

# INTERLUBE IL-BIO GREASE

## BIODEGRADABLE LITHIUM COMPLEX GREASE

IL-BIO GREASE

### DESCRIPTION :

IL-Bio Grease is a readily biodegradable, minimal toxicity lithium complex grease formulated to provide a high film strength and withstand high operating temperatures, while maintaining excellent stability. il-Bio Grease includes a high viscosity base oil for high load capacities. il-Bio Grease also has excellent anti-wear properties and improved resistance to water washout, in addition to remaining stable under high temperatures. It is designed for heavy duty use in a variety of industrial, mobile and marine applications. Offered in NLGI 2 grade.

Specifications, approvals and recommendations:

- USDA BioPreferred Program (US Department of Agriculture)
- Classified EAL (Environmentally Acceptable Lubricant) according to the VGP (Vessel General Permit) 2013 of the EPA (Environmental Protection Agency of the United States).

INTERLUBE IL-BIO GREASE	IL-220FS
Base oil type	SYNTHETIC ESTER (ISO - 220)
Type of thickener	LITHIUM COMPLEX
Appearance	STICKY
Penetration after mixing, 60 cycles (D217)	265 à 295
Dropping point, °C (D225)	255
Viscosity (D445) at 40°C, cSt	195,7
4 Ball Weld, kg (D2596)	400
4-ball wear, groove diameter, mm (D2266)	0,59
Corrosion on copper strip (D4048)	1B
Water washout at 79°C, % loss (D1264)	4,2%
Water spray -ff, % loss (D4049)	13,6
Rolling stability, shift points (D1831)	+8
Stability in water, change points after Shell Roll (D7342)	+31
<b>Environmental Stewardship: Meets EPA requirements to rank</b>	
Readily biodegradable (i.e. > 60%), OECD 301B, %	RÉUSSI (> 75)
Minimal toxicity,	RÉUSSI
Biodegradability, %	> 60
Minimal toxicity	RÉUSSI
OECD 201 - Algae (EC 50), 72 h, mg/L	> 26 000 mg/L
OECD 202 - Daphne (EC 50), 48 h, mg/L	> 13 000 mg/L
OECD 203 - Fish (LC 50), 96 hr, mg/L	> 40 000 mg/L
Non-biocumulative * (*Value calculated according to EPA standard)	RÉUSSI
<b>Peculiarities and additional environmental characteristics</b>	
Bio-Based Content, ASTM D6866, %	86

The values of the characteristics shown in this table are typical values given for information only.

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## KEY ATTRIBUTES / APPROVALS

Applications and Industries: All industries (hydroelectric dams, construction, waste management, mining, dredging, marine, agriculture, oil and gas, plant operation, etc.) using equipment requiring the use of a grease heavy-duty, particularly systems where there is a risk of environmental contamination or where a leak or spill could reach a waste stream.

This product contains proprietary tackifier additives that make it ideal for shipbuilding, pin, bushing and pulley applications.

**PACKAGING:** 3.78 L bottle — 18.9 L bucket — 208 L barrel