51757
Viscosity at 40 °C	70 mm <sup>2</sup> /s ASTM D 7042-04
Viscosity at 100 °C	12 mm <sup>2</sup> /s ASTM D 7042-04



### Technical data

Viscosity at -35 °C (MRV)	< 60000 mPas ASTM D4684
Viscosity at -30 °C (CCS)	<= 6600 mPas ASTM D5293
Viscosity index	169 DIN ISO 2909
HTHS at 150°C	>= 3,5 mPas ASTM D5481
Pour point	-48 °C DIN ISO 3016
Evaporation loss (Noack)	12 % CEC-L-40-A-93
Flash point	224 °C DIN ISO 2592
Total base number	15,4 mg KOH/g DIN ISO 3771
Sulfate ash	<= 2,0 g/100g DIN 51575
Color number (ASTM)	L4,0 DIN ISO 2049

### Areas of application

Specially developed for diesel engines in commercial vehicles under extreme loads with optimised state-of-the-art emission levels (Euro II and Euro III) and very long oil change intervals.

### Application

The operating regulations of the vehicle and engine manufacturers must be followed for normal and extended oil change intervals. Recommended usage is for diesel engines only.

### Available pack sizes

20 l Canister plastic	2383 D-GB
60 l Black plate barrel	2311 D-GB
205 l Black plate barrel	2384 D-GB

## Product information

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