



Mobil™ Synthetic Gear Oil 75W-90

Mobil Commercial Vehicle Lube , Australia

Fully Synthetic Railway Gearbox Lubricant

Product Description

Mobil Synthetic Gear Oil 75W-90 is a fully synthetic gear lubricant formulated from synthetic base oils and an advanced additive system. It is designed for use in many railway gearboxes and provides excellent load-carrying capability where extreme pressures and shock loading are expected. This gear oil provides excellent thermal and oxidation stability, high Viscosity Index (VI), extremely low pour point, and low-temperature fluidity. Mobil Synthetic Gear Oil 75W-90 meets the API GL-5 performance level.

Features and Benefits

Railway gearbox designs have changed and increased the requirements of fluids to deliver higher performance including potentially increased productivity and reduced operating costs. Mobil Synthetic Gear Oil 75W-90 is engineered to deliver exceptional performance and contribute to lower total lubrication-related operating costs. The key potential benefits include:

Features	Advantages and Potential Benefits
Exceptional thermal stability and resistance to high temperature oxidation	Extended gear and bearing life due to minimal deposits Longer seal life
Outstanding protection against low speed/high torque wear and high speed scoring	Increased load-carrying capability. Contribution to reduced maintenance costs and longer equipment life
Enhanced frictional properties	Helps to reduce operating costs
Outstanding low temperature fluidity versus mineral oils	Contribution to reduced wear and ease of start up
Good resistance to foaming	Maintains film strength for reliable lubrication

Applications

Recommended by ExxonMobil for use in

- Gearboxes requiring API GL-5 performance
- Not recommended for applications requiring API GL-4 Level performance
- Not intended for automatic, manual, or semiautomatic transmissions for which engine oil or automatic transmission fluids are recommended.

Please verify OEM requirements and oil selection criteria for your specific railway gearbox and application.

Specifications and Approvals

This product has the following approvals:
Voith Turbo 132.00374401
Voith Turbo 132.00374402

This product has the following approvals:

Siemens Traction Gears GmbH (former Flender Rail) T7302

SEW-Eurodrive

ZF TE-ML 16F

This product meets or exceeds the requirements of:

API GL-5

Properties and Specifications

Property	
Grade	SAE 75W-90
Density @ 15 C, g/cm3, ASTM D4052	0.86
Flash Point, Cleveland Open Cup, °C, ASTM D92	210
Kinematic Viscosity @ 100 C, %, ASTM D445	15.7
Kinematic Viscosity @ 40 C, mm2/s, ASTM D445	115
Pour Point, °C, ASTM D97	-45
Viscosity Index, ASTM D2270	144

Health and safety

Health and Safety recommendations for this product can be found on the Material Safety Data Sheet (MSDS) @ <http://www.msds.exxonmobil.com/psims/psims.aspx>

All trademarks used herein are trademarks or registered trademarks of Exxon Mobil Corporation or one of its subsidiaries unless indicated otherwise.

07-2023

Mobil Oil Australia Pty Ltd

A.B.N. 88 004 052 984

12 Riverside Quay

Southbank Vic 3006

+61 3 8633 8444

<http://www.exxonmobil.com>

Typical Properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice. All products may not be available locally. For more information, contact your local ExxonMobil contact or visit www.exxonmobil.com

ExxonMobil is comprised of numerous affiliates and subsidiaries, many with names that include Esso, Mobil, or ExxonMobil. Nothing in this document is intended to override or supersede the corporate separateness of local entities. Responsibility for local action and accountability remains with the local ExxonMobil-affiliate entities.



© Copyright 2003-2023 Exxon Mobil Corporation. All Rights Reserved