

# Technical Data

## FOODLUBE® Hi-Torque Range

High performance, food grade, synthetic gearbox fluids

Viscosity grades: ISO VG 150, 220, 320, 460



Nonfood Compounds  
Program Listed: H1  
ISO 21469 Certified

### Description

ROCOL® FOODLUBE® Hi-Torque is a range of non-toxic high performance synthetic gearbox lubricants are supplied in viscosity grades: ISO VG 150, 220, 320 & 460.

The majority of wear in a gearbox occurs on start up and the high performance FOODLUBE Hi-Torque gear oils are reinforced with a unique Start Up Protection System (SUPS) that ensures the oil remains on the gear teeth even after prolonged shutdown. This ensures that the gears are immediately protected when the gearbox starts up without having to wait for the service lubricant to be picked up and splashed around inside the box.

### Applications / Industries

- Enclosed Gearboxes
- Chains

### Approvals

FOODLUBE Hi-Torque Spray does not contain: mineral hydrocarbons, animal derived materials, nut oils or genetically modified ingredients.

FOODLUBE Hi-Torque is manufactured from only FDA listed ingredients: FDA Group 21 CFR 178.3570

NSF H1 registered

ISO 21469

Halal approved

Kosher approved

Vegan Society approved

### Features & Benefits

- FOODLUBE Hi-Torque gear oils offers excellent wide temperature resistance of -20°C to +150°C
- Suitable for all types of gear design within enclosed gearboxes
- Start Up Protection System (SUPS) reducing gear wear
- The range has outstanding EP performance up to FZG load stage 12
- A tenacious, EP film with excellent water wash off resistance and corrosion protection
- Excellent thermal stability resulting in extended relubrication intervals and a reduction in lubricant usage
- Foodlube Hi-Torque 320 & 460 are ideal for high temperature chains up to 180°C

### Directions For Use

For optimum performance drain & flush prior to filling with FOODLUBE Hi-Torque oils.

Additive packages are not required with FOODLUBE Hi-Torque oils due to their inherent EP Performance

The storage temperature should be controlled between +1°C and +40°C.

Shelf life is 3 years from date of manufacture.

### Further Information

For pack sizes, part codes and safety data sheets please visit [www.rocol.com](http://www.rocol.com) or get in touch with our customer service team who will be happy to help: [customer.service@rocol.com](mailto:customer.service@rocol.com)

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Property	Test Method	Result		
Appearance	Visual	Pale yellow, almost colourless, liquid		
Base Type	N/A	Polyalphaolefin		
Additives	N/A	SUPS		
Base Fluid Viscosity & VI		40°C	100°C	VI
FOODLUBE Hi-Torque 150	IP71 – ASTM D445	150cSt	17.7cSt	130
FOODLUBE Hi-Torque 220	IP71 – ASTM D445	220cSt	24.9cSt	138
FOODLUBE Hi-Torque 320	IP71 – ASTM D445	320cSt	29.9cSt	143
FOODLUBE Hi-Torque 460	IP71 – ASTM D445	460cSt	38.5cSt	131
Temperature Range - Standard	N/A	-20°C to +150°C		
FZG Load Stage A/8.3/90	IP334 – ASTM D5182	12		
FAG FE8 rolling bearing test				
Wear (element)	DIN 51819-3, D7.5/80-80	<30mg		
Wear (cage)	DIN 51819-3, D7.5/80-80	<200mg		
Anti-corrosion (steel)	DIN ISO 7120 (A)	No rust		

Values quoted above are typical and do not constitute a specification.

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