



# AUTO GAS 15W40

OTHER OILS

## Description

Mineral lubricant oil recommended for use in non-stationary engines that run on both compressed natural gas (CNG) and on propane and butane (LPG). Ash content suitable for use in these types of engine. For application in gas driven public transport vehicle fleets (taxis and buses).

## Properties

- Its detergent/ dispersant power keeps the engine clean.
- Good resistance to oxidation and nitration.
- Long life.
- Facilitates cold start.
- Maintains the proper pressure at all temperatures and in all working conditions.
- Excellent protection at high temperatures.
- Keeps spark plugs clean and prevents pre-ignition.
- Helps to protect the environment by preventing the emission of contaminants.

## Quality level

- API CF-4/SF
- MB-Approval 226.9
- MAN 3271-1
- VOLVO CNG
- RENAULT RGD

## Technical characteristics

	UNIT	METHOD	VALUE
SAE Grade			15W40
Density at 15°C	g/ml	ASTM D 4052	0.885
Viscosity at 100°C	cSt	ASTM D 445	14.5
Viscosity at 40°C	cSt	ASTM D 445	112.0
Viscosity at -20°C	cP	ASTM D 5293	7000 max
Viscosity index	-	ASTM D 2270	125 minimum
Flash point, open cup	°C	ASTM D 92	215 minimum
Pour point	°C	ASTM D 97	-27
T.B.N.	mg KOH/g	ASTM D 2896	7
Sulphated ashes	% in weight	ASTM D 874	0.9
Bosch Injector Shearing: Viscosity at 100°C after shear	cSt	ASTM D 3945	12.5 minimum
Noack volatility, 1hr at 250°C	% in weight	DIN 51581	Maximum 13

## Available in

Bulk and 185 kg drums.

## ■ 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 splashes.

## ■ Health and Safety Hazards

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**Inhalation:** Given that it is not a particularly volatile product, the risk of inhalation is minimal.

**Ingestion:** Do not induce vomiting. Provide water. Seek medical advice.

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

**Eyes:** Wash thoroughly with water.

**General measures:** Seek medical advice.

## ■ Fire-fighting measures

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No special measures required.

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

## ■ Environmental precautions

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Danger of physical pollution if spilt (water, coastlines, soil, etc.) due to its floatability and oily consistency that may harm flora and fauna on contact. Avoid material getting into water outlets.

**Decontamination and cleaning:** Treat like an accidental oil spill. Prevent dispersion using mechanical barriers and remove by physical or chemical means.

A safety information file is available on request.

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

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Technical data sheet for Lubricants. Review 5. July 2010.