

CASSIDA FLUID RF Series

Synthetic lubricants for compressors used in ammonia refrigeration systems in the food industry

Performance Features

- Base fluids have an ability to provide superior lubrication under the majority of operating conditions
- Provide excellent control of deposits and sludge formation, particularly when used with ammonia. This permits extended oil drain intervals compared to mineral oil
- Excellent high temperature and oxidation stability
- Neutral odour and taste
- High viscosity index enables easy starting at low temperatures and good lubrication at elevated operating temperatures
- Good low temperature characteristics down to -40 °C The formulation facilitates rapid separation from the refrigerant in the oil separator



Certifications and Specifications

- NSF H1
- Kosher
- Halal
- DIN 51501-1 (KAA / KC)

Description

CASSIDA FLUID RF 46 and 68 are high performance fluids specially developed for use in ammonia refrigeration

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Product Information



LUBRITECH
Special Application Lubricants

compressors in the food and beverage processing industry. They are based on a careful blend of synthetic fluids chosen for their ability to meet the stringent requirements of this type of equipment in the food industry. Registered by NSF (Class H1) for use where there is potential for incidental food contact. Produced according to FLT Quality Standards, in facilities where HACCP audit and Good Manufacturing Practice have been implemented and form part of the quality and hygiene management systems ISO 9001 and ISO 21469.

Applications

- Recommended for use in open and semi-open compressors, both screw and reciprocating types. They are designed for applications with ammonia (R717) where they offer an excellent performance under high and low evaporation temperatures.
- They can also be used with isobutane (R600a) and CO₂ (R744). Use in this case after consultation of the respective compressor OEM only.

Seal and Paint Compatibility

Compatible with the elastomers, gaskets, seals and paints normally used in food machinery lubrication systems.

Handling and Storage

All food grade lubricants should be stored separately from other lubricants, chemical substances and foodstuffs and out of direct sunlight or other heat sources. Store between 0 °C and +40 °C. Provided that the product has been stored under these conditions we recommend to use the product within 5 years from the date of manufacture. Upon opening a pack, the product must be used within 2 years (or within 5 years of date of manufacture, whichever is the sooner).

Product Information



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Technical Data: CASSIDA FLUID

Characteristics	RF 46	RF 68	Unit	Test Method
NSF Reg. No.	145427	145428		
Colour	Colourless	Colourless		
Density [+15 °C]	832	835	kg/m ³	ISO 12185
Flashpoint	237	260	° C	ISO 2592
Pourpoint	-60	-57	° C	ISO 3016
Kin. Visc. [+40 °C]	49	68	mm ² /s	ISO 3104
Kin. Visc. [+100 °C]	8,4	10,5	mm ² /s	ISO 3104
Viscosity index	148	142		ISO 2909
Operating temperatures	-40 to +100	-40 to +100	° C	LLS 134
short-term peak	-50/+140	-50/+140	° C	

LLS = LUBRITECH Laboratory Specification

Typical for current production. Variations in these characteristics may occur.

As far as we know this information reflects the current state of knowledge and our research. It cannot, however, be taken as an assurance about the properties nor as a guarantee of the suitability of the product for the individual case in point. Before using our products the purchaser must, therefore, check their suitability and be satisfied that the output will be satisfactory. Please be aware that our products must not be used for applications in nuclear primary circuits or on-board aerospace systems. Our products undergo continuous improvement. We therefore retain the right to change our product program, the products, and their manufacturing processes as well as all details of our product information sheets at any time and without prior announcement, unless otherwise provided in customer-specific agreements. With the publication of this product information sheet, all previous editions cease to be valid.

We are specialized in developing products for extreme tribological problems in cooperation with end users.

FUCHS LUBRITECH provides service and individual advice. Please contact us!

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