



## MOBIL DELVAC MODERN™ AXLE OIL SERIES

Mobil Commercial Vehicle Lube , Colombia

High Performance Commercial Gear Lubricants

### Product Description

Mobil Delvac Modern Axle Oil Series has replaced the Mobilube HD Plus Gear Oil Series. There are no formulation changes thereby ensuring no impact on product compatibility or handling. Furthermore, there are no comingling restrictions on mixing products with old and new names. Technical claims and product performance remains unchanged.

Mobil Delvac Modern Axle Oil 75W, 80W-90 and 85W-140 are high performance commercial gear lubricants formulated from select base oils and an advanced additive system. These lubricants are engineered for performance in heavy-duty commercial transmissions, axles, and final drives where extreme pressures and shock loading are expected. They provide excellent chemical and thermal stability at elevated bulk oil temperatures, good performance at low temperatures, and good rust protection resulting from water contamination and wet conditions. They will provide excellent performance in applications where API GL-5 or MT-1 lubricants are required.

### Features and Benefits

Today's heavy equipment applications place higher performance demands on drive train lubricants. Higher speeds, higher torque, and heavier loads require improved formulations to maximize equipment life and optimize operating costs. Longer service intervals place additional demands on the gear lubricant. Mobil Delvac Modern Axle Oil gear lubricants are engineered to meet these challenges. The key benefits include:

Features	Advantages and Potential Benefits
Excellent thermal stability and resistance to high temperature oxidation	Extended gear and bearing life due to minimal deposits and longer seal life
Good protection against low speed/high torque wear and against high speed scoring	Increased load carrying capability and reduced operating costs
Excellent rust, staining, and corrosion protection	Reduced wear and longer component life
Reduced wear and ease of start-up	Effective low temperature lubrication
Wide multipurpose capability	Reduced number of gear lubricants to simplify inventory and minimize misapplication
Good resistance to foaming	Maintains film strength for effective lubrication
Compatible with typical automotive seals and gaskets	Minimum leakage and reduced contamination

### Applications

Heavy-duty manual transmissions, axles, and final drives requiring API GL-5 and MT-1 level performance

- On-highway light and heavy-duty trucks, busses, vans, and cars
- Off-highway industries including: construction, mining, quarrying, and agriculture
- Other heavy-duty 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

- Mobil Delvac Modern Axle Oil gear lubricants are intended for initial fill, top-off, and refill of enclosed commercial gearing in manual or semiautomatic transmissions where gear lubricants are recommended including drive axles and final drives

- Not recommended for applications requiring API GL-4 Level performance

- Not intended for transmissions for which engine oil or automatic transmission fluids are recommended

## Specifications and Approvals

This product has the following approvals:	MOBIL DELVAC MODERN AXLE OIL 75W	MOBIL DELVAC MODERN AXLE OIL 80W-90	MOBIL DELVAC MODERN AXLE OIL 85W-140
MACK GO-J		X	X
SAE J2360		X	X
Volvo 97321		X	

This product is recommended for use in applications requiring:	MOBIL DELVAC MODERN AXLE OIL 75W	MOBIL DELVAC MODERN AXLE OIL 80W-90	MOBIL DELVAC MODERN AXLE OIL 85W-140
API GL-5	X		
API MT-1	X		
MIL (US) MIL-PRF-2105E		X	X

This product meets or exceeds the requirements of:	MOBIL DELVAC MODERN AXLE OIL 75W	MOBIL DELVAC MODERN AXLE OIL 80W-90	MOBIL DELVAC MODERN AXLE OIL 85W-140
API GL-5		X	X
API MT-1		X	X
Meritor O-94		X	X
SCANIA STO 1:0		X	

## Properties and Specifications

Property	MOBIL DELVAC MODERN AXLE OIL 75W	MOBIL DELVAC MODERN AXLE OIL 80W-90	MOBIL DELVAC MODERN AXLE OIL 85W-140
Grade	SAE 75W	SAE 80W-90	SAE 85W-140
Flash Point, Cleveland Open Cup, °C, ASTM D92	150	165	200
Kinematic Viscosity @ 100 C, mm <sup>2</sup> /s, ASTM D445	15.8	15.8	27.4

Property	MOBIL DELVAC MODERN AXLE OIL 75W	MOBIL DELVAC MODERN AXLE OIL 80W-90	MOBIL DELVAC MODERN AXLE OIL 85W-140
Kinematic Viscosity @ 40 C, mm <sup>2</sup> /s, ASTM D445	92	146	347
Pour Point, °C, ASTM D97	-45	-27	-15
Viscosity Index, ASTM D2270	184	111	105

## 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>

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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](http://www.exxonmobil.com)

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