



# 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** meets 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 <sup>3</sup>	ASTM D4052	871
Kin. Viscosity @40°C	mm <sup>2</sup> /s	ASTM D7042	143
Kin. Viscosity @100°C	mm <sup>2</sup> /s	ASTM D7042	18.5
Viscosity Index		ASTM D2270	146
Viscosity CCS @-15°C, max	cP	ASTM D5293	3830
Flash Point COC	°C	ASTM D92	>215
Pour Point	°C	ASTM D7346	-35
Total Base Number	mgKOH/g	ASTM D2896	10.6
Sulphated Ash	%Wt	ASTM D874	1.31

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