COMPRESSOR OIL FX 32

REXOIL COMPRESSOR OIL FX 32 is a premium-quality **synthetic compressor lubricant formulated with high-performance PAO base oils and advanced ashless additive technology**. Its carefully balanced formulation provides exceptional resistance to oxidation and thermal degradation, outstanding protection against wear and corrosion, and superior control of sludge, varnish and carbonaceous deposits. The ashless additive system minimizes ash-forming residues and helps maintain compressor internals in a clean condition, while the PAO synthetic base oil delivers excellent lubricating performance, low volatility and reliable fluidity across a wide range of operating temperatures.

REXOIL COMPRESSOR OIL FX 32 is specially developed for the lubrication of rotary screw, rotary vane and reciprocating air compressors operating under demanding conditions, including continuous-duty operation, elevated temperatures and high compressor loads. It is particularly suitable for modern high-performance compressor systems where extended oil service life, excellent deposit control, equipment cleanliness, high reliability and reduced maintenance requirements are essential.

The low-viscosity **ISO VG 32** formulation promotes rapid oil circulation and efficient lubrication during start-up and operation, making it particularly suitable for compressor systems requiring a lighter-grade lubricant. Depending on compressor design, operating conditions, temperature, load and manufacturer recommendations, it provides **extended oil drain intervals and reliable long-term lubrication performance**.

Features and Benefits

- **Advanced PAO Synthetic Formulation** – Delivers outstanding thermal stability, oxidation resistance and lubrication performance over an extended operating range.
- **Ashless Performance Technology** – Reduces ash-forming residues and helps maintain clean compressor internals, valves and lubrication circuits.
- **Superior Oxidation Control** – Resists lubricant degradation under prolonged high-temperature operation, supporting extended oil service life.
- **Excellent Varnish & Sludge Control** – Helps prevent the formation of harmful deposits that can impair compressor efficiency and component reliability.
- **High Wear Protection** – Provides a durable lubricating film to protect bearings, rotors, gears and other critical components against wear.
- **Rapid Oil Circulation** – ISO VG 32 viscosity combined with PAO technology enables fast lubricant circulation and effective component protection, particularly during start-up.
- **Exceptional Thermal Performance** – Maintains lubricant integrity under continuous-duty and elevated-temperature operating conditions.
- **Low Volatility** – Helps minimize oil evaporation and lubricant consumption, contributing to cleaner and more economical compressor operation.
- **Reliable Rust & Corrosion Protection** – Protects internal metal surfaces against rust and corrosion, including under moisture-prone operating conditions.
- **Excellent Air Release** – Promotes rapid separation of entrained air, supporting stable lubrication and efficient compressor operation.
- **Superior Water Separation** – Provides effective water separation to help preserve lubricant performance and protect internal components.
- **Reduced Total Maintenance Cost** – Extended lubricant performance and superior compressor cleanliness can help reduce maintenance frequency, lubricant consumption and operating costs.

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		**32**
Kinematic Viscosity (40°C), [cSt]	ASTM D445	28,8 – 35,2
Viscosity Index	ASTM D2270	Min. 130
Density @ 15 ^{0}C, g/ml	ASTM D 4052	0,830 – 0,850
Flash Point, °C	ASTM D92	Min.220
Pour Point, °C	ASTM D97	Max. -55
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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