Mobil Delvac Modern™ Axle Oil 80W-90 Limited Slip

Mobil Commercial Vehicle Lube , Ireland

Extra High Performance Limited Slip Gear Oil

Product Description

Mobil Delvac Modern Axle Oil 80W-90 Limited Slip is an extra high performance, automotive gear lubricant formulated from select base oils and an advanced additive system specifically for limited-slip differentials. This lubricant is recommended by ExxonMobil for use in applications requiring API GL-5 performance such as heavy duty differentials, axles, and final drives where extreme pressures and shock loading are expected.

Features and Benefits

Today's truck and automotive equipment applications place higher performance demands on drive train lubricants. Higher speeds, higher torque, heavier loads, and limited-slip capability require improved formulations to maximize differential life and optimize performance. Longer service intervals place additional demands on the gear lubricant. Mobil Delvac Modern Axle Oil 80W-90 Limited Slip gear lubricant is engineered to meet these challenges. The key benefits include:

Features	Advantages and Potential Benefits
Excellent frictional properties	Effective limited-slip performance
Good thermal stability and resistance to high temperature oxidation	Extended gear and bearing life due to minimal deposits and longer seal life
Protects against low speed/high torque wear and against high speed scoring	Increased load carrying capability reducing operating costs
Excellent rust, staining, and corrosion protection	Reduced wear and maintenance costs
Effective low temperature lubrication	Reduced wear and ease of start-up
Good resistance to foaming	Maintains film strength for reduced wear
Compatible with typical automotive seals and gaskets	Minimum leakage and reduced contamination

Applications

Recommended by ExxonMobil for use in:

- Limited-slip differentials, axles, and final drives requiring API GL-5 level performance
- Passenger cars, on highway light and heavy duty trucks, busses and vans
- Off highway industries including: construction, quarrying, and agriculture
- Other industrial and automotive applications involving hypoid and other gears operating under conditions where high speed/shock load, high speed/low torque, and/or low speed/high torque conditions prevail
- Initial fill, top-up, and refill of enclosed automotive type gearing where SAE 80W-90 limited-slip gear lubricants are recommended
- Not intended for transmissions or transaxles for which engine oil or automatic transmission fluids are recommended

Specifications and Approvals

This product has the following approvals:
TE-ML 21N

This product has the following approvals:
TE-ML 05N

This product meets or exceeds the requirements of:
API GL-5

Properties and Specifications

Property	
Grade	SAE 80W-90
Kinematic Viscosity @ 100 C, mm2/s, ASTM D445	13.92
Kinematic Viscosity @ 40 C, mm2/s, ASTM D445	115.5
Viscosity Index, ASTM D2270	116
Pour Point, °C, ASTM D97	-39
Flash Point, Cleveland Open Cup, °C, ASTM D92	200
Density @ 15 C, kg/l, ASTM D1298	0.88

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.

04-2024
Esso Petroleum Company limited
ExxonMobil House, Ermyn Way, Leatherhead, Surrey KT22 8UX

44 (0)1372 222000
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.

ExxonMobil

Exxon Mobil Esso

© Copyright 2003-2026 Exxon Mobil Corporation. All Rights Reserved