

Product Description

Extreme MAKO 5W-40 (API CJ-4/SN) is a premium fully synthetic heavy-duty engine oil formulated using high-quality synthetic base oils and an advanced additive system engineered to deliver robust engine protection and sustained performance across a wide range of diesel and gasoline engine applications.

This formulation is designed to provide excellent resistance to wear, oxidation, and thermal degradation, while effectively controlling soot-induced viscosity increase and deposit formation. It helps maintain engine cleanliness, viscosity stability, and reliable lubrication performance under severe operating conditions, including high load, elevated temperatures, and extended duty cycles.

Extreme MAKO 5W-40 supports extended drain intervals where operationally appropriate and contributes to improved engine durability and operational efficiency. It is suitable for modern engine technologies, including turbocharged and electronically controlled engines, as well as engines equipped with emission control systems requiring API CJ-4 performance levels.

Specification and Requirements

- API CJ-4, CI-4 Plus, CI-4, CH-4, CG-4, CF-4, CF
- AAPI SN, SM, SL, SJ, SH
- ACEA E9
- Cummins CES 20081
- Detroit Diesel DDC 93K218
- MB 228.31
- Mack EO+, Mack EO-N+
- Renault Trucks RLD-3
- Volvo VDS-4

Product Sizes

- ☐ 200 Liters ☐ 18 Liters ☒ 4 Liters ☒ 1 Liter

Main Applications



- Heavy-duty diesel engines operating in both on-highway and off-highway applications, including trucks, buses, construction, and agricultural equipment under varying load and speed conditions
- Naturally aspirated and turbocharged diesel engines requiring API CJ-4 performance level lubricants
- Engines operating under severe service conditions, including high load, high temperature, long-haul, and stop-and-go duty cycles
- Mixed fleet operations where a single lubricant is required for both diesel and gasoline engines, simplifying inventory and maintenance practices
- Light-duty commercial vehicles, SUVs, and 4x4 applications requiring SAE 5W-40 viscosity with heavy-duty engine oil performance

Performance Benefits

- **Outstanding Wear Protection.** Provides durable protection of critical engine components under high load and severe operating conditions, reducing wear and extending engine service life.
- **High Oxidation and Thermal Stability.** Resists oil degradation at elevated temperatures, maintaining viscosity integrity and minimizing sludge and varnish formation.
- **Effective Soot and Deposit Control.** Manages soot loading and minimizes deposit formation, helping maintain engine cleanliness and consistent performance.
- **Extended Drain Capability.** Maintains performance over extended service intervals when supported by proper maintenance practices and operating conditions.
- **Stable Viscosity Performance.** Ensures reliable lubrication across a wide temperature range, supporting cold start protection and high-temperature film strength.
- **Mixed Fleet Compatibility.** Suitable for both diesel and gasoline engines, enabling operational efficiency and simplified lubricant management.

EXTREME MAKO 5W-40 (API CJ-4/SN)

Fully Synthetic Engine Oil For Gasoline and Diesel Engines



Test Physical Characteristics

Test Parameter	Test Method	Specification
Appearance	Visual	Clear
Color, ASTM	ASTM D1500	4.0
Density @15°C, kg/l	ASTM D7777	0.8553
Kinematic Viscosity @40°C, cSt	ASTM D445	83.60
Kinematic Viscosity @100°C, cSt	ASTM D445	13.81
Viscosity Index	ASTM D2270	170
Total Base Number, mgKOH/g	ASTM D2896	9.8

Health and Safety

Based on available information, this product is unlikely to produce any significant hazard on health when used for the recommended application provided in the Material Safety Data Sheet (MSDS). Guidance on Health and Safety is available on the appropriate Material Safety and Data Sheet, which can be obtained from <http://www.seaoil.com.ph>

Environment

Bring used oil to a permitted container and place. Do not throw it into the drain or soil.