



# eni i-Sigma top MS 15W-40

**eni i-Sigma top MS 15W-40** is a long-drain multigrade oil (S.H.P.D.) of the latest generation for of commercial vehicle diesel engines operating under severe duty, notably of recent technology ("EURO 3 ÷ 5") designed to operate on ultra low Sulphur Diesel fuel and equipped with after-treatment devices. It allows extended oil drain intervals according to engine manufacturers' specifications.

**eni i-Sigma top MS 15W-40** is particularly recommended for Volvo and Caterpillar engines.



## CHARACTERISTICS (TYPICAL FIGURES)

SAE Grade		15W-40
Density at 15 °C	kg/m <sup>3</sup>	890
Viscosity at 100 °C	mm <sup>2</sup> /s	14.6
Viscosity at 40 °C	mm <sup>2</sup> /s	109
Viscosity at -20 °C	mPa·s	6000
Viscosity Index	-	135
Flash Point COC	°C	230
Pour Point	°C	-36

## PROPERTIES AND PERFORMANCE

- **eni i-Sigma top MS 15W-40** has peculiar characteristics suitable to protect after-treatments devices from deterioration.
- The superior quality of the base stocks (sulphur free) and an innovative additives' system used in **eni i-Sigma top MS 15W-40** insure safer and longer drains intervals.
- Its detergent-dispersant properties keep the engine parts exceptionally clean while solid combustion products are held in suspension, thus preventing the formation of harmful deposits.
- **eni i-Sigma top MS 15W-40** exhibits marked resistance to deterioration, especially from oxidation which can be caused by prolonged high-temperature operation in the presence of air and other agents. Its antioxidant, anticorrosion and antiwear properties protect the engine ensuring maximum engine efficiency throughout its life.
- **eni i-Sigma top MS 15W-40** exhibits excellent viscosity stability in operation.



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## SPECIFICATIONS

**eni i-Sigma top MS 15W-40** is officially approved or meets the requirements of the following service specifications:

- API CJ-4/SM
- ACEA E9
- MB Approval 228.31
- MAN M3575
- MTU Type 2.1
- Volvo VDS-4
- Caterpillar ECF-3, ECF-2, ECF-1-a
- Mack EO-O Premium Plus
- Renault Trucks RLD-3
- Cummins CES 20081
- Detroit Diesel 93K218
- Deutz DQC III-10 LA