

Product Information

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Lubricants - Engine Oil – Heavy Duty Motor Oils

Version: 122/04a

All Fleet™ Extreme LE engine oil SAE 5W-40

Full synthetic heavy-duty diesel engine oil. Provides superior lubrication and performance in modern diesel engines equipped with exhaust after treatment systems.

All Fleet Extreme LE engine oil is a high performance synthetic motor oil that offers a long-life, extended drain capable, balanced formulation which helps maximize engine durability. All Fleet Extreme LE meets the most demanding requirements of modern diesel engines with Exhaust Gas Recirculation (EGR) and/or Diesel Particle Filter. Suitable for Euro 1,2,3,4,5,6* engines.

**Euro 6 oil recommendations differ per truck brand. Check owner's manual before use.*

Approvals/Performance levels

SAE 5W-40
API: CI-4, CI-4 plus, CJ-4/SM
ACEA E7, E9
Global DHD-1
JASO DH-2
MAN 3275
MB-228.3, 228.31
MTU Type 1 & 2
Renault RVI RLD-3
Volvo VDS-4
Detroit Diesel 93K218
Mack EO-O Premium Plus
Caterpillar ECF-3

Applications

Suitable for heavy-duty diesel engines in trucks and buses and industrial applications where a SAE 5W-40 engine oil is recommended.

Suitable for use in Exhaust Gas Recirculation (EGR) systems, Diesel Particle Filter (DPF) systems and other modern diesel engine technologies.

Can also be used in mixed-fleet operations with heavy trucks, pick-up trucks, and even delivery vans with gasoline engines.

Features and Benefits

Proven improvement in fuel economy

Statistically significant test results find up to 1% maximum improvement in fuel economy using SAE J1321. Testing was conducted by a leading independent laboratory.

Wear protection

Strong oil film protects the engine against wear and corrosion for superior engine durability.

Offers extended drain

With excellent engine cleanliness and high thermal and oxidation stability, All Fleet Extreme LE offers a long-life engine oil with extended drains.

Environmentally friendlier product

All Fleet Extreme LE produces less ashes and contributes to a cleaner environment.



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Health and Safety

This product is not likely to present any significant health or safety hazards when used correctly in the right application. A Safety Data Sheet (SDS) is available on request via your local sales office or via the internet @ <http://msds.ashland.com>

Protect the Environment

Take used oil to an authorized collection point. Do not discharge into drains, soil or water.

Typical Properties

Typical property characteristics are based on current production. Whilst future production will conform to Valvoline™ specifications, variations in these characteristics may occur.

SAE Viscosity Grade	5W-40
Viscosity, mm ² /s @ 100 °C. ASTM D-445	14,6
Viscosity, mm ² /s @ 40 °C. ASTM D-445	88,5
Viscosity Index ASTM D-2270	169
Viscosity, mPa.s –30°C. ASTM D-5293	<6600
TBN, mg KOH/g ASTM D-2896	10,1
Pour Point, °C ASTM D-5950	-38
Specific Gravity @ 15.6°C. ASTM D-4052	0,853
Flash Point, COC, °C. ASTM D-92	>200

**This information only applies to products manufactured in the following location(s):
Europe**

Keeping the world moving since 1866™

Serving more than 100 countries around the globe, Valvoline is a leading marketer, distributor and producer of quality branded automotive and industrial products and services. Products include automotive lubricants including MaxLife™, the first motor oil specifically formulated for higher-mileage vehicles; transmission fluids; gear oils; hydraulic lubricants; automotive chemicals; specialty products; greases, and cooling system products.

For more information on Valvoline products, programs and services please visit www.valvolineeurope.com

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Replaces – 122/03

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