



# eni i-SIGMA PERFORMANCE SYNT IN

eni i-SIGMA PERFORMANCE SYNT IN is a top of the line Engine oil developed from premium Base oils and high performance additives. It's a long drain multi-grade oil (S.H.P.D.) of the latest generation for supercharged or turbocharged diesel engines operating under severe duty, notably those of recent technology ("EURO 3 - 4") according to engine manufacturer specifications. The product is specially suited for use in latest generation engines fitted with EGR (Exhaust Gas Recirculation) systems. 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)

### i-SIGMA PERFORMANCE SYNT IN

SAE Grade		15W-40
Viscosity at 100°C	mm <sup>2</sup> /s	14.0
Viscosity at -20°C	mPa.s	3577
Viscosity Index	-	148
Flash Point COC	°C	236
Pour Point	°C	-24

## PROPERTIES AND PERFORMANCE

- The premium base stock used and the large percentage of high quality additives adopted permit very long life between oil drains.
- The multi-grade properties of this oil make it suitable for use in virtually all ambient temperature conditions.
- The product has exceptionally high soot dispersancy capability to keep the fuel soot in suspension, thus avoiding filter plugging, heavy cylinder head sludge, abrasive polishing wear and oil thickening.
- 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.
- Its antioxidant, antirust and anti-wear properties are designed for heavy-duty service and to ensure very long oil-drain intervals. Oxidation is effectively minimized, thus preventing viscosity variations. All the metal parts of the engine are protected in this way and wear is reduced, ensuring maximum engine efficiency throughout its life.
- Excellent deposit control on valves and piston crown-land, thus reducing oil consumption. Outstanding valve train wear protection maintains fuel economy.



**SPECIFICATIONS**

i-SIGMA PERFORMANCE SYNTH meets the requirements of the following services and specifications:

- ACEA E7, E5, E3, A3 / B3
- API Service CI-4 PLUS / CI-4 / CH-4 / CG-4 / SL
- MACK EO-M Plus
- Mercedes Benz 228.3
- MAN 3275
- VOLVO VDS-3
- MTU type 2
- CAT ECF - 1a, ECF-2
- CUMMINS CES 20076 / 77 / 78
- RVI RLD / RLD -2