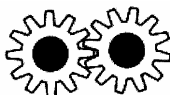




# GEARELF 5 80W90



*Extreme-pressure sulfophosphorated oils for gearboxes and axles*

## APPLICATIONS

### Mechanical gearboxes and axles of cars and trucks

- These lubricants are parts of a modern range of products that are particularly suited to the most rigorous service conditions found in automotive mechanical transmission (light and heavy duty vehicles), agricultural machinery, civil engineering and handling equipment.
  - Mechanical gearboxes
  - Hypoid gear axles

## PERFORMANCES

### International Specification

- API GL-5
- US Military MIL-L-2105D

## CUSTOMER BENEFITS

### Technical profile

- Superior extreme-pressure, anti-wear and anti-scuffing properties that maintain a high level of efficiency in gears operating under heavy loads and subjected to repeated shocks.
- High resistance to deterioration, guaranteeing stable performances even in high working temperature.
- Anti-rust and anti-corrosion powers to protect steel and copper when in contact with water.
- Smooth shifting in manual transmissions by controlling glazing and coking of friction surfaces in synchronizing mechanisms.
- Neutral with regard to seals, even at high temperatures.
- Anti-foaming qualities.

## CHARACTERISTICS

Elf Gearelf 5	Method	Units	SAE 80W90
Volumetric mass at 15°C	ASTM D1298	kg/m <sup>3</sup>	897
Viscosity at 40°C	ASTM D445	mm <sup>2</sup> /s	140
Viscosity at 100°C	ASTM D445	mm <sup>2</sup> /s	14.50
Viscosity Index	ASTM D2270	-	105
Pour Point	ASTM D97	°C	-27
Flash Point	ASTM D92	°C	208

The typical characteristics mentioned represent mean values

**Elf Gearelf 5 80W90**  
**Version Sept, 2005**

This lubricant used in accordance with our recommendations and for the application for which it is intended does not represent a special hazard.  
A safety data file conforming to the requirements of current E.U. legislation is available from your local trade consultant.