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Biodiesel And It's Many Uses

By Mike Boyd

With gas prices increasing and growing environmental awareness, the need to consider alternate energy and fuel sources are becoming a necessity. One alternative is the use of Biodiesel fuel, which is becoming more and more popular today.

Because Biodiesel is a cleaner-burning diesel fuel, made from 100% natural, 100% renewable vegetable sources, its uses in today's society may surprise you. Below are nine ways Biodiesel is being used. Some of which you may never have realized.

- 1) Biodiesel Car Rental – Yes that's right. A Maui and Los Angeles car rental rents cars that run on Biodiesel. These cars get between 400 and 800 miles per tank! Not bad when consider the price of gas these days.
- 2) Home heating fuel – More people are taking a look at Biodiesel as an alternative for heating their home. Most oil-fired or boiler furnaces can use Biodiesel (B20), which is a fuel made of 80 percent traditional heating oil and 20 percent Biodiesel. Some people are getting their furnaces adapted to be able to burn B100, a fuel made entirely of vegetable oils, which burns much cleaner than traditional heating oil.
- 3) Electricity Generation – Diesel generators that produce electricity are now running on Biodiesel fuel. A superior alternative to the typical coal burning electricity generating plants currently being used in the United States. Running on Biodiesel is an inexpensive, clean and renewable way of creating electricity.
- 4) Trucking Industry – More and more truckers are switching from diesel fuel to Biodiesel fuel. The benefits are numerous not to mention the advantage of helping the environment and reducing our dependency on foreign oil, while saving money.
- 5) Agriculture – Not only a producer of Biodiesel, but also a consumer. Tractors, reapers, tillers, pickers, conveyors, generators, pumps, and irrigation systems which normally uses diesel fuel, now use Biodiesel to fuel their work, bringing agriculture full circle from producer to consumer.

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6) Marine Vehicles – Commercial fleets such as ferries, recreational yachts, sailboats, and motor boats are all candidates for Biodiesel. For example Pacific Whale Foundation, located in Hawaii, use Biodiesel in their boats.

7) Tax Incentive – The IRS is offering tax incentives to anyone that produce and use Biodiesel fuel. The US Government is working to reduce greenhouse gas emissions by giving producers of Biodiesel fuel government funds. The tax incentive works to help tax paying customers by lowering the cost of the fuel bill.

8) Lubrication Additive – Because Biodiesel is a better lubricant than current low-sulfur petroleum, fuel injectors and other types of fuel pumps can rely on Biodiesel fuel for lubrication. With the right additives, engine performance can also be enhanced, making engines last longer. Other numerous applications can also make use of it's lubricate properties, such as concrete forms and asphalt trucks.

Its solvent properties also make it a safe parts cleaner, reducing skin and eye irritation associated with other cleaners.

9) Cleaner Environment – Biodiesel reduces carbon dioxide exhaust emissions by up to 80%. Because of this, Biodiesel has the potential to reduce air toxics and cancer causing compounds. Something we all can live with! If spilled, it will quickly degrade into natural organic residues, without polluting the environment.

Mike Boyd – For the latest information on biodiesel fuel, vehicles, processors and making biodiesel visit us at

<http://www.biodiesel.2clixs.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

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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 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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