

# Product Information

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



## Lubricants - Engine Oil - Passenger Car Motor Oils

Version: 055/03

### Valvoline™ All-Climate Extra motor oil SAE 10W-40

*High performance synthetic blend motor oil – Especially engineered to meet the demands of both (turbo)-diesel and petrol engines*

All-Climate Extra Motor Oil SAE 10W-40 Offers increased engine protection and cleans the engine. All-Climate Extra resists and reduces oxidation and it prevents sludge formation in engines and turbo-chargers. Meets the performance requirements of major engine manufacturers.

#### Performance levels

SAE 10W-40
API: SM, SN/CF
ACEA: A3/B4
MB-229.1
Recommended by Valvoline for use in engines specifying VW 505.00 or VW 501.01
Recommended for use where Fiat 9.55535.D2 and G2 is specified.
Renault RN 0700

#### Applications

High performance partly synthetic engine oil formulated to protect turbo and non-turbocharged diesel, petrol and LPG engines.

The product meets the API SN specification and with that it offers fuel economy to passenger car engines even when running on E85 fuel.

Can be used in passenger cars, light trucks, garden equipment, agricultural equipment, pleasure boats, stationary engines, etc. Also suitable for industrial equipment such as telehandlers or forklifts.

#### Features and Benefits

##### Multi-Purpose use

Suitable for many cars, vans, and other equipment operating in all conditions.

##### Cold starts

Multigrade engine oil guarantees a quick cold start in winter and instant protection.

##### Increased engine protection

Strong oil film protects the engine against wear and corrosion also in hot climates.

##### Engine cleanliness

Advanced detergent additives keep the engine clean and in good condition. Prevents black sludge.

##### Deposit control

Exceeds manufacturer performance requirements to offer superior deposit control.

##### Breakdown resistance

Thermal and oxidation stable oil film resists oil breakdown.



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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 Safety Data Sheet (SDS) 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.

All Climate Extra motor oil	
<b>SAE Viscosity Grade</b>	10W-40
<b>Viscosity</b> , mm <sup>2</sup> /s @ 100 °C. ASTM D-445	14.0
<b>Viscosity</b> , mm <sup>2</sup> /s @ 40 °C. ASTM D-445	90
<b>Viscosity Index</b> ASTM D-2270	160
<b>Viscosity</b> , mPa.s -25°C. ASTM D-5293	<7000
<b>TBN</b> , mg KOH/g ASTM D-2896	9.0
<b>Pour Point</b> , °C ASTM D-5950	-39
<b>Specific Gravity</b> @ 15.6°C. ASTM D-4052	0.861
<b>Flash Point</b> , COC, °C. ASTM D-92	220

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

## 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.valvolineeurope.com](http://www.valvolineeurope.com)

## Author:

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