

WHAT YOU NEED TO KNOW



ADVANCE TO DRIVING WITH BIODIESEL

Fueling with Biodiesel: What you need to know

Before driving on Biodiesel, you need to prepare. We're here to help you trip with clear and accurate information.

As one of the premier providers of biodiesel in Limpopo, Bargain Oil and Biodiesel has learned a lot about what it takes to switch to drive with Biodiesel. By sharing our knowledge, we hope to offer you assistance when looking to setup your vehicle, find support, Compare quality standards, Decipher warranty information and communication with mechanics. If this is your first time using Biodiesel, use the roadmap we've prepared for you to ensure your Biodiesel adaption is informed and hitch-free.

STEP 1: PREPARE YOUR VEHICLE

No engine modifications are necessary to run Biodiesel in all current diesel- powered vehicles, but a few preparations are necessary with older cars. If you drive a pre-1990 vehicle with a diesel engine, we suggest you update your hoses and gaskets from the original rubber to Viton. Biodiesel is a natural cleaning agent and will slowly degrade any natural or nylon hose or gasket. Many less-information mechanics, car dealers and fuel stations owners don't know much about Biodiesel, Yet as an early-adapter, it is important to connect with knowledgeable service and support. Just locate your local diesel mechanics and only choose those familiar with the benefits and nuances of Biodiesel.

STEP 2: CHOOSE A BLEND

You can fuel your vehicle with 100 % Biodiesel or mix it with regular diesel – fill your tank with diesel first and then top it up with Biodiesel. Biodiesel can be used in any diesel engine. You can choose the blend you want. Any blend of Biodiesel has the following effects on your engine:

- Cleans your fuel system
- Improved fuel lubricity which reduces engine wear. The lubricating property of the biodiesel may lengthen the lifetime of engines
- Reduces panaculate emissions
- Reduces greenhouse gas emissions

Biodiesel also combusts more fully in your engine, providing you with a smoother ride! Common blends are 20% Biodiesel or 50% Biodiesel. These blends are also available from us. To make a smooth transition from Biodiesel, we suggest gradually increasing your Biodiesel ratios over time. Because Biodiesel acts as a natural cleaning agent, it will break down the sludge and sediment in your fuel tank left behind by petro-diesel. The higher the miles on your car, the more likely you will have heavy sludge build-up. By gradually increasing Biodiesel ratios, the sludge will slowly be cleared away.

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We suggest this recipe for the smoothest transition:

- Two sequential tanks of 20% blended**
- Two sequential tanks of 50% blended**
- One tank of pure Biodiesel**
- Replacing your fuel filter**

A more immediate switch to pure Biodiesel could cause a plugged fuel filter. You're not chained to Biodiesel once you make the switch. You can switch back and forth between Biodiesel and Petro-Diesel all you want, depending on this availability.

STEP 3: MIND THE SEASONS

When nearing freezing temperatures, Biodiesel will begin to cloud and crystallize----so you'll need to adjust your fuel ratios during winter months.

A Bit more susceptible to cold temperatures than regular diesel, Biodiesel begins to crystallize around 0 to 1.6 degrees Celsius. The crystals could potentially plug your vehicle's fuel filter and momentarily stop the flow of fuel.

To compensate for these cold weather changes, just switch your blend!! We recommend a 50/50 blend between Biodiesel and Petro-diesel when temperatures drop below 6 degrees Celsius.

STEP 4: MAINTAIN YOUR RIDE

Experienced Biodiesel drivers follow these best practices, we recommend you do too:

- Switch your fuel filter at every oil change (or about every 10 000 kilometers)**