

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	
SAE Viscosity Grade	5W-40
Viscosity @ 100°C, mm²/s ASTM D445	14.3
Viscosity @ 40°C, mm²/s ASTM D445	87
Viscosity Index ASTM D2270	171
Viscosity @ -30°C, mPa.s ASTM D5293	< 6400
TBN, mg KOH/g ASTM D2896	7.5
Pour Point, °C ASTM D5949	-42
Density @ 20°C, g/cm³ ASTM D1298	0.854
Flash Point, COC, °C ASTM D92	224

*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