

Anderol[®] RCF-P 68FG

Anderol[®] Food grade lubricants compressors and vacuum pumps

Description

H1 High Performance Food Grade Compressor Lubricant

Original equipment manufacturers (OEMs) are paying increased attention to two "natural" refrigerants, ammonia (R717) and carbon dioxide (R744, CO2).

Anderol[®] RCF-P 68FG is a next generation synthetic compressor oil based on a mixture of specially selected non-toxic synthetic polyalphaolefins combined with a high performance additive technology.

Anderol[®] RCF-P 68FG meets the lubrication requirements of air compressors running in food processing plants.

Anderol[®] RCF-P 68FG meets or exceeds DIN 51503 KAA 68.

Anderol[®] RCF-P 68FG is NSF/H1 registered. The product is certified Kosher by the Orthodox Union and Halal by the Islamic Food Council of Europe.

Features and Benefits

- Fewer oil changes.
- Compatible with compressor seals, gaskets, hoses and system components.
- Reduced varnish, lacquer and deposits.
- Less maintenance intervals.
- Lower oil consumption.
- Excellent anti-wear properties.
- Rust and oxidation inhibited.
- Good water separation.
- Ammonia compatible.
- Low solubility and miscibility with commonly used refrigerants, resulting in higher film thickness in the presence of refrigerants under pressure.

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.

This product was tested and found compatible to be used in ammonia and carbon dioxide systems.



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Application

This product was especially designed for compressor systems using refrigerants such as ammonia and carbon dioxide, where incidental food contact may occur.

Large scale installations, using refrigerants, are fitted with oil separators. Thus, it is important to use a lubricant that is completely non-miscible with the refrigerant and with a low vapour pressure in order to avoid or minimize any oil being dragged into the circuit.

This product can also be used to lubricate CO₂ installations that are not or not very miscible. Its low miscibility with carbon dioxide makes it a suitable choice for screw compressors using carbon dioxide. **RCF-P 68FG** is compatible with most common refrigerants, except sulphur dioxide, and has been particularly successful in systems using ammonia as refrigerant.

Nominal Operating Range is -35/-40°C to 170°C.

Technical data*

PROPERTY	METHOD	ANDEROL RCF-P 68FG
ISO VG	ASTM D-2422	68
Appearance @ 20°C	visual	Clear colorless to light yellow liquid
Viscosity @ 40°C, cSt	ASTM D-445	65.6
Viscosity @ 100°C, cSt	ASTM D-445	10.1
Viscosity Index	ASTM D-2270	139
Density @ 15°C, kg/l	ASTM D-1298	0.839
Total Acid Number, mg KOH/g	ASTM D-664	0.04
Flash Point, COC, °C	ASTM D-92	266
Pour Point, °C	ASTM D-97	-54
Demulsibility @ 54°C	ASTM D-1401	15

**The analytical data are guide values.*



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Consult safety data sheet (SDS) for additional handling information on **Anderol[®] RCF-P 68FG**

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

® = registered trade mark

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