

HT70



High temperature, non-carbonising, lubricant with molybdenum disulphide

Product Overview

ROCOL[®] HT70 is a high molecular weight hydrocarbon polymer, containing molybdenum disulphide that evaporates slowly at high temperatures leaving minimal deposits.

ROCOL HT70 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 eventually lead to bearing failure.

Features and Benefits

- Excellent high temperature resistance – operating from +180°C to +300°C.
- ROCOL HT70 is designed for high temperature applications running under 300 rpm only.
- ROCOL HT70 gives negligible deposit formation thereby increasing component life.
- ROCOL HT70 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 relubrication.
- ROCOL HT70 is a tenacious, pourable, fluid lubricant simplifying its application in the bottom bearings or rotary rack ovens.

Directions for Storage and Use

- ROCOL HT70 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 HT70 in order to ensure minimum deposit formation.
- HT70 is generally not suitable for application by automatic grease systems.
- ROCOL HT70 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.

Specifications

- HT70 does not contain: mineral hydrocarbons, animal derived materials, nut oils or genetically modified ingredients.
- NSF H2 registered - 147731

Pack Sizes

Pack Size	Part Code
4kg	12106



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Property	Test Method	Result
Appearance	Visual	Dark grey viscous liquid
Base Type	N/A	Hydrocarbon polymer
Solids	N/A	Molybdenum disulphide
Base Fluid Viscosity at 40°C	IP71 – ASTM D445	19 000cSt
Base Fluid Viscosity at 100°C	IP71 – ASTM D445	640cSt
Temperature Range	N/A	+180°C to + 300°C
4-Ball:		
Weld Load	IP 239 – ASTM D2596	180kg
Mean Hertz Load	IP 239 – ASTM D2596	38kg
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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