

# Product information

## PRO-ENGINE M500 5W-30

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### Description

Modern motor oil for gasoline and diesel engines with and without diesel particulate filter (DPF) and exhaust gas turbocharging. The combination of unconventional basic oils using synthetic technology, together with the latest additive technology, guarantee a motor oil that provides exceptional protection against wear and reduces oil and fuel consumption, while ensuring that the engine is immediately supplied with oil.

### Properties

- saves fuel and reduces pollutant emissions
- tested for turbocharger
- suitable for use of gas-powered vehicles (CNG/LPG)
- for vehicles with pumped-jet technology
- excellent shear stability
- smooth engine running
- optimum stability to aging
- tested for particulate filters and catalytic converters
- optimum oil pressure under all operating conditions
- long engine service life
- excellent wear resistance
- outstanding engine cleanliness
- optimum lubrication in extreme operating conditions
- excellent low temperature behavior
- optimum effectiveness when the product is used unmixed

### Specifications and approvals:

ACEA C2 • ACEA C3 • API SN • BMW Longlife-04 • MB-Approval 229.51 • MB-Approval 229.52 • Opel OV0401547 (only for diesel engines) • VW 505 00 • VW 505 01

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

Fiat 9.55535-S3 • Ford WSS-M2C 917-A • GM dexos2 • MB 229.31 • Opel GM-LL-A-025 • Opel GM-LL-B-025

### Technical data

SAE class (engine oils)	5W-30 SAE J300
Density at 15 °C	0,850 g/cm <sup>3</sup> DIN 51757
Viscosity at 40 °C	68,9 mm <sup>2</sup> /s ASTM D 7042-04
Viscosity at 100 °C	12,0 mm <sup>2</sup> /s ASTM D 7042-04

### Technical data

Viscosity at -35 °C (MRV)	< 60000 mPas ASTM D4684
Viscosity at -30°C (CCS)	≥ 6600 mPas ASTM D5293
Viscosity index	172 DIN ISO 2909
HTHS at 150°C	≥ 3,5 mPas ASTM D5481
Pour point	-39 °C DIN ISO 3016
Evaporation loss (Noack)	10,0 % CEC-L-40-A-93
Flash point	230 °C DIN ISO 2592
Total base number	7,4 mg KOH/g DIN ISO 3771
Sulfate ash	≤ 0,8 g/100g DIN 51575
Color number (ASTM)	2,5 DIN ISO 2049

### Areas of application

Optimum for modern gasoline and diesel engines with multi-valve technology, Valvetronic and turbo charging (with or without charge air cooling). Especially suitable where there are long intervals between oil changes and heavy duty engine requirements. Also suitable for gas-powered vehicles (CNG/LPG). Tested safe with catalytic converters and turbochargers.

### Application

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

**Full effectiveness can only be ensured when the product is not mixed!**

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