



Havoline[®] Energy EF 5W-30

Ultra high performance synthetic engine lubricant

Product description

Havoline Energy EF is an ultra high performance SAE 5W-30 synthetic engine lubricant designed with an advanced technology additive system formulated to meet latest ACEA specifications and Ford WSS-M2C 934B engine lubrication requirements.

Havoline Energy EF is suitable for gasoline and diesel passenger cars and light duty commercial diesel engines. Havoline Energy EF is a low SAPS oil compatible with diesel particulate filters (DPFs) and three way catalysts (TWCs).

Customer benefits

- **Optimum uptime** — offers advanced engine and emission system protection throughout extended drain periods
- **Minimises exhaust emissions** — low SAPS formulation helps protect catalyst and diesel particulate filter emission control systems
- **Increased engine protection** — rapid lubricant circulation during cold engine starts contributes to optimum wear resistance
- **Keep-clean performance** — advanced additive technology helps minimise deposit and sludge build-up, extending engine life
- **Maintains fuel economy** — advanced performance engine cleanliness aids fuel economy and engine performance
- **Reduced oil consumption** — synthetic base oils promote reduced engine oil volatility, helping reduce oil consumption

Product highlights

- **Extended drain and uptime**
- **Minimises exhaust emissions**
- **Increased engine protection**
- **Keep-clean performance**
- **Maintains fuel economy**
- **Reduced oil consumption**

Selected specification standards include:

ACEA

Ford

Applications

- Havoline Energy EF 5W-30 is suitable for car and light van diesel and gasoline engines and is catalyst compatible with diesel particulate filters (DPFs) and three-way catalysts (TWCs)
- Havoline Energy EF SAE 5W-30 is recommended for vehicles requiring a Ford WSS-M2C934-B approved engine oil

Havoline Energy EF 5W-30 is unsuitable for some engines. Consult owner's manual or handbook if in doubt

Approvals, performance and recommendations

Approvals

- Ford WSS-M2C934-B

Performance

- ACEA C1

Typical test data		
Test	Test Methods	Results
Viscosity Grade		5W-30
Product Code		01373.1
Density, 15 °C, kg/l	ASTM D4052	0.849
Visc, Kinematic, 40 °C, mm ² /s	ASTM D445	52.6
Visc, Kinematic, 100 °C, mm ² /s	ASTM D445	12.5
Viscosity Index	ASTM D2270	166
Pour Point, °C	ASTM D97	-39
Flash Point COC, °C	ASTM D92	224

The information given in the typical data does not constitute a specification but is an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved. This supersedes all previous editions and information contained in them.

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Health, safety, storage and environmental Based on current available information, this product is not expected to produce adverse effects on health when used for the intended application and in accordance with the recommendations provided in the Material Safety Data Sheet (MSDS). MSDS's are available upon request through your local sales office, or via the Internet. This product should not be used for purposes other than its intended use. When disposing of used product, take care to protect the environment and follow local legislation.

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