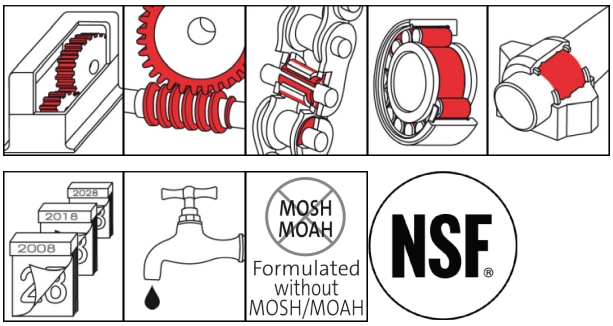


PRODUCT INFORMATION

a product brand of KLÜBER LUBRICATION

OKS 3740
Gear Oil, ISO VG 680



Description

Synthetic, high-performance Gear Oil ISO VG 680 with a very wide temperature range, designed for the food processing industry.

Applications

- Lubrication of mechanically stressed spur or bevel gears or epicyclic gear trains
- Liquid lubrication of chains, guides, joints, pumps, spindles or rolling and friction bearings
- Suitable for injection, immersion bath and immersion bath circulation lubrication

Branches

- Catering equipment and food processing technology
- Pharmaceutical, beverage and animal feed industries
- Cosmetics industry
- Plant and machine (tool) engineering
- Logistics
- Paper and packaging industry

Advantages and benefits

- NSF H1 registered
- Effective wear protection, high scuffing resistance
- Excellent ageing and oxidation stability
- Very wide operating temperature range
- Reliable lubricant film formation thanks to effective shear stability
- Low foaming
- Effective corrosion protection
- Strong elastomer compatibility
- Formulated without MOSH/MOAH

Application tips

Clean the lubricating point thoroughly for optimal effect. Before filling gears for first time, remove anti-corrosion agent. Fill the gears so that the immersing teeth transport the lubricant reliably. Apply a sufficient amount of lubricant with a brush, drip oiler, by immersion or using a suitable automatic lubrication system. Observe the gear and machine manufacturer's instructions. Assess the lubrication frequency and quantity on basis of service conditions. Only mix with suitable lubricants.

Packaging

- 5 l Canister
- 25 l Canister

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Technical data

	Standard	Conditions	Unit	Value
Main components				
base oil				synthetic oil mixture
Application related technical data				
marking	DIN 51 502	DIN 51 825		CLP HC 680
viscosity	DIN 51 562-1	at 40°C	mm^2/s	680
viscosity	DIN 51 562-1	at 100°C	mm^2/s	72
viscosity index	DIN ISO 2909			>180
viscosity class	DIN ISO 3448	DIN 51 562-1, 40°C	ISO VG	680
pour point	DIN ISO 3016	3°C step	°C	< -40
flashing point	DIN ISO 2592	> 79, open crucible	°C	> 255
lower operating temperature			°C	-40
upper operating temperature			°C	140
colour				colourless-yellow
density	DIN EN ISO 3838	at 20°C	g/cm^3	0.85
Copper corrosion	DIN EN ISO 2160	24h, 100°C	corr. degree	1-100
FZG wear protection test	DIN ISO 14 635-01	A/8,3/90	power level	> 14
Product specific technical data				
Corrosion Protection Steel	DIN ISO 7120	24h, 60°C		no rust
Properties and approvals				
approval for food processing technology				NSF H1, Reg.-Nr. 135754

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The data in this document is based on our general experience and knowledge at the time of publication and is intended to give information of possible applications to a reader with technical experience. It constitutes neither an assurance of product properties nor does it release the user from the obligation of performing preliminary field tests with the product selected for a specific application. All data are guide values which depend on the lubricant's composition, the intended use and the application method. The technical values of lubricants change depending on the mechanical, dynamical, chemical and thermal loads, time and pressure. These changes may affect the function of a component. We recommend contacting us to discuss your specific application. If possible we will be pleased to provide a sample for testing on request. Klüber products are continually improved. Therefore, Klüber Lubrication reserves the right to change all the technical data in this document at any time without notice.

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