Havoline[®] Formula API SP GF-6 SAE 5W-30



Passenger Car Motor Oil

Product description

Resource conserving, multigrade gasoline engine oil for use in passenger car and light truck engines requiring low viscosity, ILSAC GF-6 or API SP performance lubricants under all operating conditions.

Formulated with Deposit Shield[™] to provide outstanding protection and value for cleaner, smoother running engines.

Customer benefits and product features

Customer benefits

Preserves and protects engines

Proven metallo-organic anti-wear additive system protects engines under all operating conditions by providing excellent wear control in even the most sophisticated valve train mechanisms, including those with variable valve timing. Low viscosity, multigrade, formulation provides additional protection reduces internal engine friction.

Maintains high power and performance

Works immediately upon contact with an engine's moving parts to create a protective coating that shields the engine against the deposits that lead to loss of performance. Provides excellent control of piston and ring deposits under high temperature conditions. Special friction modifiers assist in reducing internal engine friction for maximum fuel economy.

Improved control of LSPI (Low Speed Pre-Ignition) events prevention (reduction) which helps to protect turbocharged gasoline direct injection engines.

• Saves on maintenance costs

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

Reduces fuel consumption

Specifically tailored viscosity characteristics and effective friction modifier minimize internal engine frictional losses.

Low oil consumption

Low volatility, hydro-cracked base oil minimizes oil lose through evaporation.

Product features

 Havoline with Deposit Shield is an advanced detergent formula that helps prevent deposit build up with improved oil stability and increases engine durability. It provides Superior viscosity control that helps maintain engine power and preserve fuel economy.

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Applications

- Naturally aspirated and turbocharged gasoline engines in passenger cars where ILSAC GF-6, API SP or earlier ILSAC or API "S" performance categories are specified.
- Light truck gasoline engines where ILSAC GF-6, API SP or earlier ILSAC or API "S" performance categories are specified.
- Four-stroke gasoline engines in portable power equipment where the manufacturer recommends conventional passenger car motor oils.

Product approvals, performance and recommendations

Performance

ILSAC GF-6A (Licensed) API SP and Resource Conserving (Licensed)

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Typical test data

HAVOLINE® FORMULA API SP GF-6 SAE 5W-30	RESULTS
SAE Grade	5W-30
Product Code	500006
Base No.,	
D2896, mg KOH/g	7.0
Phosphorus, m %	0.07
Sulfur m %	0.2
Viscosity, mm²/s @ 40°C mm²/s @ 100°C	60 10.0
Viscosity Index	149
Zinc, m %	0.08

This bulletin was prepared in good faith from the best information available at the time of issue. While the values and characteristics are considered representative, some variation, not affecting performance, can be expected. It is the responsibility of the user to ensure that the products are used in the applications for which they are intended. Produced by Chevron Global Lubricants: Asia Pacific.

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