Product Data Sheet

# MOTOR OIL LE
# 5W-40

**Product Description:**

**MOTOR OIL LE 5W-40** is a high performance fuel saving MID SAPS engine oil based on 100% synthetic technology for use in the latest generation gasoline and diesel engines of passenger car and light vans with or without turbocharger. **MOTOR OIL LE 5W-40** is developed for use in engine which are equipped with or without an exhaust gas after treatment system.

**MOTOR OIL LE 5W-40** is based on high performance 100% synthetic base oil in combination with a specially selected additive technology to ensure the following properties:

- Good thermal and oxidation stability.
- MID SAPS technology.
- Good protection against wear, foam and corrosion.
- Low temperature properties, to ensure a smooth cold start.
- Equipped for diesel engines with an exhaust after treatment system.
- Fuel saving properties.

**MOTOR OIL LE 5W-40** meets the following performance criteria:

| | | | |
|---|---|---|---|
| **Approved** | **MB-Approval 229.51** | | **MB-Approval 229.52(pending)** |
| | **VW 511.00** | | **BMW LL-04(pending)** |
| | **Porsche C40(pending)** | | |
| **Meets** | **API SN/CF** | **ACEA C3** | **Renault RN 0700/0710** |
| | **Dexos 2** | **Ford M2C917A** | **MB 226.5** |
| | **MB 229.31** | | |

| Property | Unit | Test Method | Typical Value |
|---|---|---|---|
| SAE Grade | | SAE J300 | 5W-40 |
| Density@15°C | kg/m$^3$ | ASTM D4052 | 851 |
| Kin. Viscosity @40°C | mm$^2$/s | ASTM D7042 | 83.3 |
| Kin. Viscosity @100°C | mm$^2$/s | ASTM D7042 | 14.1 |
| Viscosity Index | | ASTM D2270 | 175.3 |
| Viscosity CCS @-30°C, max | cP | ASTM D5293 | 5189 |
| Flash Point COC | °C | ASTM D92 | >201 |
| Pour Point | °C | ASTM D7346 | -38 |
| Total Base Number | mgKOH/g | ASTM D2896 | 7.9 |
| Sulpated Ash | %Wt | ASTM D874 | 0.8 |

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**Date Superseded:** 18-01-2021
**Revision nr:** 10

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