



## Mobil Delvac Modern 10W-40 Complete Protection

Mobil Commercial Vehicle Lube , South Korea

Synthetic Technology

### Product Description

Mobil Delvac Modern 10W-40 Complete Protection is an extra high performance diesel engine oil that helps extend engine life in severe on and off-highway applications while delivering excellent performance in modern, high-output, low-emission engines including those with Exhaust Gas Recirculation (EGR) and Aftertreatment Systems with Diesel Particulate Filters (DPFs) and Diesel Oxidation Catalysts (DOCs). Mobil Delvac Modern 10W-40 Complete Protection is recommended by ExxonMobil for use in a wide range of heavy duty applications and operating environments found in the trucking, mining, construction, quarrying, and agricultural industries. It meets or exceeds the requirements of the API CJ-4, CI-4 PLUS, CI-4 and CH-4 service categories.

### Features and Benefits

Mobil Delvac Modern 10W-40 Complete Protection is formulated with optimized base oil and additive technology to provide a strong foundation for oxidation resistance, soot handling and wear control supplemented with excellent piston deposit protection and reduced sludge formation to help long engine life.

Features	Advantages and Potential Benefits
Enhanced soot-viscosity control	Engine efficiency, long engine life and long oil life
Outstanding thermal and oxidative stability	Reduced low temperature sludge build-up and high temperature deposits
Good oil consumption control	Lower oil costs due to less make-up oil during operation
TBN reserves	Improved corrosion protection and long drain intervals
Stay-in-grade shear stability	Maintains viscosity in severe, high temperature service for greater wear protection and long engine life
Enhanced low temperature pumpability	Faster oil flow and reduced wear during engine start-up in low temperatures
Outstanding resistance to corrosive and abrasive wear	Long life of critical wear surfaces
Component compatibility	Long gasket, seal and after treatment device (DPF) life

### Applications

Recommended by ExxonMobil for use in:

- Heavy duty diesel engines including Euro V/VI modern low emissions vehicles(1), utilizing technologies such as Diesel Particulate Filter (DPF), Selective Catalytic Reduction (SCR), Continuously Regenerating Traps (CRT), Diesel Oxidation Catalysts (DOC) and Exhaust Gas Recirculation (EGR)
- On-highway heavy-duty trucking and off-highway including: construction, mining, quarrying, and agriculture.
- On-highway applications operating in both high speed/high load and short haul pick-up/delivery.

(1) Refer to your vehicle service manual for correct lubricant requirement and service intervals

## Specifications and Approvals

<b>This product meets or exceeds the requirements of:</b>
API CH-4
API CI-4
API CI-4 PLUS
API CJ-4
Caterpillar ECF-3

## Properties and Specifications

Property	
Grade	SAE 10W-40
Kinematic Viscosity @ 40 C, mm <sup>2</sup> /s, ASTM D445	96.7
Density @ 15 C, g/ml, ASTM D1298	0.87
Pour Point, °C, ASTM D97	-30
Kinematic Viscosity @ 100 C, mm <sup>2</sup> /s, ASTM D445	14.2
Ash, Sulfated, mass%, ASTM D874	1
Flash Point, Cleveland Open Cup, °C, ASTM D92	220
Total Base Number, mgKOH/g, ASTM D2896	9
Viscosity Index, ASTM D2270	150

## 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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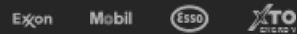
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Typical Properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. 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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