ASO Oil Reinforcement

Molybdenum disulphide oil reinforcement for non-EP mineral oils

Product Overview

ROCOL® ASO Oil Reinforcement is an oil concentrate containing extremely fine particles of molybdenum disulphide for addition to all types of basic mineral oils to form a stable suspension of molybdenum disulphide reinforced oil.

ROCOL ASO Oil Reinforcement can be added to mineral oils already in use in gearboxes, bearings and compressors to reinforce the base oil against overload, shock loading etc...

ROCOL ASO Oil Reinforcement can help to prolong the life of an ailing gearbox until replacement or repair can be planned in to a maintenance schedule.

Features and Benefits

- ROCOL ASO Oil Reinforcement is economical in use as only a 5% to 10% dilution is required.
- The molybdenum disulphide in ASO increases the load carrying and wear resistance properties of the existing mineral oil.
- ROCOL ASO Oil Reinforcement protects during initial start up where the majority of gearbox wear occurs.
- ROCOL ASO Oil Reinforcement is miscible with all types of mineral oil and raises the performance level of straight, non EP mineral gearbox oils.
- ROCOL ASO Oil Reinforcement does not affect viscosity of base oil already in use.

Directions for Storage and Use

- ROCOL ASO Oil Reinforcement has been specifically balanced to provide maximum benefit with only a 10% addition.
- ROCOL ASO Oil Reinforcement is a medium viscosity oil and it does not affect the viscosity of the base oil already in use.
- For best results use ROCOL ASO Oil Reinforcement in the correct dilution by adding it to a gearbox already containing a straight non-EP mineral oil.
- The storage temperature should be kept below +50°C, and the storage area should be out of direct sunlight.
- Shelf life is 2 years from date of manufacture.

Typical Applications

- ROCOL ASO Oil Reinforcement can be added to mineral oils already in use in gearboxes, bearings and compressors to reinforce the base oil against overload, shock loading etc...
- ROCOL ASO Oil Reinforcement is also used in oil filled switchgear.

Pack Sizes

Pack Size	Part Code
5L	16016

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ROCOL A division of ITW Ltd

BS EN ISO 9001 Certificate No. FM 12448
BS EN ISO 14001 Certificate No. EMS 67596
OHSAS 18001 Certificate No. OHS 78173

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Property	Test Method	Result
Appearance	Visual	Oily blue/black liquid
Base Fluid	N/A	Severely refined mineral oil
Base Fluid Viscosity at 40°C	IP 71	109cSt
Base Fluid Viscosity at 100°C	IP 71	9cSt
Viscosity Index	IP 226	70
Solids	N/A	Molybdenum disulphide
Solids Particle Size	N/A	Average 0.5 micron
Solids Content	N/A	3% by weight
Dilution Rate (approximately)	N/A	10% ASO to 90% mineral oil

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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