

Havoline Fully Synthetic Hybrid SAE 0W-20

Passenger Car Motor Oil



Product description

Havoline® Fully Synthetic Hybrid SAE 0W-20 is a resource conserving, multigrade gasoline engine oil, specifically designed for hybrid car engine applications to help provide hybrid vehicles extra care. It is formulated with synthetic base oils and advanced additive technologies.

Customer benefits and product features

Customer benefits

- **Excellent hybrid engine protection**
Designed to safeguard hybrid engines, this formulation offers excellent corrosion resistance and effective anti-rust properties to protect against water contamination. Its low-viscosity, multigrade design helps minimise internal engine friction and supports smooth oil flow during frequent start/stop cycles, promoting efficiency and reliable engine performance.
- **Helps maintain optimal hybrid power and performance with smooth oil flow**
Strong emulsion-forming technology aids smooth oil flow even in the presence of fuel and water contamination. It works upon contact with an engine's moving parts to create a protective coating that helps shields the engine against deposits which can lead to loss of performance.
- **Specifically designed for hybrids**
This advanced formulation offers excellent control of sludge formation, helping to keep engines clean even under low operating temperatures and in short-running hybrid engines. With high thermal stability and exceptional oxidation resistance, it helps provide robust protection against oil degradation, reducing the risk of filter blockages and sludge buildup in vital areas such as the oil galleries, crankcase, and valve train.
- **Helps lower fuel consumption**
Excellent viscometric properties and effective friction modifiers help minimize internal engine friction losses.
- **Longer drain intervals**
High thermal stability and excellent oxidation resistance help prevent oil degradation and aid longer intervals between oil changes.
- **Low oil consumption**
Low volatility, synthetic base oil is formulated to help minimize oil loss through evaporation.

Product features

- Havoline Fully Synthetic Hybrid SAE 0W-20 is designed for hybrid electric vehicles (HEV) and plugin hybrid electric vehicles (PHEV) fitted with internal combustion engines, turbocharged or naturally aspirated, direct or indirect injection, requiring low viscosity API SQ or ILSAC GF-7A performance lubricants where multiple stops and starts of the gasoline engine occur during the different operating phases of the hybrid vehicle.

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Applications

Havoline Fully Synthetic Hybrid SAE 0W-20 is suitable for use in hybrid and gasoline vehicles where an API SQ or ILSAC GF-7A SAE 0W-20 lubricant is recommended.

Product approvals, performance and recommendations

Developed independently by Chevron to comply with the following performance standards and specifications:

HAVOLINE® FULLY SYNTHETIC HYBRID	0W-20
API SQ-RC	Approved
ILSAC GF-7A	Approved

Consult OEM representatives for independent verification, updates and recommendations.

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Typical test data

HAVOLINE® FULLY SYNTHETIC HYBRID	TEST METHOD	RESULT
SAE Grade		0W-20
Product Code		500166
Density, 15 kg/L	ASTM D4052	0.85
Kinematic Viscosity, mm ² /s @ 40°C	ASTM D445	43.5
mm ² /s @ 100°C	ASTM D445	8.5
Viscosity Index	ASTM D2270	172
Pour Point, °C	ASTM D97	-45
Phosphorus, mass %	X-ray/ICP/AA	0.07
Sulfated Ash, mass %	ASTM D874	0.77
Zinc, mass %	X-ray/ICP/AA	0.08

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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 Product Information Center.

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