# Product Information

# TUNGEAR H1-68

**Fully synthetic gear and hydraulic oil for the food processing industry**

## Benefits

- ✔ Reliable operation due to a high level of protection against seizing (LS ≥ 12) and micro-pitting (GFT agent)
- ✔ Extended oil change intervals due to higher thermal stability of synthetic base oil compared to mineral-oil-based gear oils
- ✔ NSF H1-registered for increased product and process reliability
- ✔ Gear oils in the TUNGEAR H1 range are based on synthetic oils, have excellent lubrication performance and feature wear, oxidation and corrosion inhibitors

## Properties

- ✔ NSF H1-registered
- ✔ ISO 21469, Kosher- and Halal-certified
- ✔ Excellent corrosion protection, resistant to ageing and shearing
- ✔ Reduces friction and wear
- ✔ High pressure rating
- ✔ Reduces running noises and vibrations
- ✔ High viscosity index

## Application area

- ✔ Food manufacturing and processing industry:
- ✔ Bakeries, bread factories, dairies, abattoirs, meat factories, animal farms, beverage and packaging industries
- ✔ High-pressure hydraulic systems
- ✔ Gears, especially under extreme conditions such as high or low temperatures and large sliding contact area, high surface pressure and shock loads
- ✔ Slide and roller bearings, spindles, guides, cams, universal joints
- ✔ Compressors

## Instructions

Gearbox oils in the TUNGEAR H1 range must be used in accordance with the requirements of the gear and/or system manufacturer. Application via oiler, oil can, brush or central lubrication unit.
If the product is to be used in the food processing industry: Only the minimum quantity technically necessary may be used. If the product is to be used as an anti-corrosive film for surfaces in contact with food, it must be completely removed before the device in question is used again.

| Product Description | Contents | Weight of content | Gross weight | Article Number | Packaging Unit |
|---|---|---|---|---|---|
| TUNGEAR H1-68 | 20 l | 16.84 kg | 17.72 kg | 1101026 | 1 PCS |

The information provided here is based on our general technical experience and knowledge related to printing. All specifications are guidelines based on product design, the specified use and mechanical and systems engineering. But the information does not represent any pledge about features or any assurance about the product's suitability for use in a particular case. The user is not released from the responsibility of testing the product.
Depending on the mechanical, dynamic, chemical and thermal stresses to which they are subjected, lubricants alter their technical values on a pressure- and time-dependent basis. The changes can have an impact on the function in the application.
TUNAP products are continuously refined. We reserve the right to change all technical data in this document at any time and without any prior notification. Obligations of any kind are in no way implied.

# Product Information

| Technical Product Data | TUNGEAR H1-68 |
|---|---|
| **Density/conditions** | 0.842 g/cm³ / at 20°C |
| **Colour spectrum** | Colourless<br>Light yellow |
| **Oil basis** | PAO \|\| Polyalphaolefin \|\| PAO-Polyalphaolefin |
| **Kinematic viscosity / condition** | 68 mm²/s / at 40°C |
| **Rating copper corrosion/conditions** | 1-100 / after 24h at 100°C, nach DIN 51811 |
| **Scuffing test (FZG)/conditions** | 12 / in accordance with DIN ISO 14635-1 |
| **Min. flashing point /conditions** | 250 / in accordance with ISO 2592 |
| **Pour point** | -40 °C |
| **Min./max. temperature conditions** | -30 to 120 °C |

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