



Mobil Synthetic Gear Oil 75W-90

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

Mobil Synthetic Gear Oil 75W-90 meets or exceeds the requirements of:

API GL-5	X
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Mobil Synthetic Gear Oil 75W-90 has the following builder approvals:

Flender BA 7302 Table R1	X
Voith Turbo 132.00374401	X

Voith Turbo 132.00374402

X

Mobil Synthetic Gear Oil 75W-90 is recommended by ExxonMobil for use in applications requiring:

SEW Eurodrive W- Gears

X

Typical Properties

Mobil Synthetic Gear Oil 75W-90

SAE Grade 75W-90

Viscosity, ASTM D 445

cSt @ 40°C 115

cSt @ 100°C 15.7

Viscosity Index, ASTM D 2270 144

Pour Point, °C, ASTM D 97 -45

Flash Point, °C, ASTM D 92 210

Density @ 15°C kg/l, ASTM D 4052 0.86

Health and Safety

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request through your sales contract office or via the Internet, or will be provided by seller to customers if and as legally required. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

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5-2015

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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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