

### Anderol<sup>®</sup> C-NRT FGC 46

Anderol<sup>®</sup> Food grade lubricants compressors and vacuum pumps

#### Description

##### H1 Food Grade Inert Synthetic Compressor Lubricant

**Anderol<sup>®</sup> C-NRT FGC 46** is a unique H1 registered synthetic lubricant meeting all requirements of air compressors running in food processing plants.

It is specifically designed to provide inertness and long-term lubrication in industrial applications, where contact with (reactive) chemistries cannot be avoided.

Where any other chemistry fails, this product will withstand attacks of all aggressive gasses and resist the rapid breakdown which is unavoidable with any other mineral/ester/PAO based product.

The complementary thermal and oxidative stability of the base fluid in combination with oxidation inhibitors, extends lubricant life at elevated temperature conditions.

Thanks to its excellent detergency effect deposit/lacquering formation is avoided.

**Anderol<sup>®</sup> C-NRT FGC 46** is certified Kosher by the Orthodox Union and Halal by the Islamic Food Council of Europe.

**Anderol<sup>®</sup> C-NRT FGC 46** meets or exceeds the following specifications: DIN 51506

#### Features and Benefits

- Chemically inert to chemical gasses of acidic nature.
- No metal additives to interfere with catalytic processes.
- Increases maintenance intervals.
- Greatly reduces fire and explosion hazard.
- Lower oil consumption.
- Eliminates lacquering and deposits completely.
- Reduces energy consumption.

#### Compatibility

**Anderol<sup>®</sup>** synthetic hydrocarbon based lubricants are similar to mineral oils in their compatibility with paints, seals, gaskets and hoses. No special precautions related to compatibility are required when changing over from a mineral oil lubricant to an **Anderol<sup>®</sup>** synthetic hydrocarbon based lubricant.



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#### Application

Especially designed to lubricate vacuum pumps in combination with reactive gasses.

Also suitable for other rotary equipment.

Applicable in contact with following gases:

Air	Ethylene	Natural gas	Sulfur Hexafluoride
Butadiene	Helium	Methane	Bio gas
Carbon Monoxide	Hydrogen	Nitrogen	
Furnace (crack) gas	Fluoride gasses	Propane	
Carbon Dioxide (dry)	Hydrogen Sulfide (dry)	Synthesis Gas	

Nominal Operating Range -40°C to 170 °C.

#### Technical data\*

PROPERTY	METHOD	ANDEROL C-NRT FGC 46
ISO VG	ASTM D-2422	46
Appearance @ 20°C	Visual	Clear Yellow Liquid
Viscosity @ 40°C, cSt	ASTM D-445	44.3
Viscosity @ 100°C, cSt	ASTM D-445	7.4
Viscosity Index	ASTM D-2270	132
Density @ 15°C, kg/l	ASTM D-1298	0.842
Total Acid Number, mg KOH/g	ASTM D-664	0.15
Flash Point, °C	ASTM D-92	246
Pour Point, °C	ASTM D-97	-57
Demulsibility @ 54°C, min	ASTM D-1401	5

\*The analytical data are guide values.



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Consult safety data sheet (SDS) for additional handling information on **Anderol<sup>®</sup> C-NRT FGC 46**  
This product is NSF H1, Kosher, Halal registered and produced in a ISO 21469 certified plant.  
For registrations, certificates and approvals please refer to [anderol.com](http://anderol.com)

® = registered trade mark

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