



INJECTION 10W40

ELITE

Description

Lubricant oil combining synthetic constituents with high-level minerals and fortified with special additives to offer a product designed specifically for use in modern petrol and diesel engines. Its synthetic constituents provide a high level of chemical stability and a thermic oxidation which, together with its extraordinary performance record, prolongs the time between oil changes.

Properties

- Multi-grade, synthetic based oil, shear resistant.
- Its low viscosity in cold conditions facilitates both starting and lubrication at any temperature.
- Viscosimetric characteristics that reduce friction, plus low volatility, allowing for reduced fuel consumption.
- Thermic stability. Resists deterioration longer than conventional lubricants.
- Its constituents facilitate rapid deaeration, minimizing foam formation at times of high engine rotations.
- Its start fluidity contributes to the correct functioning of hydraulic valve tappet systems.
- Good detergent-dispersal power that assures the complete cleaning of engine parts.

Quality levels

- API SL/CF
- ACEA A3/B3
- VW 505.00/501.01
- MB 229.1

Technical specifications

	UNIT	METHOD	VALUE
SAE grade			10W40
Density at 15°C	g/mL	ASTM D 4052	0.8744
Viscosity at 100°C	cSt	ASTM D 445	14.6
Viscosity at 40°C	cSt	ASTM D 445	96.0
Viscosity at -30°C	cP	ASTM D 5293	7000 max
Viscosity index	-	ASTM D 2270	140 min
Flash point, open cup	°C	ASTM D 92	215 min
Pour point	°C	ASTM D 97	-27
TBN	mg KOH/g	ASTM D 2896	8.6
Shear Stability Bosch Injector: Viscosity after shear test, 100°C	cSt	ASTM D 3945	12.5 min
Noack Volatility, 1 hour at 250°C	% weight	DIN 51581	13 max

■ Hazard identification

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

■ Handling

Certain minimum precautions to avoid prolonged contact with the skin should be taken when handling. The use of gloves, visors or masks is recommended in order to avoid splashes.

■ Health and Safety Hazards

Inhalation: Low-volatility product, therefore the risk from inhalation is minimal.

Ingestion: Do not provoke vomiting. Drink water. Seek medical assistance.

Contact with skin: Wash with abundant water and soap.

Eyes: Wash with abundant water.

General measures: Seek medical assistance.

■ Fire-fighting measures

No special measures are required.

Fire control: Foams, dry chemicals, CO₂, water spray. Do not apply water jet directly as this may cause the product to spread.

■ Environmental precautions

Danger of physical contamination in case of spillage (watercourses, coastal areas, the ground, etc.) due to its floating capacity and oily consistency, which may cause damage to fauna and flora with which it comes into contact. Avoid its penetration into water containers or outlets.

Decontamination and cleaning: Treat as an accidental oil spillage. Avoid spreading by using mechanical barriers and eliminate using both physical and chemical means.

A safety data file is available on request.

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Unless otherwise specified, the values cited in the technical specifications should be considered typical.