



*The First in Synthetics®*

## **Industrial Synthetic Lubricants**

## **SIROCCO® SYNTHETIC ESTER OIL/COOLANT FOR ROTARY COMPRESSORS (SEI) ISO-32/46**

### **PRODUCT DESCRIPTION**

AMSOIL SIROCCO® Synthetic Compressor Oil (SEI) is formulated with premium synthetic ester technology. This high-quality, long-life fluid lasts several times longer in use than mineral-based oils. AMSOIL SIROCCO® Compressor Oil is fully formulated with nondetergent additives and is designed for use in rotary screw compressors and vacuum pumps. SIROCCO® effectively prevents wear, oxidation, foam and rust and has inherent lubricity and good thermal conductivity which allow it to reduce heat and energy consumption. AMSOIL SIROCCO® Compressor Oil increases operating efficiency, reducing money spent on energy, repair and maintenance costs.

AMSOIL SIROCCO® Synthetic Compressor Oil maintains performance across a wide operating temperature range. Its low pour point, high viscosity index and lack of paraffins (wax) makes it an excellent all season lubricant. At high temperatures, SIROCCO® forms virtually no carbon, allowing for clean operation. At cold temperatures, equipment starts easier and the lubricant is quickly pumped to critical components, preventing lubricant starvation and excessive wear. SIROCCO® Compressor Oil also resists water to prevent damaging oil/water emulsions, allowing for longer lubricant life and ease of water removal from the sump.

### **PERFORMANCE FEATURES**

- Resists foaming
- Rust and oxidation inhibited
- Readily separates from water
- Recommended for use in rotary screw compressors
- Long-life/extended drain performance.
- Compatible with polyglycol fluids such as Sullair Sullube 32® and Ingersoll-Rand SSR Ultra-coolant®
- Biodegradable under the CEC-L33-A94 standard

### **SAFETY ADVANTAGE**

AMSOIL SIROCCO® Synthetic Ester Compressor Oil has higher flash, fire and auto ignition points than competitive petroleum oils. Its resistance to carbon formation and the

ashless additive system minimize the incidence of deposits acting as ignition-promoting hot spots. Although AMSOIL SIROCCO® Synthetic Compressor Oil increases fire safety, it cannot be considered nonflammable.

### **APPLICATION RECOMMENDATION**

AMSOIL SIROCCO® Synthetic Compressor Oil is a multi-viscosity oil meeting the requirements of 5W-20. It may be used in applications calling for either an ISO-32 or ISO-46 compressor oil or coolant. It is recommended for use in single and multi-stage rotary screw compressors and vacuum pumps that call for this viscosity.

When installing AMSOIL SIROCCO® Compressor Oil, it is recommended that the old oil be thoroughly drained and if warranted, the system cleaned. If a lot of carbon or residue is found on the internal compressor parts, follow the manufacturer's recommendations for removal prior to installing the new oil. AMSOIL SIROCCO® Compressor Oil has a high level of solvency and may remove deposits left in the system. Check the filters and oil/air separators regularly for the first 500 hours of operation and replace as necessary.

AMSOIL SIROCCO® Compressor Oil is compatible with and recommended as a replacement for much higher priced polyalkylene glycol (PAG) compressor oils or coolants such as Sullair Sullube 32® and Ingersoll Rand SSR Ultra Coolant®. No flushing is necessary when changing over from Glycol Coolants to AMSOIL SIROCCO® Compressor Oil. However, draining the system and changing the filters is recommended.

AMSOIL SIROCCO® Synthetic Compressor Oil is recommended for use up to 8,000+ hours for most compressor applications. However, this is subject to operating conditions and maintenance practices.\* Monitoring by oil analysis every 1,000 hours is recommended.

\* Where discharge temperature exceeds 205°F, lubricant life expectancy is reduced.

## TYPICAL TECHNICAL PROPERTIES

### SIROCCO® Synthetic Compressor Oil/Coolant (SEI)

	SEI
ISO Viscosity Grade ASTM D-2422 .....	32/46
Viscosity 100° C, cSt ASTM D-445 .....	6.68
Viscosity 40° C, cSt ASTM D-445 .....	40.22
Viscosity Index ASTM D-2270 .....	123
API Gravity ASTM D-287 .....	15.30
Specific Gravity g/ml ASTM D-1298 .....	0.9639
Density (lb/gal) ASTM D-1298 .....	8.027
Flash Point, °C (°F) ASTM D-92 .....	272 (522)
Fire Point, °C (°F) ASTM D-92 .....	306 (583)
Pour Point, °C (°F) ASTM D-97 .....	-43 (-45)
NOACK Volatility, %Weight Loss DIN 51581 .....	1.40%
4-Ball Wear Para 1 in mm ASTM D-4172 .....	0.50
Biodegradable .....	YES

### COMPATIBILITY

AMSOIL SIROCCO® Compressor Oil is compatible with petroleum oils, most synthetic oils\*, and many seals, paints and materials commonly used in compressors. Materials recommended and not recommended for use with SIROCCO® Compressor Oil are listed below. For additional information, see the AMSOIL Compatibility Guide (G-1274) or consult your AMSOIL Dealer or AMSOIL INC.

\*AMSOIL SIROCCO® Compressor Oil is NOT RECOMMENDED as a replacement for or for use with the silicone-based compressor oil Sullair Sullube 24KT®. AMSOIL SIROCCO® is NOT RECOMMENDED for use in "Breathing Air or Refrigeration" compressors.

#### Recommended

Seals – Viton®, High Nitrile Buna N (>36%), Teflon®  
Paints – Epoxy, Oil-Resistant Alkyd, Two-Part Urethane  
Plastics – Nylon, Delrin®, Celcon®, PBT

#### Not Recommended

Seals – Neoprene, SBR Rubber, Low Nitrile Buna N  
Paints – Acrylic Paint, Lacquer  
Plastics – Polystyrene, Polycarbonate Plastic, PVC, ABS

**Note:** Process gases suitable for use with AMSOIL SIROCCO® Compressor Oil: Nitrogen, hydrogen, helium, carbon monoxide, carbon dioxide (dry), ethylene, methane, propane, butane, propylene, butylene, natural gas, benzene, butadiene, furnace (crack gas), hydrogen sulfide (dry), sulfur hexafluoride, synthetic gas, sulfur dioxide.

### AMSOIL PRODUCT WARRANTY

AMSOIL warrants that the use of its lubricants will not cause mechanical damage to any mechanically sound equipment when AMSOIL products are used in full compliance with the company's recommendations. However, the purchaser of these lubricants is responsible for determining if these specifications are adequate and proper for the intended application. The AMSOIL warranty is limited to lubricant performance consistent with indicated specifications. No additional warranty, expressed or implied, can be made.

### AMSOIL PRODUCT AVAILABILITY

AMSOIL SIROCCO® Compressor Oil is available in 5-gallon pails, 55-gallon drums, 275-gallon totes and bulk quantities. For 275-gallon totes, please allow two to four weeks for delivery.

Sullair Sullube 32® and Sullair Sullube 24 KT® are registered trademarks of Sullair Corporation; Ingersoll-Rand SSR Ultra-coolant® is a registered trademark of Ingersoll-Rand Company. SIROCCO® is a registered trademark of AMSOIL INC. The product code for SIROCCO® is SEI.

*For applications and recommendations, contact your local AMSOIL industrial sales representative or AMSOIL INC.*

