



Havoline® Formula ILSAC GF-5, SAE 10W-30 Passenger Car Motor Oil

Product Data Sheet

Customer benefits

- **Longer engine life**

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.

- **Saves on maintenance costs**

High thermal stability and excellent oxidation and nitration resistance provides outstanding protection against in-service oil degradation in both gasoline and gas fuelled engines 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 loss through evaporation.

Applications

- Naturally aspirated and turbocharged gasoline engines in passenger cars and light commercial vehicles
- Naturally aspirated and turbocharged spark ignition engines fueled with CNG, LPG or fitted with gas/gasoline dual fuel systems in passenger cars and light commercial vehicles
- Light truck gasoline engines

Product features:

Resource conserving, multi-grade gasoline engine oil for use in passenger car and light truck engines requiring low viscosity, ILSAC GF-5 or API SN performance lubricants under all operating conditions.

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

A Chevron company product

- Four-stroke gasoline engines in portable power equipment where the manufacturer recommends conventional passenger car motor oils
- Industrial lift trucks fitted with CNG or LPG fuelled engines.

Not recommended for use in diesel engines or motorcycle engines.

Performance standards

- API SN, API Resource Conserving
- ILSAC GF-5

Typical Key Properties

HAVOLINE FORMULA SAE 10W-30	
KEY PROPERTIES	RESULTS
SAE Grade	10W-30
Product Code	500007
Base No., D2896, mg KOH/g	7.3
Phosphorus, m %	0.075
Sulfated Ash, m %	0.76
Viscosity, mm ² /s @ 40°C	67.3
mm ² /s @ 100°C	10.2
Viscosity Index	132
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 Lubricants; Africa, Middle East and Pakistan.

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 www.caltexoils.com.

For more information, go to www.chevronlubricants.com