

## LC HT TITANIUM 220 - NLGI 2&3

### MINERAL BASED LITHIUM COMPLEX GREASES

#### DESCRIPTION

Kruizer LC HT Titanium grease is formulated and contains antioxidants, anti-corrosion, rust inhibitors and EP additives, lithium-complex thickener grease designed with high viscosity mineral oils to stand with water provide a heavier oil film for applications with excessive loading at slow and high speed & high temperature. It possesses resistance to water washing and provides effective protection against rust and corrosion for both ferrous and non-ferrous metals for extreme pressures, vibration, shock loads, wide temperature range and components that are prone to fretting corrosion. These greases are specially developed for application areas where extensive water contact or presence is there and gives outstanding performance. LC HT Titanium NLGI-2 Grease has excellent flow and pump-ability for automatic centralized and individualized systems.

#### APPLICATIONS

- Kruizer LC HT Titanium Series grease is recommended for applications where continuous High Speed Motor bearing runs at High RPM & Hi-Temperature intermittent very high temperatures are experienced.
- It is recommended for application such as Centrifugal pumps & bearings, ID/FD & SA Fans Bearings, High Speed Motor Bearings, furnace door bearings and kiln car wheel bearings and for general industrial lubrication where non-melting grease is required.
- It can also be used in ambient temperature applications such as roll neck bearings where high resistance to water washing is needed and High-Speed Motor Bearing. Applications for Steel, Stone Crusher (VSI, Cone & Jaw Crusher, Breaker, Screen), Cement, Sugar, Mining, Marine, Paper & Chemical Industry.

#### ADVANTAGES & BENEFITS

- Thickener does not melt extremely high dropping point and High-pressure loading capacity.
- Will not soften and leak from bearings exposed to high temperature.
- Resistance to water washing, steam and humid conditions.
- Maintained despite cycling temperature conditions.
- Excellent flow and pump-ability for automatic centralized and individualized systems.
- Extends bearings life and gives longer re-lubrication intervals.
- High protection against seizure and wear, avoiding expensive repairs.

## Typical Properties

Properties	Test Method	NLGI 2	NLGI 3
NLGI Grade	-	2	3
Structure	Visual	Smooth & Tacky	
Colour	-	Blue	Red
Soap Type	-	Lithium Complex	
Worked Penetration @25°C , after 60 strokes , 0.1 mm units	ASTM D217	270	238
Penetration Change after 1,00,000 strokes	ASTM D217	15	15
Drop point	ASTM D2265	> 265	
Viscosity of base oil @40°C , cST , Min	ASTM D455	220	
Copper Strip Corrosion @ 100°C for 24hrs	ASTM D4408	1A	
Four - Ball Weld Load , Kg , Min	ASTM D 2596	315	
Four - Ball Wear Scar Diameter , mm	ASTM D 2266	0.44	
Wheel Bearing Test for 6Hrs, Leakage gms, Max	ASTM D1263	4	
Oxidation Stability, Pressure Drop, psi, after 100 hrs @99°C Max	ASTM D942	<4	
Rust Protection Distilled Water Washout	IP 220	0	
Water Washout @79°C , %wt	ASTM D1264	≤ 3.5	≤ 2.5
Water Spray Resistance , %loss	ASTM D4049		15

*The values above are typical values. They do not constitute any contractual commitment.*

*Sales specifications are available on request. The present technical data sheet replaces all the previous edition.*

### Health and Safety

This product is not likely to present any significant health or safety hazards when used correctly in the right application. Safety Data Sheet (SDS) is available on request through our website [www.slkkruizer.com](http://www.slkkruizer.com)

### Protect the Environment

Take used oil to an authorised collection point. Do not discharge into drains, soil or water.

### Storage

Storage We recommend to store all packages under cover. In case outside storage is unavoidable, drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should never be stored above 60°C, exposed to hot sun or freezing conditions.

This data sheet and the information it contains is believed to be accurate as of the date of printing. However, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet.

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