



MOTOR OIL

20W-50

Product Description:

MOTOR OIL 20W-50 is a universal high performance engine oil for use in gasoline- and diesel engines of passenger car and light vans with or without turbocharger. This product is unsuitable for diesel engines equipped with a Diesel Particulate Filter (DPF).

MOTOR OIL 20W-50 is formulated with high quality hydro-treated mineral base stocks in combination with a special additive technology to achieve the following performance:

- Very good low temperature properties.
- Protection to wear by cold start.
- Very high thermal- and oxidation stability.
- Excellent resistance against foaming, corrosion and wear.
- High dispersancy and detergency level.
- High viscosity index.

MOTOR OIL 20W-50 exceeds the following performance criteria:

API SP ACEA A3/B4 VW 501.01/505.00



| Property | Unit | Test Method | Typical Value |
|---------------------------|--------------------|-------------|---------------|
| SAE Grade | | SAE J300 | 20W-50 |
| Density@15°C | kg/m ³ | ASTM D4052 | 857.7 |
| Kin. Viscosity @40°C | mm ² /s | ASTM D7042 | 126.9 |
| Kin. Viscosity @100°C | mm ² /s | ASTM D7042 | 18.1 |
| Viscosity Index | | ASTM D2270 | 160 |
| Viscosity CCS @-15°C, max | cP | ASTM D5293 | 2600 |
| Flash Point COC | °C | ASTM D92 | >215 |
| Pour Point | °C | ASTM D7346 | -36 |
| Total Base Number | mgKOH/g | ASTM D2896 | 11.2 |
| Sulphated Ash | %Wt | ASTM D874 | 1.3 |

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