

OCP Oil Prime 12000-46



Product Information

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OCP Europe B.V.

Jelle Zijlstraweg 62F

NL - 1689ZX - Zwaag

Description

OCP Oil Prime 12000-46 is a unique long-life compressor lubricant based on an innovative new Oil Soluble PAG (poly-alkylene-glycol) chemistry. This new product technology is specifically designed for rotary screw air compressor applications where currently a hydrocarbon (mineral oil or PAO) based compressor lubricant is used and the user wants to make an easy change to a high performance PAG-based compressor oil.

On top of the well-known advantageous properties of the standard PAG/ester-based compressor oils, this new product is contrary to other PAG-based products fully miscible with mineral oil, PAO or ester based products. The product is forgiving even if changeover procedures are not done 100% accurately. The performance attributes of OCP Oil Prime 12000-46 is comparable to the well known compressor oils based on the PAG/ester technology.

Key performance benefits:

- Fully compatible with hydrocarbon based lubricants / allows easy change over without flushing and cleaning fluid
- Performance profile like industry leading PAG/ester-based compressor oils
- Varnish free operation and dissolves varnish left by other lubricants
- Outstanding low and high temperature properties
- Very good protection against corrosion and thermo-oxidative degradation
- Outstanding lubricity for long lifetime of the compressor
- High thermal conductivity of the fluid leads to cooler running temperature
- 100% hydrolytic stable; beneficial for areas with poor air quality
- Extremely low carry over
- Blended with readily biodegradable base stocks

Application

OCP Oil Prime 12000-46 is the perfect choice for rotary screw air compressors operated under highly demanding conditions with long drain intervals (up to 12.000 operating hours possible depending on operating conditions). Main target application where the user wants to change from a hydrocarbon based to a high performance PAG-based compressor oil.

Elastomer & Paint Compatibility

OCP Oil Prime 12000-46 has been found to have a good compatibility with nitrile (medium and high nitrile) and Viton seal materials typically found in compressor seals and hoses.

The use of high quality epoxy paints is recommended as poly-alkylene glycols are not compatible with certain conventional paints.

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Change-over Procedure

OCP Oil Prime 12000-46 is based on a new oil soluble PAG chemistry and is therefore fully miscible / compatible with hydrocarbon (mineral oil or PAO) based compressor lubricants. This allows an easy oil change from hydrocarbon based compressor lubricants without typical flushing and cleaning procedures.

This product is specifically designed for an easy change over from a hydrocarbon based (mineral oil or PAO) to a high performance PAG-based compressor oil.

Product Safety Information / Safe Handling

Please consult the current Material Safety Data Sheet for detailed information on the toxicology, regulatory information and safe handling of OCP Oil Prime 12000-46.

OCP Oil Prime 12000-46 is not to be used in compressors that produce breathing air.

Typical Physical and Performance Properties

Property	Standard	OCP Oil Prime 12000-46
Density at 15°C	ASTM D4052	966kg/m ³
Viscosity at 40°C	ASTM D445	44,7mm ² /s
Viscosity at 100°C	ASTM D445	8,4mm ² /s
Viscosity index	ASTM D2270	166
Pour Point	ASTM D97	-54°C
Foam Tendency (sequences I-III)	ASTM D892	0/0; 0/0; 0/0
Flash Point	ASTM D92	267°C
AN/NZ	ASTM D664	0,09mgKOH/g
Air Release @50°C	ASTM D3427	<1min
4-Ball Wear, 392N, 1h, 75°C, 1200rpm	ASTM D 4172	0,46mm
Copper Strip Corrosion (3h, 100°C)	ASTM D 130	1a
Steel Corrosion sea water (method B, 24h)	ASTM D 665	Pass
Biodegradability (OECD 301B)		>60%