

GR-BIO

Biodegradable industrial grease

Description

GR-BIO is a superior quality biodegradable grease.

Characteristics and Benefits

GR-BIO has a unique formulation combining the following elements:

- Overbased calcium sulfonate complex
- Superior quality biodegradable fluid

This formula, resulting from the latest technologies in thickeners, allows GR-BIO to reach an exceptional level of performance. It is marked by :

- Reduces friction
- Protects against rust, corrosion and oxidation
- Offers superior resistance to load, wear and water
- Exceptional mechanical stability

Types of Application

The GR-BIO is essential for any operation :

- Exposed to an ecological risk of accidental spillage
- Where operating temperatures are below 100°C.

Directions for Use

Always use GR-BIO biodegradable grease in reference to the equipment manufacturer's manual.

Warning

Whenever performing a grease change, make sure to validate the compatibility of the various greases used (refer to [PROLAB's grease compatibility chart](#)).

Available Sizes

435 g, 17kg, 55 kg, 180 kg

Product Code

261

Characteristics	ASTM Test	Typical Values GR-BIO
Appearance		Brown
N.L.G.I. Grade		2
Base Oil Viscosity at 40°C	D445	39 cSt
Base Oil Viscosity at 100°C	D445	8 cSt
Viscosity Index	D2270	184
Dropping Point (°C/°F)	D2265	250°C/482°F
Consistency 60 strokes (1/10mm)	D217	280
Shear Stability 100,000 strokes	D217	2,3%
Shear Stability 10,000 strokes (50/50 with water)	D217	18,5%
Wheel Bearing Leakage	D1263	1.65g
Oxidation Stability, (pressure loss) 100 h	D942	10h
4-Ball Wear Test (75°C, 40 kg, 1200 RPM, 1h)	D2266	0,45mm
Load Wear Index	D2596	55 kg
Weld Load	D2596	400kg/882lbs
Timken OK Load	D2509	22.7kg/50lbs

Rust Preventing	D1743	Pass
Water Washout, loss, % at 79°C	D1264	1.6%
Copper Corrosion	D130	1b
Biodegradability 21 days (CEC-L-33-A-93)		81%
Pompability (g/min)		
-18°C (0°F)		59 gr/min
-23°C (-10°F)		20 gr/min
-29°C (-20°F)		12 gr/min
-34°C (-30°F)		9 gr/min

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