Product information
Formula Super 20W-50

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Description

Year-round, high-performance multigrade motor oil suitable for efficient use in a mixed vehicle fleet. This optimum combination of selected agents and outstanding base oils is suitable for both diesel engines and gasoline engines.

Properties

- prevents black sludge
- high shear stability
- miscible with all commercially available motor oils
- very good dispersion properties
- tested for the use with catalytic converters
- low evaporation loss
- high wear resistance
- suitable for gasoline and diesel engines with and without exhaust-gas turbocharging
- optimum stability to aging
- good cleaning action
- outstanding oil film strength

Specifications / Approvals

ACEA A3/B4, E2 • API SL • Allison C4 • MIL-L 2104 E

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

Caterpillar TO-2 • MAN 271 • MB 228.3

Technical data

SAE class (engine oils)	20W-50 SAE J300
Density at 15 °C	0,880 g/cm³ DIN 51757
Viscosity at 40 °C	165,0 mm²/s ASTM D 7042-04
Viscosity at 100 °C	18,5 mm²/s ASTM D 7042-04
Viscosity at -20 °C (MRV)	< 60000 mPas ASTM D4684
Viscosity at -15 °C (CCS)	⩽ 9500 mPas ASTM D5293
Viscosity index	125 DIN ISO 2909
HTHS at 150°C	⩾ 3,7 mPas ASTM D5481
Pour point	-30 °C DIN ISO 3016
Evaporation loss (Noack)	7,2 % CEC-L-40-A-93

Technical data

Flash point	230 °C DIN ISO 2592
Total base number	10,2 mg KOH/g DIN ISO 3771
Sulfate ash	1,0 - 1,6 g/100g DIN 51575
Color number (ASTM)	L5,5 DIN ISO 2049

Areas of application

Universal motor oil for gasoline and diesel engines (aspirated diesel engines and diesel engines with exhaust gas turbocharging, with and without charge air cooler). Especially suitable where there are long intervals between oil changes and extreme operating conditions.

Application

The operating instructions of the vehicle and transmission manufacturers must be followed.

Available pack sizes

1 l Canister plastic	2386 D-GB-F-ARAB
1 l Canister plastic	21181 BOOKLET
4 l Canister plastic	2387 D-GB-F-ARAB
4 l Canister plastic	21182 BOOKLET
5 l Canister plastic	21183 BOOKLET
20 l Canister plastic	1452 D-GB
205 l Black plate barrel	1449 D-GB

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

LIQUI MOLY GmbH
Jerg-Wieland-Str. 4
89081 Ulm-Lehr

Phone: +49 (0)731/1420-0
Fax: +49 (0)731/1420-82
e-mail: info@liqui-moly.de

Technical hotline: +49 (0)731/1420-871
www.liqui-moly.com