

Product Overview

CIM Ultra Journal Bearing Oil is a premium-quality railway bearing lubricant developed for highly loaded bearing systems found on rail rolling stock. The formulation is built on carefully refined petroleum base oils selected to promote low friction behaviour under heavy load, while maintaining clean operation (free from water and typical contaminants such as sediment).

A low-treatment additive approach is used to support bearing protection with very low metallic content (including very low zinc and calcium content).

Applications

Recommended mainly for:

- Railcar journal bearings
- Traction motor suspension bearings

This product is intended for service in South African operating conditions, where consistent film strength and dependable lubricity are required.

Performance / Specification References

CIM Ultra Journal Bearing Oil is formulated to align with common railway bearing oil requirements

- General Electric D50E14
- AAR (MR) M-963

Key Performance Features

- Low-friction behaviour in heavily loaded bearings, supporting stable operation and reduced wear tendency
- Clean refined base oil quality, designed to be free of water and typical insoluble contamination
- Low-ash / low metallic chemistry, supporting cleaner operation and minimising deposit-forming contributors
- EP / anti-wear capability indication through standard 4-ball style measures

Typical Physical Characteristics: CIM Ultra Journal Bearing Oil

Property	Typical Value
ISO viscosity (approx.) @ 40°C	~60 mm ² /s
Kinematic viscosity @ 100°C	~8.3 mm ² /s
Viscosity index	≥107
Density @ 15°C	~0.875 kg/L
Flash point	≥200°C
Pour point	≤ -27°C
Sulphur (mass)	~1.0%
Ash (mass)	<0.01%
Load Wear Index (4-ball)	~50 kg
Weld Point (4-ball)	>250 kg
Lubricity (4-ball wear scar) – 20 kg, 1 hr, 54°C, 1800 rpm	~0.30 mm

Storage, Handling & Safety

Store in a clean, dry area, sealed and upright. Avoid prolonged skin contact and wash with soap and water after handling.

CIM Ultra Journal Bearing Oil

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