

# PRODUCT INFORMATION



## Valvoline™ Hybrid Vehicle SAE 0W-20 Engine Oil

Unlike conventional cars, a hybrid has different demands placed on its engine and motor oil. The frequent stop-and-start cycle and longer periods of inactivity do not allow the engine and oil to reach optimal operating temperature for proper protection. That can lead to increased condensation and fuel dilution, causing corrosion, engine wear, and sludge. **Valvoline Hybrid Vehicle Full Synthetic Engine Oil** is engineered for the specific needs of hybrids. The exclusive Trap and Lock Technology™ suspends water molecules in the oil to prevent damage from fuel and water, while ensuring proper lubrication of all metal surfaces. **Valvoline Hybrid Vehicle Full Synthetic Engine Oil** features an anti-corrosion shield for enhanced protection against rust.

**Valvoline Hybrid Vehicle Full Synthetic SAE 0W-20 Engine Oil** meets the newly adopted API SP classification, protecting GDI (Gasoline Direct Injection) engines from low-speed pre ignition (LSPI).

### Specifications and Approvals

#### Valvoline™ Hybrid Vehicle SAE 0W-20\* Engine Oil

API SP

API SN Plus / RC

API SN, SM, SL

ILSAC GF-6A

Resource Conserving (RC)

Ford WSS-M2C962-A1

Chrysler MS-6395

\* Check owners' manual before use.

### Applications

**Valvoline™ Hybrid Vehicle SAE 0W-20 Engine Oil** is specially designed for use in modern hybrid petrol vehicles with the focus to reduce exhaust emissions, engine durability and improve fuel efficiency.

Also, suitable for other passenger cars where for API SP, SN Plus / RC, SN, SM or ILSAC GF-6A is recommended.

### Features and Benefits

#### **Resource conserving formulation**

Low viscosity oil delivers fuel saving performance with no compromise in durability.

#### **Breakdown resistance**

Extra additives protect against early breakdown of the oil compared to conventional oil.

#### **Engine Cleanliness**

Deposit control reduces formation of sludge and varnish, keeps the engine clean for maximum protection.

#### **Consistent viscosity**

Higher tolerance for temperature extremes means oil maintains more consistent viscosity.

#### **Wear protection**

Robust additive package provides tough anti-wear protection to enhances engine life without adversely effecting emissions system.

#### **Fuel efficiency:**

Formulated to a low viscosity to improve fuel economy, reduce friction, and improve power.

# PRODUCT INFORMATION



## Keeping the world moving since 1866™

Serving more than 100 countries around the globe, Valvoline is a leading marketer, distributor and producer of quality branded automotive and industrial products and services. Products include automotive lubricants including MaxLife™, the first motor oil specifically formulated for higher-mileage vehicles; transmission fluids; gear oils; hydraulic lubricants; automotive chemicals; specialty products; greases, and cooling system products.

For more information on Valvoline products, programs and services please visit [www.valvoline.com.au](http://www.valvoline.com.au) or contact the Technical Hotline on 1800 804 658 for product recommendations.

## Typical Properties

Typical property characteristics are based on current production. Whilst future production will conform to Valvoline™ specifications, variations in these characteristics may occur.

Valvoline™ Hybrid Vehicle 0W-20*	Typical
SAE Viscosity Grade	0W-20
Viscosity @ 100 °C, mm <sup>2</sup> /s, ASTM D445	8.30
Viscosity @ 40 °C, mm <sup>2</sup> /s, ASTM D445	43.2
Viscosity Index, ASTM D2270	171
Density @ 15 °C, kg/L, ASTM D4052	0.846
CCS Viscosity, mPa.s @ -35 °C, ASTM D5293	<6000
Pour Point, °C, ASTM D5950	-45

**Note:** Valvoline™ Hybrid Vehicle 0W-20 engine oil may be unsuitable for use in some engines, always consult owners' manual if in doubt.

This information only applies to products manufactured in the following location(s): Australia

Part Number	Pack Size
1456.01	1L
1456.05	5L
1456.20	20L
1456.28	208L

## Health and Safety

This product is not likely to present any significant health or safety hazards when used correctly in the right application. Safety Data Sheet (SDS) is available on request via your local sales office or 1800 804 658 or through our website [www.valvoline.com.au](http://www.valvoline.com.au)

## Protect the Environment

Take used oil to an authorized collection point. Do not discharge into drains, soil or water.

## Storage

Storage We recommend to store all packages under cover. In case outside storage is unavoidable, drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should never be stored above 60 °C, exposed to hot sun or freezing conditions.

## Author:

VP - 24-05-2023  
Replaces - 1456/01