

GOLDENSTONE® LIMO

Technical Data Sheet (TDS)

GREASES

Description and Application

The multipurpose antifriction greases **Goldenstone® LiMo** 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) with particle sizes of 0.65 to 0.75 µm.

These 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, etc.

The operating temperature range of **Goldenstone® LiMo** greases is from -20°C to +120°C.

Benefits

- very good adhesion properties
- improved EP properties and extra measure of protection in shock loading situations
- high roll stability and retain their consistency in heavy duty operations
- not corrosive to non-ferrous metals and steel
- water washout resistance
- adequate protection against rust formation

Specifications

| NLGI | 2 | 3 |
|------------|------------------|---|
| ISO 6743/9 | ISO-L-XCCHB 2(3) | |
| DIN 51502 | KPF 2(3) K-20 | |

Typical Characteristics

| Parameter | Test Method | NLGI | |
|---|-------------|--------------|-----|
| | | 2 | 3 |
| Oil type | | mineral | |
| Thickener | | lithium soap | |
| MoS ₂ content, % | DIN 51831-1 | 3 | |
| Color | Visual | Dark grey | |
| Kinematic Viscosity of base oil at 40°C, mm ² /s | EN ISO 3104 | 100 | |
| 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 | |

Important note: typical data values do not constitute a specification but are an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved.

Health, Safety and Handling

Based on current available information, this product is not expected to produce adverse effects on health when used for the intended application.

For more information about product MSDS, terms and conditions for storage and shelf life please visit:

<http://www.goldenstoneoils.com>

Goldenstone Europe

Packages

0.4 kg, 0.8 kg, 4 kg, 15 kg, 180 kg

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