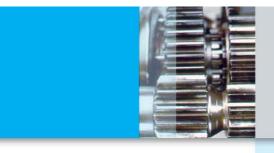


Havoline® Multigrade Efficient performance multigrade gasoline engine oil

Product Data Sheet







Product description

Havoline Multigrade 15W-40, 20W-40 and 20W-50 are efficient performance multigrade engine oils designed for use in passenger car and light truck gasoline engines where API SF performance is required.

Customer benefits

- Metallo-organic anti-wear additives provide reliable engine protection
- Protects against rust and corrosion and improves reliability
- Detergency and dispersancy additives prevent harmful deposit formation
- Thermal stability and oxidation resistance avoids in-service oil degradation, sludge formation and filter blocking

Applications

- Gasoline engines (four-stroke)
- Gasoline engines fitted with emissions control equipment
- Industrial and marine applications of passenger car type gasoline engines

Approvals and performance specifications

Performance specifications

• API SF

Product highlights:

- Reliable engine protection
- Resists rust and corrosion
- Prevents sludge and filter blocking
- Selected specification standards include:
- API









Typical test data

HAVOLINE MULTIGRADE				
TEST	TEST METHODS	RESULTS		
Viscosity Grade		15W-40	20W-40	20W-50
Product Code		500146	500147	500148
Density, 15 °C, kg/l	ASTM D4052	0.88	0.89	0.88
Kinematic viscosity, 100 °C, mm²/s	ASTM D445	14.5	14.5	19.0
Total Base Number, mg KOH/g	ASTM 2896	4.9	4.9	4.9
Elemental Analysis				
- Calcium, %wt	X-Ray/ICP	0.16	0.16	0.16
- Zinc, %wt	X-Ray/ICP	0.06	0.06	0.06

The information given in the typical data does not constitute a specification but is an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved. This supersedes all previous editions and information contained in them.

<u>Disclaimer</u> Chevron accepts no liability for any loss or damage suffered as a result of using this product for any application other than applications specifically stated in any Product Data Sheet's.

<u>Health, safety, storage and environmental</u> Based on current available information, this product is not expected to produce adverse effects on health when used for the intended application and in accordance with the recommendations provided in the Material Safety Data Sheet (MSDS). MSDS's are available upon request through your local sales office, or via the Internet. This product should not be used for purposes other than its intended use. When disposing of used product, take care to protect the environment and follow local legislation.

For more information, go to www.chevronlubricants.com