

# eni ROTRA HY DB



**eni ROTRA HY DB** is an **EP** (Extreme Pressure) gear oil formulated for lubricating hypoid type gears operating under normal conditions for which an EP oil is required. It is also suitable for use in gear-boxes, final drives and power take-offs on farm and earth-moving machinery.

## CHARACTERISTICS (TYPICAL FIGURES)

### eni ROTRA HY DB

SAE Grade		80W
Viscosity at 100°C	mm <sup>2</sup> /s	11,6
Viscosity at 40°C	mm <sup>2</sup> /s	102
Viscosity at -26°C	mPa.s	120000
Viscosity Index	-	100
Flash Point COC	°C	210
Pour Point	°C	-30
Mass density at 15°C	kg/l	0,900

## PROPERTIES AND PERFORMANCE

- **eni GIP ROTRA HY DB** contains special **EP** additives which ensure that a strong oil film is formed and maintained even under high load conditions such as occur with hypoid gears used in many automotive axles.
- Its outstanding antiwear properties, combined with its oiliness, markedly reduce wear on gear teeth and bearings.
- Its particularly good oxidation stability prevents deterioration even when in contact with components operating at high temperatures. Thus any tendency for viscosity to increase or for sludge to form is inhibited.
- It is noncorrosive to steel while ensuring efficient operation of all lubricated parts. Its antirust properties effectively protect gears and bearings against rust and corrosion even when moisture is present.
- Its antifoam qualities prevent excessive formation of air bubbles which could adversely affect lubricant film continuity.

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## SPECIFICATIONS

**eni ROTRA HY DB** is officially approved by or meets the requirements of the following service and specifications:

API GL-4  
MB 235.1  
US Department of the Army MIL-L-2105  
ZF TE-ML 2A, 17A  
LIEBHERR