ZAP GREASE MOLY

Description

ZAP Grease MOLY is a high performance lubricating grease intended for lubrication in heavy-duty applications, where the equipment is subjected to vibrations and strong shock loads. It is based on a mixed lithium-calcium soap thickener system and a severely hydro-treated mineral base oil of medium high viscosity, to ensure fast removal of heat from the lubricating film. The grease contains antioxidants, corrosion inhibitors and EP/AW additives, a tackiness agent and Molybdenum Disulfide as a dry lubricant.

Application

ZAP Grease MOLY is specially developed for shock loaded and vibrating applications where protection against water washout is very important. It is suitable for heavy-duty transport, agricultural, forestry, mining/quarrying, construction equipment and other off-road vehicle lubrication, which are exposed to severe water contamination.

It is also suitable for use in heavy duty marine and off-shore applications where grease is used in the presence of water.

ZAP Grease MOLY is recommended as a multi-purpose EP grease for general lubrication of industrial machinery: bearings, chains, universal joints, axles, linkages, slides and applications where a grease with solid lubricants is required.

Operating temperature range: –25^{0}C to 130^{0}C.

Technical Specifications

ISO 6743-9: ISO-L-XBCHB 2
DIN 51 502: MPF2K-25
ASTM D4950: GC-LB

Performance Features

- ***Very Good Extreme Pressure properties***
  Withstands heavy and shock loads without failure of the lubricant film: four-ball weld load 400 kgf. Extends equipment and moving component life span under shock -loaded and vibration conditions.
- ***Additional Wear Protection***
  Contains dry lubricants providing ultimate protection against wear, avoids jamming or sticking of moving parts
- ***Exceptional Water Resistance***
  The thickener structure offers a high level of resistance to water wash-out
- ***Protection against rust and corrosion***
  Protects metal parts against rust and corrosion, even when the grease is contaminated with water
- ***Excellent Mechanical Stability and High Shear Resistance***
  This is particularly important where poor mechanical stability can lead to grease softening and leakage
- ***Good Adhesive Properties***
  Ensures that the grease stays in place for longer re-lubrication intervals
- ***Wide Operating Temperature Range***
  Reliable lubrication at high and low temperatures. Does not liquefy until >185°C
- ***Contains Molybdenum Disulfide***
  Reduces friction under very high loads and/or strong shock loads. Molybdenum disulfide retains lubricity after complete oil loss or overheating
- ***Wide Range of Applications***
  An exceptionally versatile Grease

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Technical Data

Characteristics	Test Method	Unit	Typical Value
NLGI grade	ASTM D 217	-	2
Thickener		-	Lithium-Calcium
Base Oil			Mineral
Base Oil Viscosity at 40°C		mm^2/s	220
Colour	Visual	-	Dark Grey
Appearance	Visual	-	Smooth, Homogenous
Cone Penetration, Worked	ISO 2137	1/10 mm	265 – 295
Dropping Point	ISO 2176	°C	>185
Oil Separation, 42h @ 40^0C	IP 121	%	<3
Corrosive Effects on Copper	ASTM D4048	24h at 100^0C	max 1
Dynamic Rust Test, EMCOR	ISO 11007	Rated	0-0 Distilled Water
Water Washout Test	ISO 11009	%	<6.5 (80°C, wt.% loss)
Water Resistance Test	DIN 51 807-1	-	1-90 Typical
Four-Ball Weld Load	ASTM D2596	kgf	400
Four-Ball Wear Test, Wear Scar	ASTM D2266	mm	0,48 typical
Operating Temperature Range		°C	-25°C to 130°C

Above characteristics are mean values given as information for guidance purposes only.
No warranty expressed or implied is given concerning the accuracy of the information or the suitability of the product

Product Data

Stock No. Z-7 / Z-7.1 / Z-7.3
Packages: 400 g Pull-Off Cartridge / 18 kg Keg / 180 kg Drum
24 Cartridges per Box
50 Boxes per Pallet / 33 Kegs per Pallet / 4 Drums per Pallet
Barcode Cartridge / Box: 4752134000291 / 4752134000437
Barcode 18 kg Keg / 180 kg Drum: 4752134000307 / 4752134000314
Shelf Life: 5+ years (from date of manufacture)