



CALTEX

Havoline® Motor Oil

Passenger Car Motor Oil

Product Data Sheet

Customer benefits

Long engine life

Proven metallo-organic anti-wear additive system resists wear under all operating conditions by forming a protective layer on contact surfaces. Multigrade viscosity provides additional protection against wear at start-up and under high temperature operating conditions as compared with monograde oils of similar performance.

Preserves power and performance

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

Saves on maintenance

Very good thermal and oxidation stability resists in-service oil degradation that contributes to filter blocking and sludge formation.

Applications

- Naturally aspirated and turbocharged gasoline engines in passenger cars where API SJ or lower performance oils are specified.
- Light truck gasoline engines where API SJ or lower performance oils are specified.
- Four-stroke gasoline engines in portable power equipment where the manufacturer recommends conventional passenger car motor oils of API SJ or lower performance.

Not recommended for use in gas-fuelled (CNG or LPG) engines, diesel engines, motorcycle engines, or gasoline engines that require API SL or higher performance oils.

Product features:

- **Havoline® Motor Oil** is a high quality, shear-stable, multigrade engine oil for use in a wide range of passenger car and light-duty commercial vehicle gasoline engines where API SJ performance lubricants are required.
- **Havoline® Motor Oil** provides a high level of protection against starting friction, heat stress and engine deposits.

Typical key properties

HAVOLINE® MOTOR OIL				
SAE Grade	5W-30	10W-30	15W-40	20W-50
Product Code	500013	500014	500015	500016
Base No.,				
D2896, mg KOH/g	5.7	5.7	5.7	5.7
D4739, mg KOH/g	5.4	5.4	5.4	5.4
Phosphorus, m %	0.101	0.101	0.101	0.101
Sulfated Ash, m %	0.88	0.88	0.88	0.88
Viscosity, - mm ² /s @ 40°C	65.9	73.7	112	167
- mm ² /s @ 100°C	10.9	10.9	14.8	19.1
Viscosity Index	157	136	136	130
Zinc, m %	0.11	0.11	0.11	0.11

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Performance standards

- API SJ
- Suitable for use also where API SG, SF or SE oils are specified.

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.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