# Havoline® Fully Synthetic SAE 5W-30



Synthetic Passenger Car Motor Oil

### Product description

High performance fully synthetic motor oil formulated from selected synthetic base fluids and proprietary additive technology with deposit control for use in passenger car and light truck gasoline engines under all operating conditions. It provides complete engine protection for vehicles with high performance engines, including those with direct injection and turbochargers.

## Customer benefits and product features

#### **Customer benefits**

### Effective Sludge Control

Synthetic base fluids and proprietary additive technology with deposit control provide effective protection against sludge, varnish and deposit build up to keep modern engines running cleaner and stronger.

#### Excellent Engine Protection

Excellent protection against wear and corrosion to help preserve engines and turbocharger durability.

#### Outstanding Mitigation against Low Speed Pre-Ignition (LSPI)

Outstanding mitigation against Low Speed Pre-Ignition (LSPI) in turbocharged gasoline direct injection (GDI) engines to protect critical engine parts.

## • Delivers fuel economy performance

Specially tailored viscosity characteristics and effective friction modifier minimizes internal engine frictional losses for maximum fuel economy.

#### Minimum maintenance costs

Outstanding thermal stability and oxidation resistance provide maximum protection against in-service oil degradation which contributes to minimizing maintenance costs.

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## Applications

- Direct-injection and turbocharged high-power density gasoline engines.
- Naturally aspirated gasoline engines.
- Low emission passenger car and light duty vehicle with engines fitted with latest catalytic converter or gasoline particulate filter technology.
- Passenger car, SUV, MPV etc. where API SP, ILSAC GF-6A or earlier performance levels products are recommended.

## Product approvals, performance and recommendations

## **Performance and Specifications**

- API SP/RC/SN PLUS (licensed)
- ILSAC GF-6A (licensed)
- FCA Chrysler MS-6395
- Fiat 9.55535-CR1
- Ford WSS-M2C961-A1
- General Motors 6094M

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## Typical test data

HAVOLINE® FULLY SYNTHETIC SAE 5W-30	RESULTS
SAE Grade	5W-30
Product Code	500252
Base No., D2896, mg KOH/g	8.2
Sulfated Ash, m %	0.9
Phosphorus, m %	0.077
Zinc, m %	0.089
Kinematic Viscosity, mm²/s @ 40°C mm²/s @ 100°C	59.2 10.4
Viscosity Index	166

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ENVIRONMENT, HEALTH and SAFETY. Information is available on this product in the Material Safety Data Sheet (MSDS) and Customer Safety Guide. Customers are encouraged to review this information, follow precautions and comply with laws and regulations concerning product use and disposal. To obtain a MSDS for this product, visit the <u>Product Information Center</u>.

This Product Data Sheet (PDS) was produced for the Asia Pacific region based on the best available information at the time of issue. The specific information included may not directly reflect the market or conditions, and may vary. For the most up-to-date, country-specific information, please contact your local customer service center