PRODUCT DATA SHEET

EURO LX 5W-40

Full-Synthetic Full-SAPS Engine Oil — High-Performance European Gasoline & Select Diesel, SAE 5W-40

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DESCRIPTION

TRIAX Euro LX 5W-40 is a full-SAPS, full-synthetic engine oil engineered for high-performance, electronically fuel-injected European engines — including turbocharged and supercharged gasoline engines and select diesel applications. Fully friction-optimized with TRIAX's proprietary friction modifier system, it delivers outstanding wear protection, turbocharger longevity, and overall engine performance. It is designed for the demanding high-horsepower, high-torque engines of Mercedes-Benz, BMW, Audi, Porsche, Ferrari, Lamborghini, Maserati, and others — including certain motorsport variants (BMW M, Audi S, Mercedes-AMG) — as well as EcoDiesel engines requiring the Chrysler MS-12991 specification. The robust full-SAPS additive system and shear-stable base oils maintain film integrity at extreme operating temperatures and support extended drain intervals.

PERFORMANCE HIGHLIGHTS

- **Extreme durability and shear stability —** long-lasting protection for high-horsepower, high-torque engines under sustained load
- **Sharper engine response —** the friction-optimized boundary film cuts internal drag across the valvetrain, piston rings, and bearings, delivering improved engine feel, smoother and more responsive acceleration, rapid turbo spooling, and improved overall engine performance
- **State-of-the-art detergent system —** keeps engines clean for 250,000 miles and beyond, with near-zero deposits on piston rings, turbocharger, and valves throughout service life
- **Outstanding turbocharger protection —** helps prevent coking, varnish, and premature bearing failure in turbocharged and supercharged applications
- **High-temperature film integrity —** HTHS of 4.1 cP delivers robust protection in high-output engines at very high operating temperatures
- **Extended drain capability —** up to 15,000 miles (~25,000 km)* under longlife service conditions in mechanically sound engines

**Drain interval is valid only for mechanically sound engines with regular oil analysis and no aftermarket additives. Based on Mercedes-Benz OM646LA engine test using 5W-30. Always consult the vehicle owner's manual.*

SPECIFICATIONS & APPLICATIONS

TRIAX Euro LX 5W-40 is formulated for high-performance, high-output turbocharged European engines, as well as Jeep / Chrysler EcoDiesel engines requiring MS-12991. These models include Mercedes-Benz, BMW, Audi, Porsche, Ferrari, Lamborghini, and Maserati, plus certain motorsport variants (BMW M, Audi S, Mercedes-AMG).

For use in applications requiring the following OEM and industry specifications:

- ACEA A3/B4
- Mercedes-Benz MB 229.5 / 229.3
- BMW Longlife-01
- Porsche A40
- VW / Audi 502 00 / 505 00
- API SP, SN
- Renault RN0700 / RN0710
- Opel GM-LL-B-025
- PSA B71 2296
- Maserati
- Jeep / Chrysler EcoDiesel MS-12991
- Chrysler MS-10725
- Chrysler MS-10850
- Fiat 9.55535-Z2, 9.55535-H2, 9.55535-M2, 9.55535-N2
- GWM
- HAVAL

TYPICAL PROPERTIES

Parameter	TRIAX Euro LX 5W-40	Test Method
Viscosity, Kinematic @ 40 °C, cSt	**88.0**	**ASTM D7042**
Viscosity, Kinematic @ 100 °C, cSt	**14.8**	**ASTM D7042**
Viscosity Index	**180**	**ASTM D2270**
HTHS Viscosity @ 150 °C, cP	**4.1**	**ASTM D5481**
Flash Point, °C (°F)	**226 (439)**	**ASTM D92**
Pour Point, °C (°F)	**−45 (−49)**	**ASTM D97**
Low-Temperature Pumpability (MRV) @ −35 °C, cP	**≤ 55,000**	**ASTM D4684**
Specific Gravity @ 60 °F	**0.856**	**ASTM D4052**
Total Base Number (TBN), mg KOH/g	**10.4**	**ASTM D2896**
Sulfated Ash, wt %	**1.1 – 1.6**	**ASTM D874**

These are typical values; small differences in actual values are a normal part of production and do not affect product performance. Product formulations are subject to change without notice.

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