

Compressor Oil (Synthetic Blend)

High-Performance Lubricant for Rotary Screw Air Compressors

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

VISCOSITY GRADES:

ISO 46 & ISO 68

1. PRODUCT DESCRIPTION

Autonics Compressor Oil (Synthetic Blend) is a high-performance lubricant specially designed for use in Rotary (Screw) Compressors. It uniquely combines the superior oxidative stability and wear protection of synthetic fluids with the cost-effectiveness of mineral options. This carefully balanced formulation delivers exceptional defense against mechanical wear, oxidation, and foaming, rendering it highly efficient across an extensive selection of demanding industrial and commercial compressed air applications.

2. FEATURES AND BENEFITS

- **Superior Wear Protection:** Formulated to diminish internal friction and surface wear, extending component operational lifespans.
- **Enhanced Oxidation Stability:** Strongly resists thermal fluid breakdown and carbon buildup, even during continuous high-temperature duties.
- **Excellent Foam Resistance:** Sustains continuous compressor performance while eliminating oil foaming and air entrapment hazards.
- **High Viscosity Index (VI):** Delivers uniform oil-film reliability from freezing cold startups to peak high-heat processing states.
- **Extended Drain Intervals:** The high-grade synthetic blend provides longer servicing longevity compared to conventional lubricants.
- **Corrosion Shielding:** Intercepts rust and corrosive developments on critical metal components.

3. TECHNICAL SPECIFICATIONS

PROPERTIES	METHOD	UNIT	46	68
ISO Viscosity Grade	—	—	46	68
Kinematic Visc. @ 40°C	ASTM D445	mm ² /s	46	68
Kinematic Visc. @ 100°C	ASTM D445	mm ² /s	7.78	8.10
Specific Gravity @ 85°F	ASTM D4052	kg/m ³	819.25	821.68
Viscosity Index (VI)	ASTM D2270	—	138	141
Flash Point	ASTM D92	°C	238	240
Pour Point	ASTM D97	°C	-30	-30

4. APPLICATION GUIDELINES

- **Screw Rotary Systems:** Optimally suitable for screw rotary air compressors running in heavy industrial or commercial spaces.
- **Thermal Load Management:** Ideal for continuous production cycles running at medium-to-high temperatures under moderate operating loads.
- **Technology Versatility:** Highly functional across machinery using oil-injected as well as oil-free compression systems.

5. SAFETY, HANDLING & STORAGE GUIDELINES

Handling & Storage: Wear standard personal protective equipment (PPE) like gloves and safety goggles. Securely store in original tightly closed containers, shielded away from direct sunlight exposure and extreme ambient temperatures. Always ensure a clean, dry, and properly ventilated storage floor to entirely avoid cross-contamination. Available in ****20-Liter Buckets**** and ****208-Liter Drums**** packaging options.

First Aid Measures: Skin contact: instantly clean affected zones with soap and water. Eye contact: flush cleanly with water and request medical evaluation immediately. If accidentally ingested, ****do not induce vomiting****; seek medical attention immediately.

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