

# GOLDENSTONE® LITHIUM NLGI 0 /1 /2 /3

## Technical Data Sheet (TDS)

### GREASES

#### Description and Application

Multipurpose antifriction **Goldenstone® Lithium** greases are manufactured by thickening an appropriate mineral base oil with lithium 12-hydroxystearate soap and a package of proper additives.

These greases are formulated for lubrication and sealing of medium and low speed plain bearings and mechanisms, electric motor bearings, encapsulated (roller and ball) industrial bearings, used in industrial equipment, railway and agricultural equipment and machinery, requiring lubrication with lithium non-EP greases. **Goldenstone® Lithium 0** is applied in centralized lubrication systems.

Operating temperature range of **Goldenstone® Lithium** greases is:

- from -30°C to +100°C – for **Goldenstone® Lithium 0**
- from -30°C to +120°C – for **Goldenstone® Lithium 1**
- from -30°C to +120°C – for **Goldenstone® Lithium 2**
- from -25°C to +120°C – for **Goldenstone® Lithium 3**

#### Benefits

- very good adhesion properties
- high roll stability and consistency maintaining in heavy duty operations
- non-corrosive to non-ferrous metals and steel
- water washout resistance
- proper protection against rust formation

#### Specifications

NLGI	0	1	2	3
ISO 6743/9	ISO-L-XCBHA-0 ISO-L-XCCHA-1(2,3)			
DIN 51502, DIN 51825	G 0 G-30 K 1(2,3) K-30			

#### Typical Characteristics

Parameter	Test Method	Typical Value			
		NLGI 0	NLGI 1	NLGI 2	NLGI 3
Oil type		mineral			
Thickener		lithium soap			
Color	Visual	yellow-brown			
Kinematic Viscosity of base oil at 40°C, mm <sup>2</sup> /s	EN ISO 3104	100			
Cone Penetration, worked at 25°C, 0.1 mm	ISO 2137	370	325	280	240
Dropping Point, °C	ISO 2176	170	190	195	200
Oil Separation - separated oil at 40°C, 42h, %	IP 121	< 6	< 3	< 3	< 3
Dynamic Rust Test (EMCOR) in distilled water	ISO 11007	0/0			
Four Ball EP Wear Test - Weld Point, N	ASTM D 2596	2000			

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>

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