

Foodoil SVS 46

Art. 5722

Description: Foodoil SVS 46 is a synthetic high-performance lubricating oil for screw compressors, NSF H1 registered for the food, fodder and pharmaceutical industries and their suppliers.

Application: – Foodoil SVS 46 was developed for thermally highly stressed screw compressors. It can be used everywhere, in cases where a lubricant is required according to VDL 46 (DIN 51506). In addition to the use in industrial fields where NSF H1 is mandatory, Foodoil SVS 46 is also adequate for all other sectors of industry.

Product characteristics

- NSF H1 registered
FDA regulation 21 CFR 178.3570
Kosher certified
Halal certified
Odour- and tasteless
- Outstanding stability against ageing and oxidation
- Minimizes deposits
- Miscible and compatible with residues of conventional mineral oil based lubricants
- Does not affect commercial seal materials and paints
- Fulfils the requirements of VDL
- Free solvents and mineral oils. Free of genetically modified organisms (GMO)

Benefits

- High security against product contamination. Facilitates compliance with hygiene regulations as per Foodstuffs and utility articles ordinance (LGV). Supports the duty of care and compliance with the quality management according to DIN EN ISO 9001.
- Long oil-filling life
- High system cleanliness / low coking
- Simpler oil changeover in existing systems. However, food law requirements as per FDA Regulation 21 CFR 178.3570 / NSF H1 are only met with unmixed fluid
- No refitting required
- High operational reliability
- Corresponds to current health knowledge for lubricants used in the food-, feed and pharmaceutical industries and their suppliers

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| Physical-chemical data: | Viscosity at 40°C: | 46.0 mm ² /s | ISO 3104 |
| | Viscosity at 100°C: | 8.0 mm ² /s | ISO 3104 |
| | Viscosity Index: | 145 | ISO 2909 |
| | Density at 20°C: | 0.845 g/cm ³ | DIN EN ISO 12185 |
| | Steel corrosion: | 0A corrosion degree | DIN ISO 7120 |
| | Cu corrosion / 100°C: | 1a corrosion degree | DIN 51 759 |
| | Pourpoint: | -46°C | ISO 3016 |
| | Flashpoint: | 240°C | ISO 2592 |
| | Appearance: | transparent | |
| | Colour: | yellowish | |

Application: See overleaf

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Application: Screw compressors / changeover guidelines

- Changing from another oil to Foodoil SVS 46 requires that the system must be emptied as best as possible. Miscibility of the previous oil with Foodoil SVS 46 must first be clarified.
- These guidelines are based on findings in practice. Following these guidelines can improve operation with oil cooled/lubricated screw compressors, irrespective of oil type.
- Prior to changing, completely empty and clean the oil tank, remove the oil separator and clean its housing.
- Change the oil filter, check the thermostat and replace it in case of even the smallest deposits. New filling/flushing period: about 500 – 1000 hours, or ideally according to oil analysis results. The first analysis should already be after 100 hours. During the flushing procedure a filter change may be required, depending on system. If flushing is not possible, the oil separator must be changed as well.
- Check the oil temperature. It must not exceed 100°C for long. Excessively hot oil can cause various problems such as deposits and failure of thermostats and other components.
- After flushing, completely empty and clean the oil tank again and change the oil filter and separator. Check the thermostat again and replace it in case of even the smallest deposits.
- Regularly check the thermostat for deposits. It must function perfectly, or serious operating problems may occur.
- Significance of NSF H1: Lubricants that are approved for an incidental contact with food, feed and pharmaceutical products.

Safety and environmental aspects:

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| ADR/RID: | not dangerous goods |
| Precautions: | Do not allow product to get into ground water, water course or sewage system. |
| Water hazard class: | slightly water endangering (WGK 1) (German Regulation) |
| EC-waste code: | 13 02 06 |
| CH-waste code: | identical to EC-waste code (as per VeVA of 01.01.06) |
| Classification and labelling: | stated in the safety data sheet |



Container sizes:

Drum: 200 lt.

Canister: 5 lt. • 25 lt.

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