Mobil

Mobil Delvac Ultra™ 5W-40 Ultimate Defense

Mobil Commercial Vehicle Lube , France

Ultra-High Performance Diesel Engine Oil

Product Description

Mobil Delvac Ultra 5W-40 Ultimate Defense is an advanced synthetic technology ultra high performance diesel engine oil that provides excellent lubrication including long drain capability, helping towards long engine life for diesel engines operating in severe applications. The advanced technology behind this product delivers exceptional performance in turbo-charged as well as older naturally aspirated engines. Mobil Delvac Ultra 5W-40 Ultimate Defense is recommended for use in a wide range of heavy-duty applications and operating environments found in trucking, mining, construction, agriculture and marine.

Features and Benefits

Modern high output diesel engines run hotter than older engines which significantly increases the demands on engine lubricants. Current tighter engine designs reduce oil consumption, resulting in less fresh oil makeup to replenish depleted additives. Top piston rings are located higher bringing the oil film closer to the combustion chamber where temperatures increase thermal stress on the lubricant. Mobil Delvac Ultra 5W-40 Ultimate Defense helps to protect the engine under severe operating conditions. It is also fully compatible with conventional mineral oils. The key benefits include:

Features	Advantages and Potential Benefits
Excellent thermal and oxidation stability	Control of low temperature sludge build-up and high temperature varnish deposits
High TBN	Helps towards extended drain intervals with high Sulphur fuels
Advanced formulation and viscometrics	Maintains viscosity in severe, high temperature service
Excellent low temperature pumpability	Easier engine start-up and reduced wear
Good resistance to corrosion	Helps towards long life of critical wear surfaces
Long drain capability	Helps towards good operating efficiency and lower overall cost
Component compatibility	Long gasket and seal life, extended service intervals
Low volatility, excellent wear and bore polishing control	Good oil consumption control

Applications

* Mobil Delvac Ultra 5W-40 Ultimate Defense is recommended for use in super high performance diesel applications including turbo-charged and naturally aspirated engines designs

* On-highway engines operating in both high speed/high load and short haul pick-up/delivery; off-highway and marine engines operating in severe low speed/heavy load conditions

* Diesel powered equipment from European builders

Specifications and Approvals

This product has the following approvals:
RENAULT TRUCKS RLD-2

This product has the following approvals:
VOLVO VDS-3
MTU Oil Category 3
MAN M 3277
MAN M 3377
Mack EO-N
DTFR 15B120
Cummins CES 20077
Cummins CES 20078
Cummins CES 20076

This product is recommended for use in applications requiring:
API CF-4
API CG-4

This product meets or exceeds the requirements of:
API CH-4
API CI-4
API CI-4 PLUS
JASO DH-1
ACEA E4
ACEA E7
Caterpillar ECF-2
ISUZU DEO (w/o DPD Equipped Vehicles)

Properties and Specifications

Property	
Grade	SAE 5W-40
Density @ 15.6 C, g/ml, ASTM D1298	0.849
Kinematic Viscosity @ 100 C, mm2/s, ASTM D445	15.4

Property	
Kinematic Viscosity @ 40 C, mm2/s, ASTM D445	92.7
Total Base Number, mgKOH/g, ASTM D4739	14.5
Ash, Sulfated, mass%, ASTM D874	1.2
Flash Point, Cleveland Open Cup, °C, ASTM D92	221
Viscosity Index, ASTM D2270	174
Pour Point, °C, ASTM D97	-48

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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