



## APPLICATIONS

**Eni i-Sigma ECO PLUS 5W-20** is a synthetic technology engine oil that collects the experience and knowledge acquired, in many decades, in the lubricants sector from Enilive. The product is expressly designed to meet the lubrication requirements of latest generation 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. The product to help improve fuel economy and consequently reduce CO2 emissions.

## CUSTOMER ADVANTAGES

- The emissions reduction needs coming from new emissions regulations are driving change to engine and aftertreatment system hardware. **Eni i-Sigma ECO PLUS 5W-20** is a higher performance lubricant, which is enabling the latest generations of engine and aftertreatment system hardware.
- **Eni i-Sigma ECO PLUS 5W-20** is developed to meet the performance demands of new specifications, its additive technology and formulation are tailored to deliver the robust performance that is expected.
- **Eni i-Sigma ECO PLUS 5W-20** is a modern lubricant that provides numerous operational benefits in their end-use applications, from higher levels of efficiency to long-lasting protection. To achieve these performance levels, the product uses a dedicate high-performance additives and high-quality base stocks.
- **Eni i-Sigma ECO PLUS 5W-20** 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.
- **Eni i-Sigma ECO PLUS 5W-20** has viscosimetric properties that allow adequate lubrication of all engine components and ensure the formation of a suitable oil film in all operating conditions.

## SPECIFICATIONS

- MAN M 3977
- Scania LDF-5 (Feedback)



# Eni i-Sigma ECO PLUS 5W-20



## CHARACTERISTICS

| Properties         | Method      | Unit               | Typical |
|--------------------|-------------|--------------------|---------|
| Density at 15°C    | ASTM D 4052 | kg/m <sup>3</sup>  | 852     |
| Viscosity at 100°C | ASTM D 445  | mm <sup>2</sup> /s | 8.0     |
| Viscosity at 40°C  | ASTM D 445  | mm <sup>2</sup> /s | 46      |
| Viscosity Index    | ASTM D 2270 | -                  | 147     |
| Viscosity at -30°C | ASTM D 5293 | mPa·s              | 4600    |
| Pour point         | ASTM D 5950 | °C                 | -48     |
| Flash point COC    | ASTM D 92   | °C                 | 222     |
| B. N.              | ASTM D 2896 | mg KOH/g           | 10.2    |

