GEAR BOXES SYN

ISO 320

REXOIL GEAR BOXES SYN ISO 320 is a premium industrial gear lubricant developed with **highly refined base oils and a balanced additive technology** for demanding gear lubrication applications. Its formulation is designed to maintain a strong and stable lubricating film under high loads, elevated temperatures and continuous operating conditions.

The product provides reliable protection against **wear, oxidation, rust and corrosion**, while supporting clean and efficient gearbox operation. Its high-viscosity formulation is particularly suitable for equipment requiring a **robust lubricant film and ISO VG 320 viscosity grade**.

REXOIL GEAR BOXES SYN ISO 320 is recommended for **enclosed industrial gearboxes, heavy-duty speed reducers, conveyors, mixers, crushers, material-handling systems and other industrial power transmission equipment** where an ISO VG 320 gear lubricant is specified.

Features and Benefits

- **High-viscosity formulation** provides a durable lubricating film for heavily loaded gear systems.
- **Advanced base oil technology** delivers excellent thermal and oxidative stability.
- **Superior load-carrying capability** helps protect gears operating under demanding conditions.
- **Effective anti-wear performance** reduces surface wear and contributes to longer component life.
- **Excellent rust and corrosion** protection helps preserve gears, bearings and other internal components.
- **Good resistance to sludge and deposit formation** supports cleaner gearbox operation.
- **Stable viscosity performance** helps maintain consistent lubrication during prolonged service.
- **Good water-handling characteristics** help maintain lubricant performance in environments exposed to moisture.
- **Low volatility** helps minimize lubricant loss during elevated-temperature operation.
- Suitable for **continuous and heavy-duty industrial applications** requiring ISO VG 320 viscosity.

Approval and Specifications

DIN 51517 Part 3; AGMA 9005-F16; ISO 12925 (L-CKC/L-CKD); ISO 6743-6 (L-CKC/L-CKD); ZF TE-ML 27; David Brown S1.53.101; AIST 224 (US Steel 224); Fives Cincinnati Machine Gear

Technical Specifications

Test	Method	Typical Properties
Kinematic Viscosity (40°C), [cSt]	ASTM D445	288,0 – 352,0
Viscosity Index	ASTM D2270	Min. 100
Density @ 15^0C g/ml	ASTM D4052	0,855 - 0,875
Flash Point, °C	ASTM D92	Min. 240
Pour Point, °C	ASTM D97	Max. -30

Health and Safety

This product does not pose a significant health or safety risk when used appropriately. For detailed safety information, please refer to the Safety Data Sheet (SDS).

Storage & Handling

Store in a cool, dry, and well-ventilated area, away from direct sunlight and moisture. Keep containers tightly closed to prevent contamination. Dispose of contents and containers in accordance with local regulations.

REKSOIL PETROKİMYA SAN. VE TİC. A.Ş.
Adres: Birlik Organize Sanayi Bölgesi Doğu Cd. No:19-21 Tuzla – İSTANBUL - TÜRKİYE Tel: +90 216 593 35 70 Fax: +90 216 593 35 78
www.rexoil.com.tr