# **PRODUCT INFORMATION**



## **PROFLEET<sup>™</sup> LS Plus 5W-30**

**ProFleet™ LS Plus 5W-30** is a premium full synthetic engine oil engineered to meet the latest OEM specifications and designed for use in the latest and next generation low emission diesel engines.

**ProFleet™ LS Plus 5W-30** unique formulation offers a lower Sulphated Ash, Phosphorus, and Sulphur (SAPS) content to protect the latest after treatment systems, such as Exhaust Gas Recirculation systems (EGR), Selective Catalytic Reduction (SCR) systems and Diesel Particulate Filters (DPF) after treatment systems. The low viscosity 5W-30 and the full synthetic formulation provide fuel economy and extra-long drain intervals. Suitable for Euro 1,2,3,4,5,6\* engines.

\*Euro 6 oil recommendations differ per truck brand. Check owner's manual before use.

#### **Specifications and Approvals**

#### PROFLEET<sup>™</sup> LS Plus 5W-30\*

ACEA E7, E8 (E6-2016), E11 (E9-2016) API CK-4/SN Caterpillar ECF-3, ECF-2 CUMMINS CES 20086 Approved DAF Extended Drain DTFR 15C120 (MB 228.52) Approved DTFR 15C110 (MB 228.51) Approved DTFR 15C100 (MB 228.31) Detroit Diesel DDC 93K222 Deutz DQC IV-18LA Approved Ford WSS-M2C213-A1 JASO DH-2, DH-1 MACK EOS-4.5 Approved, M3775 MTU Type 3.1, 2.1 Renault RLD-3 Approved Scania LDF-4 Approved Voith Class B VOLVO VDS-4.5 Approved, VOLVO VDS-4.5 Approved,			
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Scania LDF-4 Approved Voith Class B VOLVO VDS-4.5 Approved, VOLVO VDS-4, VDS-3 Recommended for use: IVECO 18-1804 TLS E6	MTU Type 3.1, 2.1		
Voith Class B VOLVO VDS-4.5 <i>Approved</i> , VOLVO VDS-4, VDS-3 <b>Recommended for use:</b> IVECO 18-1804 TLS E6	Renault RLD-3 Approved		
VOLVO VDS-4.5 <i>Approved</i> , VOLVO VDS-4, VDS-3 <b>Recommended for use:</b> IVECO 18-1804 TLS E6	Scania LDF-4 Approved		
VOLVO VDS-4, VDS-3 Recommended for use: IVECO 18-1804 TLS E6	Voith Class B		
Recommended for use: IVECO 18-1804 TLS E6	VOLVO VDS-4.5 Approved,		
IVECO 18-1804 TLS E6	VOLVO VDS-4, VDS-3		
	Recommended for use:		
Check owners' manual before use.	IVECO 18-1804 TLS E6		
	*Check owners' manual before use.		

### Applications

Suitable for heavy-duty high performance Euro diesel engines in trucks and buses as well as industrial vehicles.

Suitable for use in high performance Euro diesel engines with Exhaust Gas Recirculation (EGR), Selective Catalytic Reduction (SCR) systems and Diesel Particle Filters (DPF) after treatment systems. Fulfills the Ultra High Performance Diesel (UHPD) recommendations of major engine builders. Suitable for trucks and buses with long-drain oil refreshment periods.

(EGR: Exhaust Gas Recirculation) (SCR: Selective Catalytic Reduction) (DPF: Diesel Particle Filter)

#### Features and Benefits

#### Protects Engine and Emissions System

Strong oil film protects the engine against wear and corrosion. Protects diesel engine exhaust fume after-treatments systems. 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 intervals

#### **Fuel Economy**

Synthetic low viscosity engine oil provides excellent fuel economy properties

#### Environment

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

### **KEEPING THE WORLD MOVING SINCE 1866"**

# **PRODUCT INFORMATION**



#### 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 including MaxLife<sup>™</sup>, 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 <u>www.valvoline.com.au</u> or contact the Technical Hotline on 1800 804 658 for product recommendations.

#### **Typical Properties**

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

PROFLEET™ LS Plus 5W-30	Typical
SAE Viscosity Grade	5W-30
Viscosity @ 100 °C, mm²/s, ASTM D445	11.7
Viscosity @ 40 °C, mm <sup>2</sup> /s, ASTM D445	70.5
Viscosity Index, ASTM D2270	161
Density @ 15°C, kg/L, ASTM D4052	0.857
Total Base Number, mg KOH/g, ASTM D2896	10.0
CCS Viscosity, mPa.s @ -30°C, ASTM D5293	<6600
Flash Point (COC), °C, ASTM D92	234
Pour Point, °C, ASTM D5950	-42

Note: Profleet<sup>™</sup> LS Plus 5W-30 engine oil may be unsuitable for use in some engines, always consult owners' manual if in doubt.

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

Part Number	Pack Size
1487.20	20L
1487.28	208L

#### Health and Safety

This product is not likely to present any significant health or safety hazards when used correctly in the right application. Safety Data Sheet (SDS) is available on request via your local sales office or 1800 804 658 or through our website <a href="http://www.valvoline.com.au">www.valvoline.com.au</a>

#### **Protect the Environment**

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

#### Storage

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.

Author: VP - Effective 19-08-2024 Replaces - 1487/01

**KEEPING THE WORLD MOVING SINCE 1866"**