Mobil

Mobil Delvac™ Extreme

Mobil Commercial Vehicle Lube , Bermuda

Premium Synthetic Diesel Engine Oil

Product Description

Mobil Delvac™ Extreme 15W-40 and 10W-30 are premium synthetic, high performance, diesel engine oils that help extend engine life while providing long drain capability for modern diesel engines operating in extreme conditions. They are recommended for use in a wide range of heavy-duty applications and operating environments found on-and off-highway, including engines operating under heavy loads.
Fully backward compatible, Mobil Delvac Extreme delivers exceptional performance in both newer and older heavy duty engine designs. Accordingly, these oils meet or exceed the requirements of API CK-4, CJ-4, CI-4 PLUS, CI-4 and CH-4 service categories, as well as key original equipment manufacturer (OEM) requirements.

Mobil Delvac Extreme is a boosted formulation designed for extended oil drain service and operations in extreme conditions. It delivers unsurpassed high temperature performance under the extreme operating environments found in the trucking, mining, construction, and agricultural industries.

Features and Benefits

Mobil Delvac Extreme is formulated with synthetic basestocks and a boosted additive system tailored to deliver extended performance for up to two times beyond OEM recommended oil drain intervals[1]. The proprietary formulation delivers excellent wear protection, exceptional oxidation stability[2], and outstanding TBN retention. Mobil Delvac Extreme also provides outstanding resistance to oil consumption, oxidation, corrosive and abrasive wear, and high temperature deposits.

Mobil Delvac Extreme 10W-30 has the potential to improve fuel economy[2].

Features	Advantages and Potential Benefits
Exceptional oxidation stability[3]	Superior performance in extreme conditions and extended ODI service
Excellent soot and viscosity control	Greater engine efficiency, long engine life and long oil life
Excellent oil consumption control	Lower oil costs due to less make-up oil during operation
Outstanding TBN reserves	Corrosion protection and extended drain intervals for both new and old engines using up to 500 ppm sulfur diesel fuel
Low temperature fluidity and pumpability	Formulated for smooth starting in cold weather
Resistance to corrosive and abrasive wear	Long life of critical wear surfaces
Component compatibility	Long gasket and seal life
Meets demanding specifications of key diesel OEMs	One engine oil for mixed diesel fleets
Low ash formulation meeting API CK-4 and CJ-4 requ irements	Long emissions aftertreatment life (DPF, DOC and SCR)

[1]Results may vary based on vehicle/engine condition, driving and environmental conditions Consult OEM or ExxonMobil before implementing extended ODIs.
[2]Compared to an SAE 15W-40 conventional engine oil. Savings are dependent on vehicle engine type, outside temperature, driving conditions, and your current engine oil viscosity.

[3]Based on performance in the Volvo T-13 engine test.

Applications

•Recommended for the latest heavy duty diesel engines operating in extreme conditions, including those equipped with aftertreatment systems and EGR.
• Recommended for diesel applications using older and naturally aspirated conventional designs.
• On-highway heavy-duty trucking and off-highway applications including trucking, mining, construction, agriculture and marine.
• On-highway applications operating in both high speed/high load and short haul pick-up/delivery service.
• Off-highway applications operating in severe low speed/heavy load conditions using up to 500 ppm sulfur fuels.
• Diesel-powered equipment from American, European and Japanese OEMs.

Specifications and Approvals

This product has the following approvals:	MOBIL DELVAC EXTREME 10W-30	MOBIL DELVAC EXTREME 15W-40
Allison TES-439		X
Cummins CES 20081	X	X
Cummins CES 20086	X	X
DTFR 15C100	X	X
Detroit Fluids Specification 93K218	X	X
Detroit Detroit Fluids Specification 93K222		X
Ford WSS-M2C171-F1		X
Mack EO-O Premium Plus	X	X
MACK EOS-4.5	X	X
MTU Oil Category 2.1		X
RENAULT TRUCKS RLD-3	X	X
VOLVO VDS-4	X	X
VOLVO VDS-4.5	X	X

This product is approved by the following OEMs:		
RENAULT TRUCKS RLD-4	X	

This product is recommended for use in applications requiring:		
MAN M 3575	X	X

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

Properties and Specifications

Property	MOBIL DELVAC EXTREME 10W-30	MOBIL DELVAC EXTREME 15W-40

Property	MOBIL DELVAC EXTREME 10W-30	MOBIL DELVAC EXTREME 15W-40
Grade	SAE 10W-30	SAE 15W-40
Ash, Sulfated, mass%, ASTM D874	1	1
Cold-Cranking Simulator, Apparent Viscosity @ -20 C, mPa.s, ASTM D5 293		6100
Cold-Cranking Simulator, Apparent Viscosity @ -25 C, mPa.s, ASTM D5 293	6600	
Density @ 15 C, g/ml, ASTM D1298	0.867	0.872
Flash Point, Cleveland Open Cup, °C, ASTM D92	219	221
Hi-Temp Hi-Shear Viscosity @ 150 C 1x10(6) sec(-1), mPa.s, ASTM D46 83	3.6	4.1
Kinematic Viscosity @ 100 C, mm2/s, ASTM D445	11.8	14.3
Kinematic Viscosity @ 40 C, mm2/s, ASTM D445	81.1	107.4
Mini-Rotary Viscometer, Apparent Viscosity, -30 C, mPa.s, ASTM D4684	18400	
Mini-Rotary Viscometer, Yield Stress, -25 C, Pa, ASTM D4684		16900
Pour Point, °C, ASTM D97	-42	-33
Total Base Number, mgKOH/g, ASTM D2896	10.3	10.3
Viscosity Index, ASTM D2270	140	140

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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