



## **Biodiesel Fuel**

### **Biodiesel Basics**

- Biodiesel fuel is a natural fuel made from renewable sources such as new & used vegetable oils and animal fats.
- Biodiesel fuel is a cleaner-burning replacement to petroleum or other fossil diesel fuels.
- There are no petroleum or other fossil fuels in biodiesel, even though "diesel" is used in its name.
- Biodiesel fuel can be used in compression-ignition (diesel) engines, such as generators, commercial diesel equipment, vehicles and watercrafts.
- Biodiesel can be operated in any diesel engine with little or no modification to the engine or the fuel system.
- You can pour biodiesel straight into the fuel tank of any diesel engine.
- Auto ignition, fuel consumption, power output, and engine torque are relatively unaffected by biodiesel.
- Biodiesel is registered as a fuel and fuel additive with the Environmental Protection Agency (EPA) and meets clean diesel standards established by the California Air Resources Board (CARB).

### **Biodiesel Advantages**

- Biodegradable, nontoxic, free of sulfur and other aromatics.
- Reduces tailpipe emissions, visible smoke and noxious odors.
- Reduces major greenhouse gas components in the atmosphere, including the emissions of carbon monoxide, ozone forming hydrocarbons, hazardous diesel particulates, acid rain-causing sulfur dioxide and carbon dioxide.
- Can be made in the USA from renewable resources such as soybeans.
- Continued use would decrease dependence on foreign oil and contribute to the economy.
- Non-flammable, making handling and storage safer than conventional petroleum diesel fuel.
- Can be used in existing engines and fuel injection equipment without negative impacts to performance.
- More lubricating than diesel fuel, so it increases the life of engines.

### **Learn More About Biodiesel:**

[www.afdc.doe.gov](http://www.afdc.doe.gov) Alternative Fuel Data Center has information about alternative fuels and vehicles.

[www.biodiesel.org](http://www.biodiesel.org) The National Biodiesel Board is an association representing the biodiesel industry in the US.

[www.veggievan.org](http://www.veggievan.org) Veggie Van, an educational service promoting biodiesel fuel and other renewable technologies.

**Check Out Biodiesel Companies:**

[www.pacfuel.com](http://www.pacfuel.com) Pacific Biofuel promoting sustainable fuel sources for the vehicles.

[www.ybiofuels.org](http://www.ybiofuels.org) Yokayo Biofuels, increasing the awareness of alternative fuels and their production.

[www.biodiesel.com](http://www.biodiesel.com) Pacific Biodiesel is a pioneer in the successful commercial production of biodiesel.

**Locate a Biodiesel Station in Your Area:**

[www.afdc.doe.gov/refueling.html](http://www.afdc.doe.gov/refueling.html) Alternative Fuel Station Locator contains information on refueling stations for several alternative fuels, nationally.

[www.biodiesel.org/buyingbiodiesel/retailfuelingsites/default.shtm](http://www.biodiesel.org/buyingbiodiesel/retailfuelingsites/default.shtm) National Map of Retail Fueling Sites operated by The National Biodiesel Board.

**Learn How to Make Biodiesel Fuel:**

Book – “From the Fryer to the Fuel Tank” by Joshua Tickell

Video – The Veggie Fuel Video [www.veggievan.org/video/index.html](http://www.veggievan.org/video/index.html)

**Interested in Switching Your Company Fleet to Biodiesel? Contact:**

[www.ecologycenter.org](http://www.ecologycenter.org) The Ecology Center Biodiesel Cooperative uses reliable information to empower, activate and educate the citizens of the planet about alternatives to harmful practices.

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[www.sustainablelife.org](http://www.sustainablelife.org)