Mobil Delvac Modern™ 15W-40 Full Protection

Mobil Commercial Vehicle Lube , Thailand

Mobil commercial-vehicle-lube

Product Description

Mobil Delvac Modern 15W-40 Full Protection is biodiesel compatible* and is an extra high performance diesel engine oil that helps extend engine life in 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). Fully backwards compatible, Mobil Delvac Modern 15W-40 Full Protection will also deliver the same exceptional performance in older conventional engines. As a result, it meets or exceeds the requirements of the API CK-4, CJ-4, CI-4 PLUS and CH-4 service categories as well as key Original Equipment Manufacturer (OEM) requirements.

*based on CEC L-109-14 (test modified with palm B100), meeting the limits in ACEA E9-16

Features and Benefits

Mobil Delvac Modern 15W-40 Full Protection is formulated using high performance base oils and an optimised additive system that delivers excellent performance in both new and older engines. In addition to assuring excellent control of oil thickening due to soot build-up and outstanding TBN retention for long drain intervals, Mobil Delvac Modern 15W-40 Full Protection 's advanced technology also provides outstanding resistance to oil consumption, oxidation, corrosive and abrasive wear, and high temperature deposits.

Features	Advantages and Potential Benefits
Superior soot-viscosity control	Helps to maintain engine efficiency, long engine life and long oil life
Outstanding thermal and oxidative stability. Up to 80% improved high-temperature viscosity control and 50% improved oxidation resistance1	Helps to reduce low temperature sludge build-up and high temperature deposits
Excellent oil consumption control	Helps to lower oil costs due to less make-up oil during operation
Excellent TBN reserves	Helps to improve corrosion protection and to extend drain intervals
Helps to improve corrosion protection and to extend drain intervals	Helps to maintain viscosity in severe, high temperature service for greater wear protection and long engine life
Excellent low temperature pumpability	Fast oil flow and helps to reduce wear during engine start-up in low temperatures
Superb resistance to corrosive and abrasive wear. Wear protection is 20% better2	Long life of critical wear surfaces
Component compatibility	Long gasket, seal, and after treatment (DPF and DOC) life
Meets demanding specifications of key OEMs and API gasoline service categories	One engine oil for mixed fleet operations
Footnotes: 1 Based on comparison of Volvo T-13 engine test results, compared to earlier API CJ-4 formulation	

Features	Advantages and Potential Benefits
2 Based on comparison of Cummins ISM and Mack T-12 engine test results, compared to earlier API CJ-4 formulation	

Applications

Mobil Delvac Modern 15W-40 Full Protection is the result of extensive cooperative development work with major OEMs and 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. This product provides outstanding protection in demanding diesel engines of Caterpillar, Cummins, Detroit, Mack, Mercedes Benz, Renault, MAN, Volvo, and others. Mobil Delvac Modern 15W-40 Full Protection also meets or exceeds the requirements of the API SN / SM / SL specification for gasoline engines and mixed fleets.

This product is fully compatible with Mobil Delvac MX ESP 15w-40 and can be used as a replacement of same.

Specifications and Approvals

This product has the following approvals:
Detroit Detroit Fluids Specification 93K222
Detroit Fluids Specification 93K218
Mack EO-N Premium Plus 03
MACK EO-O Premium Plus
MACK EOS-4.5
VOLVOVDS-3
VOLVOVDS-4
VOLVOVDS-4.5
DQC II-18 LA
Cummins CES 20081
Cummins CES 20086
DTFR 15C100

This product meets or exceeds the requirements of:
API CH-4
API CI-4
API CI-4 PLUS

This product meets or exceeds the requirements of:
API CJ-4
API CK-4
API SL
API SM
API SN
JASO DH-2
Caterpillar ECF-3
API SP
ACEA E7
ACEA E11

Properties and Specifications

Property	
Grade	SAE 15W-40
Kinematic Viscosity @ 40 C, mm2/s, ASTM D445	109
Kinematic Viscosity @ 100 C, mm2/s, ASTM D445	14
Flash Point, Cleveland Open Cup, °C, ASTM D92	225
Viscosity Index, ASTM D2270	130
Total Base Number, mgKOH/g, ASTM D4739	9.4
Pour Point, °C, ASTM D97	-33
Ash, Sulfated, mass%, ASTM D874	0.9
Density @ 15 C, g/ml, ASTM D1298	0.875

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
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