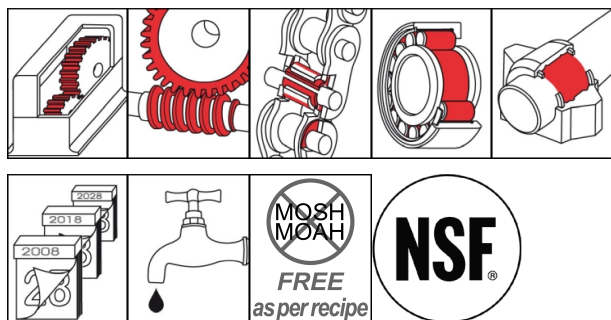


## OKS 3740

### 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
- MOSH/MOAH-free (according to formula)
- 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
- MOSH/MOAH-free (as per recipe)

#### 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

# OKS 3740

## Gear Oil, ISO VG 680

### Technical data

|                                           | Standard          | Conditions          | Unit               | Value                                  |
|-------------------------------------------|-------------------|---------------------|--------------------|----------------------------------------|
| <b>Main components</b>                    |                   |                     |                    |                                        |
| base oil                                  |                   |                     |                    | synthetic oil mixture                  |
| <b>Application related technical data</b> |                   |                     |                    |                                        |
| marking                                   | DIN 51 502        | DIN 51 825          |                    | CLP HC 680                             |
| viscosity                                 | DIN 51 562-1      | at 40°C             | mm <sup>2</sup> /s | 680                                    |
| viscosity                                 | DIN 51 562-1      | at 100°C            | mm <sup>2</sup> /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 <sup>3</sup>  | 0.85                                   |
| SKF-EMCOR Copper                          | DIN EN ISO 2160   | 3H_100C             | corr. degree       | 1-100                                  |
| FZG wear protection test                  | DIN ISO 14 635-01 | A/8,3/90            | power level        | > 14                                   |
| <b>Product specific technical data</b>    |                   |                     |                    |                                        |
| Corrosion Protection_Steel                | DIN ISO 7120      | 24h, 60°C           |                    | no rust                                |
| <b>Properties and approvals</b>           |                   |                     |                    |                                        |
| approval for food processing technology   |                   |                     |                    | <a href="#">NSF H1_Reg.-Nr. 135754</a> |

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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.