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Technical Data Sheet

NORDIC O54001 **5W-40**

Fully Synthetic Engine Oil

ACEA C3

API SN/CF

Product Description

NORDIC 5W-40 engine oil is formulated to meet the stringent requirements of ACEA C3 and API SN/CF, providing superior performance and protection for both gasoline and diesel engines. This high-quality fully synthetic lubricant is designed to deliver enhanced wear protection and thermal stability, making it suitable for a wide range of driving conditions.
It is compatible with vehicles requiring Mercedes-Benz MB 229.31 and 229.51 specifications, ensuring its reliability for high-performance engines. Additionally, it meets BMW LL-04, Volkswagen VW 505.00 & 505.01, Fiat 9.55535-H2 & 9.55535-S2, Ford WSS-M2C917-A, and Opel OV0401547-D40 standards, making it a versatile choice for modern vehicles. This oil formulation not only promotes engine cleanliness but also aids in optimising fuel efficiency.

Applications

Recommended for:

- Passenger cars and light commercial vehicles
- Turbocharged and naturally aspirated gasoline and diesel engines
- Engines equipped with after-treatment devices such as DPF and TWC
- Vehicles requiring low-SAPS ACEA C3-compliant lubricants

⚠ Always check the vehicle owners manual for the correct oil specification before use.

Performance Benefits

- ☑ **High Oxidation & Thermal Stability:** Enhances oil longevity and engine durability
- ☑ **Fuel Economy & Clean Emission:** Reduces engine friction and contributes to lower CO_2 emissions
- ☑ **Engine Cleanliness:** Minimises sludge and deposit formation
- ☑ **Wear Protection:** Provides high film strength and protects against engine wear
- ☑ **Wide Operating Range:** Excellent low-temperature fluidity and high-temperature stability

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Specifications

NORDIC 5W-40 meets or exceeds the requirements of Industry Standards / Suitable for:

- **ACEA:** C3
- **API:** SN/CF
- **Mercedes-Benz MB:** 229.31 & 229.51
- **BMW:** LL-04
- **Volkswagen VW:** 505.00 & 505.01
- **Fiat:** 9.55535-H2 & 9.55535-S2
- **Ford:** WSS-M2C917-A
- **Opel:** OV0401547-D40

Typical Properties

Property	Method	Minimum	Typical	Maximum
Kinematic Viscosity @ 40°C (mm^2/s)	ASTM D445	80.0	87.5	95.0
Kinematic Viscosity @ 100°C (mm^2/s)	ASTM D445	13.50	14.15	14.80
Viscosity Index	ASTM D2270	155	166	182
Total Base Number (TBN), mg KOH/g	ASTM D2896	8.0	9.2	10.5
Flash Point (°C)	ASTM D97	225°C	215°C	235°C
Pour Point (°C)	ASTM D93	-42°C	-39°C	-36°C

01.10.2026

Typical values are not specifications and may vary within production tolerances.

User Advice

- Use only in vehicles requiring oils that meet ACEA C3 and API SN/CF
- Do not mix with non-compatible lubricants
- Check oil levels regularly and follow recommended drain intervals

⚠ Always verify vehicle compatibility before use

Storage, Handling & Environmental Advice

- **Storage:** Store upright in a cool, dry place below 60°C. Avoid direct sunlight and freezing conditions.
- **Handling:** Avoid contamination with other fluids. Always reseal containers after use.
- **Environmental Precautions:** Dispose of used oil and packaging in accordance with local environmental regulations.

Health and Safety

- **NORDIC Oil** presents no significant risk to health or the environment when used properly. Refer to the Safety Data Sheet (SDS) for full safety, handling, and environmental information.