

GOLDENSTONE® Li Complex EP 2 HDVT*

Technical Data Sheet (TDS)

GREASES

Description and Application

Goldenstone® Li Complex EP 2 HDVT is a heavy duty lubricating grease based on lithium complex thickener and severely hydro-treated base oils of ISO VG320. The lithium complex thickener makes the product suitable for applications within a wide temperature range, especially at elevated temperatures. The product is formulated with the latest high-tech additive technology delivering the right balance of performance characteristics, thus prolonging re-greasing intervals. Improved oxidation stability, rust and corrosion prevention, superior AW/EP performance as well as excellent water resistance – all these extend bearings life and provide for reduced downtime.

GOLDENSTONE® Li Complex EP 2 HDVT is a heavy duty, very tacky (highly adhesiveness to metal surfaces) high performance lithium complex grease, formulated with high viscosity base oil for heavily loaded applications, working in wet and corrosive environment, in a wide range of operating temperatures. It is suitable for a wide range of highly loaded industrial applications, as well as for extremely loaded heavy duty on-road and off-road vehicles and construction equipment. It is recommended for lubrication of surface and underground mining and quarrying equipment and heavy duty bearings, exposed to severe operating conditions and used in quarries, cement, steel and paper industry machinery. Other applications include marine sector - cables, chains, joints.

Operating temperature range of **Goldenstone® Li Complex EP 2 HDVT** is from -30°C to +160°C, with possible short time peak operating temperature up to 180°C, if the proper re-greasing intervals are applied.

*Heavy duty very tacky

Benefits

- dyed blue for easy identification
- highly adhesive – stays in place, reduces leakage thus providing protection and extended re-greasing intervals
- very good mechanical stability – resistant to softening which can cause loss of lubrication performance and leakage
- excellent performance at high and low temperatures
- high load carrying capacity
- efficient lubrication in presence of water
- rust and corrosion protection of metal parts extends equipment life

Specifications

NLGI	2
ISO 6743/9	ISO-L-XCDIB 2
DIN 51502, DIN 51825	KP 2N-30

Typical Characteristics

Parameter	Test Method	Typical Value
Oil type		mineral
Thickener		lithium complex
Color	Visual	blue
Kinematic Viscosity of base oil at 40°C, mm ² /s	EN ISO 3104	320
Cone Penetration, worked at 25°C, 0.1 mm	ISO 2137	265-295
Dropping Point, °C	ISO 2176	>260
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>

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