COMPRESSOR OIL GX 46

REXOIL COMPRESSOR OIL GX 46 is a high-performance compressor oil formulated with high-quality base oils and a carefully selected additive system to provide reliable lubrication, oxidation stability, wear protection, rust and corrosion protection, and excellent deposit control. The advanced formulation is designed for the demanding operating conditions encountered in industrial air compressors. Its high-quality base oil provides improved thermal and oxidative stability compared with conventional lower-refined mineral base oils, helping to maintain lubricant performance and minimize sludge and deposit formation during service.

REXOIL Compressor Oil GX 46 is recommended for the lubrication of **oil-lubricated reciprocating (piston), rotary screw and rotary vane air compressors**, as well as other compressor systems where an **ISO VG 46 mineral compressor oil** is specified by the equipment manufacturer.

It is suitable for industrial plants, workshops, manufacturing facilities, construction equipment and general compressed-air systems operating under normal to moderately severe conditions. **Always follow the compressor manufacturer's recommendations regarding lubricant type, viscosity grade and oil-change intervals.**

Features and Benefits

- **Excellent Oxidation Stability –** Helps resist oil degradation, sludge and varnish formation during prolonged operation and elevated temperatures.
- **Superior Wear Protection –** Provides effective protection against wear of bearings, gears, pistons and other critical compressor components.
- **Excellent Deposit Control –** Helps maintain clean internal surfaces and minimizes the formation of carbonaceous deposits and varnish.
- **Effective Rust & Corrosion Protection –** Protects metal surfaces against rust and corrosion, particularly in the presence of moisture and condensed water.
- **Excellent Thermal Stability –** Maintains reliable lubricant performance under continuous and demanding operating conditions.
- **Good Water Separation –** Promotes rapid separation of condensed water from the lubricant, helping minimize corrosion and lubricant degradation.
- **Excellent Air Release –** Facilitates rapid release of entrained air, supporting efficient and reliable compressor operation.
- **Low Foaming Tendency –** Helps maintain consistent lubrication and reliable operation in circulating lubrication systems.
- **High Lubricating Performance –** Provides a durable lubricating film to reduce friction and protect moving components.
- **Extended Oil Service Life –** High resistance to oxidation and degradation helps reduce lubricant consumption and maintenance frequency.
- **Excellent System Cleanliness –** Helps keep compressor components clean and reduces the risk of deposits that can negatively affect efficiency.
- **Reliable Performance –** Designed to provide dependable lubrication in continuous-duty industrial air-compressor applications.

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Approval and Specifications

DIN 51506 VDL; DIN 51506 VCL; DIN 54506 VBL; DIN 51517-1C/2CL; ALUP; Atlas Copco; FIAC; FINI; KAESER

Technical Specifications

Test	Method	Typical Properties
ISO GRADE		**46**
Kinematic Viscosity (40°C), [cSt]	ASTM D445	41,4 – 50,6
Viscosity Index	ASTM D2270	Min. 105
Density @ 15 ^{0}C, g/ml	ASTM D 4052	0,845 – 0,870
Flash Point, °C	ASTM D92	Min.230
Pour Point, °C	ASTM D97	Max. -30
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.