



Cowichan Bio-Diesel Co-operative
#2 - 55 Station Street, Duncan, BC. V8L 1M2
www.cowichanbiodiesel.org
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Guidelines on Biodiesel Use and Membership in the Cowichan Bio-Diesel Co-op



The vast majority of diesel engines are able to use biodiesel without any significant modifications to the vehicle required. A significant vehicle conversion is only needed IF you want it to run on "Straight Vegetable Oil" or SVO; this is not the same as biodiesel (a chemically altered SVO that can be mixed in any ratio with "regular" fossil diesel). However, there are a few key things you need to know about biodiesel and your specific vehicle type before you start using Co-op biodiesel. Therefore, as part of your personal responsibility as a Co-op member you must read, understand and apply the following guidelines on biodiesel use:

Canadian biodiesel quality standards have only recently been developed for Canada under the auspices of the Canadian General Standards Board. As these standards are still relatively new to the industry, it has been generally accepted practice to ensure that ASTM D6751 fuel standards (This is a US standard for biodiesel.) are met. **All of the fuel we sell at our Green & Go pumps Meets the ASTM standard.** However, on occasion, the Co-op does produce biodiesel for special orders for members only. This fuel may not have undergone lab testing to determine whether it meets ASTM D6751 fuel standards. By applying our own internal quality control methods we have gained ten years of experience successfully using our biodiesel to fuel a great variety of both on- and off-road diesel vehicles. We are confident enough in our biodiesel to use it ourselves to fuel our personal vehicles and to provide it to you to use as a diesel fuel additive or substitute for your own personal vehicle IF you first agree to read all documentation and take full responsibility BEFORE you use it. Please ask us about the possibility of using our special order fuel. Finally, all biodiesel users need to check their own vehicles and warranty before use to confirm that:

1) Your vehicle, its warranty, its hoses, gaskets, etc. are biodiesel compatible (they are NOT made of rubber or other materials that break down when exposed to biodiesel). Older fuel lines with any real rubber in them will slowly break down over time but this commonly does not apply to most vehicles newer than the mid-nineties. If in doubt, email or call us with the year, make and model of your vehicle and we will do our best to inform you about its compatibility.

2) If you have a new car check your warranty – some may be void if you use higher ratios of biodiesel. Most new vehicles in North America won't honour the warranty if you use biodiesel over a percentage as low as 5% (B5). This is likely because biodiesel is still a relatively young and developing industry in North America and its properties can vary considerably based on the type of oil (vegetable or animal) and the process used to make it.

3) If you have not used biodiesel in your vehicle before, you must "wean" your engine onto successively higher biodiesel blends. That means using 20% biodiesel (B20) or less for the first two or more fill ups then moving to successively higher ratios and finally B100 if you wish and you determine your vehicle is compatible. This is because biodiesel acts to clean out internal deposits/build-up from regular fossil diesel use. If you use too much too fast, it may cause fuel filters to clog more quickly as it flushes out the fossil diesel deposits. Once your engine has been weaned you can use higher biodiesel ratios (up to 100% depending on the vehicle) and you should notice your engine will sound better, run better, and smell better with no ugly black particulate exhaust.

4) Check fuel filters more regularly than with regular diesel fuel use and replace as needed. As well as releasing deposits from regular diesel use, biodiesel may contain minute quantities of glycerin that can accumulate in your fuel filter over time. If these deposits build up too much they can clog your fuel filter and starve your engine of fuel. If this occurs while the engine is running it will feel like your vehicle is stuttering, or intermittently hesitating as you drive until finally the supply of fuel to the engine is cut off. Also, if you leave your vehicle out while the temperature drops any glycerin accumulations in your fuel filter can thicken and clog your fuel filter until temperatures increase or the filter is changed. If this happens, do not be alarmed. These issues can all easily



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- Biodieselsignificantly reduces harmful pollutants such as sulphur, toxins and particulates.

Every litre you purchase, every membership you buy, and every contribution you make brings us closer to the goal of building our community plant, and all the environmental, economic and social benefits this will bring to a o ve la .



How to Purchase Bio-Diesel

If you ~~KV~~MEMJEU~~PC~~FD~~PN~~F~~C~~oop member ~~U~~PI~~B~~W~~F~~G~~V~~M~~M~~B~~D~~D~~F~~T~~T~~U~~P~~B~~M~~M~~P~~G~~P~~V~~S~~C~~J~~P~~E~~J~~F~~T~~F~~M~~B~~O~~E~~N~~F~~N~~C~~F~~S~~E~~J~~T~~M~~F~~B~~T~~F~~T~~J~~H~~O~~V~~P~~Q~~O~~M~~J~~O~~F~~B~~U~~X~~P~~X~~D~~I~~B~~O~~C~~J~~P~~E~~J~~F~~T~~F~~M~~P~~S~~H~~F~~H~~J~~O~~J~~O~~H~~J~~O~~U~~I~~F~~T~~V~~N~~N~~F~~S~~P~~G~~P~~V~~S~~T~~P~~V~~U~~I%~~V~~O~~D~~B~~O~~M~~P~~D~~B~~U~~J~~P~~O~~J~~T~~B~~M~~T~~P~~T~~F~~U~~V~~Q~~P~~S~~O~~P~~O~~N~~F~~N~~C~~F~~S~~V~~T~~F~~E~~V~~S~~J~~O~~H~~C~~V~~T~~J~~O~~F~~T~~T~~I~~P~~V~~S~~T~~

South Duncan Green & Go Biodiesel Pump

Cowichan Petroleum Sales
2999 Allenby Road, Duncan BC

Open 24 hours a day for Members

7:30 am-5:00 pm Weekdays for Non-Members

North Cowichan Green & Go Community Biodiesel Pump

CVRD Solid Waste Management Facility
3900 Drinkwater Road, Duncan BC

Open 8:00 am - 5:00 pm 7 days a Week for Members Only

Closed on all Statutory Holidays

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If you have any questions regarding biodiesel use or issues you are unsure of please contact us for assistance.

Thanks for your support!