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DATA BULLETIN

SIROCCO® Synthetic Compressor Oil

ISO 32/46

AMSOIL SIROCCO® Synthetic Compressor Oil 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 non-detergent additives and is designed for use in rotary screw compressors and vacuum pumps. SIROCCO effectively protects against wear, oxidation, foam and rust. Its inherent lubricity and good thermal conductivity allow it to reduce heat and energy consumption. AMSOIL SIROCCO Synthetic Compressor Oil increases operating efficiency, reducing energy and maintenance costs. AMSOIL SIROCCO maintains performance across a wide operating temperature range. Its low pour point, high viscosity index and lack of paraffins (wax) make it an excellent all-season lubricant. At cold temperatures, equipment starts easier and the lubricant is quickly pumped to critical components, preventing lubricant starvation and excessive wear. SIROCCO also repels water to help prevent damaging oil/water emulsions, allowing for longer lubricant life and ease of water removal from the reservoir.



Performance Features

- Resists foaming
- Inhibits rust and oxidation
- 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*

AMSOIL SIROCCO Synthetic Compressor Oil has higher flash, fire and auto-ignition points than competitive petroleum oils. Although SIROCCO increases fire safety, it cannot be considered non-flammable.

Application Recommendation

AMSOIL SIROCCO Synthetic Compressor Oil is a multi-viscosity oil that 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.

When installing AMSOIL SIROCCO Synthetic Compressor Oil, it is recommended that the old oil be thoroughly drained and, if warranted, the system cleaned. If a lot of residue is found on the internal compressor parts, follow the manufacturer's recommendations for removal prior to installing the new oil.

AMSOIL SIROCCO 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 Synthetic Compressor Oil is compatible with and recommended as a replacement for 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 Synthetic Compressor Oil. However, draining the system and changing the filters is recommended.

Maintenance Recommendation

The polyglycols that SIROCCO Compressor Oil replaces hold water throughout their service life. Like most non-polyglycol compressor oils, SIROCCO separates from water, allowing it to be periodically removed from the oil. How often this needs to be done is heavily dependent upon operating conditions. Initially, the compressor should be shut down every 24 hours for 15 minutes, allowing free water to settle to the bottom of the reservoir to be drained. Noting the amount of water removed will help establish a regular maintenance interval appropriate for the conditions. Excessive water buildup in the oil can result in filter plugging and significantly shortened oil life. If you have questions contact AMSOIL Technical Services at 715-399-TECH.

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TYPICAL TECHNICAL PROPERTIES
SIROCCO® Synthetic Compressor Oil (SEI)

ISO Viscosity Grade (ASTM D2422)	32/46
Viscosity 100° C, cSt (ASTM D445)	6.3
Viscosity 40° C, cSt (ASTM D445)	40.1
Viscosity Index (ASTM D2270)	103
API Gravity (ASTM D287)	20.4
Specific Gravity (g/ml) (ASTM D1298)	0.9315
Density (lb/gal) (ASTM D1298)	7.757
Flash Point,°C (°F) (ASTM D92)	252 (486)
Fire Point, °C (°F) (ASTM D92)	280 (536)
Pour Point,°C (°F) (ASTM D97)	-43 (-45)
4-Ball Wear Test (ASTM D4172) (40kg, 1200 rpm, 75°C, 1 hr.) Scar, mm.	0.45

Service Life
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.

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.

SIROCCO Compressor Oil is **NOT RECOMMENDED** as a replacement for or for use with the silicone-based compressor oil Sullair Sullube 24 KT. 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 Synthetic 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), synthetic gas, sulfur dioxide.

AMSOIL Product Warranty
AMSOIL products are backed by a Limited Liability Warranty. For complete information visit www.amsoil.com/warranty.aspx.

AMSOIL Product Availability
AMSOIL SIROCCO Synthetic 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.

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