



# CHEVRON SYNTHETIC COMPRESSOR OIL FM

## ISO 46

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### PRODUCT DESCRIPTION

Chevron Synthetic Compressor Oil FM is a synthetic food grade lubricant designed for use in compressors where incidental food contact may occur.

### CUSTOMER BENEFITS

Chevron Synthetic Compressor Oil FM delivers value through:

- **Rust, corrosion, and foam protection**
- **Excellent high temperature oxidation resistance**, combined with protection against rust and corrosion, helps to minimize deposits and promotes long life free from gum or discoloration. This means minimal oil changes, oil consumption, and compressor maintenance, and helps to minimize the risk of fires and explosions.
- **Ready separation from water**
- **Extremely low pour point and low volatility** oil that is stable at high temperatures through use of synthetic hydrocarbon (PAO) base oil.
- **Wide operating temperature range** — Formulated for use in severe operating environments as low as -40°C (-40°F).

### FEATURES

Chevron Synthetic Compressor Oil FM is a PAO based, synthetic, food grade, compressor oil.

Although Chevron Synthetic Compressor Oil FM helps minimize the risk of fires and explosions, it is not a fire-resistant fluid.

### APPLICATIONS

Chevron Synthetic Compressor Oil FM ISO 46 is recommended for both rotary and reciprocating air compressors. It is particularly useful in applications

where incidental food contact may occur with oil in the discharge air.

Chevron Synthetic Compressor Oil FM may also be used where an R&O or mild antiwear hydraulic oil with high temperature stability and excellent low temperature fluidity performances are required.

Chevron Synthetic Compressor Oil FM is compatible in many ammonia refrigerant systems as well as systems containing R 12 refrigerant. Chevron Synthetic Compressor Oil FM is not compatible with HFC-134A type refrigerant.

Chevron Synthetic Compressor Oil FM is similar to mineral oil in its compatibility with paints, seals, gaskets and hoses including: Celcon, Delrin, epoxy paint, high nitrile Buna N, nylon, oil-resistant alkyd, PBT, Teflon and Viton.

Chevron Synthetic Compressor Oil FM:

- conforms to **U.S. Food and Drug Administration (FDA)** requirements of lubricants with incidental food contact, 21 CFR 178.3570. Lubricants with incidental food contact should not contaminate food at levels greater than 10 ppm.
- is registered by **NSF** and is acceptable as a lubricant where incidental food contact may occur (H1) in and around food processing areas. The NSF Nonfood Compounds Registration Program is a continuation of the USDA product approval and listing program, which is based on meeting regulatory requirements of appropriate use, ingredient review and labeling verification.
- is certified **Kosher** and **Pareve**.

Do not use in high pressure systems in the vicinity of flames, sparks and hot surfaces. Use only in well ventilated areas. Keep container closed.

Do not use in breathing air apparatus or medical equipment.

Product(s) manufactured in the USA.

Always confirm that the product selected is consistent with the original equipment manufacturer's recommendation for the equipment operating conditions and customer's maintenance practices.

A **Chevron** company product

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**TYPICAL TEST DATA**

	<b>Method</b>	<b>ISO 46</b>
<i>Product Number</i>		231019
<i>MSDS Number</i>		7291
Gravity API Specific Gravity at 15.6 °C (60°F)	ASTM D4052	36.9 0.84
Viscosity, Kinematic cSt at 40°C cSt at 100°C	ASTM D445	47.8 7.9
Viscosity, Saybolt SUS at 100°F SUS at 210°F	ASTM D2161	244 53
Viscosity Index	ASTM D2270	135
Flash Point, °C(°F)	ASTM D92	240(465)
Pour Point, °C(°F)	ASTM D97	-57(-70)
Autoignition Temperature, °C(°F)	E-659	380(715)
Evaporation, 22 hrs at 99°C (210°F), %	ASTM D972	<1
Rust Preventive Procedure A, Distilled Water Procedure B, Synthetic Sea Water	ASTM D665	Pass Pass
Foaming Tendency/Stability Sequence I Sequence II Sequence III	ASTM D892	Nil Nil Nil
Demulsibility at 54°C (130°F), mL (minutes)	ASTM D1401	40-40-0 (10)
Four-Ball Wear, Scar Diameter, mm, 75°C (1200 rpm, 40 kg)	ASTM D4172	0.4

Minor variations in product typical test data are to be expected in normal manufacturing.

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