

# NORDIC O02003 0W-20

*Fully Synthetic Engine Oil*

ACEA C5 & C6

API SP,SP-RC

ILSAC GF-6A

## Product Description

NORDIC 0W-20 engine oil is a high-performance fully synthetic lubricant engineered to meet a wide array of demanding specifications, including ACEA C5 & C6, API SP & SP-RC, and ILSAC GF-6A. It is compatible with various prestigious automotive standards such as Mercedes-Benz MB 229.71 & 229.72, BMW LL-17 FE+ & LL-14 FE+, and Jaguar Land Rover STJLR .51.5122 & .03.5006, ensuring optimal performance across a diverse range of vehicles.

This advanced formulation is designed to enhance fuel efficiency while delivering exceptional protection against wear and deposits, making it suitable for both gasoline and diesel engines. Additionally, NORDIC 0W-20 meets the requirements set by Volvo (VCC RBS0-2AE), Fiat (9.55535-DSX & 9.55535-GSX), Ford (WSS-M2C947-B1, WSS-M2C962-A1, WSS-M2C952-A1 & WSS-M2C954-A1), Opel (OV0401547), and Chrysler (MS-12145), providing drivers with confidence in performance and longevity. Choose NORDIC 0W-20 for a versatile engine oil solution that prioritises both efficiency and engine health.

## Applications

Recommended for modern European, Japanese, and Korean gasoline or diesel vehicles (including turbo-charged and direct-injection engines), particularly where SAE 0W-20 oils meeting ACEA C5/C6 or API SP standards are specified.

### Also suitable for:

- Hybrid Electric Vehicles (HEV)
- Plug-in Hybrid Electric Vehicles (PHEV)
- Vehicles with start-stop technology or exhaust after-treatment systems

## Performance Benefits

- ✓ **Fuel Economy & CO2 Reduction:** Ultra-low viscosity formulation ensures optimal fuel efficiency and reduced emissions.
- ✓ **LSPI & Wear Protection:** Advanced additive system prevents low-speed pre-ignition and reduces engine wear, extending engine life.
- ✓ **Cold Start Performance:** Excellent oil fluidity enables rapid circulation and reliable protection at sub-zero temperatures.
- ✓ **Turbocharger Compatibility:** Maintains strong oil film under extreme operating conditions.
- ✓ **After Treatment Safe:** Protects emission control systems, including GPF, DPF, and catalytic converters.

## Specifications

NORDIC 0W-20 meets or exceeds the requirements of Industry Standards / Suitable for:

- ACEA: C5, C6
- API: SP, SP-RC
- ILSAC: GF-6A
- Mercedes-Benz: MB 229.71 / 229.72
- BMW: LL-17 FE+ & LL-14 FE+
- Jaguar Land Rover: STJLR.51.5122 / STJLR.03.5006
- Volvo: VCC RBS0-2AE
- Fiat: 9.55535-DSX & 9.55535-GSX
- Ford: WSS-M2C947-B1, WSS-M2C962-A1, WSS-M2C952-A1, WSS-M2C954-A1
- Opel: OV0401547
- Chrysler: MS-12145

## Typical Properties

| Property                                         | Method     | Typical Value  |
|--------------------------------------------------|------------|----------------|
| Appearance                                       | Visual     | Clear & Bright |
| Density @ 15°C (g/cm <sup>3</sup> )              | ASTM D4052 | 0.845          |
| Kinematic Viscosity @ 40°C (mm <sup>2</sup> /s)  | ASTM D445  | 41             |
| Kinematic Viscosity @ 100°C (mm <sup>2</sup> /s) | ASTM D445  | 8.4            |
| Viscosity Index                                  | ASTM D2270 | 180            |
| Pour Point (°C)                                  | ASTM D97   | -45            |
| Flash Point (°C)                                 | ASTM D93   | 225            |
| Total Base Number (TBN), mg KOH/g                | ASTM D2896 | 8.2            |
| CCS @ -35°C (cP)                                 | ASTM D5293 | 6,100          |

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

## User Advice

- NORDIC 0W-20 is recommended where SAE 0W-20, ACEA C6, or API SP specifications are required.
- Do not use in engines requiring higher viscosity grades (e.g., 5W-30, 10W-40). Always consult the vehicle owners manual.

## 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.