Mobil™ Synthetic Gear Oil 75W-90

Mobil commercial vehicle lubricants · Singapore

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
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) @

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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

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