



# eni Cladium 120

**eni CLADIUM 120** is an API CF (Series III) lubricant specifically formulated for naturally-aspirated or even highly supercharged marine, industrial and locomotive diesel engines. Its additive package is suitably balanced in order to permit the use of either gasoil or marine diesel fuels, while ensuring top performance in engines with very high mean effective pressures.

## CHARACTERISTICS (TYPICAL FIGURES)

| SAE Grade          |                    | 30  | 40   |
|--------------------|--------------------|-----|------|
| Density at 15°C    | kg/m <sup>3</sup>  | 895 | 900  |
| Viscosity at 100°C | mm <sup>2</sup> /s | 12  | 15.7 |
| Viscosity at 40°C  | mm <sup>2</sup> /s | 108 | 160  |
| Viscosity Index    | -                  | 100 | 100  |
| Flash Point COC    | °C                 | 225 | 235  |
| Pour Point         | °C                 | -21 | -18  |
| TBN                | mg KOH/g           | 12  | 12   |

## PROPERTIES AND PERFORMANCE

- **eni CLADIUM 120** has excellent detergent properties which effectively prevent formation of lacquer and carbon deposits on piston lands and grooves, thus keeping the rings free even in the most highly-rated engines.
- Its balanced dispersant properties prevent sludge deposition in the engine and assist in its elimination by centrifuging.
- Its anticorrosion properties provide efficient, long-term protection of liners.
- Its TBN retention properties remain high even after extended use, thus ensuring effective neutralization of acidic products.
- Its very good antiwear properties ensure the life of all sliding parts.
- Its antifoam properties prevent breakdown of the oil film, thus ensuring superior hydrodynamic lubrication of moving parts.
- Despite its high detergent-dispersant efficiency, the demulsibility characteristics allow rapid separation of water accidentally entering the engine.

## SPECIFICATIONS

**eni CLADIUM 120** has been officially approved or accepted by the following engine manufacturers or organizations:

- API CF
- BAUDOIN
- DEUTZ – MWM
- HYUNDAI
- ROLLS ROYCE - BERGEN
- S.E.M.T. - PIELSTICK
- VM