



**Product Data Sheet**

**MOTOR OIL SM 5W-40**

**Product Description:**

**MOTOR OIL SM 5W-40** is an universal high performance fuel saving oil based on 100% synthetic technology 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 Particle Filter (DPF).

**MOTOR OIL SM 5W-40** is formulated with high quality synthetic base stocks in combination with an unique 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 SM 5W-40** exceeds the following performance criteria:

Approved	MB-Approval 229.3	BMW LL-01	VW 502.00 / 505.00
Exceeds	API SN/CF GM-LL-B025	ACEA A3/B4 PSA B 71 2296	Renault RN 0700/0710 Porsche A40

Properties	Unit	Test Method	Typical Value
SAE Grade		SAE J3000	5W-40
Density@15°C	kg/m <sup>3</sup>	ASTM D4052	855
Kin. Viscosity @40°C	mm <sup>2</sup> /s	ASTM D7042	86
Kin. Viscosity @100°C	mm <sup>2</sup> /s	ASTM D7042	14.1
Viscosity Index		ASTM D2270	171
Viscosity CCS @-30°C, max	cP	ASTM D2270	6600
Flash Point COC	°C	ASTM D92	>201
Pour Point	°C	ASTM D7346	-36
Total Base Number	mgKOH/g	ASTM D2896	9.6
Sulphated Ash	%Wt	ASTM D874	1.16

Product Nr: 4204	Date Issued: 16-03-2015	Date Superseded: 24-08-2012	Revision nr: 4
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