



EXCELLIUM 229.5 5W-30



ELF synthetics technology lubricant with optimised performance intended for lubricating all Gasoline and Diesel engines in cars, particularly those employing recent technologies.

APPLICATIONS

Gasoline and Diesel engines employing recent technologies

- Recommended for all Gasoline and Diesel engines in cars, particularly those using recent technologies (multi-valve engines, turbocompressors, high cylinder capacity) and particularly the new direct injection Diesel engines with or without Common Rail.

Direct injection Diesel

Extended oil-change intervals

- Specially designed to meet the requirements of the motor manufacturers as regards oil change intervals.

The most severe conditions

- For all types of journey (urban, highways, motorways) even in the most extreme conditions.

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

PERFORMANCES

International specifications

ACEA 2004: A3/B4
API: SJ/CF

OEMs approvals

MERCEDES-BENZ: MB page 229.5

CUSTOMER BENEFITS

Outstanding lifetime

- Thanks to an outstanding resistance to oxidation, ELF Excellium 229.5 5W-30 maintains its very high performance level over maximum oil change.

Excellent engine cleanliness and protection in extreme climatic conditions

- Ensures maximum engine cleanliness.
- Outstanding engine protection, particularly against wear in the timing system.

Extends engine life

- Immediate lubrication of engine components during starting, resulting in longer engine life.

Extended oil change intervals

- Meets the manufacturers' requirements as regards extended oil change intervals.

CHARACTERISTICS

ELF EXCELLIUM 229.5 5W-30	Method	Units	SAE Grade 5W-30
Density at 15°C	ASTM D1298	kg/m ³	860
Viscosity at 40°C	ASTM D445	mm ² /s	72
Viscosity at 100°C	ASTM 445	mm ² /s	11,9
Viscosity Index	ASTM D2270	-	160
Pour Point	ASTM D97	°C	-39
Flash Point	ASTM D92	°C	210
B.N.	ASTM D2896	mgKOH/g	9,6

The typical characteristics mentioned represent mean values

TOTAL LUBRIFIANTS
16, rue de la République
92800 PUTEAUX
1/1

Elf Excellium 229.5 5W-30
Version March 2005
MGP/03/05



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.