Technical Data

Performance you can trust

FOODLUBE® Hi-Torque (with SUPS)

High performance, food grade, synthetic gearbox fluids
Viscosity grades: ISO VG 150, 220, 320, 460

ISO 21469 Certified

Product Overview

The ROCOL® FOODLUBE Hi-Torque range of non-toxic 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.

The FOODLUBE Hi-Torque range of tenacious, EP gear oils contain additives to boost performance and improve adhesion and are ideal for use in food, pharmaceutical and other clean environments where NSF H1 lubricants are required.

Features and Benefits

- FOODLUBE Hi-Torque gear oils offers excellent wide temperature resistance of -20°C to +150°C.
- FOODLUBE Hi-Torque 320 & 460 are ideal for high temperature chains up to 180°C.
- The range has outstanding EP performance up to FZG load stage 12.
- FOODLUBE Hi-Torque gear oils provides a tenacious, EP film with excellent water wash off resistance and corrosion protection.
- FOODLUBE Hi-Torque gear oils have excellent stability resulting in extended relubrication intervals and a reduction in lubricant usage.

Directions for Storage and Use

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

Specifications

- FOODLUBE Hi-Torque oils do not contain: mineral hydrocarbons, animal derived materials, nut oils or genetically modified ingredients.
- FOODLUBE Hi-Torque oils are manufactured from only FDA listed ingredients: FDA Group 21 CFR 178.3570
- FOODLUBE Hi-Torque oils are NSF registered:
    - FOODLUBE Hi-Torque 150 – 121604
    - FOODLUBE Hi-Torque 220 – 122073
    - FOODLUBE Hi-Torque 320 – 122072
    - FOODLUBE Hi-Torque 460 – 122071
- ISO 21469
- Halal certified
- Kosher certified
- DIN 51517-3 CLP

Pack Sizes

Pack Size	Part Code		
FOODLUBE Hi-Torque	5L	20L	200L
150	15426	15425	15429
220	15526	15525	15529
320	15766	15765	15769
460		15775	15779

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FM 12448 EMS 67596 OHS 78173

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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		
Extreme low temperatures (Contact Technical Department to discuss specific applications)	N/A	Can be used down to -50°C depending on viscosity grade and application		
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.

Safety Data Sheets

Safety data sheets are available for download from our website www.rocol.com or may be obtained from your usual ROCOL contact.
The information in this publication is based on our experience and reports from customers. There are many factors outside our control or knowledge which affect the use and performance of our products, for which reason it is given without responsibility. Issue: 4 Date: 10-17

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