Technical Data

Performance you can trust

AEROSPEC® 250

Multi-purpose, extreme low temperature, molybdenum disulphide aerospace grease

Product Overview

ROCOL® AEROSPEC 250 is an extremely low temperature aerospace grease containing molybdenum disulphide for improved performance.

ROCOL AEROSPEC 250 is designed to give outstanding operational performance on a wide range of airframe components including splines, sliding surfaces and anti-friction bearings where high loads are encountered.

ROCOL AEROSPEC 250 demonstrates excellent low temperature performance with extremely low starting and running torque figures.

ROCOL AEROSPEC 250 provides excellent performance in the presence of water.

Features and Benefits

- ROCOL AEROSPEC 250 offers excellent performance in extreme temperatures ranging from -73°C to +120°C.
- ROCOL AEROSPEC 250 is a molybdenum disulphide, lithium complex soap thickened lubricant with a low viscosity synthetic base fluid for excellent low temperature performance.
- ROCOL AEROSPEC 250 provides exceptional stability in the most extreme conditions.
- ROCOL AEROSPEC 250 is highly resistant to water washout.

Directions for Storage and Use

- Ensure all components are clean and free from any contaminants before lubricating with AEROSPEC 250.
- It is recommended that previous lubricants are cleaned out of the equipment prior to filling with AEROSPEC 250.
- AEROSPEC 250 can be applied manually, by grease gun, keg pump or by other methods suitable for an NLGI No. 2 grease.
- The storage temperature should be controlled to between +1 and +40°C.
- Shelf life is 3 years from date of manufacture.

Specifications

ROCOL AEROSPEC 250 is approved to:

- DEF STAN 91-57/2
- JSD XG 276
- NATO G-353
- Rolls Royce Specification – R-R OMAT 476B

Pack Sizes

Pack Size	Part Code
75g	16521
3kg	16526

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Property	Test Method	Result
Appearance	N/A	Smooth blue/black grease
Base Fluid Type	N/A	Synthetic
Viscosity at 40°C	IP 71	8.6cSt
Viscosity at 100°C	IP 71	2.5cSt
Thickener	N/A	Lithium complex soap
Lubricating solids	N/A	Molybdenum disulphide
NLGI No.	IP 50, ASTM D217	2
Temperature Range	N/A	-73°C to +120°C
Drop Point	IP 396	>200°C
Copper Corrosion	IP 112 – ASTM D130	Pass (24 hours at 100°C)
Water Washout	IP 215	7.5%
Emcor Rating	IP 220	0 : 0
Oxidation Stability:		
Pressure Drop after 100 hrs	IP 142	4psi
Pressure Drop after 500 hrs	IP 142	11psi
Low Temp Torque Test:		
Starting Torque at -73°C	IP 186	190mNm
Running Torque at -73°C	IP 186	130mNm

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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