

# eni i-sigma performance E7 ID



**eni i-sigma performance E7 ID** is formulated from a premium performance additive package and selected base oil to give a long-drain service (SHPD oil) of the latest generation for supercharged diesel engines operating under severe duty, notably those of recent technology ("EURO 3÷4") according to engine manufacturer specifications. The oil can also be used in normally-aspirated diesel engines installed in vehicles engaged on urban and short-haul goods and passenger service, providing a very wide quality margin.

## CHARACTERISTICS (TYPICAL FIGURES)

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SAE Grade		15W-40
Appearance	-	B & C
Density at 15°C	kg/L	0.886
Viscosity at 100°C	cSt	15.2
Viscosity at 40°C	cSt	111.5
Viscosity at -20°C	cP	6300
Viscosity Index	-	143
Flash Point COC	°C	220
Pour Point	°C	-30
TBN	mg KOH/g	11

## PROPERTIES AND PERFORMANCE

- The superior quality of the base stock used and the large percentage of additives adopted permit very long life between oil drains. Some manufacturers allow to double of the normal-oil service periods when **eni i-sigma performance E7 ID** is used under certain service conditions in their engines.
- The superior soot dispersion capability protects against abrasive wear and sludge formation and reduces viscosity increase thus allowing lower fuel consumption through lower viscous drag.
- These results also into exceptional engine wear protection. Protects against loss of engine performance caused by excessive wear of crosshead or other engine parts. Extend time between rebuilds, increase resale value.
- Proven bore polish wear protection through OEMs and ACEA tests; outstanding engine ring and liner, valve train and bearing wear resistance. This minimizes down time, reduces operation and maintenance costs and allows better performance through engine life.
- The product 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.

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## SPECIFICATIONS

**eni i-sigma performance E7 ID** meets the requirements of the following services and specifications:

- API CI-4/CF/SL
- ACEA E7-08 Issue 2
- MAN 3275 level
- GLOBAL DHD-1
- JASO DH-1
- Caterpillar ECF-2, ECF-1a
- MB 228.3 level
- VOLVO VDS-3 level
- MTU TYPE 2 level
- Renault RLD-2
- CUMMINS CES 20076/77/78 level
- Mack EO-M+
- Deutz DQC III
- Allison C4 level