



# COMPRESSOR OIL

# SYNTH 46

## Product Description:

**COMPRESSOR OIL SYNTH 46** is an advanced fully synthetic ashless air compressor lubricant developed for use in rotary compressors of screw or vane design, reciprocating compressors and centrifugal compressors. **COMPRESSOR OIL SYNTH 46** is suited for single or multiple stage rotary screw or vane, centrifugal compressors and reciprocating compressors of various OEMs including Hydrovane, Atlas Copco, CompAir, and Worthington.

**COMPRESSOR OIL SYNTH 46** is based on high quality Polyalphaolefin (PAO) base oil in combination with an unique additive package to ensure the following properties:

- Outstanding thermo-oxidative stability.
- Excellent anti-wear protection leads to longer oil and equipment life.
- Low varnish and carbon forming tendency help in reducing maintenance cost.
- Extra high viscosity index.
- Excellent low temperature fluidity for use in wide operating temperature range.
- Zinc-free formulation ensures excellent filterability by minimizing oil filter blockage in wet condition.
- Excellent low volatility characteristics give low oil.
- Improved surface properties results in very good anti-foaming and air release properties and superior demulsibility.
- Offers excellent protection against rust and corrosion.
- Compatible with mineral lubricants and also with seals and paints normally used with mineral oils.

**COMPRESSOR OIL SYNTH 46** exceeds the following performance criteria.:

**DIN 51506 VDL**

**ISO 6743-3-DAB/DAJ**

| Property              | Unit               | Test Method | Typical Value |
|-----------------------|--------------------|-------------|---------------|
| ISO VG Class          |                    |             | 46            |
| Density @15°C         | kg/m <sup>3</sup>  | ASTM D4052  | 833           |
| Kin. Viscosity @ 40°C | mm <sup>2</sup> /s | ASTM D7042  | 46.6          |
| Kin. Viscosity @100°C | mm <sup>2</sup> /s | ASTM D7042  | 7.9           |
| Viscosity Index       |                    | ASTM D2270  | 139           |
| Flash Point COC       | °C                 | ASTM D92    | >200          |
| Pour Point            | °C                 | ASTM D97    | -63           |
| FZG A/8, 3/90°C       |                    | DIN 51354-2 | >12           |

**Product Nr:** 44130

**Date Superseded:** 18-06-2021

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**Revision nr:** 03

