

PRODUCT INFORMATION



Lubricants - Engine Oil - Heavy Duty Engine Oils

Version: 174/02

Valvoline™ ProFleet™ LS Plus 10W-40

Superior heavy duty engine oil approved by leading OEMs, designed for use in the latest and next-generation low-emission diesel engines. This synthetic engine oil is engineered to maintain outstanding engine and exhaust after-treatment systems cleanliness, combined with superior cold start protection. PROFLEET™ LS PLUS 10W-40 has been formulated to meet ACEA E8, E7, E11 and API CK-4 and other major OEM claims, where 10W-40 is recommended.

OEM Approvals
DTFR 15C120 (MB-228.52), DTFR 15C110 (MB-228.51)
Renault VI RLD-3
Cummins CES 20086
Deutz DQC IV-18 LA
MAN M3775
MTU Type 3.1
Volvo VDS-4.5
Mack EOS-4.5

Performance levels
ACEA E11, E9, E8, E6, E7
API CK-4, CJ-4, CI-4+, CI-4, CH-4, SN
Caterpillar ECF-3, ECF-2
Cummins CES 20081
DTFR 15C100 (MB-228.31)
Detroit Diesel DDC 93K222, 93K218
JASO DH-2, DH-1
Mack EO-N
MTU Type 2.1
Renault VI RLD-2
Voith Class B
Volvo VDS-4, VDS-3

Applications

Suitable for all heavy-duty high performance Euro diesel engines in trucks and buses as well as industrial vehicles, with Exhaust Gas Recirculation (EGR), Selective Catalytic Reduction (SCR) systems and Diesel Particulate Filters (DPF). Fulfills the Ultra High-Performance Diesel (UHPD) recommendations of major engine builders.

Features & Benefits

Protects Engine and Emissions System

Strong oil film protects the engine against wear and corrosion. Protects diesel engine exhaust fume after-treatment systems (EGR, SCR, DPF). Reduces the formation of sludge at low temperatures and deposits at high temperatures.

Maintains Engine Performance

Suitable for trucks and buses with extra-long-drain oil refreshment intervals.

Fuel Economy

Synthetic low viscosity engine oil provides excellent fuel economy properties.

Environment

Better for the environment because of lower Sulphur, Phosphorous and Sulphated Ash content.

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Keeping the world moving since 1866™

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; 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>

Typical properties

Typical property characteristics are based on current production. Whilst future production will conform to Valvoline specifications, variations in these characteristics may occur.

ProFleet LS Plus	
SAE Viscosity Grade	10W-40
Viscosity, mm²/s @ 100°C ASTM D-445	14,3
Viscosity, mm²/s @ 40°C ASTM D-445	98,5
Viscosity Index ASTM D-2270	149
Viscosity, mPa.s -25°C ASTM D-5293	6376
TBN, mg KOH/g ASTM D-2896	10,1
Pour Point, °C ASTM D-5949	-42
Specific Gravity @ 15,6°C ASTM D-4052	0,864
Flash Point, COC, °C ASTM D-92	222

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

Health & Safety

This product is not likely to present any significant health or safety hazards when properly used in the recommended application and good standards of personal hygiene are maintained. Reference is made to the Safety Data Sheet (SDS) which is available on request via your local sales office or via the internet <http://sds.valvolineglobal.com>

Protect the environment

Take used oil to an authorized collection point. Comply with local regulations. Do not discharge into drains, soil or water.

Storage

We recommend to store all packages under cover. In case outside storage is unavoidable, drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should never be stored above 60°C, exposed to hot sun or freezing conditions.

Replaces – 174/01

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