



# AGIP ROTRA HY

AGIP ROTRA HY 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)

SAE Grade		80W-90	85W-140
Appearance	-	B & C	B & C
Density at 15°C	kg/L	0.895	0.905
Viscosity at 100°C	cSt	14.5	29.0
Viscosity at 40°C	cSt	130	410
Viscosity at -12°C	cP	-	120000
Viscosity at -26°C	cP	120000	-
Viscosity Index	-	105	98
Flash Point COC	°C	210	220
Pour Point	°C	-27	-12

## PROPERTIES AND PERFORMANCE

- AGIP ROTRA HY 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

AGIP ROTRA HY meets the requirements of the following service and specifications :

- API GL-4
- MIL-L-2105 LEVEL
- MB 235.1
- MAN 341 TYP E1, Z1 (SAE 80W-90)
- ZF TE-ML 02A, 16A, 17A
- ZF TE-ML 19A (SAE 80W-90)
- VW TL 726 LEVEL
- LIEBHERR