ENEOS GRAND-LA 10W-40

New Generation low SAPS technology Heavy Duty Diesel Engine Oil

ENEOS Grand-LA 10W-40 is the new generation Heavy Duty Diesel Engine Oil based on Low SAPS technology (Low Sulphur, Sulphated Ash and Phosphorus) to protect the exhaust gas after-treatment systems of heavy-duty vehicles, trucks, buses and construction machinery. Specially formulated for the lubrication of the latest generation of engines (EURO 4 and EURO 5) equipped with Diesel Particulate Filters and EURO 4 engines equipped with selective catalytic reduction (SCR) units. Provides ultimate performance and protection also for EURO 3 and older engines from Europe, USA and Japan.

SPECIAL FEATURES

- **Exceptional piston cleanliness**

  A unique oil formulation to offer exceptional piston cleanliness, resulting in the cleaner, efficient and reliable engine.

- **Extended engine life**

  This oil exceeds the demanding wear protection standards of a wide range of European, American and Japanese engines providing effective protection under all operating conditions. This oil is effective at minimising bore polish and valve-train wear, thus maximising engine life and minimising costly downtime and maintenance.

- **Shear stable**

  The extremely stable viscosity index improver used in this oil is highly resistant to viscosity shear. When subjected to heavy mechanical shearing action, this feature controls the viscosity of the oil throughout its service life, reducing oil consumption and minimising wear.

- **Fuel economy**

  This oil offers considerable savings in fuel consumption, (compared to conventional SAE 15W40), without compromising on engine protection or increasing oil consumption.

- **Lower operating costs**

  This oil makes a significant contribution towards reducing operating cost of vehicle through:

  - Reduced downtime
  - Sustained high performance for life of the vehicle
  - Maximising particulate trap filter life
  - Fuel economy
  - Maximising vehicle resale through demonstrated excellence in maintenance

APPLICATIONS

- This oil offers outstanding performance in high-speed heavy duty European diesel engines and is particularly designed or suited for Daimler, VOLVO Trucks and MAN Euro IV & V engines fitted with diesel particulate traps (& exhaust after-treatment devices) under all operating conditions.
- Suitable for use in buses and trucks fitted with engines designed to run on 100% CNG but requiring relatively high TBN oils in order to adequately control deposits and wear (i.e. MB, MAN and Volvo engines).
- Universal Oil for use in Cummins, Mack, Caterpillar and most Japanese engines.

RECOMMENDATIONS & SPECIFICATIONS

- API CI-4
- ACEA E8/E11/E7-22
- Daimler Trucks DTFR 15C110 (ex MB 228.51)
- MAN M3477/M3271-1/M3271-3
- MTU Type 3.1
- Volvo VDS-3
- Renault Trucks RLD-2/RXD/RGD
- MAC EO-N
- Cummins CES 20076/77
- Deutz DQC IV-18LA/DQC TTCD
- JASO DH-2
- Caterpillar ECF 1a

PACK SIZES

20 Litres Pail, 208 Litres drum, 1000 litres IBC

TYPICAL PROPERTIES

SAE viscosity grade	**10W-40**
Density (20°C), g/cm^3	0.864
Flash point (COC), °C	238
Kinematic viscosity	
(40°C), mm^2/s	101.4
(100°C), mm^2/s	14.8
Viscosity at HTHS, mPas (cP)	4.2
Viscosity index	152
Pour point, °C	–39.0
TAN, mgKOH/100g	2.3
TBN, mgKOH/100g	8.1
Sulphated Ash, % w/w	1.5

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

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