

Compressor Oil

AMSOIL SIROCCO(R) ISO-32/46 COMPRESSOR OIL

Product Code: SEI05-EA

Extend compressor life and cut energy costs with this premium oil--resists oxidation, separates water, and lasts up to 8,000 hours.



Product Description

AMSOIL SIROCCO ISO-32/46 Synthetic Compressor Oil is a premium ester-based lubricant built to protect rotary screw compressors and vacuum pumps while dramatically extending drain intervals beyond what mineral-based oils can deliver. It covers both ISO 32 and ISO 46 viscosity grades in a single fluid, simplifying inventory and reducing the chance of using the wrong product.

Rotary screw compressors operate under relentless thermal stress, often running continuously in humid environments where water ingestion is unavoidable. Mineral oils break down under these conditions, forming sludge, varnish and carbon deposits that choke separators and filters, drive up energy consumption and shorten equipment life. Polyalkylene glycol (PAG) fluids handle the heat better but come at a higher price and hold water throughout their service life, making moisture management difficult.

REDUCES OPERATING TEMPERATURES AND ENERGY COSTS

Synthetic ester base stocks deliver inherently better lubricity and thermal conductivity than petroleum oils. AMSOIL SIROCCO uses this to its advantage, reducing friction-generated heat inside the compressor and lowering discharge temperatures. Lower operating temperatures translate directly to reduced energy consumption, which adds up fast on equipment running 24/7 in manufacturing and industrial environments.

RESISTS OXIDATION FOR EXTENDED DRAIN INTERVALS UP TO 8,000+ HOURS

Mineral compressor oils typically need changing every 1,000 to 2,000 hours. AMSOIL SIROCCO is engineered for service life up to 8,000 hours, subject to operating conditions, maintenance practices and routine oil analysis every 1,000 hours. The synthetic ester formulation naturally resists oxidation, which means fewer sludge and varnish deposits fouling internal components, separators and filters. That translates to less downtime, fewer filter changes and lower overall maintenance costs across the life of the compressor.

SEPARATES FROM WATER TO PREVENT EMULSION PROBLEMS

This is where SIROCCO offers a real advantage over PAG-based compressor coolants like Sullair Sullube 32 and Ingersoll-Rand SSR Ultra Coolant. PAG fluids absorb water and hold it in solution throughout their service life, which can accelerate corrosion and complicate disposal. AMSOIL SIROCCO readily separates from water, scoring 40/40/0 in 25 minutes on the ASTM D1401 demulsibility test. Free water settles to the bottom of the reservoir where it can be drained during routine shutdowns. Initially, shut the compressor down for 15 minutes every 24 hours to allow water to settle, then extend the interval based on the volume of water removed and your specific environmental conditions.

HIGH-TEMPERATURE FIRE SAFETY AND COLD-WEATHER PERFORMANCE

AMSOIL SIROCCO posts a flash point of 252 degC (486 degF) and a fire point of 280 degC (536 degF), both significantly higher than typical petroleum compressor oils. While it cannot be considered non-flammable, this margin improves fire safety in high-temperature

compressor rooms. On the other end of the spectrum, a pour point of -43 degC (-45 degF) and the absence of paraffin wax make SIROCCO an excellent all-season compressor lubricant. Cold starts are easier, and the oil reaches critical components faster, reducing wear during startup in unheated facilities or outdoor installations.

DIRECT REPLACEMENT FOR PAG COMPRESSOR COOLANTS

AMSOIL SIROCCO is compatible with and recommended as a direct replacement for polyalkylene glycol compressor oils, including Sullair Sullube 32 and Ingersoll-Rand SSR Ultra Coolant. No flushing is necessary when converting from glycol coolants. Drain the old fluid, change the filters and install SIROCCO. Because the synthetic ester formulation has a high level of solvency, it may loosen deposits left behind by previous fluids. Check filters and oil/air separators regularly during the first 500 hours of operation and replace as necessary.

SPECIFICATIONS AND COMPATIBILITY

AMSOIL SIROCCO meets ISO viscosity grade 32/46 per ASTM D2422, making it suitable for applications calling for either an ISO 32 or ISO 46 compressor oil. It is compatible with petroleum oils, most synthetic oils, and a wide range of compressor gases including nitrogen, hydrogen, helium, carbon monoxide, dry carbon dioxide, ethylene, methane, propane, butane, natural gas, benzene, butadiene, furnace gas, dry hydrogen sulfide, synthetic gas and sulfur dioxide.

Compatible seals include Viton, high-nitrile Buna-N (greater than 36%) and Teflon. Compatible paints include epoxy, oil-resistant alkylid and two-part urethane. Compatible plastics include nylon, Delrin, Celcon and PBT.

SIROCCO is not recommended as a replacement for or for use with Sullair Sullube 24 KT silicone-based compressor oil. It is also not recommended for use in breathing air or refrigeration compressors.

SERVICE LIFE

AMSOIL SIROCCO is recommended for use up to 8,000+ hours in most rotary screw compressor applications. Service life depends on operating conditions and maintenance practices. Oil analysis monitoring every 1,000 hours is recommended to verify fluid condition and optimize drain intervals for your specific operation.

