

Mineral Base Compressor Oil

Premium Lubricant for Rotary Screw Air Compressors

PRODUCT CODE: AEC-R-46 / AEC-R-68

VISCOSITY GRADES:

ISO 46 & ISO 68

1. PRODUCT DESCRIPTION

Autonics Mineral Base Compressor Oil is a premium-quality mineral lubricant specifically engineered for high-performance lubrication in rotary screw air compressors. Formulated from highly refined paraffinic base stocks, it is enhanced with an advanced additive system to deliver dependable wear protection, exceptional thermal-oxidative stability, and maximum operational efficiency. Available in ISO Viscosity Grades 46 and 68, this fluid provides continuous protective sealing for both commercial and high-load industrial compressed air operations.

2. FEATURES AND BENEFITS

- Wear Protection:** Robust anti-wear additives extend component lifespan and minimize maintenance downtime.
- Oxidative Stability:** Resists oil breakdown, eliminating varnish and sludge formations.
- High Viscosity Index:** Assures continuous stable film thickness across varied temperature ranges.
- Air & Foam Release:** Optimized air separation eliminates foaming and aeration risks.
- Rust Defense:** Chemically safeguards steel and internal metal alloy surfaces from humidity.
- Heat Dissipation:** Acts as an efficient cooling fluid during continuous high-pressure tasks.

3. TECHNICAL SPECIFICATIONS

PROPERTIES	METHOD	UNIT	46	68
ISO Viscosity Grade	—	—	46	68
Kinematic Visc. @ 40°C	D445	mm ² /s	46	68
Kinematic Visc. @ 100°C	D445	mm ² /s	6.9	6.94
Specific Gravity @ 85°F	D4052	kg/m ³	868	878.5
Viscosity Index (VI)	D2270	—	112	108
Flash Point (COC)	D92	°C	222	234
Pour Point	D97	°C	-29	-29

4. APPLICATION GUIDELINES

- Screw Rotary Compressors:** Designed for internal lubrication of stationary rotary screw air compressors.
- High-Load Support:** Highly recommended for continuous environments managing moderate to high pressure profiles.
- System Compatibility:** Uniformly compatible with oil-injected systems and standard air treatment mechanisms.

5. SAFETY, HANDLING & STORAGE GUIDELINES

Storage & Logistics: Keep containers tightly sealed in a clean, dry, ventilated space away from direct sunlight. Available in standard 20-Liter Buckets and 208-Liter Industrial Drums packaging formats.

First Aid Measures: Always use proper PPE (gloves/goggles). Skin contact: wash immediately with soap and water. Eye contact: flush cleanly with water and seek medical attention. If ingested, do not induce vomiting; contact medical professionals immediately.

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