



# PRODUCT INFORMATION

*Lubricants - Engine Oil - Passenger Car Motor Oils*

## Valvoline™ All-Climate™ C3 5W-40

High quality full synthetic motor oil. Formulated for year round performance. Proven and trusted technology for a broad range of engines. Especially suitable for turbo charged diesel engines.

Performance levels
ACEA C3
API SM, SN/CF
BMW LL-04 <2019
MB-226.5, 229.31
Ford WSS-M2C917-A
Porsche A40
Renault RN0700/0710
VW 505 00 / 505 01

### Applications

Suitable for a wide range of engines. Especially suitable for turbo charged diesel engines of passenger cars and light trucks

Recommended for Volkswagen Unit Injector diesel engines (< 2000, Pumpe Düse Motoren). But also suitable for modern engines with Diesel Particle Filter (DPF) or Three Way Catalyst systems TWC.

### Features & Benefits

#### Year round performance

All-Climate engine oils are formulated for year round performance. Meeting industry performance levels.

#### Broad vehicle application

High quality formulation suitable for a wide range of vehicles.

#### Cold start performance

Instant oil flow at low temperatures provides easy cold starts and optimal lubrication within seconds after ignition.

#### Wear protection

Strong oil film provides protection against wear under all operating conditions.

#### Engine cleanliness

Through use of detergent additives the engine is kept clean and in good condition.

#### Deposit control

Prevents forming of sludge and harmful deposits inside the engine.

#### Breakdown resistance

Thermal and oxidation stable oil film resists oil breakdown

#### Fuel Economy

Low viscosity and special additives result in maximum reduction of friction which results in a lower fuel consumption.



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## Keeping the world moving since 1866™

Serving more than 100 countries around the globe, Valvoline Global Operations is a leading marketer, distributor and producer of quality branded automotive and industrial products and services. Products include automotive lubricants; 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  
<https://www.valvolineglobal.com/en-eur/>  
or <http://pisheets.valvolineglobal.com>

## Health & Safety

For more information about environment requirements, product safe handling, storage, and disposal, please refer to the product Safety Data Sheet (SDS) available at <http://sds.valvolineglobal.com>

## Typical properties

### All-Climate Motor Oil C3

<b>SAE Viscosity Grade</b>	5W-40
<b>Viscosity @ 100°C, mm<sup>2</sup>/s</b>	14.3
ASTM D445	
<b>Viscosity @ 40°C, mm<sup>2</sup>/s</b>	87
ASTM D445	
<b>Viscosity Index</b>	171
ASTM D2270	
<b>Viscosity @ -30°C, mPa.s</b>	< 6400
ASTM D5293	
<b>TBN, mg KOH/g</b>	7.5
ASTM D2896	
<b>Pour Point, °C</b>	-42
ASTM D5949	
<b>Density @ 20°C, g/cm<sup>3</sup></b>	0.854
ASTM D1298	
<b>Flash Point, COC, °C</b>	224
ASTM D92	

\*The data provided is for reference only and can be applied only for the specific production location.

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

Effective date: 11/19/2025