

## LL 102 Grease

### Heavy duty, extreme pressure grease

#### Product description

- Mineral oil grease
- Lithium soap
- MoS<sub>2</sub>
- White solid lubricants
- EP additives
- Inhibitors

#### Features & benefits

- Prevents metal-to-metal contact, reduces friction, wear and protects against fretting corrosion
- Resistant to hot or cold water and water washout
- Solid film lubricants increase the load bearing, provide emergency running in and boundary lubrication
- Protects against corrosion
- Good performance under moderate to high loads and medium speeds under reciprocating motions

#### Applications

- Use successfully for roller bearing, all types of anti-friction bearings, plain bearings, roller guides, threaded spindles, splined shafts, taper bearings, needle roller bearings, ball and socket joints, sliding and mating surfaces under vibratory or reciprocating motions, journal bearings, couplings.

#### How to use

Use as supplied. Never mix with other greases or dilute with any oils. For optimum performance, clean the contact surface.

Use any ASV heavy duty industrial strength solvent based cleaner degreaser available in aerosol spray or bulk liquid pack.

When using a water based degreaser, ensure complete removal of any residues of the water based alkaline cleaning solution prior to applying grease.

Apply on clean, dry, degreased contact points using normal greasing methods such as brush, grease gun, spatula or automatic lubrication device. This grease can also be dispensed via centralized lubrication systems.

Follow instructions of the bearing or machine manufacturer as mentioned in the manual.

Relubrication intervals and amount are largely dependent on the working and service conditions. Relubricate in the same manner as recommended above.

Follow the industry rule of completely filling slow moving bearings having DN-value lesser than 50000. Normal moving bearings should be filled up to a third of their available free inner housing space.

| Property                                   | Value  | Unit               | Method                             |
|--|--|--------------------|------------------------------------|
| Type                                       | Grease with EP/AW additives and solid lubricants |                    |                                    |
| Appearance                                 | Smooth grease                                    |                    |                                    |
| Base oil                                   | Mineral  |                    |                                    |
| Base oil viscosity, @ 40°C                 | 260  | mm <sup>2</sup> /s | DIN 51 562                         |
| Thickener                                  | Lithium  |                    |                                    |
| Color                                      | Black  |                    |                                    |
| Penetration, worked                        | 265-295  | mm/10              | ASTM D 217                         |
| NLGI Consistency                           | 2  | Class              | DIN 51 818                         |
| Density, @ 25°C                            | 0.86   | g/cm <sup>3</sup>  |                                    |
| Drop point                                 | +185   | °C                 | ASTM D 566                         |
| Service temperatures                       | -25 to +110 / +130 for short period              | °C                 |                                    |
| Four ball wear test, weld load             | 3700   | N<br>mm            | DIN 51 350 pt.4<br>DIN 51 350 pt.5 |
| Four ball wear test, wear scar, 800N       | 1.1  | .                  |                                    |
| DN value                                   | 250,000  | mm/min             |                                    |
| Oxidation resistance, pressure drop        | 0.3  | bar                | DIN 51 808                         |
| Oil separation, standard test, 168 h, 40°C | < 2  | %                  | DIN 51 817                         |

## General

Use in well-ventilated areas. Avoid continuous breathing of vapor and spray mist. For complete details on safety, short and long term exposure, refer to this product's safety data sheet (SDS).

## Handling

Read instructions on the container label of the product before use. The product safety data sheet (SDS) contains the relevant information regarding personal protective equipment, safe use, physical and health hazards.

Manufactured by:  
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## Disposal

All used and unused product should be disposed of in accordance with state regulations.

## Limited warranty

Product manufactured is for industrial use only. The information and data contained in this sheet is accurate to the best of our knowledge or is obtained from sources, tests or experiences believed by us to be reliable and accurate. User is responsible for determining whether recommended ASV product is fit for a particular purpose. All products should be tested for suitability on a particular application prior to actual use. We make no representations of any kind. Data offered without warranty.

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