

The Sundance Biodiesel Advantage

Reduce your Carbon Footprint

Plants take up carbon dioxide to store the energy from sunlight in oil, so using this *liquid solar energy* means no extra carbon is released. At Sundance, we use recycled oils collected from local restaurants and chip shops, which reduces the carbon footprint further, avoids conflict with food production and doesn't promote deforestation. Because it is locally produced, it also has low fuel miles!

You'll have a practically carbon neutral car!

Reduce your Emissions

Using biodiesel results in much lower emissions. Particulates are reduced by up to 85%, and carbon monoxide emissions and ozone forming potential are down by about 50%. There is NO SULPHUR, so no sulphur dioxide emissions, often blamed for the aggravation of lung conditions such as asthma.

Cleaner air for us all

A Consistently High Quality Product

We pride ourselves on the quality of the fuel we produce. We are compliant with European Biodiesel Specification EN 14214.

We'll make sure to supply you with Good Fuel

Non-Toxic, Safe and Biodegradable

Biodiesel is far less dangerous to store and transport than mineral diesel. It is non toxic (10x less than salt), with no harmful odours, and has a much higher flash point (200C vs 70C). It is easily biodegradable, and like sugar, 98% of any spill will biodegrade within 3 weeks

No harmful effects on wildlife, either

Sounds better, Smells better

Biodiesel has a higher cetane ignition rating than mineral oil, which means there will be less engine noise pollution. Like mineral diesel, it retains some of its aromas through the production process, but instead of an oily stink you might notice an occasional glorious whiff of frying chips!

Watch out... you might start feeling hungry...

Peace of Mind

You can reduce your reliance on imported diesel and the petrochemical industry, and use a fuel with *No Wars Required!* Your fuel will be made by an ethically motivated not for profit workers' co-operative for the development of renewable energy, and you will be supporting the UK's first community based Biodiesel plant - as well as the local economy

How's that for a feel good fuel?

Running your vehicle on Biodiesel

No Modifications:

In 1895, Dr Rudolf Diesel invented an engine to run on peanut oil, later adapted for petrochemicals. Today's diesel vehicles can usually run on biodiesel without modification, either at 100% or blended with mineral diesel.

Good Performance and Economy:

After the switch, our customers don't notice any negative changes in mileage or performance - in fact, some have measured mileage increases of more than 10%!

Good for your engine:

Lubricity levels are improved at even low biodiesel concentrations. This reduces engine wear, and increases engine life. Biodiesel also offers a higher cetane ignition rating, giving smoother combustion.

A few things you should know about:

Winter starting. Biodiesel gels at a higher temperature than mineral diesel so during the winter when the temperature is likely to get below about -4C it is advisable to add a proportion (say 10 or 20 percent) of mineral diesel, to avoid grumpy starting and other problems

Fuel filters. Biodiesel is a great solvent, - this means when you first switch over it will dissolve any gunk in your fuel tank and probably deposit it in your fuel filter. This is the cause of most reported problems. The solution: change fuel filter within 1000 miles of switching to biodiesel (and/or keep a spare filter and change it when problems such as sluggish performance manifest themselves). The solvent properties of biodiesel mean it can also attack rubber hoses and seals in older vehicles - flexible fuel lines and return lines can slowly swell and lose their grip. Luckily replacement of these hoses is an easy job, and this is not a problem with post-about-1994 vehicles as they have biodiesel-compatible materials.

High pressure systems. The older engine system with distribution pumps have been extensively tested with good results on biodiesel, but more recently introduced common rail and unit injector systems are characterised by electronic control with small solenoid valves and sensors, and by much higher pressures. There is much more variety in their performance characteristics, and not all manufactureres test their systems with biodiesel. We advocate caution and suggest using a blend: B20 (20% biodiesel) is a good starting point. Some of these engines have been run on 100% biodiesel with good results, but if in doubt about your car, please consult the manufacturer's warranty.



A Worker Co-operative and Social Enterprise

We provide a consultancy and installation service for a range of renewable energy technologies – solar, wind, biomass, hydro.

BioDiesel is available for sale at our premises and through the Friends of Sundance membership scheme.

Sundance are registered waste oil carriers with Green Dragon Level 2 environmental certification and will collect your old cooking oil **FREE** of charge.
Waste Carrier Reg. No. SWW/551436/CB

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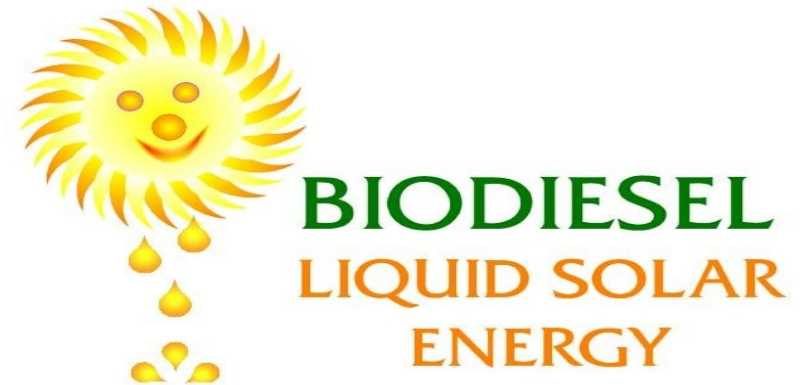
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***Supporting the Development
of Renewable Energy
for a Sustainable Wales***



***Made from recycled vegetable oil by
your local producer in
Capel Hendre, Ammanford***

***BioDiesel doesn't cost
the Earth!***

Reduce your carbon footprint



Kick the Fossil Fuel Habit!