

Some simple tips

When first using bioethanol-blended petrol in your car follow these three simple, low cost tips to get the best out of your car. To make it as easy as possible, this can be done when you next take your car in for a service.

1. Check for water

Older vehicles should be checked for excessive water at the bottom of the fuel tank. A qualified mechanic or other authorised person can easily check this for you.

2. The first fill should be a big fill

Make sure your first fill with bioethanol-blended petrol is a big fill to absorb any existing water in your tank.

3. Change your fuel filter

If your fuel filter hasn't been changed recently, it should be changed after the first few fills of bioethanol-blended petrol. Bioethanol-blended petrol cleans your fuel tank, so changing the filter will help remove any debris, allowing your car to run as smoothly as possible.

Bioethanol-blended petrol

A new choice for **New Zealand drivers**

Want to know more?

Visit the ENERGYWISE™ website at www.energywise.govt.nz for information about this new fuel, and to find out where you can buy it.



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Biofuels and climate change

Biofuels emit less greenhouse gases. So your choice of fuel can help the environment, without compromising how your car performs.

There are many things New Zealand drivers can do to help the environment and one of these is starting using sustainable biofuels. Using biofuels will help reduce climate change impacts and this includes reducing emissions in New Zealand's transport sector.

What biofuels are and how they help

Biofuels are fuels that can be produced from renewable sources, such as plants, unlike fossil fuels that can only be used once.

What is bioethanol-blended petrol?

Bioethanol-blended petrol is similar to ordinary petrol but contains a biofuel, bioethanol which is made from wastes and plants that contain sugars and starches.

In New Zealand bioethanol-blended petrol is available in blends of up to 10%.

A 10% blend means 10% bioethanol in ordinary petrol. Likewise, a 3% blend would mean 3% bioethanol in ordinary petrol. Bioethanol blends are often referred to as E3, E5, or E10. These names relate to the percentage of bioethanol in the petrol mix.

Less CO₂ emissions and cleaner burning

Using bioethanol-blended petrol will help reduce overall emissions of carbon dioxide (CO₂) which is the main greenhouse gas contributing to global climate change. Bioethanol-blended petrol burns cleaner than ordinary petrol so it can help reduce pollution and improve air quality.

Biofuels have been used worldwide for years

Worldwide, more than 200 million vehicles are filling up on bioethanol-blended petrol. Biofuels have been proven to be safe and reliable around the world, and now it is a great time to introduce them to New Zealand.

Biofuels and the environment

Biofuels available in New Zealand are sustainable

New Zealand is known for being clean and green, so now it is a great time to add biofuels to the list of things we are doing to help our environment.

Biofuels available in New Zealand are from sustainably produced sources. They:

- reduce overall carbon dioxide emissions in New Zealand
- do not compete with food production
- do not come from environmentally important areas such as rainforests.

For more information on the sustainability of biofuels sold in New Zealand please visit the ENERGYWISE™ website at www.energywise.govt.nz

Using bioethanol-blended petrol

Using bioethanol-blended petrol in my car

The Automobile Association (AA) website has a list of vehicles that support the use of bioethanol-blended petrol. To find out if your vehicle supports the use of a bioethanol blend visit www.aa.co.nz

You can also contact the official representative of the vehicle manufacturer in New Zealand.

- You can be confident about the quality of any bioethanol-blended petrol for sale in New Zealand as it must meet fuel specifications regulated by the government.
- You can switch between using bioethanol-blended petrol and ordinary petrol in your vehicle at any time.

What else can use bioethanol-blended petrol?

Bioethanol-blended petrol can be used in almost any petrol engine, from lawn mowers to generators, but be sure you don't leave it in the tank for periods longer than two months as it may absorb moisture from the air. Looking after fuel this way is the same as what you should do with ordinary petrol.

If you have any doubts check the handbook or equipment supplier.

When NOT to use bioethanol-blended petrol

Bioethanol-blended petrol must not be used in any aviation application such as microlights (due to very cold temperatures at altitude) and should not be used in marine applications such as boats (due to the higher risk of contamination with water).