



# ELITE MULTIVALVULAS 10W40

AUTOMOTIVE

LUBRICANTS

## ■ Description

Synthetic-based lubricant oil developed for use in modern petrol or diesel car engines. Its synthetic components provide it with high chemical stability and together with its extraordinary performance allow for longer oil change intervals. Due to its low viscosity, ELITE MULTIVÁLVULAS 10W40 facilitates cold start-up, cares for hydraulic tappets and subsequently maintains perfect lubrication at any temperature. Its thermal stability also means that it takes longer to deteriorate than a conventional oil under normal conditions of use.

## ■ Properties

- Engine tests obtained in the approval tests of the different manufacturers ensure engine cleanliness and resistance to oil oxidation, enabling maximum engine performance throughout the period of lubricant use.
- Its low viscosity in cold facilitates start-up and the smooth operation of the hydraulic tappet systems.
- Optimum fuel consumption due to its viscometric characteristics, and specific additivation to reduce friction.
- Minimum lubricant consumption, lower than other products of a similar viscosity, as its composition includes low volatility synthetic base oils.

## ■ Quality level

- VW 502.00/505.00
- API SL/CF
- RN0700
- ACEA A3/B4
- MB 229.1

## ■ Technical Characteristics

	UNIT	METHOD	VALUE
SAE GRADE			10W40
Density at 15°C	g/ml	ASTM D 4052	0,872
Viscosity at 100°C	cSt	ASTM D 445	14,3
Viscosity at 40°C	cSt	ASTM D 445	97
Viscosity at -25°C	cP	ASTM D 5293	7000 max
Viscosity rate	-	ASTM D 2270	150 minimum
Flash point, open cup	°C	ASTM D 92	200 minimum
Pour point	°C	ASTM D 97	-30
T.B.N.	mg KOH/g	ASTM D 2896	9,2
Sulphated ashes	% in weight	ASTM D 874	1,2
Bosch Injector Shearing: Viscosity at 100°C after shearing	cSt	CEC-L-14-93	12.5 minimum
Noack volatility, 1hr at 250°C	% in weight	CEC-L-40-93	13 maximum

## ■ Hazard identification

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This product is not classified as toxic or hazardous under current legislation.

## ■ Handling

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Minimum precautions should be taken to avoid prolonged contact with the skin. The use of gloves, visors or glasses is recommended to avoid splashing.

## ■ Health and safety hazards

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**Inhalation:** As this product has low volatility, the risk of inhalation is minimal.

**Ingestion:** Do not induce vomiting. Provide water. Request medical help.

**Contact with the skin:** Wash with plenty of water and soap.

**Eyes:** Wash with plenty of water.

**General measures:** Request medical help.

## ■ Firefighting measures

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No special measures required.

**Fire control:** Foams, dry chemicals, CO<sub>2</sub>, water spray. Do not apply the jet of water directly as this may cause the product to disperse.

## ■ Environmental precautions

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Danger of physical pollution if spilt (watercourses, coastlines, soils, etc.) due to its buoyancy and oily consistency, which may harm flora and fauna on contact. Prevent material from getting into water outlets.

**Decontamination and cleaning:** Treat as an accidental oil spillage. Avoid dispersion with mechanical safeguards and remove with physical or chemical means.

A safety data file is available on request.

[repsol.com](http://repsol.com)

Unless otherwise indicated, the figures cited in the technical characteristics should be considered typical