



# eni Rotra HY ID

PRODUCT DATA SHEET

**eni Rotra HY ID** 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)

<b>eni Rotra HY ID</b>		<b>80W-90</b>	<b>85W-140</b>
<b>SAE Grade</b>		<b>80W-90</b>	<b>85W-140</b>
Appearance	-	B & C	B & C
Density at 15°C	kg/L	0.886	0.905
Viscosity at 100°C	cSt	14.2	28.4
Viscosity at 40°C	cSt	132.0	397.0
Viscosity at -12°C	cP	-	77680
Viscosity at -26°C	cP	118000	-
Viscosity Index	-	106	98
Flash Point COC	°C	228	228
Pour Point	°C	-27	-18

## PROPERTIES AND PERFORMANCE

- **eni Rotra HY ID** 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 (especially for synchromesh).
- 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

## SPECIFICATIONS

**eni Rotra HY ID** meets the requirements of the following service and specifications :

- API GL-4
- MIL-L-2105 level
- MB 235.1
- MAN 341 TYP E1, Z1



- ZF TE-ML 02A, 16A, 17A, 19A
- VW TL 726 LEVEL
- LIEBHERR