GEAR BOXES SYN

ISO 100

REXOIL GEAR BOXES SYN ISO 100 is a high-performance industrial gear oil formulated with **highly refined base oils and an advanced additive system** to provide reliable lubrication, excellent thermal and oxidation stability, and effective protection against wear and corrosion.

Its advanced formulation offers improved performance, cleanliness and viscosity stability compared with conventional mineral gear oils. The product is designed for the lubrication of **industrial enclosed gearboxes and power transmission systems**, including spur, helical, bevel and similar gear arrangements where **ISO VG 100** lubricant is recommended.

REXOIL GEAR BOXES SYN ISO 100 is developed to provide reliable and effective lubrication for **industrial gearboxes, speed reducers, conveyors, material-handling equipment, machine tools and other power transmission systems operating under normal and severe working conditions**.

Features and Benefits

- **Highly refined base oil technology** provides enhanced overall lubricant performance.
- **Excellent thermal and oxidation stability** helps maintain oil performance during prolonged operation.
- **Strong wear protection** helps extend the service life of gears and bearings.
- **Good viscosity stability** supports consistent lubrication under varying operating temperatures.
- **Effective rust and corrosion protection** helps safeguard internal components.
- **Excellent cleanliness** helps minimize sludge, varnish and deposit formation.
- **Good water separation properties** support reliable operation where moisture contamination may occur.
- **Low volatility** contributes to reduced oil consumption and cleaner equipment operation.
- Provides **reliable lubrication for continuous-duty industrial applications**.

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 04H; 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	90,0 – 110,0
Viscosity Index	ASTM D2270	Min. 95
Density @ 15^0C g/ml	ASTM D4052	0,860 - 0,880
Flash Point, °C	ASTM D92	Min. 230
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.

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