



# Havoline® Energy 5W-30

High performance fuel conserving synthetic engine lubricant

Product Data Sheet

## Product description

Havoline Energy is a unique, high performance fuel conserving synthetic multigrade engine oil. It is certified against ACEA A1/B1 for low friction, low viscosity oils for service fill in gasoline and light duty diesel engines.

This high performance lubricant is formulated with superior quality synthetic base oils combined with advanced friction modifier additive technologies to provide improved fuel economy, reduced emissions, better wear resistance and excellent cold-start protection.

## Customer benefits

- Superior fuel economy performance
- Reduced exhaust emissions and improved oil consumption
- Wide temperature performance with excellent starting friction protection even at very low temperatures
- Excellent anti-wear performance across the temperature range - from cold-start to high temperature urban driving
- Superior high temperature keep-clean performance protects against harmful varnish and sludge
- High performance corrosion protection across the temperature range

## Applications

- Havoline Energy 5W-30 is designed for extended drain use in naturally aspirated and turbocharged gasoline and diesel engines in modern passenger cars and light commercial vehicles and in gas-fuelled (natural gas and LPG) spark ignition engines
- Havoline Energy 5W-30 is formulated for use in engines designed to use low friction oils. Consult owner manual if in doubt.

## Product highlights:

- Improved fuel economy
- Reduced emissions
- Good for gasoline and diesels
- Selected specification standards include:
  - ACEA A1/B1-04
  - API SL / Energy Conserving
  - ILSAC GF-3
  - Ford
  - Jaguar

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Global Lubricants



## Approvals and performance specifications

### Performance specifications

- ACEA A1/B1-04  
A3/B3-04 (performance level)
- API SL / Energy Conserving (Licensable)
- ILSAC GF-3 (Licensable)

### Approvals

- Ford WSS-M2C913-B (also meets WSS-M2C913-A)
- Jaguar WSS-M2C913-B (also meets WSS-M2C913-A)

## Typical test data

HAVOLINE ENERGY 5W-30		
TEST	TEST METHODS	RESULTS
Viscosity Grade		5W-30
Product Code		40123.1
Density at 15 °C, kg/l	ASTM D4052	0.853
Kinematic viscosity, 40 °C, mm <sup>2</sup> /s	ISO 3104	57.0
Kinematic viscosity, 100 °C, mm <sup>2</sup> /s	ISO 3104	10.3
Viscosity Index	ISO 2909	172
Cranking viscosity, -30 °C, mPa.s	ASTM D5293	4100
Pumping viscosity, -35 °C, mPa.s	ASTM D4684	15000
HTHS at 150 °C, mPa.s	CEC L-36-A-90	2.93
Pour Point, °C	ISO 3016	-45
Flash Point COC, °C	ISO 2592	230
Noack Volatility, %wt	CE -L-40-A-93	12.5
Sulphated Ash, %wt	ASTM 4739	1.1
Colour	ISO 2049	3.5

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.

For more information, go to [www.chevronlubricants.com](http://www.chevronlubricants.com)

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