

# ANDEROL C-NRT FGC 32

## H1 Food Grade Inert Compressor Lubricant

## Product Data Sheet



**ANDEROL C-NRT FGC 32** 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.

### ADVANTAGES / BENEFITS

**ANDEROL** synthetic lubricants are the only long-life synthetic lubricants with over 60 years of successful performance.

- 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** 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** synthetic hydrocarbon based lubricant.

### APPLICATION

Cylinder and crankcase lubrication for centrifugal and screw compressors for the following gasses:

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

Nominal Operating Range -40°C to 210°C

| PROPERTIES                  | TEST METHOD | ANDEROL C-NRT FGC 32 |
|-----------------------------|-------------|----------------------|
| Appearance @ 20°C           | visual      | Clear yellow liquid  |
| Viscosity @ 40°C, cSt       | ASTM D-445  | 32.5                 |
| Viscosity @ 100°C, cSt      | ASTM D-445  | 5.82                 |
| Viscosity Index             | ASTM D-2270 | 122                  |
| Density @ 15°C, kg/l        | ASTM D-1298 | 0.8405               |
| Total Acid Number, mg KOH/g | ASTM D-664  | 0.15                 |
| Flash Point, °C             | ASTM D-92   | 234                  |
| Pour Point, °C              | ASTM D-97   | -63                  |
| Demulsibility @ 54°C        | ASTM D-1401 | 5                    |

FOR MORE INFORMATION PLEASE REFER TO THE RELEVANT MATERIAL SAFETY DATA SHEET

### APPROVALS / REGISTRATIONS



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