

Air compressors

In nearly every industry, a reliable supply of compressed air is critical to effective operation. Producing compressed air is the job of the air compressor, an often overlooked but critical piece of equipment. Ensuring efficient, reliable performance of a facility's air compressor helps keep production moving. The efficiency of an air compressor is directly related to the discharge air temperature, and reducing the discharge temperature can help increase the compressor's efficiency. Here's how Mobil SHC™ lubricants can help compressors perform more efficiently, allowing your customers to achieve maximum productivity.

Industries:

Energy, General manufacturing, Pulp and paper, Process, Primary metals

Key applications:

Air compressors – positive displacement (air)

Reciprocating – used for high delta-P; typical discharge pressures are >1000 psig

Oil-flooded rotary screw – used for moderate pressures; typical discharge pressures are 40–120 psig

Rotary lobe – used for low pressures, typically in blower applications; typical discharge pressure <100 psig

Sliding vane – used for low pressures and vacuum pumps; typical discharge pressure <125 psig

Compressors (air)

Axial flow/Centrifugal: Used for high flow/low differential pressure applications

Products:

Mobil SHC™ Rarus Series oils

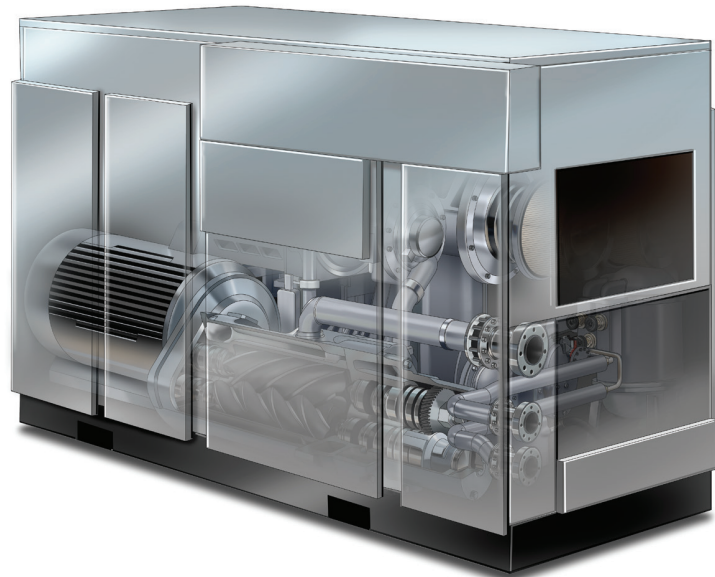
- oil-flooded rotary screw and rotary lobe sliding vane

Mobil Rarus™ 800 Series oils

- reciprocating compressors

Mobil SHC Cibus™ Series oils

- for food grade applications



Potential Mobil™ compressor oil series benefits:

Mobil SHC™ Rarus Series and Mobil Rarus™ 800 Series oils

- High viscosity index synthetic basestocks enable wide operating temperature range; helps maintain viscosity film at high temperatures and exceptional fluidity at low temperatures
- Outstanding oxidation and thermal stability; helps provide long oil and equipment life and low deposits to minimize equipment downtime and maintenance needs
- High load-carrying capability; protects bearings and gears from wear; helps extend equipment life and minimize maintenance needs
- Superb water separability; helps reduce sludge formation

Mobil SHC Rarus Series oils

- Can provide up to 24,000 hours of service life, guaranteed by a limited warranty*

Mobil Rarus 800 Series oils

- Low ash and carbon formation; helps minimize deposits and enhance valve performance, helping to minimize maintenance needs and unplanned downtime

Air compressors

Mobil SHC Cibus™ Series oils

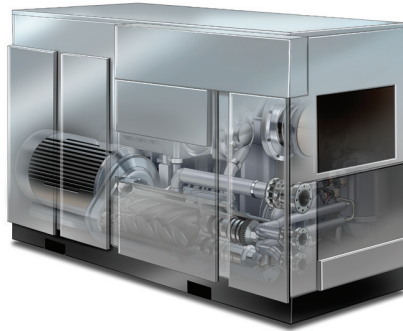
- NSF H1 registered; manufactured in facilities registered to the requirements of ISO 22000, ISO 21469 and GB 23280; helps maintain food-safe facility operation
- High viscosity index enables broad operating temperature range; helps maintain viscosity film at high temperatures and exceptional fluidity at low temperatures
- Excellent oxidation stability; helps promote long oil life and enhance equipment life, minimizing equipment downtime and maintenance needs
- Multipurpose capability; helps minimize inventory requirements and potential for product misapplication
- Good water tolerance and rust protection; helps resist component corrosion, maintains lubrication performance even after high-pressure washdowns

Proof of performance:

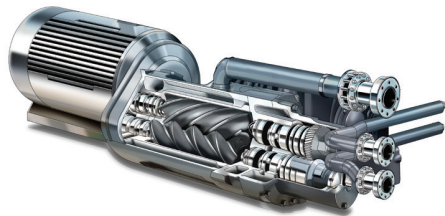
Please visit mobilindustrial.com for more information.

Looble™: The industrial products selector tool

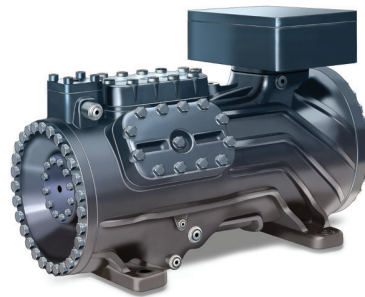
For specific recommendations to meet your needs, visit us at looble.com



Compressor



Rotary Screw



Axial

For examples of how Mobil™ synthetic industrial compressor oils have helped customers, contact your ExxonMobil representative.

Note: Schematic and product recommendations are intended as a general guide only. Products listed are typically the product series names. Please refer to equipment builder manual for final lubrication recommendations or consult your Mobil™ Industrial Lubricants team for additional products. NOT TO SCALE.

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