Technical Specifications

Property	Value	Test Method
ISO Viscosity Grade	32/46	ASTM D2422
Viscosity, 100 degC, cSt	6.3	ASTM D445
Viscosity, 40 degC, cSt	40.1	ASTM D445
Viscosity Index	103	ASTM D2270
API Gravity	20.4	ASTM D287
Specific Gravity (g/ml)	0.9315	ASTM D1298
Density (lb/gal)	7.757	ASTM D1298
Flash Point, degC (degF)	252 (486)	ASTM D92
Fire Point, degC (degF)	280 (536)	ASTM D92
Pour Point, degC (degF)	-43 (-45)	ASTM D97
Four-Ball Wear, scar (mm)	0.45	ASTM D4172 (40 kg, 1200 rpm, 75 degC, 1 hr)
Demulsibility	40/40/0 (25)	ASTM D1401

Frequently Asked Questions

Q1: What compressors and equipment is AMSOIL SIROCCO ISO-32/46 Synthetic Compressor Oil designed for?

AMSOIL SIROCCO ISO-32/46 Synthetic Compressor Oil is a multi-viscosity oil recommended for use in single and multi-stage rotary screw compressors and vacuum pumps that call for either an ISO 32 or ISO 46 compressor oil or coolant. It is specifically recommended as a replacement for higher-priced polyalkylene glycol (PAG) compressor oils such as Sullair Sullube 32 and Ingersoll-Rand SSR Ultra Coolant. It is NOT recommended for use in breathing air or refrigeration compressors, nor as a replacement for the silicone-based Sullair Sullube 24 KT.

Q2: How does AMSOIL SIROCCO Compressor Oil reduce energy costs and improve compressor efficiency?

AMSOIL SIROCCO Synthetic Compressor Oil is formulated with premium synthetic ester technology that provides inherent lubricity and good thermal conductivity, allowing it to reduce heat and energy consumption in compressor systems. Its high viscosity index and lack of paraffins (wax) ensure consistent performance across a wide operating temperature range. At cold temperatures, equipment starts easier and the lubricant is quickly pumped to critical components, preventing lubricant starvation and excessive wear, which collectively increases operating efficiency and reduces energy and maintenance costs.

Q3: What are the technical specifications and fire safety properties of AMSOIL SIROCCO ISO-32/46 Compressor Oil?

AMSOIL SIROCCO Synthetic Compressor Oil is formulated with premium synthetic ester technology and non-detergent additives, covering both ISO 32 and ISO 46 viscosity grades in a single multi-viscosity product. It features a low pour point, high viscosity index, and no paraffins (wax), making it an excellent all-season lubricant. SIROCCO has higher flash, fire, and auto-ignition points than competitive petroleum oils, increasing fire safety, although it cannot be considered non-flammable.

Q4: How does AMSOIL SIROCCO Compressor Oil compare to Sullair Sullube 32 and Ingersoll-Rand SSR Ultra Coolant?

AMSOIL SIROCCO is recommended as a direct, lower-cost replacement for higher-priced polyalkylene glycol (PAG) compressor oils like Sullair Sullube 32 and Ingersoll-Rand SSR Ultra Coolant. No flushing is necessary when switching from these glycol coolants to SIROCCO, though draining the system and changing filters is recommended. Unlike polyglycols that hold water throughout their service life, SIROCCO readily separates from water, allowing it to be periodically drained from the reservoir for easier maintenance and longer lubricant life.

Q5: How long does AMSOIL SIROCCO ISO-32/46 Compressor Oil last between changes and how often should I monitor it?

AMSOIL SIROCCO Synthetic Compressor Oil is recommended for use up to 8,000+ hours in most compressor applications, lasting several times longer than mineral-based oils. However, actual service life depends on operating conditions and maintenance practices. AMSOIL recommends monitoring the oil by oil analysis every 1,000 hours. For the first 500 hours after installation, filters and oil/air separators should be checked regularly because SIROCCO's high solvency may remove deposits left by previous lubricants. Additionally, free water should initially be drained every 24 hours by shutting down the compressor for 15 minutes to establish an appropriate water-removal schedule.

Q6: Is AMSOIL SIROCCO Compressor Oil compatible with seals, paints, plastics, and other compressor oils?

AMSOIL SIROCCO Compressor Oil is compatible with petroleum oils, most synthetic oils, and polyglycol fluids such as Sullair Sullube 32 and Ingersoll-Rand SSR Ultra Coolant. It is safe for use with Viton, High Nitrile Buna N (>36%), and Teflon seals, as well as epoxy, oil-resistant alkyd, and two-part urethane paints, and plastics like Nylon, Delrin, Celcon, and PBT. It is NOT recommended for use with Neoprene, SBR Rubber, or Low Nitrile Buna N seals; acrylic paint or lacquer; or polystyrene, polycarbonate, PVC, or ABS plastics. It is also not compatible with the silicone-based Sullair Sullube 24 KT.

Available Product Codes

Product Code	Package Size	Unit of Measure
SEI05-EA	5 Gallon Pail	Each
SEI55-EA	55 Gallon Drum	Each
SEI27-EA	275 Gallon Tote	Each

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