



# Havoline<sup>®</sup> Energy EF SAE 5W-30

Proven performance fuel efficient synthetic engine oil

## Product description

Havoline Energy EF SAE 5W-30 is a proven performance fuel efficient synthetic engine oil, formulated to meet latest ACEA C1 and C2 specifications, Ford WSS-M2C 934B and Jaguar Land Rover ST-JLR.03.5005 engine oil requirements.

Havoline Energy EF SAE 5W-30 is formulated for use in gasoline and diesel passenger cars and light duty commercial diesel vehicle engines. This low SAPS lubricant is compatible with diesel particulate filter (DPF) and gasoline engine three way catalyst (TWC) aftertreatment systems.

## Customer benefits

- Designed for enhanced fuel economy, robust engine wear protection and service life through improved oil film performance
- Promotes engine and emissions system protection throughout extended drain periods, helping reduce maintenance costs
- Advanced cleaning additives help minimise harmful deposit formation and sludge build-up offering extended engine life
- Low temperature fluidity aids fast lubricant circulation and engine protection during cold engine start-ups

## Product highlights

- **Designed for enhanced fuel economy**
- **Promotes engine wear protection**
- **Helps minimise deposit and sludge build-up**
- **Aids cold engine start protection**

### Selected specification standards include:

ACEA

Ford

Jaguar Land Rover

## Applications

- Havoline Energy EF SAE 5W-30 is suitable for gasoline and diesel passenger cars and light diesel vans and is catalyst compatible with DPF and TWC aftertreatment systems. It combines C1 – the very specific industry specification in Europe – with C2 – the more common specification
- Havoline Energy EF SAE 5W-30 is recommended for vehicles requiring a Ford WSS-M2C934-B and Jaguar Land Rover ST-JLR.03.5005 engine oil

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

## Approvals, performance and recommendations

### Approvals

- Ford WSS-M2C934-B

### Performance

- ACEA C1, C2

### Recommendations

Havoline Energy EF SAE 5W-30 is suitable for use in:

- Jaguar Land Rover ST-JLR.03.5005

Typical test data		
Test	Test Methods	Results
Viscosity Grade		SAE 5W-30
<b>Shelf Life: 60 months from date of filling indicated on the product label</b>		
Density, 15°C, kg/l	ASTM D4052	0.849
Visc, Kinematic, 40°C, mm <sup>2</sup> /s	ASTM D445	52.6
Visc, Kinematic, 100°C, mm <sup>2</sup> /s	ASTM D445	9.46
Viscosity Index	ASTM D2270	166
Pour Point, °C	ASTM D5950	-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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