



APPLICATIONS

Eni i-Sigma MS Plus 15W-40 is a lubricant that integrates the innovation of the new formulation technologies with the knowledge acquired by Enilive in the lubricants field, through a long and consolidated experience. The product is expressly designed to meet the lubrication requirements of heavy-duty Diesel engines, fitted with exhaust gas post treatment devices. It is a lubricant formulated with “low SAPS” (Sulphated Ash, Phosphorus, Sulfur) additive technology able to ensure maximum engine reliability.

CUSTOMER ADVANTAGES

- **Eni i-Sigma MS Plus 15W-40** offers an appropriate protection against wear and corrosion by ensuring and maintaining the maximum engine efficiency over time, allowing extended oil change and maintenance intervals according to manufacturer's prescriptions.
- The components of the additive package of **Eni i-Sigma MS Plus 15W-40** have been selected for prevent the build-up of carbon deposits in the piston ring grooves, which can lead to ring sticking.
- **Eni i-Sigma MS Plus 15W-40** has viscosimetric properties that allow to obtain a suitable lubrication of all engine components and ensure the formation of a suitable oil film in all operating conditions.
- The detergent and dispersing qualities of **Eni i-Sigma MS Plus 15W-40** are the result of a careful selection of the components included in the formulation, which results in effective control on the formation of deposits such as sludge, lacquers and of carbonaceous type.
- The formulation of **Eni i-Sigma MS Plus 15W-40** is developed to obtain high efficiency and the maximum compatibility with the catalysts of the exhaust systems, with the aim of keep the engine performance unaltered.
- The product offers high protection in all operating conditions, another distinctive element, is ability to maintain its properties unaltered throughout the time of use; in particular, its resist the deterioration caused to oxidation phenomena.

SPECIFICATIONS

- ACEA E7, E11
- Allison TES 439





- API CK-4/SN
- Caterpillar ECF-3
- Cummins CES 20086
- Detroit Diesel 93K222
- Deutz DQC III-18 LA
- DTFR 15C100
- Ford WSS-M2C171-F1
- JASO DH-2
- MACK EO-S-4.5
- MAN meets M 3275
- MAN meets M 3575
- MAN M 3775
- Renault RVI RLD-3
- Volvo VDS-4.5

CHARACTERISTICS

Properties	Method	Unit	Typical
Density at 15°C	ASTM D 4052	kg/m ³	872
Viscosity at 100°C	ASTM D 445	mm ² /s	14.2
Viscosity at 40°C	ASTM D 445	mm ² /s	107
Viscosity Index	ASTM D 2270	-	135
Viscosity at -20°C	ASTM D 5293	mPa·s	4980
Pour point	ASTM D 6749	°C	-39
B. N.	ASTM D 2896	mg KOH/g	9.9

