



## **AVENO WIV-Multi LL 5W-30**

AVENO WIV-Multi LL 5W-30 is a synthetic, high performance engine oil for gasoline and diesel engines with or without turbocharging and direct injection. It minimizes friction, thus the wear of cooperating parts as well as fuel consumption. It has excellent cold start properties. Extended oil change intervals according to manufacturer's instructions. AVENO WIV-Multi LL 5W-30 extends the service life of the diesel particulate filter by reducing the concentration of ash-forming particles in the exhaust gas. It reduces the release of harmful emissions into the environment. It offers increased safety with consistently high engine protection. It achieves a high viscosity index through formulation with specially selected base oils.

## **Instructions for use**

AVENO WIV-Multi LL 5W-30 is an energy-saving engine oil for year-round use, ideal for use in modern petrol and diesel engines. Suitable for extended drain intervals, it extends the life of the particulate filter. Follow the vehicle and engine manufacturer's operating instructions.

## **Quality classification**

### **Specification**

- ACEA C3
- API SN

### **Approval**

- BMW Longlife-04
- VW 504 00/507 00
- MB-Approval 229.51

### **Recommendation**

- Porsche C30
- Fiat 9.55535-S3
- MB 229.31

# Properties

- Saves fuel in any operating mode.
- Safe lubricant layer at high operating temperatures.
- Neutrality towards sealants.
- Low evaporation and therefore low oil consumption.
- Suitable for catalysts.
- Excellent cold start properties, even at temperatures below -25°C.
- Very stable and excellent viscosity retention and shear stability.
- Excellent protection against wear, corrosion and foaming.
- Extended drain intervals conserve natural resources.

## Technical Specifications

Properties	Value	Unit	Testing method
Kinematic viscosity at 40°C	69.8	mm²/s	DIN 51659-02:2017-02
Kinematic viscosity at 100°C	12.1	mm²/s	DIN 51659-02:2017-02
Viscosity index	172		ISO 2909:2004-08
Appearance	YELLOW-BROWN		VISUAL
CCS viscosity at -30°C	5015	mpa*s	ASTM D 5293:2020
Density at 15°C	850	kg/m³	DIN EN ISO 12185:1997-11
Pour point	-45	°C	ASTM D 7346:2015
Total Base Number (TBN)	8.0	Mg koh/g	ASTM D 2896:2015