

Eni i-Sigma top MS 10W-30



APPLICATIONS

Eni i-Sigma top MS 10W-30 is a synthetic technology oil for lubricating new generation diesel engines of vehicles equipped with exhaust gas post treatment systems operating under severe operating conditions with fuel saving features. This product allows the maximum oil change intervals foreseen by the manufacturers. It can also be used in diesel engines of stationary engines and in heavy duty gas engines.

CUSTOMER ADVANTAGES

- It is an engine oil that responds to the most severe performance levels required for heavy traction, the result of a combination of a special synthetic formulation and new "low SAPS" additive technology.
- To ensure the effectiveness and durability of post-treatment systems, the lubricant formulation must not contain products which may have a negative impact and therefore the content of certain components (Sulphated Ash, Phosphorus, Sulfur) must be controlled. From this point of view, it adopts an innovative formulation technology precisely in compliance with the chemical limits imposed by international specifications and manufacturers.
- 'Fuel efficiency' allows much greater fuel savings than conventional lubricants. Engine life and efficiency are ensured by the high wear protection (bore polishing), high detergency and low evaporation losses.
- It has demonstrated excellent anti-wear properties in the tests required by the manufacturers and by ACEA, in particular minimizing wear on the cylinders (bore polishing), elastic bands, valves, etc. All metallic surfaces are effectively protected against wear and corrosion by ensuring and maintaining the maximum engine efficiency over time, allowing extended change and maintenance intervals.

SPECIFICATIONS

- ACEA E7, E11
- ACEA E9
- API CK-4
- Caterpillar ECF-3



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- Cummins CES 20086
- Detroit Diesel 93K222
- Deutz DQC III-18 LA
- Ford WSS-M2C171-F1
- JASO DH-2
- MAN meets M 3575
- MAN M 3775
- MTU type 2.1
- DTFR 15C100
- MACK EO-S-4.5 (Approved)
- Renault VI RLD-3 (Approved)
- Volvo VDS-4.5 (Approved)

CHARACTERISTICS

| Properties | Method | Unit | Typical |
|--------------------|-------------|--------------------|---------|
| Density at 15°C | ASTM D 4052 | kg/m ³ | 870 |
| Viscosity at 100°C | ASTM D 445 | mm ² /s | 11.2 |
| Viscosity at 40°C | ASTM D 445 | mm ² /s | 75.2 |
| Viscosity Index | ASTM D 2270 | - | 139 |
| Viscosity at -25°C | ASTM D 5293 | mPa·s | 6200 |
| Flash point COC | ASTM D 92 | °C | 235 |
| Pour point | ASTM D 5950 | °C | -45 |
| B. N. | ASTM D 2896 | mg KOH/g | 9.1 |

