

PRODUCT INFORMATION



Lubricants - Engine Oil - Heavy Duty Engine Oils

Version: 164/05

ProFleet™ LS Plus 5W-30

Superior heavy duty engine oil approved by leading OEM's, designed for use in the latest and next-generation low-emission diesel engines.

Engineered to meet the latest EU standards, and to maintain outstanding engine and after-treatment systems cleanliness, with superior cold start protection. This low viscosity 5W-30 synthetic oil provides increased fuel economy and engine performance. Designed for Euro 6 engines with an exhaust fume after-treatment system (also applicable for older Euro engines).

| Approvals & Specifications |
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| ACEA E7, E8, E11 |
| API CK-4, CJ-4, CI-4 PLUS, CI-4, CH-4/SN |
| Caterpillar ECF-3, ECF-2 |
| Cummins CES 20086 |
| DAF Extended drain |
| Daimler Truck DTFR 15C120 (MB-228.52) |
| Daimler Truck DTFR 15C110 (MB-228.51) |
| Daimler Truck DTFR 15C100 (MB-228.31) |
| Detroit Diesel DDC 93K222 |
| Deutz DQC IV-18 LA |
| Ford WSS-M2C213-A1 |
| JASO DH-2, DH-1 |
| Mack EOS-4.5 |
| MAN M3677, M3775 |
| MTU type 3.1, type 2.1 |
| Renault RLD-3 |
| Scania LDF-4 |
| Voith Class B |
| Volvo VDS-4.5, VDS-4, VDS-3 |
| Recommended for use: |
| IVECO 18-1804 TLS E6 |

*Check owner's manual before use

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 | 5W-30 |
| Viscosity, mm²/s @ 100°C ASTM D-445 | 11,7 |
| Viscosity, mm²/s @ 40°C ASTM D-445 | 70,5 |
| Viscosity Index ASTM D-2270 | 161 |
| Viscosity, mPa.s -30°C ASTM D-5293 | < 6600 |
| TBN, mg KOH/g ASTM D-2896 | 10,0 |
| Pour Point, °C ASTM D-5949 | -42 |
| Specific Gravity @ 15.6°C ASTM D-4052 | 0,857 |
| Flash Point, COC, °C ASTM D-92 | 234 |

**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 – 164/04

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