

Product Information

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



Lubricants - Engine Oil - Heavy Duty Engine Oils

Version: 105/04b

All-Fleet™ engine oil SAE 20W-50

All-Fleet engine oil is a high performance universal mixed fleet oil, recommended for gasoline, LPG and diesel engines. This oil is specially engineered to provide extra protection to those vehicles operating under the severe service demands of mixed fleets. Selected additives help minimize sludge formation caused by frequent stop-and-go driving conditions, thereby helping to reduce engine wear. Additional benefits include soot dispersancy and piston deposit control which helps keep engines cleaner.

Approvals/Performance levels

SAE 20W-50
API CF, CF-4, CG-4
ACEA A2-96/3, B2-98/2
ACEA E2-96/4
MB-approval 228.1
MAN 271

Applications

Suitable for mixed fleets of trucks, buses, light trucks, vans and passenger cars.

Recommended for gasoline, LPG and diesel engines.

For severe service demands.

Features and Benefits

Wear protection:

Strong oil film protects the engine against wear and corrosion.

Engine cleanliness

Superior soot control and corrosion protection minimizes sludge and piston deposits.

Break down resistance:

Thermal and Oxidation stable oil film.

Multi Purpose:

Suitable for mixed fleet operation.

Also suitable for older engines.

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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.

SAE Viscosity Grade	20W-50
Viscosity, mm²/s @ 100 °C. ASTM D-445	18.1
Viscosity, mm²/s @ 40 °C. ASTM D-445	164
Viscosity Index ASTM D-2270	125
Viscosity, mPa.s -15°C. ASTM D-5293	<9000
TBN, mg KOH/g ASTM D-2896	8.5
Pour Point, °C ASTM D-5950	-27
Specific Gravity @ 15.6°C. ASTM D-4052	0.887
Flash Point, COC, °C. ASTM D-92	224

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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AdG

Replaces – 105/03

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