

Eni i-Sigma top MS 15W-40



APPLICATIONS

Eni i-Sigma top MS 15W-40 is a multigrade oil suitable for use in recent models of heavy duty diesel vehicles, designed to operate with ultra low sulphur diesel and equipped with after-treatment devices, also under severe operating conditions.

It allows extended oil drain intervals according to engine manufacturers' requirements.

CUSTOMER ADVANTAGES

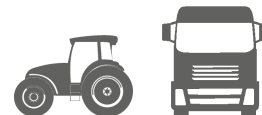
- **Eni i-Sigma top MS 15W-40** is formulated with low sulphur base oils and an innovative additive technology that ensures the achievement of oil change intervals prescribed by manufacturers with large safety margin.
- Its detergent and dispersant properties keep all parts of the engine clean and hold in suspension the combustion products preventing harmful deposits formation.
- Its excellent antioxidant, anticorrosion and antiwear properties protect the engine ensuring maximum efficiency during its life also in high operating temperature.

SPECIFICATIONS

- ACEA E7, E9
- API CK-4
- API CJ-4/SN
- Allison TES 439
- Caterpillar ECF-1a, ECF-2, ECF-3
- Cummins CES 20086
- Detroit Diesel 93K222
- Ford WSS-M2C171-F1
- JASO DH-2-17
- MAN M 3575
- Deutz DQC III-10 LA (Approved)
- MACK EO-S-4.5 (Approved)
- MAN M 3775 (Approved)



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- MB-Approval 228.31
- MTU type 2.1 (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 | 875 |
| Viscosity at 100°C | ASTM D 445 | mm ² /s | 14.8 |
| Viscosity at 40°C | ASTM D 445 | mm ² /s | 111 |
| Viscosity Index | ASTM D 2270 | - | 138 |
| Viscosity at -20°C | ASTM D 5293 | mPa·s | 5470 |
| Pour point | ASTM D 5950 | °C | -45 |
| Flash point COC | ASTM D 92 | °C | 234 |
| B. N. | ASTM D 2896 | mg KOH/g | 9.7 |



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