

Biodegradable EP2 Grease for TBMs

DESCRIPTION

TamGrease BL12 is an anhydrous calcium thickened lubricating grease based on a renewable biodegradable EP2 grease for tunnel boring machines. TamGrease BL12 is designed to lubricate the main bearing and the screw conveyor drive.

TamGrease BL12 is a high quality multi-purpose grease for industrial applications and is the primary choice for various types of bearing applications especially in cases with 'lost lubrication'.

KEY BENEFITS

TamGrease BL12 EP2 grease contains anti-oxidants, corrosion inhibitors and EP/AW additives.

- > Optimal blend of renewable vegetal oils and biodegradable esters
- > Excellent lubricating and pumping properties
- > Good anti-washout properties
- > Good adhesion to metal surfaces

TYPICAL APPLICATIONS

EP2 grease is suitable for the following tunnel boring machines:

- > EPB TBMs
- > Slurry TBMs
- > Hard Rock TBMs

TECHNICAL DATA

| TamGrease BL12 | |
|--------------------------------------|-------------|
| Appearance | Yellow |
| NLGI grade | 2 |
| Density (20°C) kg/m ³ | approx. 920 |
| Consistency (ISO 2137) | 265 - 295 |
| 4-ball-weld load (DIN 51350:4) mm | 2800 |
| Water washout 38°C (ISO 11009) % | <10% |
| Merkel Agreement | YES |

APPLICATION GUIDELINES

The TBM supplier indicates the consumption of the EP2 grease. This indication has to be followed thoroughly.

PACKAGING

TamGrease BL12 is supplied in 180 kg drums designed to fit the TBM press plate system.

STORAGE

TamGrease BL12 should be stored in unopened, original drums, preferably at 5 - 35°C. If these conditions are maintained and the product packaging is unopened, a shelf life of one year can be expected.

HEALTH & SAFETY

TamGrease BL12 should only be used as directed. We always recommend that the Safety data sheet is carefully read prior to application of the material. Our recommendations for protective equipment should be strictly adhered to for your personal protection. The Safety data sheet is available upon request from your local Normet representative.