

# Interfluid Bio RE

*Synthetic biodegradable lubricant for open gears exposed to high pressure, extreme loads and vibration.*

## Description

Interfluid Bio RE is a high-viscosity, synthetic biodegradable lubricant that offers greater anti-wear protection for open gears that are exposed to high pressure, extreme loads and vibration.

It provides greater anti-wear protection, extreme load resistance and lower environmental impact thanks to its composition.

## Benefits

- Greater anti-wear and protection against material fatigue.
- Contains special additivation that increases load capacity and reduces friction under extreme loads.
- High thermal stability.
- Excellent adherence to gears.
- Extends pinions and gears life.
- Low environmental impact.
- Colorless appearance allows easy visual inspection.

## Application and use

- Open gear drives of ball and SAG mill in the Cement and Mining Industries.
- Open gear drives of rotary kilns.
- Sugar cane and agave mills.
- Winches and crane systems.

## Appearance

- Color: Translucent yellow
- Texture: Adherent viscose

## Packages

Pail: 19 L

Drum: 200 L

Tote: 1000 L

## Application Method

- A spray system is recommended.
- Spray the product directly onto the gear.

*Product approved by METSO for use in open gears drives of ball and SAG mill.*

## Typical Properties

| Norm        |  | 10M                      | 16M    | 22M    |
|-------------|--|--------------------------|--------|--------|
| ASTM D-445  | Viscosity at 40°C, cSt                       | 10,000                   | 16,000 | 22,000 |
| ASTM D-445  | Viscosity at 100°C, cSt                      | 407                      | 578    | 780    |
| ASTM D-2270 | Viscosity Index                              | 180                      | 190    | 205    |
| ASTM D-97   | Pour Point                                   | -3°C / 26.6°F            |        |        |
| ASTM D-2596 | Four Ball Weld Point, kgf                    | 900                      | 900    | 900    |
| ASTM D-2266 | Four Ball Wear, mm                           | 0.3                      | 0.3    | 0.3    |
| ASTM D-2596 | Load Wear Index                              | 185                      | 185    | 195    |
| ASTM D-5182 | FZG Test                                     | >12                      | >12    | >12    |
| ASTM D-5182 | FZG Scuffing Test, mg/kWh                    | <0.12                    |        |        |
| ASTM D-4048 | Copper Corrosion 3 hrs.                      | 1b                       | 1b     | 1b     |
|             | U.S. Steel Mobility of Grease at 32°F, g/sec | -                        | -      | 0.015  |
| OECD-301B   | Ready biodegradability in 28 days (>60%)     | Pass                     |        |        |
| DIN 513554  | FZG 30 hr Mass Loss (mg/kW.h) L.S. 10        | 0.005                    |        |        |
|             | Temperature Range                            | 0 to 120°C / 32 to 248°F |        |        |

*The technical characteristics are typical of those obtained with normal production tolerance and do not constitute a specification. Our R&D team is constantly improving our products. Therefore, Interlub S.A. de C.V. reserves the right to change the technical information in this document without prior notice.*



Open Gears



Crowns



Biodegradable



Approved product



High Load



Vibration and Impact

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