



A brand of **TOTAL**

## TRANSELF EP 80W-90



**Extreme-pressure lubricants for gearboxes.**

### APPLICATIONS

- Adapted to mechanical transmissions in cars and trucks, agricultural machinery, and construction and handling equipment:
  - Mechanical gearboxes
  - Axles in intermediate duty
  - Power-assisted steering systems

### APPROVALS

|                         |  |
|-------------------------|--|
| Specifications          | API GL-4                                       |
| Manufacturers' approval | MAN 341 type E-1& Z2<br>ZF TE-ML 16A, 17A, 19A |

### PERFORMANCES AND CUSTOMER BENEFITS

#### Performance at competitive cost

- Extreme-pressure and anti-wear properties for long gear life.
- Anti-rust properties for steel and copper, even in the presence of water.
- Very good viscosity index and low pour point, guaranteeing effective lubrication at all temperatures.
- Good thermal stability.
- Inert to seals.
- Anti-foaming capability

### PHYSICAL AND CHEMICAL CHARACTERISTICS

| TRANSELF EP 80W-90           |                    | Method     | Value |
|------------------------------|--------------------|------------|-------|
| Density at 15°C              | --                 | ASTM D1298 | 894   |
| Kinematic Viscosity at 40°C  | mm <sup>2</sup> /s | ASTM D445  | 150   |
| Kinematic Viscosity at 100°C | mm <sup>2</sup> /s | ASTM D445  | 17.5  |
| Viscosity Index              | -                  | ASTM D2270 | 96    |
| Pour Point                   | °C                 | ASTM D97   | -24   |

*The features mentioned above are average values obtained with some variability in production and do not constitute a specification.*