COMPRESSOR OIL FX 100

REXOIL COMPRESSOR OIL FX 100 is a premium-quality **synthetic compressor lubricant formulated with high-performance PAO base oils and an advanced ashless additive technology**. The carefully balanced formulation provides outstanding resistance to oxidation and thermal degradation, excellent protection against wear and corrosion, and superior control of sludge, varnish and carbonaceous deposits. Its ashless chemistry helps maintain internal compressor cleanliness by minimizing ash-forming residues, while the high-quality PAO base oil provides excellent lubrication performance across a wide operating temperature range.

REXOIL COMPRESSOR OIL FX 100 is specially developed for the lubrication of rotary screw, rotary vane and reciprocating air compressors operating under demanding conditions, including continuous operation and elevated discharge temperatures. It is particularly suitable where extended oil service life, deposit control, high equipment reliability and reduced maintenance requirements are essential.

Provides extended oil service life of up to **8,000 operating hours** in rotary screw compressors and up to **1,000 operating hours** in rotary vane compressors, depending on operating conditions, compressor design, temperature, load and manufacturer recommendations.

Features and Benefits

- **Premium PAO Synthetic Base Technology** – Provides exceptional thermal and oxidative stability for reliable performance under severe operating conditions.
- **Advanced Ashless Additive Technology** – Minimizes ash-forming residues and helps maintain compressor internals in a clean condition.
- **Exceptional Oxidation Resistance** – Delivers extended lubricant life and helps reduce oil degradation, sludge and deposit formation.
- **Superior Deposit Control** – Effectively minimizes varnish, lacquer and carbonaceous deposits, supporting clean and efficient compressor operation.
- **Outstanding Wear Protection** – Provides reliable protection of critical compressor components against wear, extending equipment service life.
- **Excellent Thermal Stability** – Maintains lubricant integrity at elevated operating temperatures and during continuous-duty operation.
- **Enhanced Rust and Corrosion Protection** – Protects metal surfaces against moisture-related corrosion and rust formation.
- **Excellent Air Release Characteristics** – Promotes rapid release of entrained air, supporting smooth and efficient compressor operation.
- **Superior Low-Temperature Performance** – PAO technology provides excellent fluidity during cold start-up and helps ensure rapid lubricant circulation.
- **Extended Drain Intervals** – High-quality synthetic formulation enables longer oil service life, helping reduce maintenance frequency and operating costs.
- **Excellent Water Separation** – Rapidly separates from water to help maintain lubrication performance and protect compressor components.
- **Reduced Maintenance Requirements** – Superior cleanliness and oxidation stability help minimize deposit-related maintenance and unplanned downtime.

REKSOIL PETROKİMYA SAN. VE TİC. A.Ş.
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Approval and Specifications

DIN 51506 VDL; DIN 51506 VCL; DIN 51506 VBL; DIN 51506 VCL; ISO/DP 6521 (DAA, DAB, DAH, DAG); ALUP; Atlas Copco; FIAC; FINI; KAESER

Technical Specifications

Test	Method	Typical Properties
ISO GRADE		**100**
Kinematic Viscosity (40°C), [cSt]	ASTM D445	90,0 – 110,0
Viscosity Index	ASTM D2270	Min. 135
Density @ 15 ^{0}C, g/ml	ASTM D 4052	0,830 – 0,850
Flash Point, °C	ASTM D92	Min.230
Pour Point, °C	ASTM D97	Max. -45
Copper Strip Corrosion (3h, 100°C)	ASTM D130	Max.1b
Sulfated Ash, % (m/m)	ASTM D874	Max. 0,01

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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