GEAR BOXES PAO

ISO 68

REXOIL GEAR BOXES PAO ISO 68 is a **premium fully synthetic industrial gear lubricant based on advanced Polyalphaolefin (PAO) technology**, developed for demanding industrial applications requiring exceptional thermal stability, oxidation resistance, extended lubricant life and reliable component protection. Its advanced formulation provides a **strong and stable lubricating film across a wide operating temperature range**, offering excellent wear, rust and corrosion protection while maintaining clean and efficient gearbox operation.

The product is particularly suitable for **high-speed, continuous-duty and heavily loaded industrial gear systems**, where superior lubricant performance and long-term operational reliability are required. Its high resistance to thermal degradation and oxidation helps minimize deposit formation, reduce maintenance requirements and support extended oil service intervals.

REXOIL GEAR BOXES PAO ISO 68 is recommended for **enclosed industrial gearboxes, precision gear drives, high-speed reducers, conveyors, machine tools, compressors, pumps and other power transmission equipment** where an ISO VG 68 synthetic gear lubricant is specified.

Features and Benefits

- **PAO synthetic base fluid technology** provides superior performance and excellent lubricant stability.
- **Exceptional oxidation resistance** helps extend oil life under elevated operating temperatures.
- **Excellent thermal stability** supports reliable lubrication during continuous and demanding operation.
- **High and stable viscosity performance** helps maintain a consistent lubricating film across varying temperatures.
- **Excellent low-temperature fluidity** supports reliable start-up and lubrication in cold operating conditions.
- **Superior wear protection** helps minimize gear and bearing surface wear and contributes to extended component life.
- **Excellent resistance to sludge, varnish and deposit formation** helps maintain gearbox cleanliness.
- **Strong rust and corrosion protection** safeguards gears, bearings and other internal components.

Approval and Specifications

DIN 51517 Part 3; AGMA 9005-F16; ISO 12925 (L-CKC/L-CKD); ISO 6743-6 (L-CKC/L-CKD); 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	61,2 – 74,8
Viscosity Index	ASTM D2270	Min. 130
Density @ 15^{0}C g/ml	ASTM D4052	0,825 - 0,845
Flash Point, °C	ASTM D92	Min. 220
Pour Point, °C	ASTM D97	Max. -45

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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