

Product information

Formula Super 20W-50

PI 34/27/05/2019



Description

High-performance, multi-purpose motor oil designed to be used as an all season motor oil 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 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
- oil film strength

Specifications and approvals:

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

LIQUI MOLY also recommends this product for vehicles or assemblies for which the following specifications or original 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/cm ³ DIN 51757
Viscosity at 40 °C	153 mm ² /s ASTM D 7042-04
Viscosity at 100 °C	18,1 mm ² /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	132 DIN ISO 2909
HTHS at 150°C	>= 3,7 mPas ASTM D5481
Pour point	-30 °C DIN ISO 3016



Technical data

Evaporation loss (Noack)	7,2 % CEC-L-40-A-93
Flash point	240 °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	1444 D
1 l Canister plastic	9518 D-GB-F-ARAB
1 l Canister plastic	2463 D-NL-F-GR-ARAB
1 l Canister plastic	2386 D-GB-F-ARAB
4 l Canister plastic	9519 D-GB-F-ARAB
4 l Canister plastic	2387 D-GB-F-ARAB
5 l Canister plastic	1445 D
5 l Canister plastic	2464 D-NL-F-GR-ARAB

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Available pack sizes

5 l Canister plastic	9520
	D-GB-F-ARAB
20 l Canister plastic	1452
	D-GB
205 l Drum sheet metal	1449
	D-GB

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