



## Motor Oil LL-III 5W-30

Product Code: 78180

Fully Synthetic MID SAPS Passenger Car Motor Oil

**Motor Oil LL-III 5W-30** is a high performance fuel saving MID SAPS long life oil based on 100% synthetic technology for use in gasoline- and diesel engines of passenger cars and light vans where a VAG norm 504.00/507.00 has been prescribed and also suitable for vehicles where MB 229.51 and BMW LL-04 are required.

**Remark: not suitable for R5- and V10 TDI engines and engines where VAG norm VW 506.01 is being advised.**

**Motor Oil LL-III 5W-30** 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.
- Extended oil drain interval.
- Also suitable for engines equipped with other catalyst like TWC.

**Motor Oil LL-III 5W-30** meets the following performance criteria:

ACEA C3	VW 504.00/507.00	MB 229.52	MB 229.51
API SP	BMW LL-04 (until 2019)		

### Typical Analysis

Properties	Unit	Method	Typical Value
SAE Grade		SAE J300	5W-30
Density @15°C	kg/m <sup>3</sup>	ASTM D4052	851.7
Kin. Viscosity @40°C	mm <sup>2</sup> /s	ASTM D7042	73.2
Kin. Viscosity @100°C	mm <sup>2</sup> /s	ASTM D7042	12.2
Viscosity Index		ASTM D2270	164
Viscosity CCS @-30°C	cP	ASTM D5293	6270
Flash Point COC	°C	ASTM D92	>201
Pour Point	°C	ASTM D7346	-36
Total Base Number	mgKOH/g	ASTM D2896	9.3
Sulphated Ash	%Wt	ASTM D874	0.79

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