



Havoline® ProDS Fully Synthetic SAE 10W-50

Synthetic Passenger Car Motor Oil

Product Data Sheet

Customer benefits

Maximum engine life

Wider temperature range capability of the synthetic base fluid ensures correct oil viscosity to reduce friction at start-up, and to provide maximum lubricity during high temperature operation. The effective anti-wear additive system minimizes wear in even the most sophisticated valve train mechanisms, including those with variable valve timing.

Maximum power and performance

Metallic detergent and ashless dispersant additive system ensures maximum power and performance by providing superior control of ring belt and piston skirt deposits, even under the most severe operating conditions.

Minimum maintenance costs

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

Low oil consumption

Synthetic, highly shear-stable formulation provides superior control of oil flow through the ring belt area by maintaining oil viscosity, and reduces oil evaporation at the elevated ring zone temperatures experienced under all operating conditions.

Applications

- Naturally aspirated and turbocharged gasoline engines in passenger cars and light trucks
- Naturally aspirated and turbocharged diesel engines in passenger cars
- Four-stroke gasoline engines in portable power equipment where the manufacturer recommends conventional passenger car motor oils

Not recommended for use in gas-fuelled (CNG or LPG) engines, or in motorcycle engines.

Product features:

- **Havoline® ProDS Fully Synthetic** is a premium performance, multigrade motor oil formulated from selected synthetic base fluids and additive technology for use in passenger car and light truck gasoline and diesel engines operating under all conditions.
- **Havoline® ProDS Fully Synthetic** with high viscosity grade is well suited to very high performance engines in high severity applications. It is optimized to provide complete engine protection plus ultimate performance.
- **Havoline® with Deposit Shield™** is an advanced detergent formula that helps prevent deposit build up for improved oil stability and increased engine durability.
- **Havoline® with Deposit Shield™** provides superior viscosity control that helps maintain engine power and preserve fuel economy.

Typical key properties

HAVOLINE® ProDS FULLY SYNTHETIC	
SAE Grade	10W-50
Product Code	500003
Base No., D2896, mg KOH/g	9.4
Phosphorus, m %	0.096
Sulfated Ash, m %	1.1
Viscosity,	
mm ² /s @ 40°C	118
mm ² /s @ 100°C	17.5
Viscosity Index	164
Zinc, m %	0.11

1504

Performance standards

- API SN (licensed)
- ACEA A3/B3, A3/B4

ENVIRONMENT, HEALTH and SAFETY

Information is available on this product in the Caltex 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.havoline.com.

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
– Asia Pacific