



LiCa150-1.5EP Bio

LiCa150-1.5EP Bio grease is a readily biodegradable hybrid thickened grease. Designed specifically for use in applications where by incidental environmental release maybe a concern such as farming, forestry, mining, marine, plus others.

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 avoid water washout and provide outstanding protection.
- Wide operating temperature range and high drop point.
- Results from external OECD 301B biodegradation testing of the grease is more than 60% meaning the product is readily biodegradable.

Typical Characteristics

Test	Method	Result
Colour	Visual	Beige
Thickener Type		Lithium/ Calcium
Temperature Range		-25 to 120°C
Base Oil Type		Synthetic Blend
Base Oil Viscosity		150 cSt
Worked Penetration	IP 50	290-310 mm/10
Drop Point	IP 396	>170°C
Oil Separation	IP 121	< 2%
4-Ball Weld Load	ASTM D2596	315kgf
Wear Scar Diameter	ASTM D4172	< 0.65mm
Water Wash Out	ASTM D1264	< 2%
Spray Off	ASTM D4049	< 40%
Copper Corrosion (100°C, 24hrs)	IP 122	1b
Emcor (DI Water)	IP 220	0:0
Bio-Credentials		
Biodegradability	OECD 301B	> 60%
Bio-based Content		> 50%