Technical Data Sheet

COMPRESS SYNT FOOD 46

PAO synthetic compressor oil

Description

COMPRESS SYNT FOOD 46 is high performance synthetic compressor oil formulated in accordance with FDA 21 CFR 178.3570, certificated NSF H1 and corresponding to HALAL specifications. COMPRESS SYNT FOOD 46 is odourles and colourles food grade lubricant.

Use / application

COMPRESS SYNT FOOD 46 is particularly suitable for lubrication of rotatory compressors screw and vane compressors) and piston compressors used in foodstuff, pharmaceutical and cosmetic industries. These product is formulated on basis of PAO base oils and advanced additive technologies providing excellent oxidation resistance and therefore significantly prolonged oil change intervals. COMPRESS SYNT FOOD 46 is more suitable for use in screw compressors. COMPRESS SYNT FOOD exceeds VDL and VCL specifications according to norm DIN 51506.

Properties

Excellent oxidation resistance; minimized solid residuals; excellent demulsifying and air separation properties; long-life product; particularly suitable for inert gasses and carbon dioxide compressors (non suitable for oxygen compressors).

Technical Data

ISO Viscosity class			46
Density at 20°C	ASTM D4052	g/cm³	0.83
Viscosity at 40°C	ASTM D445	mm²/s	46
Viscosity at 100°C	ASTM D445	mm²/s	8.0
Viscosity index	ISO 2909		145
Flash point (COC)	ASTM D92	°C	248
Pour Point	ISO 3016	°C	-57
Corrosion protection (steel)	DIN 51355		0-A
Copper corrosion	ASTM D130		1
Demulsibility	ASTM D1401		40/40/0 15min
FoamingTendency I-III (24°C/93,5°C/24°C	ASTM D892		0/0/0
FZG Test (A/8.3/90)	ASTM D5182		11

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NILS Italia GmbH
Attn: Dr. Ivo Cordioli
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ITALY

RE COMPRESS SYNT FOOD 46
Category Code: H1
NSF Registration No. 123827

Dear Dr. Ivo Cordioli:

NSF has processed the application for Registration of **COMPRESS SYNT FOOD 46** to *the NSF Registration Guidelines for Proprietary Substances and Nonfood Compounds (2000),* which are available at www.nsf.org/usda. The NSF Nonfood Compounds Registration Program is a continuation of the USDA product approval and listing program, which is based on meeting regulatory requirements for appropriate use ingredient review and labeling verification.

This product is acceptable as a **lubricant with incidental food contact (H1)** for use in and around food processing areas. Such compounds may be used on food processing equipment as a protective anti-rust film, as a release agent on gaskets or seals of tank closures, and as a lubricant for machine parts and equipment in locations in which there is a potential exposure of the lubricated part to food. The amount used should be the minimum required to accomplish the desired technical effect on the equipment. If used as an anti-rust film, the compound must be removed from the equipment surface by washing or wiping, as required to leave the surface effectively free of any substance, which could be transferred, to food being processed.

This product is NSF Registered when the NSF Registration Number, Category Code, and Registration Mark appear on the NSF approved product label. The NSF Registration Mark can be downloaded from the NSF website, at **http://www.nsf.org/mark/download_marks.html.**

Registration of compounds by NSF International is in no way to be construed as an endorsement of the compounds, appropriate selection for use, or of any performance or efficacy claims made by the manufacturer.

Registration status may be verified at any time via the NSF website, at http://www.nsf.org/usda. Changes in the formulation or label, without prior written consent of NSF, will void registration, and will supersede the on-line listing.

Sincerely,

Alice Edmunds

Alice Edmunds
NSF Nonfood Compounds Registration and Listing Program

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