

### What else can use biodiesel blends?

Biodiesel blends can be used in almost any diesel engine, including earth moving equipment, tractors, generators and boats.

### Storing biodiesel blends

Biodiesel blends should be cared for in the same way as ordinary diesel. They should be stored in closed containers, in cool and dark spaces. They should be stored for no longer than three months, otherwise they may absorb moisture from the air.

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

### Some simple tips

When first using biodiesel blends, follow these simple tips. To make it as easy as possible, these can be done when it is next serviced.

#### 1. Change your fuel filter

Because biodiesel blends have stronger cleaning properties than diesel, they can loosen dirt and carry it through to the fuel filter. If your fuel filter hasn't been changed recently, it should be changed after the first few fills of biodiesel blends.

#### 2. Check your fuel system

If your fuel system is old or in poor condition, it may be worth flushing it out before using biodiesel blends. A mechanic can easily do this for you.

# Biodiesel blends

A new choice for **New Zealand drivers**

### Want to know more?

Visit the ENERGYWISE™ website at [www.energywise.govt.nz](http://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 than fossil fuels. So your choice of fuel can help the environment, without compromising how your vehicle performs.

One of the easiest things New Zealand drivers can do to help the environment is to start using sustainable biofuels. Your use of biofuels will help reduce the greenhouse gases from your vehicle.

## What biofuels are and how they help

Biofuels are fuels produced from renewable material, such as plants. Biofuels are therefore from renewable sources, unlike fossil fuels.

### What are biodiesel blends?

Biodiesel is one kind of biofuel. Biodiesel is similar to ordinary diesel, but is made from vegetable oils or animal fats. When biodiesel is mixed with ordinary diesel, this makes a biodiesel blend.

Biodiesel blends are often referred to as B5 or B20. These names relate to the percentage of biodiesel in the blend. B5 means 5% of the blend is biodiesel, and the rest is ordinary diesel.

Biodiesel is available for retail sale in New Zealand in blends of up to 5%. Some commercial customers buying fuel in bulk may use higher blends of biodiesel. These higher percentage blends are not currently permitted for retail sale.

## The choice for the environment

Biodiesel blends help reduce New Zealand's overall emissions of carbon dioxide (CO<sub>2</sub>) and other harmful emissions. CO<sub>2</sub> is the main gas contributing to global climate change.

Biodiesel blends are also cleaner burning fuels, and help improve air quality.

Your use of biodiesel blends increases New Zealand's use of renewable energy, and reduces our reliance on fossil fuels. Biodiesel is also more biodegradable than ordinary diesel.

### Biofuels are commonly used

Over 100 million vehicles around the world are regularly filling up on biodiesel blends. Biofuels have been proven to be safe and reliable around the world.

## Biofuels and the environment

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](http://www.energywise.govt.nz)

## Using biodiesel blends

### Using B5 in my vehicle

Virtually all diesel engined vehicles can use biodiesel blends of up to 5% without any engine or fuel system modifications.

Any reference in the owner's handbook may be in relation to 100% biodiesel, rather than a B5 blend, as some countries retail 100% biodiesel. This can be confirmed with the manufacturer. Contact details for the representatives can be found in the owner's handbook or online at the vehicle manufacturer's New Zealand website.

You can be confident about the quality of biodiesel blends for sale in New Zealand because they must meet fuel specifications regulated by the government. B5 must meet the same requirements as ordinary diesel, such as those relating to performance in cold temperatures.

Biodiesel blends have good combustion and lubrication properties, making them good for your engine.

You can switch between using biodiesel blends and ordinary diesel in your vehicle at any time.