

## PROFLEET™ LS-F 5W-30

ProFleet™ LS-F 5W-30 is a 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-F 5W-30 has been formulated to meet API FA-4 and other major OEM claims, where 5W-30 is recommended.

### Specifications and Approvals

PROFLEET™ LS-F 5W-30*
API FA-4, F01
API SN Plus, SN
Cummins CES 20087
Detroit Diesel DDC 93K223
DTFR 15C130 <i>Approval</i>
JASO DH-2
Mack EOS-5 <i>Approved</i>
Renault VI RLD-5 <i>Approved</i>
VOLVO VDS-5 <i>Approved</i>

\*Check owners' manual before use.

### Applications

ProFleet LS-F Engine Oil SAE 5W-30 is a premium synthetic engine oil for use in 4-stroke diesel engines of 2017 and later where API FA-4 is required. It fulfills the Ultra High-Performance Diesel (UHPD) recommendations of major engine manufacturers. The unique formulation offers a lower Sulphated Ash, Phosphorous, and Sulphur content in order to protect the latest after treatment systems, such as Exhaust Gas Recirculation systems (EGR), Selective Catalytic Reduction (SCR) systems and Diesel Particulate Filters (DPF). The low HTHS (high temperature high shear) viscosity and the synthetic formulation provide increased fuel economy.

(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-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.

#### **Wear protection**

Strong oil film protects the engine against wear and corrosion. This motor oil will flow even at very low temperatures, with that protecting the engine against wear at cold start-ups.

#### **Fuel Economy**

Synthetic low viscosity engine oil includes excellent fuel economy due to its low high temperature - high shear viscosity.

#### **Environment**

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

#### **Engine cleanliness**

Keeps the engine clean and in good condition over extended long drain periods. Unique formulation prevents deposit formation and protects against soot build-up.

# 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™, 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.valvoline.com.au](http://www.valvoline.com.au) 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™ specifications, variations in these characteristics may occur.

PROFLEET™ LS-F SAE 5W-30	Typical
SAE Viscosity Grade	5W-30
Viscosity @ 100 °C, mm <sup>2</sup> /s, ASTM D445	9.6
Viscosity @ 40 °C, mm <sup>2</sup> /s, ASTM D445	58.0
Viscosity Index, ASTM D2270	150
Density @ 15 °C, kg/L, ASTM D4052	0.859
Total Base Number, mg KOH/g, ASTM D2896	>10
CCS Viscosity, mPa.s @ -30 °C, ASTM D5293	<6400
Flash Point (COC), °C, ASTM D92	226
Pour Point, °C, ASTM D5950	-45

**Note:** ProFleet™ LS-F 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
889635	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 [www.valvoline.com.au](http://www.valvoline.com.au)

## 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:

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