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DATA SHEET

RotEnergyPlus ISO 46

[PRODUCT CODE: #600000007A - #600000009A - #600000012A - #600000018A]

SCREW COMPRESSOR LUBRICANT

RotEnergyPlus 46 is recommended for use in air compressors, pumps, turbines, bearings and general plant equipment where premium performance is desired but the use of a fully synthetic oil is not a viable option.

RotEnergyPlus 46 is a high film strength, para-synthetic lubricant that offers renown performance advantages in an economical mineral / synthetic oil blend.

RotEnergyPlus 46 rapidly separates from water, extends oil drain intervals, keeps equipment clean, provides excellent protection against rust and corrosion.

TECHNOLOGY MAKES THE DIFFERENCE!

RotEnergyPlus 46 is a high quality lubricant that has been formulated specifically for use in rotary screw compressors. **RotEnergyPlus 46** assures rapid separation from water, reduces friction and energy consumption, lengthens maintenance intervals and guarantees excellent lubrication of all rotating parts. The synthetic additive forms a extremely resistant and slippery film on all of the metal surfaces which significantly increasing the lubrication properties, the film thickness and resistance of the oil. All of these factors contribute to prevent metal-to-metal contact, remove water from the metal surfaces, help to prevent rust and corrosion and prevent oil oxidation resulting from heat.

ADVANTAGES:

- High film strength: **RotEnergyPlus** offers 700% more load carrying capacity compared to other compressor oils for greater protection.
- Rapid water separation: **RotEnergyPlus** separates completely from water, which can be drain easily from the bottom of the oil sump.
- Saves energy: **RotEnergyPlus** greatly reduces friction, which produces energy savings.
- Reduces bearing vibrations: the super strong film that Rot energy Plus has combines with its ability to “micro-polish” the metal bearing surfaces to help reduce vibrations and protect bearings.
- Longer oil life: **RotEnergyPlus** has an excellent oxidation stability that greatly extends oil changes while keeping equipment clean.
- Excellent corrosion protection: **RotEnergyPlus** has a super tough film that forms an ionic bond on metal surfaces displacing corrosive moisture. This film protects during operation and acts as a preservative oil during shutdown.

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- Synthetic solvency: **RotEnergyPlus** has a natural solvency to clean up dirty equipment and maintain them clean.
- Compatible with seals: **RotEnergyPlus** has excellent seal compatibility
- Compatible with other oils: **RotEnergyPlus** is compatible and can be mixed with other mineral and synthetic oils. Not compatible with silicone or glycol synthetic.
- Environmentally responsible: The components of **RotEnergyPlus** are TSCA listed and meet EPA, RCRA and OSHA requirements. **RotEnergyPlus** increases oil change interval, eliminate premature oil changes, reduce the quantity of oil purchased, and reduces energy consumption.

TYPICAL PROPERTIES:

Color	**Red**
Grade ISO	**46**
Density at 15°C (kg/dm^3)	0.870
Viscosity:	
cSt @ 40°C	46
cSt @ 100°C	7.3
SSU @ 100°F	236
SSU @ 210°F	51
Viscosity Index	120
D-92 Flash Point °C	207
Pour Point °C	-31
D-1401 Demulsability	40/40/0/20
D-130 Copper corrosion:	
3 hours @ 210°F	1A
24 hours @ 210°F	1A
D-665 Rust	
Fresh water	Pass
Salt water	Pass
D-892 Foam Teat	Nil
D-2783 4-ball E.P. test	
weld load, kg.	315
D-2266 4.ball test Wear	
20 kg.	0.58
40 kg.	0.69