

# Product Information

## AVENO Mineral Extra 20W-50

0002-000311



### Description

AVENO Mineral Extra 20W-50 is a mineral multi-grade engine oil for petrol and diesel car engines with or without turbocharging and commercial vehicle engines. Facilitates extended oil change intervals as per manufacturer's instructions. AVENO Mineral Extra 20W-50 is characterized by its good cold starting properties, minimization of fuel consumption, friction and wear. With AVENO Mineral Extra 20W-50, a reliable and heavy-duty engine oil has been developed.

### Instructions for use

AVENO Mineral Extra 20W-50 is an engine oil for year-round use, and is suitable for petrol and diesel car engines and commercial vehicle engines. AVENO Mineral Extra 20W-50 can be used in engines with the specifications indicated. The operating instructions of the automobile and engine manufacturer must be observed.

### Quality classification

#### Specification

- ACEA A2/B2
- API SF/CD
- CCMC G4/D4/PD2
- MIL-L-2104 D
- MIL-L-46152 B

### Recommendation

- MB 227.1

### Properties

- Good cold starting properties, even at low temperatures
- Good detergent and dispersing properties
- Extensive protection against wear, corrosion and foaming
- A very good shear stability
- A high oxidation stability
- A stable and excellent viscosity behavior
- Neutrality towards sealants
- Suitable for catalytic converters
- Prevention of black sludge formation

### Technical specifications

Properties	Data	Unit	Testing under
Kinematic Viscosity at 40°C	169,1	mm <sup>2</sup> /s	DIN 51659-2:2017-02
Kinematic Viscosity at 100°C	18,6	mm <sup>2</sup> /s	DIN 51659-2:2017-02
Viscosity Index	123		DIN ISO 2909:2004-08
Appearance	YELLOWBROWN		VISUELL
Viscosity CCS at -15°C	7970	mpa*s	ASTM D 5293:2020
Density at 15°C	888	kg/m <sup>3</sup>	DIN EN ISO 12185:1997-11
Pour Point	-30	°C	ASTM D 7346:2015
Total Base Number (TBN)	7,5	mgkoh/g	ASTM D 2896:2015