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Biodiesel Fuel

By Daniel Roshard

Biodiesel fuel is becoming more and more popular, which is no wonder, the soaring gas prices and the growing environmental awareness brings society to a point where it needs to consider its energy consumption carefully. With the rising price of gasoline and the prospect of even higher prices, it's becoming evident that most people need to start looking for an alternative fuel source.

Most of the people around never heard of biodiesel fuel. It's a fuel that is made from vegetable oil. The vegetable oil is run through a bio diesel processor and within hours you have a batch of bio diesel fuel that you can use in your vehicle.

Bio diesel is the new energy star, the name is a general one for a variety of ester-based oxygenated fuels made from soybean oil or other vegetable oils or animal fats. It is produced by mixing oils with alcohol or petroleum diesel fuel. The organic oil is most often obtained from soybeans. Some people even try to make Bio diesel at home, but this is not something I would recommend to everyone, you should really need to know what you are doing when you try and make your own fuel.

The beautiful thing about Bio diesel is that you can run it on most cars, without any pricy motor or engine modifications, its something that saves money all around, so the advantages are clear, however you will need to learn this subject seriously before you start using or making bio diesel. If you are considering trying this process you'll want to do a bit of research in order to be completely informed. The Internet of course has many sites devoted to biodiesel and its advantages.

You can also find companies that will sell and ship you a kit that you can begin using immediately to make the fuel. The bio diesel kit is often referred to as SVO, and is perfect for most drivers to use, these kits provide you with the tools to build a device that will do the work for you, and prepare the bio diesel before it gets to the engine. The Bio Diesel kits usually include a heating device, thermostat and special rubber hoses that are not effected by the oils involved in the process. Water heater processors help recovering excess methanol that is created during the chemical reaction that creates biodiesel. This cuts the cost per gallon for diesel even further.

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The price of the bio diesel fuel kit varies significantly so you will want to research the pros and cons of the kit before buying and installing it, you should also make sure that your car is adaptable for use of this new fuel system and that your car maker allows the use of it, no one wants to discover that he is not covered for damages because he installed a bio diesel fuel kit, so make absolutely sure that your car guarantee covers this option and that your car maker allows the use biodiesel.

Daniel Roshard is an interior designer and environmental activist, studying the integration of traditional house appliances to gardens and outdoors. Daniel writes

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The Advantages Of Using Biodiesel Fuel

By Win Paulson

You might have heard a lot about biodiesel. Biodiesel is diesel that can power up your car that is made from vegetable oils and other natural sources. It does not come from the regular crude oil that usually has to be imported from oil-producing countries.

Biodiesel can be considered a new technology, taking into account all the years consumers have had to settle for traditional diesel. Using biodiesel for your car has many advantages:

1. Biodiesel is not harmful to the environment. Unlike its counterpart, a car using biodiesel produces fewer emissions. If a vehicle uses traditional diesel, the vehicle emits black, stinky smoke. With biodiesel, the smoke becomes very clean indeed.
2. Biodiesel may not require an engine modification. Some cars can take advantage of biodiesel without the need to undergo engine alterations. Some mix 20% biodiesel with regular diesel. Doing so enables the car to benefit from the good points of biodiesel without the hassle.
3. Biodiesel is cheap. You can even make biodiesel in your backyard. If your engine can work with biodiesel fuel alone, then you really need not go to the gas station to buy fuel. You can just manufacture some for your own personal use.
4. Biodiesel can make the vehicle perform better. It is noted that biodiesel has a cetane number of over 100. Cetane number is used to measure the quality of the fuel's ignition. If your fuel has a high cetane number, you can be sure that what you get is a very easy cold starting coupled with a low idle noise.
5. Biodiesel can make your car last longer. Because of the clarity and the purity of biodiesel, you can be sure it will not have too many impurities to harm your car. It is actually more lubrication. A car's power output is unaffected by this type of diesel.

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6. Biodiesel reduces the environmental effect of a waste product. Because biodiesel is made out of waste products itself, it does not contribute to nature's garbage at all. Biodiesel can be made out of used cooking oils and lards. So instead of throwing these substances away, the ability to turn them into biodiesel becomes more than welcome.

7. Biodiesel is energy efficient. If the production of biodiesel is compared with the production of the regular type, producing the latter consumes more energy. Biodiesel does not need to be drilled, transported, or refined like petroleum diesel. Producing biodiesel is easier and is less time consuming.

8. Biodiesel is produced locally. A locally produced fuel will be more cost efficient. There is no need to pay tariffs or similar taxes to the countries from which oil and petroleum diesel are sourced. Every country has the ability to produce biodiesel.

Biodiesel is surely a viable fuel alternative. Moreover, it is also a sustainable fuel. Using biodiesel not only helps maintain our environment, it also helps in keeping the people around us healthy.

The production of biodiesel all over the world is now being looked upon favorably. In Europe, many biodiesel stations have been set up already. There is also a move to convert or make cars compatible with biodiesel fuel in the near future.

Biodiesel can surely change the way vehicles are manufactured and used. It is surely the best substitute right now, and everyone should consider ways to take advantage of the benefits of biodiesel.

Win Paulson is a contributing editor at

<http://www.info-biodiesel.com>

where you will find information

and resources on biodiesel. Head to

<http://www.FlexFuel-Info.com>

for information on other biofuels and

alternative energy.



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