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Bio-diesel

Renault Trucks commits to the future with biodiesel.



Bio-diesel - what is it?

Biodiesel is a fuel oil, made from vegetable oil and transformed by a chemical process called transesterification.

In Europe, it is actually produced from rapeseed or sunflower oil, whereas in the United States it is made from soybeans or from canola, a type of rapeseed.

The oil reacts with alcohol, in general with methanol, to reduce the stickiness and the impurities. This essential chemical transformation gives us a stable, homogeneous product of consistent quality: VME (Vegetable Oil Methyl Ester), the properties of which are related to that of diesel oils.

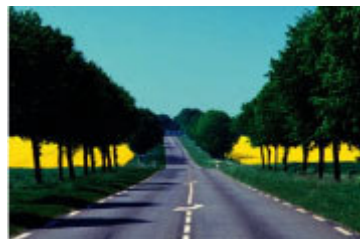


Guaranteed compatibility with the whole Renault Trucks range

The technological expertise of Renault Trucks and the experience acquired during numerous testing campaigns has allowed us to come up with a solution that responds to the concerns of hauliers: the 2-year Renault Trucks manufacturer guarantee covers the use of Vegetable Oil Methyl Ester (VME) mixed with diesel oil up to a level of 30% for all Euro3, Euro4 and Euro5 engines (Phase 1). However, in order to keep to the contract terms of the guarantee :

- ▼ The oil change intervals have to be divided by 2 compared to the recommendations for classic diesel use.
- ▼ The VME used must conform to the European Standard EN 14214./LI>

Renault Trucks recommends that any maintenance work is carried out in Renault Trucks authorised workshops in order to get the very best from this technology in its vehicles.



Biodiesel : the fuel oil with many benefits

- ▼ Renewable energy: bio-diesel is the solution for the future, which will deal with the problem of the short supply of petrol.
- ▼ Utilisation of bio-diesel does not require any changes to be made to the drivetrain, except for the installation of an oil filter on some vehicles, depending on their model and age.
- ▼ Bio-diesel helps reduce global warming caused by greenhouse gas emissions: unlike fossil fuels, it doesn't increase the level of CO2 present in the atmosphere. That is because during its growth, the plant from which it stems absorbs, through photosynthesis, an amount of carbon dioxide equivalent to that given out during combustion.
- ▼ Bio-diesel is often already mixed into the diesel oil sold at pumps in Europe, but in percentages that are relatively low and variable depending on the country. In France, for example, its presence is in the region of 1.5%. It is also possible to make your own mix.
- ▼ It is non toxic and biodegradable and meets EN 14214 standards.

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