

Product Information

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CASSIDA FLUID CR Series

Synthetic compressor lubricants for food manufacturing machinery

Performance Features

- Base fluids have an ability to provide superior lubrication under the majority of operating conditions
- Very good anti-wear performance resulting in greater plant utilisation
- CASSIDA FLUID CR has inherently good water shedding properties and resistance to foaming
- Excellent high temperature performance resists the formation of harmful products of oxidation at elevated temperatures, resulting in long oil life
- Neutral odour and taste
- High viscosity index
- Good protection against corrosion of all metal working surfaces
- Good low temperature properties down to -40 °C



Compressors



Roller bearings



Can seamers
and sterilisers



Partner
Programme



NSF registered

Certifications and Specifications

- NSF H1
- NSF ISO 21469
- Kosher
- Halal
- DIN 51506 VBL, VCL, VDL
- ISO 6743-3 DAG, DAH, DAJ

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Description

CASSIDA FLUID CR 32, 46, 68, 100 and 150 are high performance fluids specially developed for use in rotary screw and vane air compressors used in the food and beverage processing and packaging industry. They are based on a careful blend of synthetic fluids and selected additives chosen for their ability to meet the stringent requirements of the food industry. Certified by NSF for ISO 21469 and 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

- Screw and vane compressors
- Piston Compressors (ISO 100 and 150)
- Can Seamers (ISO 100)
- Plain and anti-friction bearings
- General purpose lubrication including light duty gearboxes

General Instructions

These products have demonstrated similar performance to conventional compressor lubricants in rotary air compressors operating at normal temperatures, e.g. up to +100 °C. It is strongly recommended that a used oil and/or equipment condition monitoring service be employed for extended periods of operation in excess of the pump manufacturers' recommended oil change intervals.

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

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sooner).

Technical Data: CASSIDA FLUID

Characteristics	CR 32	CR 46	CR 68	CR 100	CR 150	Unit	Test Method
NSF Reg. No.	144684	144685	144686	144687	145426		
Color	Pale yellow	Pale yellow	Pale yellow	Pale yellow	Pale yellow		
Density [+15 °C]	836	838	843	846	850	kg/m ³	ISO 12185
Flashpoint	247	252	256	258	253	° C	ISO 2592
Pourpoint	-57	-57	-57	-54	-54	° C	ISO 3016
Kin. Visc. [+40 °C]	32	46	68	100	155	mm ² /s	ISO 3104
Kin. Visc. [+100 °C]	6,14	7,88	10,9	14,6	19,8	mm ² /s	ISO 3104
Viscosity index	143	142	151	151	147		ISO 2909
Operating temperatures	-30 to +100	-30 to +100	-30 to +100	-30 to +100	-30 to +100	° C	LV0124
short-term peak	-40/+120	-40/120	-40/+120	-40/+120	-40/+120	° C	
Demulsibility [+54 °C]	5	15	15	20 (+82°C)	25 (+82°C)	min	ISO 6614

LV = 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 LUBRICANTS GERMANY provides service and individual advice. Please contact us!

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