



## Mobil Delvac Modern™ 10W-40

Mobil Commercial Vehicle Lube , Taiwan

Synthetic Technology

### Product Description

Mobil Delvac Modern™ 10W-40 Full Protection is an extra high performance diesel engine oil that helps extend engine life in the most severe on and off-highway applications while delivering outstanding 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 Full Protection will also deliver the same exceptional performance in older conventional engines. It meets or exceeds the requirements of the API CJ-4, CI-4 PLUS, CI-4 and CH-4 service categories.

Mobil Delvac Modern™ 10W-40 Full 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.

### Features and Benefits

Mobil Delvac Modern™ 10W-40 Full Protection is formulated with optimized base oil and additive technology to deliver cutting-edge performance in both new and older engines. In addition to assuring enhanced control of oil thickening due to soot build-up and improved TBN retention for long drain intervals, Mobil Delvac Modern™ 10W-40 Full Protection advanced technology also provides outstanding resistance to oil consumption, oxidation, corrosive and abrasive wear, and high temperature deposits.

Features	Advantages and Potential Benefits
Enhanced soot-viscosity control	Greater engine efficiency, long engine life and long oil life
Outstanding thermal and oxidative stability	Reduced low temperature sludge build-up and high temperature deposits
Improved oil consumption control	Lower oil costs due to less make-up oil during operation
Improved TBN reserves	Improved corrosion protection and extended 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 (DPF and DOC) life

### Applications

Recommended by ExxonMobil for use in:

- Heavy duty diesel engines including Euro V/VI or China 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)
- High-performance diesel applications including turbo-charged designs featuring EGR Technology and diesel applications using older, naturally aspirated conventional designs.
- 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.

- Off-highway applications operating in severe low speed/heavy load conditions
- High performance gasoline engines and mixed fleet operations.

(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 CJ-4
API CI-4 PLUS
API CI-4
API CH-4
API SN
Caterpillar ECF-3

### Properties and Specifications

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

### 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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