

Product Information

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



Lubricants - Engine Oil - Heavy Duty Engine Oils

Version: 101/12b

All-Fleet™ Extra engine oil SAE 20W-50

All-Fleet Extra engine oil is a Super High Performance Diesel (SHPD) engine oil for use in heavy-duty, turbo-charged industrial and truck-engines. This oil is specially engineered to meet the long drain requirements of the world's leading truck manufacturers and contains a special additive system to keep the engine clean, prevent ring sticking and wear, and maintain maximum output longer.

Approvals/Performance levels

SAE 20W-50
ACEA E3-96/4
API CF-4, CG-4
Mack EO-M (plus)
MAN 271

Applications

Suitable for heavy-duty engines in trucks and buses and for marine and industrial applications.

Suitable for Selective Catalytic Reduction (SCR) and Exhaust Gas Recirculation (EGR) systems -- **not** for Diesel Particle Filter (DPF) after treatment systems.

Recommended by major OEMs

Features and Benefits

SHPD

Super High Performance Diesel Engine Oil.

OEM approved

Recommended and approved by many major heavy-duty engine manufacturers.

Long-life

Maximizes engine durability.

Long-drain

Suitable for middle long-drain oil refreshment periods.

Clean engine

Special additives prevent ring sticking, deposit buildup.

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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	162
Viscosity Index ASTM D-2270	123
Viscosity, mPa.s -15°C. ASTM D-5293	<9500
TBN, mg KOH/g ASTM D-2896	8.6
Pour Point, °C ASTM D-5950	-24
Specific Gravity @ 15.6°C. ASTM D-4052	0.890
Flash Point, COC, °C. ASTM D-92	222

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 – 101/11

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