



ELITE 50501 TDI 5W40

AUTOMOTIVE

Description

Synthetic lubricant oil suitable for any high performance engine. Its formulation makes it irreplaceable to lubricate Seat-Audi-VW-Skoda group TDI engines using unit injection pumps. Its characteristics make it compatible with other fuels such as LPG (Liquefied Petroleum Gas) and CNG (Compressed Natural Gas), common in public transport vehicles. Its reduced ash content, compatibility with exhaust fume treatment systems and particular viscosity contribute to minimising wear on critical engine parts, and also to reducing harmful environmental emissions.

Properties

- Specially designed to protect the valve train and the mechanical unit injector system, particularly those of the SEAT-AUDI-VW-SKODA group.
- Its low ash content means it can be used in diesel engines that require an ACEA C3 quality level and which include particle filters to minimise pollutant emissions.
- Tested with the demanding wear tests of the VW 505.01 standard. The excellent technical performance ensures longer engine life.
- Developed with high performance additives for greater stability of viscosity and high fluidity at low temperatures, even after oxidation tests, thereby reducing oil consumption

Quality level

- VW 502.00/505.00/505.01
- ACEA A3/B3-04, A3/B4-04, C3

Technical Characteristics

	UNIT	METHOD	VALUE
SAE GRADE			5W40
Density at 15°C	g/ml	ASTM D 4052	0,850
Viscosity at 100°C	cSt	ASTM D 445	14,4
Viscosity at 40°C	cSt	ASTM D 445	86
Viscosity at -30°C	cP	ASTM D 5293	6600 max
Viscosity rate	-	ASTM D 2270	172
Flash point, open cup	°C	ASTM D 92	215 minimum
Pour point	°C	ASTM D 97	-39
TBN	mg KOH/g	ASTM D 2896	7,4
Bosch Injector Shearing: Viscosity at 100°C after shearing	cSt	CEC-L-14-93	12,5
Noack volatility, 1hr at 250°C	% in weight	CEC-L-40-93	12% maximum
HTHS, viscosity at 150°C	cP	CEC-L-36-90	>3.5

■ Hazard identification

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

■ Handling

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

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

No special measures required.

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

■ Environmental precautions

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.

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

Technical data sheet for Lubricants. Review 7 February 2011