



## eni i-Sigma monograde

**eni i-Sigma mono** is a lubricant series for high output normally-aspirated and supercharged diesel engines operating under very severe duty or which are subject to deposit formation or excessive wear due to design characteristics or to the fuel employed.

It is formulated from a top quality base stock of high Viscosity Index and low pour point treated with a large percentage of additives to impart superior detergency together with high dispersant, antioxidant, anticorrosion, antiwear and antifoam properties.

The SAE 10W-20 grade is also suitable for use in the hydraulic systems of tractors, loaders, bulldozers, etc., requiring this type of oil.

### CHARACTERISTICS (TYPICAL FIGURES)

| SAE Grade          |                    | 10W-20 | 30   | 40   | 50   |
|--------------------|--------------------|--------|------|------|------|
| Density at 15°C    | kg/m <sup>3</sup>  | 880    | 890  | 895  | 900  |
| Viscosity at 40°C  | mm <sup>2</sup> /s | 44     | 110  | 165  | 265  |
| Viscosity at 100°C | mm <sup>2</sup> /s | 6.6    | 11.8 | 15.7 | 21.2 |
| Viscosity at -25°C | mPa.s              | 6700   | -    | -    | -    |
| Viscosity Index    | -                  | 110    | 105  | 105  | 105  |
| Flash Point COC    | °C                 | 225    | 230  | 235  | 245  |
| Pour Point         | °C                 | -30    | -21  | -18  | -15  |

### PROPERTIES AND PERFORMANCE

- **eni i-Sigma mono** series has excellent detergency, making it particularly suitable for use in supercharged engines. It also has high dispersant properties. The lubricant is thus very resistant to the formation of lacquer and varnish, as well as sludge and other engine deposits. It helps prevent ring sticking and keeps pistons clean, while maintaining potential deposits in suspension.
- It has marked resistance to deterioration, especially that caused by oxidation due to prolonged high-temperature operation in the presence of air and other agents.
- It has particularly good anticorrosion properties which effectively protect the engine from corrosion by combustion moisture and acids.
- Its antiwear properties ensure long life of moving parts and greatly reduce the need for engine servicing and overhauls.

### SPECIFICATIONS

**eni i-Sigma mono** meets the requirements of the following specifications:

- API Service CF/SJ
- US Department of the Army MIL-L-2104D
- US Department of the Army MIL-L-46152C