

## Top Tec Truck 4650 10W-30

### Description

All season motor oil based on synthetic technology and high-quality additive components. This high-tech motor oil enables an extremely broad range of applications and meets the requirements of commercial vehicle manufacturers around the world. Guarantees an outstanding wear protection as well as high lubricating film stability under all operating conditions. The excellent shear stability and stability to aging allow for long oil change intervals. The low viscosity enables a considerable reduction of the fuel consumption.

### Properties

- excellent wear resistance
- enables a multifaceted range of applications
- guarantees low fuel consumption
- outstanding detergent and dispersant properties
- low residue formation
- outstanding engine cleanliness
- high shear stability
- miscible with all commercially available motor oils

### Specifications / Approvals

ACEA E7, E9, E11 • API CK-4 • Ford WSS-M2C 171-F1  
• JASO DH-2 • Mack EOS-4.5 • MB-Approval 228.31 • Renault Trucks RLD-3 • Volvo VDS-4.5

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

Caterpillar ECF-3 • Chrysler MS-10902 • Cummins CES 20081 • Cummins CES 20086 • DAF PSQL 2.1 E • Detroit Diesel DFS 93K222 • Deutz DQC III-10 LA • Deutz DQC III-18 LA • MAN M 3775 • MTU Typ 2.1

### Technical data

SAE class (engine oils)	10W-30 SAE J300
Density at 15 °C	0,870 g/cm <sup>3</sup> DIN 51757
Viscosity at 40 °C	80,0 mm <sup>2</sup> /s ASTM D7042
Viscosity at 100 °C	11,6 mm <sup>2</sup> /s ASTM D7042
Viscosity at -30 °C (MRV)	< 60000 mPas ASTM D4684
Viscosity at -25 °C (CCS)	<= 7000 mPas ASTM D5293
Viscosity index	140 DIN ISO 2909
HTHS at 150°C	>= 3,5 mPas ASTM D5481



### Technical data

Pour point	-39 °C DIN ISO 3016
Evaporation loss (Noack)	10,2 % CEC-L-40-A-93
Flash point	220 °C DIN ISO 2592
Total base number	9,7 mg KOH/g DIN ISO 3771
Sulfate ash	<= 1,0 g/100g DIN 51575
Color number (ASTM)	L 3,0 DIN ISO 2049

### Areas of application

Only suitable for diesel engines. Specially designed for high-load commercial vehicle diesel engines in compliance with the Euro IV, Euro V and Euro VI emissions standard with exhaust aftertreatment system and soot particle filter (DPF/CRT). Depending on the manufacturer's specifications, it can also sometimes be used in older commercial vehicles in compliance with the Euro II or Euro III emissions standard.

### Application

For normal and extended intervals between oil changes, the operating instructions of the commercial vehicle and engine manufacturers must be followed.

### Available pack sizes

20 l Canister plastic	21263 D-GB
60 l Black plate barrel	21264 D-GB
205 l Black plate barrel	21265 D-GB

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