

# Product Information

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



Lubricants - Engine Oil - Passenger Car Motor Oils

Version: 033/03

## MaxLife™ Synthetic Motor Oil SAE 5W-40

*The first formulation with extra ingredients to extend engine life - Fully Synthetic motor oil revitalizes late-model high-kilometer engines, slowing the aging process.*

With special additives such as advanced seal conditioners and cleaning agents, MaxLife engine oils revitalize critical parts to help engines run better longer. Voted 'Product of the Year' by Lubricant's World\*, MaxLife motor oil is endorsed by the leading independent European approval body TÜV Nord.

### Approvals/Performance levels

<b>SAE 5W-40</b>
API SM/CF
ACEA A3/B4-04
Suitable for use in applications where Volkswagen 502.00/505.00 or MB 229.1/229.3 are specified.

### Applications

For petrol and diesel engines of passenger cars, delivery vans, light passenger buses, campers, utility trucks, etc.

Developed for use in late-model high-kilometer vehicles.

For cold weather conditions.

For cars with long-drain intervals.

Suitable for Direct Injected Diesel engines (Volkswagen DID test).

### Features and Benefits

#### Exclusive Multi-Life™ additives

Combat the 4 major causes of engine breakdown: leaks, deposits, sludge and friction.

#### Oil consumption

Special seal conditioners help lower -- or even stop -- the high oil consumption of high-kilometer engines.

#### Deposit control

Extra cleaning agents reduce deposit formation in the combustion chamber.

#### Wear protection

Unique friction modifiers provide superior protection at start-up, even under extreme conditions.

#### Breakdown resistance

Advanced additives minimize oil breakdown and burn-off.

#### Multi purpose use

Synthetic formula suitable for variety of vehicles.

#### Extended engine life

Special seal conditioners and cleaning agents revitalize critical areas in the engine to extend engine life.

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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.

MaxLife Synthetic motor oil	
SAE Viscosity Grade	5W-40
Viscosity, mm <sup>2</sup> /s @ 100 °C. ASTM D-445	14.2
Viscosity, mm <sup>2</sup> /s @ 40 °C. ASTM D-445	87
Viscosity Index ASTM D-2270	174
Viscosity, mPa.s -30°C. ASTM D-5293	<6600
TBN, mg KOH/g ASTM D-2896	10.3
Pour Point, °C ASTM D-5950	-41
Specific Gravity @ 15.6°C. ASTM D-4052	0.852
Flash Point, COC, °C. ASTM D-92	220

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:

AdG

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