# Havoline® Formula SAE 15W-40

# Passenger Car Motor Oil



## Product description

Highly shear-stable, multigrade gasoline engine oil formulated from selected base fluids for use in passenger car and light truck engines requiring API SN with SN Plus or lower performance lubricants.

#### Customer benefits

#### Long engine life

Proven metallo-organic anti-wear additive system protects engines under all operating conditions by providing excellent wear control. Multigrade viscosity provides additional protection against wear under high temperature operating conditions

## • Maintains high power and performance

Metallic detergent and ashless dispersant additive system maintains high power and performance by providing excellent control of piston and ring deposits under high temperature conditions.

#### • Improved control of LSPI (Low Speed Pre-Ignition) events

Helps to protect turbocharged gasoline direct injection engines

#### Saves on maintenance costs

High thermal stability and oxidation resistance provides excellent protection against in-service oil degradation that contributes to filter blocking and sludge formation in the oil galleries, crankcase and valve train.

#### Low oil consumption

Highly shear-stable viscosity index improver controls oil flow through the piston rings by maintaining high-temperature oil viscosity within the ring belt area in all services.

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# **Applications**

- Naturally aspirated gasoline engines in passenger cars and light commercial vehicles.
- Four-stroke gasoline engines in portable power equipment where the manufacturer recommends conventional passenger car motor oils.

Not recommended for use in engines that require ILSAC or ACEA-classified oils, in turbocharged engines, in CNG or LPG-fuelled engines, or in motorcycle engines.

## Approvals, performances and recommendations

#### **Performance standards**

API SN with SN Plus (licensed)

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# Typical test data

HAVOLINE® FORMULA SAE 15W-40	RESULTS
SAE Grade	15W-40
Product Code	500009
Base No.,	
D2896, mg KOH/g	7.4
Phosphorous, m%	0.07
Sulfated Ash, m %	0.8
Viscosity,	
mm²/s @ 40°C	108
mm²/s @ 100°C	14.2
Viscosity Index	135
Zinc, m%	0.08