

# EXCELLIUM 10W-50



Very high performance lubricant using Elf synthetic technology, intended for lubricating all gasoline and diesel car engines.

## APPLICATIONS

All gasoline and diesel engines, particularly those of recent technology

The most severe journeys

- Recommended for all gasoline engines (multivalve, turbocharged, with or without catalytic converter) and all diesel engines, supercharged or not, in cars and light vans
- For all types of driving, particularly "vigorous" styles and high speeds

## SPECIFICATIONS

Specifications

|      |         |
|------|---------|
| ACEA | A3 / B3 |
| API  | SL / CF |

## CLIENT ADVANTAGES

Excellent engine cleanliness and protection

Extended engine life

Facilitates cold starts

- Gives excellent engine protection, particularly against wear in the timing system
- Outstanding thermal stability and oxidation resistance preventing any degradation even in very severe use
- Lubricates engine parts immediately during cold starts, resulting in extended engine life

## CHARACTERISTICS

| ELF EXCELLIUM 10W-50         | Units              | Grade 10W-50 |
|------------------------------|--------------------|--------------|
| SG at 15°C                   | kg/m <sup>3</sup>  | 854          |
| Kinematic viscosity at 40°C  | mm <sup>2</sup> /s | 119,7        |
| Kinematic viscosity at 100°C | mm <sup>2</sup> /s | 17,9         |
| Viscosity index              | -                  | 166          |
| Pour Point                   | °C                 | - 30         |
| Flash Point                  | °C                 | 228          |
| TBN (base oil index)         | mgKOH/g            | 10,4         |

Typical values given as an illustration

TOTAL LUBRIFIANTS  
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92800 PUTEAUX  
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Elf Excellium 10W-50  
Version 1 Ang - 16/03/2004



Ce lubrifiant utilisé selon nos recommandations et pour l'application pour laquelle il est prévu ne présente pas de risque particulier. Une fiche de données de sécurité conforme à la législation en vigueur dans la C.E. est disponible auprès de votre conseiller commercial.