BEXOL Germany

Product number: 130602

BEXOL Alvenis Moly-2

Molybdenum disulphide (MoS2) > 3%

Product Description

The multipurpose antifriction greases BEXOL Alvenis Moly are manufactured by thickening an appropriate mineral base oil with lithium 12-hydroxystearate soap and the addition of a proper additive package and 3% highly dispersive molybdenum disulphide (MoS2) ensuring very good temperature stability, water resistance and extremely enhanced protection against oxidation, corrosion and wear for the lubricated parts. Formulated in two penetration grades: BEXOL Alvenis Moly 2 and BEXOL Alvenis Moly 3

Features & Benefits

- Excellent Lubricating Properties at High Temperatures – does not drop.
- Recommended for applications where the usage of conventional and complex soap based greases is limited because of their melting point

BEXOL Germany

Product number: 130602

- High Load Carrying Capacity – contain special extreme-pressure additives which enable them to withstand heavy and shock loads without failure of the lubricant film.
- Very Good Anti-Wear properties
- Very Good Rust and Corrosion Protection – protecting metal parts from corrosion
- Improved EP properties and extra measure of protection in shock loading situations

Applications

BEXOL Alvenis Moly are multipurpose lithium greases containing 3% dispersed MoS2 with particle size from 0.65µm to 0.75µm. These greases exhibit very good water resistance and ensure protection against oxidation, corrosion and wear as well as scuffing for the lubricated parts. The greases are used in applications calling for adequate protection against high and shock loads for the friction assemblies in construction and mining industries and in agriculture.
The applications include:
• Plain and rolling bearings
• Bearing bushes
• Roller conveyors
• constant velocity joints (CV-joints)
• springs
• heavily loaded chain and gear drives The presence of MoS2 provides an extra measure of protection in shock loading situations which are very common in both mining and agricultural usage. During heavy shock loading the lubricant film between metal surfaces can be temporarily ruptured or squeezed out. By using MoS2 grease, a film remains to

prevent metal-to-metal contact which could cause equipment damage. The application temperature range of BEXOL Alvenis Moly greases is from -20°C to +120°C.

Typical Properties

Meets the Following Specifications		
ISO 6743/9 - ISO-L-XCCHB 2(3) DIN 51502 - KPF 2(3) K-20		
Typical Properties		**NLGI 2 | NLGI 3**
Test Parameter	**Test Method**	**Value**
Oil type		Mineral
Color		Dark grey
Thickener	Visual	Lithium soap
Kinematic Viscosity of base oil at 40°C, mm2/s	EN ISO 3104	220
Cone Penetration, worked at 25°C, 0.1 mm	ISO 2137	280 | 240
Dropping Point, °C	ISO 2176	190 | 200
Oil Separation - separated oil at 40°C, 42h, %	IP 121	< 3
Dynamic Rust Test (EMCOR) in distilled water	ISO 11007	0/0
Four Ball EP Wear Test - Weld Point, N	ASTM D 2596	3150