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**The Biodiesel Car**

**By Daniel Roshard**

In today's society, Researchers in the United States and around the world are searching for ways to develop alternate forms of fuel. With the ever-rising fuel costs, developing alternate energy is a priority.

Bio diesel was developed to combat the high gas and oil prices. It is especially made for use in bio diesel cars and trucks.

Bio-diesel is made from all natural foods that produce oil. Oils such as vegetable, canola, peanut, rapeseed, palm and olive oil can be used as bio diesel fuel.

Virtually all oils that you use in your kitchen everyday can fuel one of these cars. It does not matter if the oil has been used, it can be strained and filtered and then used in the fuel tank.

Biodiesel fuel is a better for the environment because it burns cleaner and does not pollute the atmosphere. It is non-toxic and biodegradable, making it the perfect fuel.

Biodiesel fuel has been road tested and will get up to twenty-five miles to the gallon. That is better than some conventional mileage ratings.

Many car manufacturers are realizing that the bio diesel automobile is becoming more popular, and are jumping on the bandwagon and developing their own version of a biodiesel vehicle. They realize that the need for these vehicles will increase, and predict that they will be ready for the onslaught.

If you are interested in purchasing a bio diesel and do not know where to start looking, call local dealerships and ask if they offer this type of vehicle. Chances are that they either have bio diesel cars or can place a special order for you. You can also do a Google search to find a dealer that is close by.

The least expensive biodiesel car's price starts at approximately \$20,000 dollars. Depending on the style of car, it can range up to \$60,000 dollars. The only reported differences in driving a biodiesel car is that in some cases, the mileage per gallon is greater than a conventional car.

## The Biodiesel Car

If you want the convenience of a bio diesel car, and do not have the funds to buy one, there is always the option to buy a conversion kit. These kits allow you to convert your current vehicle into a bio diesel vehicle.

The kits are relatively inexpensive compared to a new bio diesel car. They start at \$600.00. Although it is recommended that you have a professional mechanic do all the necessary work, full instructions and a help line are included for the do-it-yourselfer.

A car with a diesel engine does not need to be converted into bio-diesel. However it is recommended that the hoses be replaced on any diesel car that was made before 1990. When the diesel engine was created in 1892, it was designed to run on peanut oil before diesel fuel, making it the changes unnecessary.

It is however recommended that the engines of vehicles to be converted do not have rubber seals in them, as over time the oil will deteriorate the seals.

A biodiesel car is very easy to maintain. The only major problem that has been reported is that when the weather turns cold, the oil turns cloudy and in temperatures below 35 degrees, the oil can crystallize. The potential problem with this is that the crystals can plug the engine and not allow the fuel to flow properly.

Special heating units are sold to keep the oil at a constant temperature.

The general public is being encouraged to purchase bio diesel vehicles. As an incentive, the government is offering special tax write offs for those who purchase bio diesel automobiles.

In Hollywood, celebrities and activists who are earth conscience have made the commitment to drive biodiesel vehicles. At the moment, California has more biodiesel cars on the road than all other states combined.

Daimler Chrysler will introduce its version of the biodiesel vehicle in the 2007. The Jeep Grand Cherokee CDR will be the first biodiesel SUV to hit the market.

It will run on soybean and vegetable oil, as well as grease from fast food restaurants. It is a little humorous to think that you will be able to order dinner and fill your fuel tank in the same place, but that may possible in the not too distant future.

With the growth of the biodiesel automobile, biodiesel fuel manufacturers are needed. Currently in the United States, there are sixty-five biodiesel producing plants and about eight hundred and fifty biodiesel service stations. Experts predict that a lot more will be opening over the next few years.

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

<http://biodiesel.zupatips.com/>

## **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.
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 Biodiesel Car

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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