# Product information

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




## Description

Year-round motor oil based on synthetic technology. Specifically formulated for commercial vehicle engines (Euro II and Euro III) with oil change intervals of up to 120,000 km. Carefully selected base oils give this SAE 5W-30 motor oil excellent low-friction properties. Innovative additive technology guarantees optimal wear protection and meets even the most demanding requirements of modern commercial diesel vehicles.

## Properties

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

## 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 recommends this product for vehicles or assemblies for which the following specifications or original spare 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<br>SAE J300 |
| Density at 15 °C | 0,86 g/cm³<br>DIN 51757 |
| Viscosity at 40 °C | 70 mm²/s<br>ASTM D 7042-04 |
| Viscosity at 100 °C | 12 mm²/s<br>ASTM D 7042-04 |
| Viscosity at -35 °C (MRV) | < 60000 mPas<br>ASTM D4684 |
| Viscosity at -30 °C (CCS) | <= 6600 mPas<br>ASTM D5293 |
| Viscosity index | 169<br>DIN ISO 2909 |

## Technical data

| | |
|---|---|
| HTHS at 150°C | >= 3,5 mPas<br>ASTM D5481 |
| Pour point | -48 °C<br>DIN ISO 3016 |
| Evaporation loss (Noack) | 12 %<br>CEC-L-40-A-93 |
| Flash point | 224 °C<br>DIN ISO 2592 |
| Total base number | 15,4 mg KOH/g<br>DIN ISO 3771 |
| Sulfate ash | <= 2,0 g/100g<br>DIN 51575 |
| Color number (ASTM) | L4,0<br>DIN ISO 2049 |

## Areas of application

For heavy-duty, emissions-optimized commercial vehicle diesel engines (Euro II and Euro III) with extremely long oil change intervals.

## Application

The specifications and instructions from the assembly or vehicle manufacturer must be followed. Recommendations for use for diesel engines only.

## Available pack sizes

| | |
|---|---|
| 20 l Canister plastic | 2383<br>DE-EN-ES-FR-IT-PT |
| 205 l Black plate barrel | 2384<br>DE-EN-ES-FR-IT-PT |

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

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