

Product Information

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



Lubricants - Engine Oil - Passenger Car Motor Oils

Version: 045/03c

Valvoline™ All Climate Motor Oil SAE 20W-50

High performance engine oil – Uniquely engineered to meet the demands of both turbo-diesel and petrol engines

All Climate Motor Oil SAE 20W-50 helps resist oxidation and prevent sludge formation on turbocharger bearings **not only meeting but exceeding** the demands of both turbo-diesel and petrol engines.

Approvals/Performance levels

SAE 20W-50
API SL/CF
ACEA A3/B3-10
MB-229.1
Recommended by Valvoline for use in engines specifying VW 505.00 or VW 501.01

Applications

High performance conventional engine oil formulated to protect turbo and non-turbocharged diesel, petrol and LPG engines. Exceeds the severe ACEA A3/B3 limits for piston cleanliness in the Volkswagen TDI engine test

Can be used in passenger cars, light trucks, garden equipment, pleasure boats, motorcycles without wet clutch, 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, also in wintertime.
For extra cold climates we advise SAE 10W-40.

Increased engine protection

Strong oil film protects the engine against wear and corrosion.

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 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.

All Climate motor oil	
SAE Viscosity Grade	20W-50
Viscosity , mm ² /s @ 100 °C. ASTM D-445	18.0
Viscosity , mm ² /s @ 40 °C. ASTM D-445	162
Viscosity Index ASTM D-2270	124
Viscosity , mPa.s –15°C. ASTM D-5293	<9500
TBN , mg KOH/g ASTM D-2896	8.6
Pour Point , °C ASTM D-5950	-27
Specific Gravity @ 15.6°C. ASTM D-4052	0.885
Flash Point , COC, °C. ASTM D-92	227

**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

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Replaces – 045/02c

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