



TECHNICAL DATA SHEET

Quality Standards:
 ISO 9001:2015
 ISO 1400A: 2015
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 Revision—00

BIO LiCa HV GREASE

NLGI 1.5

Applications

This grease is an environmentally acceptable lubricant (EAL) and suitable for US VGP (Vessel General Permit), meeting the criteria for biodegradability, eco-toxicity and bioaccumulation.

It is engineered to provide optimal performance in ecologically sensitive environments, providing excellent tribological protection, corrosion resistance and water resistance.

Features and Benefits

- Good mechanical stability, corrosion protection and excellent water resistance - critical in wet/damp environments.
- Extreme load performance provides enhanced wear protection under heavy (shock) loads.
- Lubricating film maintained to almost eradicate water washout and provide outstanding protection.
- Wide operating temperature range and high drop point.

Typical Characteristics

Test	Method	Result
Thickener Type		Lithium/Calcium
Colour	Visual	Beige
Temperature Range		-30 to 120°C
Worked Penetration	IP 50	290-310 mm/10
Drop Point	IP 396	> 170°C
Weld Load	ASTM D2596	500kgf
Wear Scar Diameter	ASTM D4172	< 0.60mm
Water Wash Out	ASTM D1264	< 2%
Spray Off (38°C)	ASTM D4049	< 10%
Oil Separation (40°C, 24hrs)	IP 121	< 2%
Copper Corrosion (100°C, 24hrs)	IP 122	1b
Emcor (DI Water)	IP 220	0:0

Bio-Credentials

Readily Biodegradable Components		≥ 75%
Bio-based Content		> 25%

Base Oil Characteristics

Type		Synthetic Blend
Base Oil Viscosity		500 cSt

* Note: The product will exhibit a slight change of colour after exposure to air. This is a normal and expected feature of the unique chemistry employed in this grease. This feature has been assessed as having no effect on the product performance.



The information contained herein may change.