Product Information

# ENEOS GRAND-LX 5W-30

## Latest Generation low-SAPS Heavy Duty Diesel Engine Oil

**ENEOS GRAND-LX 5W-30** is the fully synthetic Ultra High-Performance Diesel (UHPD) engine oil meeting the requirements of the latest API CK-4/SN specification. It is especially engineered for diesel engines meeting Euro I, II, III, IV, V & VI and EPA 2010 emission requirements and running under severe operating conditions. Suitable for use with NOx reduction systems and particulate filters. This oil is based on Low SAPS technology (Low Sulphur, Sulphated Ash and Phosphorus) to protect the exhaust gas after-treatment systems of heavy duty vehicles, trucks, busses and construction machinery. Specially formulated for the lubrication of the latest generation of engines (EURO VI) equipped with Diesel Particulate Filters. Designed to provide ultimate performance and protection as well as advanced Fuel Economy. It provides extended drain capability and outstanding low-temperature performance. ENEOS GRAND-LX 5W-30 meets and exceeds OEMs requirements for extended drain interval, performance at extreme temperatures as well as cold-start protection.

## SPECIAL FEATURES

### Enhanced Emission Systems Protection

ENEOS GRAND-LX 5W-30 engine oil has been engineered with advanced low-SAPS formulation that guarantees outstanding protection for most engine and exhaust after-treatment parts and emission control systems installed to meet emissions regulations.

### Extended engine life

Our most advanced heavy-duty diesel oil has been designed to provide outstanding wear performance for all engine components and deliver prolonged oil performance and long oil life for extended drain intervals. This is advanced full-synthetic, all-climate formulation with exceptional resistance to breakdown through supreme oxidation stability, reducing deposits, and neutralizing harmful acids. It maintains its viscosity in wide temperature range providing wear protection under all operating conditions.

### Fuel economy

This oil offers outstanding savings in fuel consumption (compared to conventional SAE 15W40), without compromising on engine protection or increasing oil consumption. It exceeds leading industry manufacturers fuel economy requirements.

Thanks to its lower viscosity ENEOS GRAND-LX 5W-30 also offers proven cold-start protection as it starts flowing through the engine faster to lubricate vital engine components

## APPLICATION

Recommended for use in wide range of engine generations up to most recent and latest most sophisticated high performance diesel engines with turbo-charger, direct injection and low emission system architecture, for all types of exhaust after-treatment technologies. This heavy-duty diesel engine oil is designed for use in engines using standard as well as low sulphur diesel or biodiesel fuels in on-highway trucks and buses, in short-haul and long-haul.

It offers exceptional performance in off-highway machinery equipment in high-speed heavy duty diesel engines.

ENEOS GRAND-LX 5W-30 is particularly designed for Daimler, VOLVO and Renault Trucks engines fitted with diesel particulate traps (& exhaust after-treatment devices) under all operating conditions.

## RECOMMENDATIONS & SPECIFICATIONS

- API CK-4/ SN Plus
- ACEA E6/E7/E9-16, ACEA E7/E11-22
- Daimler Truck DTFR 15C120/110/100 (ex MB 228.52/228.51/228.31)
- MB235.28
- MAN Truck & Bus M3775
- MTU Type 3.1
- Volvo VDS-4.5
- Renault Trucks RLD-3
- MACK EOS-4.5
- Cummins CES 20086
- Caterpillar ECF-3
- Deutz DQC IV-18 LA
- Detroit Diesel DFS 93K222
- Scania LDF-4
- Voith Class B

## PACK SIZES

20 Litres Pail, 208 Litres drum, 1000 litres IBC

## TYPICAL PROPERTIES

| SAE viscosity grade | **5W-30** |
|---|---|
| Density (20°C), g/cm$^3$ | 0.856 |
| Flash point (COC), °C | 220 |
| Kinematic viscosity | |
| (40°C), mm$^2$/s | 74.85 |
| (100°C), mm$^2$/s | 12.4 |
| Viscosity at HTHS, mPas (cP) | 3.45 |
| Viscosity index | 165 |
| Pour point, °C | –45.0 |
| TAN, mgKOH/100g | 1.8 |
| TBN, mgKOH/100g | 9.1 |
| Sulphated Ash, % w/w | 0.98 |

Note: The typical properties may be changed without notice. (November 2024)

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