

### Anderol<sup>®</sup> C-NRT Plus 100 FG

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

#### Description

##### H1 Inert Synthetic Vacuum Lubricant

**Anderol<sup>®</sup> C-NRT Plus 100 FG** is a unique, NSF/H1 registered, extremely stable synthetic based vacuum pump lubricant. It is specifically designed to provide extremely low reactivity 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 Plus 100 FG** is certified Kosher by the Orthodox Union and Halal by the Islamic Food Council of Europe.

#### 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 210 °C

#### Technical data\*

PROPERTIES	TEST METHOD	ANDEROL C-NRT PLUS 100 FG
ISO VG	ASTM D-2422	100
Appearance @ 20°C	Visual	Clear Yellow Liquid
Viscosity @ 40°C, cSt	ASTM D-445	109
Viscosity @ 100°C, cSt	ASTM D-445	12.4
Viscosity Index	ASTM D-2270	105
Density @ 15°C, kg/l	ASTM D-1298	0.89
Total Acid Number, mg KOH/g	ASTM D-664	0.05
Flash Point, °C	ASTM D-92	258
Pour Point, °C	ASTM D-97	-36
Demulsibility @ 82°C, min	ASTM D-1401	10
Evaporation Loss(%w/w), 22 hrs, 100°C	ASTM D-972	0.10

\*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 Plus 100 FG**  
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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