

HT70

High temperature, non-carbonising, lubricant containing molybdenum disulphide

Product Overview

ROCOL® HT 70 is a high molecular weight hydrocarbon polymer, containing molybdenum disulphide that evaporates slowly at high temperatures leaving minimal deposits.

ROCOL® HT 70 is designed for the lubrication of slow speed plain and anti-friction bearings (less than 300 rpm) operating at high temperatures (over 180°C) where normal greases leave heavy deposits causing blockages and jamming that can eventual lead to bearing failure.

Features and Benefits

- Excellent high temperature resistance – operating from +180°C to +300°C.
- ROCOL® HT 70 is designed for high temperature applications running under 300 rpm only.
- ROCOL® HT 70 gives negligible deposit formation thereby increasing component life.
- ROCOL® HT 70 evaporates slowly at high temperatures leaving a film of molybdenum disulphide which provides emergency protection if the HT70 is allowed to evaporate away completely before relubricating.
- ROCOL® HT 70 is a tenacious, pourable, fluid lubricant simplifying its application in the bottom bearings or rotary rack ovens.

Directions for Storage and Use

- ROCOL® HT 70 can be used in bearings normally grease lubricated and may be applied by a high-pressure hand grease gun, spatula or pouring.
- Only sufficient HT70 should be applied to wet all the running surfaces thoroughly. Over-application will result in leakage from the bearing.
- It is advisable to clean bearings before first applying ROCOL® HT 70 in order to ensure minimum deposit formation.
- HT 70 is generally not suitable for application by automatic grease systems.
- ROCOL® HT 70 needs to evaporate cleanly from the application and therefore should not be used in enclosed systems that may inhibit the evaporation process.
- The storage temperature should be controlled between +1°C and +40°C.
- Shelf life is 3 years from date of manufacture.

Typical Applications

ROCOL® HT 70 is ideal for the bottom bearings in rotary rack ovens and other slow moving bearings subjected to high temperatures between +180°C to +300°C.

Pack Sizes

Pack Size	Part Code
4 kg	12106

Technical Data

ROCOL®

Performance you can trust

HT70

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Typical Properties

Property	Test Method	Result
Appearance		Dark grey viscous liquid
Base Type		Hydrocarbon polymer
Solids		Molybdenum disulphide
Base Fluid Viscosity at 40°C		19 000 cSt
Base Fluid Viscosity at 100°C		640 cSt
Temperature Range		+180 °C to + 300 °C
4-Ball:	IP 239 – ASTM D2596	
Weld Load		180 kg
Mean Hertz Load		38 kg
Corrosion Tests -		
5% salt spray for 7 days	ASTM B117	No corrosion
24 hrs at 100°C - mild steel	IP 122	No stain
24 hrs at 100°C - copper	IP112 – ASTM D130	No stain

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.

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