



Havoline[®] Energy SAE 5W-20

High performance long life, fuel efficient synthetic engine lubricant suitable for use in gasoline engines only

Product description

Havoline Energy SAE 5W-20 is a high performance long life, fuel efficient synthetic engine lubricant, especially designed for use in direct injected, turbocharged 1.0L three cylinder Ford Ecoboost gasoline engines, requiring Ford WSS-M2C948-B.

Havoline Energy SAE 5W-20 is formulated with high performance synthetic base oils in combination with an advanced additive system, designed to offer durable, long-life protection against wear, cold-start engine protection, with fuel efficient, low emissions performance.

Customer benefits

- Offers reduced engine friction, helping provide enhanced fuel economy without compromising lubricant durability and performance
- Helps optimise uptime throughout extended drain due to advanced engine protection and emissions control system protection
- High performance low Phosphorus formulation promotes protection of three-way catalyst emissions control systems
- Low temperature fluidity aids rapid lubricant circulation during cold engine starts, contributing to dependable engine protection
- Synthetic base oil technology and advanced keep-clean additives help reduce deposits and wear, offering extended engine life

Product highlights

- **Offers enhanced, durable fuel economy**
- **Extended drain intervals**
- **Low Phosphorus emissions control system protection**
- **Cold start engine wear resistance**
- **Reduced deposits and wear offer extended engine life**

Selected specification standards include:

ACEA A1/B1	API SN
Ford WSS-M2C948-B	Ford WSS-M2C913-C
Ford WSS-M2C913-B	Ford WSS-M2C925B

Applications*

- Havoline Energy SAE 5W-20 is designed for Ford 1.0L three cylinder Ecoboost gasoline engines but can also be used for gasoline engines where WSS-M2C913-B, 913-C and 925-B are required due to backwards compatibility
- Havoline Energy SAE 5W-20 does not cover WSS-M2C917-A (Ford KA) nor WSS-M2C937-A (Ford focus ST & Ford Focus RS)

* Consult owner manual if in doubt.

Approvals, performance and recommendations

Approvals

- Ford WSS-M2C948-B

Performance

- ACEA A1/B1
- API SN

Recommendations

- Havoline Energy SAE 5W-20 is suitable for use in Ford WSS-M2C913-C, 913-B and 925B gasoline engines

Typical test data		
Test	Test Methods	Results
Viscosity Grade		SAE 5W-20
Shelf Life: 60 months from date of filling indicated on the product label		
Density at 15 °C, kg/l	ASTM D4052	0.832
Kinematic viscosity at 40 °C, mm ² /s	ISO 3104	45
Kinematic viscosity at 100 °C, mm ² /s	ISO 3104	8.4
Viscosity Index	ISO 2909	162
Pour Point, °C	ISO 3016	-39
Flash Point COC, °C	ISO 2592	234

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.

Disclaimer Chevron accepts no liability for any loss or damage suffered as a result of using this product for any application other than applications specifically stated in any Product Data Sheet's.

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.

A Chevron company product