GEAR BOXES ISO 1000

REXOIL GEAR BOXES ISO 1000 is a premium quality, high-viscosity industrial gear lubricant specifically formulated for heavily loaded enclosed gear systems operating under extreme pressure and high temperature conditions. It is manufactured using high-quality mineral base oils and advanced extreme pressure (EP) additive technology to ensure superior protection against wear, micropitting, and surface fatigue. This lubricant is designed for use in heavy-duty industrial gearboxes operating at low to moderate speeds and under high torque loads. It provides excellent load-carrying capacity, strong oil film formation, and enhanced protection for gears and bearings in severe service environments.

It recommended for use in heavily loaded enclosed industrial gearboxes operating under high torque and shock load conditions. It is suitable for gear drives used in cement plants, mining operations, and steel mills where high viscosity and strong oil film strength are required. The product can be used in marine reduction gear units and large industrial equipment such as mixers, crushers, and conveyors.

Features and Benefits

- **Superior Extreme Pressure Protection:** Advanced EP additive technology protects gear teeth against scuffing, scoring, and surface fatigue under heavy and shock loading conditions.
- **Outstanding Load-Carrying Capacity:** Forms a strong and durable lubricant film that maintains separation of metal surfaces even under very high torque and low-speed operations.
- **Enhanced Micropitting Resistance:** Specially formulated to reduce the risk of micropitting and extend gear service life in modern high-performance gear systems.
- **Excellent Thermal and Oxidation Stability:** Resists oil degradation at elevated temperatures, helping to maintain performance over extended service intervals.
- **Reliable Corrosion and Rust Protection:** Protects ferrous and non-ferrous components against corrosion, even in the presence of moisture.
- **Low Foaming Tendency:** Ensures stable lubrication film and efficient gearbox operation under turbulent conditions.
- **Extended Equipment Life:** Minimizes wear on gears and bearings, reducing maintenance costs and downtime.

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	900,0 – 1100,0
Viscosity Index	ASTM D2270	Min. 90
Density @ 15^{0}C g/ml	ASTM D4052	0,900 - 0,935
Flash Point, °C	ASTM D92	Min. 265
Pour Point, °C	ASTM D97	Max. -6

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.

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