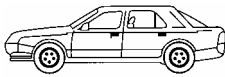




EXCELLIUM 10W-50



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

- Recommended for all Gasoline engines (multivalve, turbocharged, with or without catalytic converter) and all Diesel engines, supercharged or not, in cars and light vans.

The most severe journeys

- For all types of driving, particularly "vigorous" styles and high speeds.

Refer to the maintenance book of your vehicle to know the recommendation of the manufacturer.

PERFORMANCES

International specifications

ACEA 2004: A3/B3

OEMs approvals

API: SL/CF

CUSTOMER BENEFITS

Excellent engine cleanliness and protection

- Gives excellent engine protection, particularly against wear in the timing system.

Extended engine life

- Outstanding thermal stability and oxidation resistance preventing any degradation even in very severe use.

Facilitates cold starts

- Lubricates engine parts immediately during cold starts, resulting in extended engine life.

CHARACTERISTICS

ELF EXCELLIUM 10W-50	Method	Units	SAE Grade 10W-50
Density at 15°C	ASTM D1298	kg/m ³	854
Viscosity at 40°C	ASTM D445	mm ² /s	119,7
Viscosity at 100°C	ASTM 445	mm ² /s	17,9
Viscosity Index	ASTM D2270	-	166
Pour Point	ASTM D97	°C	-30
Flash Point	ASTM D92	°C	228
B.N.	ASTM D4739	mgKOH/g	10,4

The typical characteristics mentioned represent mean values

TOTAL LUBRIFIANTS
16, rue de la République
92800 PUTEAUX
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Elf Excellium 10W-50
Version March 2004
MGP/03/04



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 EC legislation is available from your local trade consultant.