

# Product Information

A PRODUCT OF ASHLAND CONSUMER MARKETS, A COMMERCIAL UNIT OF ASHLAND INC.



*Lubricants - Engine Oil - Heavy Duty Engine Oils*

Version: 108/08b

## Valvoline™ HD Engine Oil SAE 20W-50

*Proven performance for heavy-duty applications*

Valvoline HD Engine Oil SAE 20W-50 is a high performance motor oil, recommended for use in high and low speed four-stroke diesel engines. This is a mineral based oil with advanced additive technology backed by millions of kilometers of quality performance at an economical operating cost. The product exceeds the requirements of the **API CF-4** category providing improved control of oil consumption and piston deposits.

### Approvals/Performance levels

<b>SAE 20W-50</b>
API CF-4

### Applications

Suitable for diesel engines in light trucks and passenger cars.

Can be used for truck fleets and for mixed fleet operations and also for industrial engines.

Suitable for use in mixed fleet in on- and off-highway operations.

### Features and Benefits

#### **Wear protection**

Advanced chemistry reduces friction and engine component wear.

#### **Engine cleanliness**

Unique formulation prevents deposit formation and protects against soot build-up.

#### **Breakdown resistance**

The combination of premium quality base oils and a high-tech additive package helps maximize engine durability.

#### **Multi-Purpose**

Unrivaled value and protection for mixed-fleet applications.

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## Health and Safety

This product is not likely to present any significant health or safety hazards when used correctly in the right application. A Material and Safety Data Sheet (MSDS) is available on request via your local sales office or via the internet @ <http://msds.ashland.com>

## Protect the Environment

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

## Typical Properties

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

<b>SAE Viscosity Grade</b>	20W-50
<b>Viscosity, mm<sup>2</sup>/s @ 100 °C.</b> ASTM D-445	18.0
<b>Viscosity, mm<sup>2</sup>/s @ 40 °C.</b> ASTM D-445	160
<b>Viscosity Index</b> ASTM D-2270	124
<b>Viscosity, mPa.s -15°C.</b> ASTM D-5293	<9500
<b>TBN, mg KOH/g</b> ASTM D-2896	6.5
<b>Pour Point, °C</b> ASTM D-5950	-21
<b>Specific Gravity @ 15.6°C.</b> ASTM D-4052	0.882
<b>Flash Point, COC, °C.</b> ASTM D-92	230

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

## People Who Know Use Valvoline™

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.valvolineurope.com](http://www.valvolineurope.com)

## Author:

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