



SINTETICO THOR

INDUSTRY

Description

Ester-based synthetic fluid, with additives that give it excellent resistance to oxidation and great thermal and chemical stability. Its low freezing point and anticorrosive capacity are notable characteristics.

Recommended uses

The product is recommended for lubricating alternative compressors in severe working conditions, for rotary compressors such as the blade type and screws where the fluid allows ample oil change periods. The characteristics of the product enable it to be used in vacuum pumps working in large vacuums and inert gas compressors.

Properties

- Strong resistance to oxidation.
- Longer intervals between draining.
- Great thermal and chemical stability.
- Reduced deposits of varnish and sludge.
- Low freezing point.
- High anticorrosive capacity.

Quality level

- DIN-51506-VDL
- ISO 6743/3 DAB, DAJ, DGE and DVE

Technical characteristics

| | UNIT | METHOD | VALUE | VALUE |
|------------------------------------|-------------------|-------------|-------|-------|
| ISO VG Grade | | | 68 | 100 |
| Density at 15°C | g/cm ³ | ASTM D 4052 | 0.932 | 0.961 |
| Viscosity at 40°C | cSt | ASTM D 445 | 67 | 96 |
| Viscosity at 100°C | cSt | ASTM D 445 | 10.38 | 10.22 |
| Viscosity index | | ASTM D 2270 | 142 | 85 |
| Pour point | °C | ASTM D 97 | -45 | -33 |
| Flash point, open cup | °C | ASTM D 92 | 262 | 274 |
| Rust, method A | °C | ASTM D 665 | Pass | Pass |
| Conradson Carbon after Pnerop Test | % | DIN 51352/2 | 0.59 | 0.26 |
| Scar diameter (4 balls), 40 kg | mm | ASTM D 4172 | 0.48 | 0.48 |

■ Points of interest

If a compressor previously used mineral oils, it should be totally drained before refilling with Sintético Thor. Any sludge at the bottom of the housing should also be cleaned out prior to refilling. We recommend that in such cases Sintético Thor be used as a cleaner, to be replaced after 50 hours of operation.

■ Hazard identification

This product is not classified as toxic or hazardous under current legislation.

■ Handling

Minimum precautions should be taken to avoid prolonged contact with the skin. The use of gloves, visors or glasses is recommended to avoid splashes.

■ Health and Safety Hazards

Inhalation: Given that it is not a particularly volatile product, the risk of inhalation is minimal.

Ingestion: Do not induce vomiting. Provide water. Seek medical advice.

Contact with the skin: Wash with plenty of water and soap.

Eyes: Wash thoroughly with water.

General measures: Seek medical advice.

■ Fire-fighting measures

No special measures required.

Fire-extinguishing measures: Foams, dry chemicals, CO₂, water spray. Do not apply the jet of water directly as this could cause the product to disperse.

■ Environmental precautions

Danger of physical pollution if spilt (water, coastlines, soil, etc.) due to its floatability and oily consistency that may harm flora and fauna on contact. Avoid material getting into water outlets.

Decontamination and cleaning: Treat like an accidental oil spill. Prevent dispersion using mechanical barriers and remove by physical or chemical means.

A safety information file is available on request.

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Unless otherwise indicated, the figures cited in technical characteristics should be considered typical.

Technical data sheet for Lubricants. Review 3. April 2011.