



# EXCELLIUM SM 5W40

**Premium Fully Synthetic multigrade oil for passenger car engine**

## APPLICATIONS

**Gasoline / diesel engine cars**

- A premium fully synthetic engine oil with special protective additives for ultimate level of engine protection that exceeds USA and European industry standards.
- Recommended for all petrol engines (multi-valve and turbo types, with or without catalytic converter) and all diesel engines, turbo-charged or naturally aspirated in cars and light vans.

**Arduous service conditions**

- Designed to provide protection under severe driving style or conditions.
- Stability and endurance under extreme conditions (heat, load, speed) that can cause conventional oils to break down.

## PERFORMANCES

**International specifications**

- API SM/CF (API Service Symbol)

**Recommended for use**

- Ford, GM, PSA, BMW, VW, Audi and Mercedes-Benz

## CUSTOMER BENEFITS

**Optimised performance**

- Ensures excellent engine cleanliness and wear protection for vehicles in city and suburban driving conditions.

**Lengthens engine life**

- Excellent thermal and oxidation stability.
- An unique combination of advanced synthetic and meticulously selected additives provide freedom of ring sticking, reduction in deposits leading to a reduced engine wear and to a longer engine and component life.

**Low temperature flow properties**  
**Compatibility with a wide range of seal materials**

- Thanks to its fully synthetic formulation, has an exceptional viscosity index.
- Circulates rapidly within the engine to minimize cold start up wear. Improves low temperature engine efficiency over conventional mineral oil.
- Ensures the important engine seals stay soft and pliable to minimize oil leakage.

## CHARACTERISTICS

Elf Excellium SM	Method	Units	SAE 5W40
Volumetric mass at 15°C	ASTM D1298	kg/m <sup>3</sup>	853
Viscosity at 40°C	ASTM D445	mm <sup>2</sup> /s	87.28
Viscosity at 100°C	ASTM D445	mm <sup>2</sup> /s	14.22
Viscosity Index	ASTM D2270	-	169
Pour Point	ASTM D97	°C	-39
Flash Point	ASTM D92	°C	230

The typical characteristics mentioned represent mean values

**Elf Excellium SM 5W40**  
**Version April, 2006**

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.